

# Report On

Specific Absorption Rate Testing of the Apple Inc, A2289.

Covering FCC 47CFR 2.1093, RSS 102 Issue 5 and related documents.

FCC ID: BCGAA2289

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## **COMMERCIAL-IN-CONFIDENCE**

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## COMMERCIAL-IN-CONFIDENCE

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Apple Inc, A2289

Document 75947591 Report 18 Issue 1

March 2020

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## **SECTION 1**

## **REPORT SUMMARY**

Specific Absorption Rate Testing of the A2289



#### 1.1 REPORT MODIFICATION HISTORY

Alterations and additions to this report will be issued to the holders of each copy in the form of a complete document.

Issue	sue Description of Change	
01	First Issue	10 March 2020

#### 1.2 INTRODUCTION

The information contained in this report is intended to show verification of the Specific Absorption Rate Testing of the A2289 to the requirements of KDB 447498 D01 v06 General RF Exposure Guidance.

Objective To perform Specific Absorption Rate Testing to determine

the Equipment Under Test's (EUT's) compliance with the requirements specified of KDB 447498 D01 v06 General RF Exposure Guidance, for the series of tests carried out.

Applicant Apple Inc Manufacturer Apple Inc

Manufacturing Description Laptop Computer

Model Number A2289

C02G005P0CR (WLAN Radiated Sample)

Serial Numbers C02G004P09R (Bluetooth Radiated Sample)
C02ZG008P0CR (WLAN Conducted Sample)

C02ZG008P09R (Bluetooth Conducted Sample)

Number of Samples Tested 4

Hardware Version Rev 1.0 Software Version 19C4

Battery Cell Manufacturer Not Supplied
Battery Model Number Not Supplied

Test Specification/Issue/Date KDB 447498 D01 v06 General RF Exposure Guidance

 Order Number
 0540187743

 Date of Receipt of EUT
 05/12/2019

 Start of Test
 07/12/2019

 Finish of Test
 23/01/2020

Related Documents FCC 47CFR 2.1093

KDB 865664 – D01 v01r04 KDB 865664 – D02 v01r02 KDB 648474 – D04 v01r03 KDB 248227 – D01 v02r02

IEEE 1528-2013

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## 1.3 BRIEF SUMMARY OF RESULTS

The measurements shown in this report were made in accordance with the procedures specified KDB 447498 D01 v06 General RF Exposure Guidance.

The maximum 1g volume averaged stand-alone SAR found during this assessment:

Max 1g SAR (W/kg) Body	0.95 (Measured)	1.06 (Scaled)						
The maximum 1g volume averaged SAR level measured for all the tests performed did not exceed the limits for								
General Population/Uncontrolled Expos	sure (W/kg) Partial Body of 1.6 W/kg.							

The maximum 1g volume averaged stand-alone reported SAR found during this assessment for each supported mode:

RAT	Band Test Configurat		Max Reported SAR (W/kg)	Highest Simultaneous Transmission SAR (W/kg)
Bluetooth	2450 MHz	Body	0.07	
WLAN	2450 MHz	Body	1.06	
WLAN	U-NII-2A	Body	1.01	1.13*
WLAN	U-NII-2C	Body	0.94	
WLAN	U-NII-3	Body	1.00	

The maximum 1g volume averaged SAR level measured for all the tests performed (including simultaneous transmission analysis results) did not exceed the limits for General Population/Uncontrolled Exposure (W/kg) Partial Body of 1.6 W/kg.

<sup>\*</sup> See Section 1.4.3.



## 1.4 TEST RESULTS SUMMARY

## 1.4.1 System Performance / Validation Check Results

Prior to formal testing being performed a System Check was performed in accordance with KDB 865664 and the results were compared against published data in Standard IEEE 1528-2013. The following results were obtained: -

## System performance / Validation results

Date	Frequency (MHz)	Fluid Type	Measured Max 1g SAR (W/kg) *	Max 1g SAR (W/kg) Target	Percentage Drift on Reference
07/12/2019	2450	MBBL-B3	49.88	51.2	0.16
10/12/2019	2450	MBBL-B3	50.28	51.2	0.96
09/01/2020	2450	MBBL-B3	51.28	51.2	2.88
08/12/2019	5300	MBBL-B3	70.30	74.2	-5.95
08/12/2019	5600	MBBL-B3	71.63	76.1	-2.53
10/12/2019	5800	MBBL-B3	77.43	73.8	4.92
10/12/2019	5600	MBBL-B3	73.23	76.1	-3.92
23/01/2019	2450	MBBL-B3	51.69	51.2	0.92

<sup>\*</sup>Normalised to a forward power of 1W



## 1.4.2 esults Summary Tables

Bluetooth - 2450 MHz - BDR - DH5 - Antenna WF1: Specific Absorption Rate (Maximum SAR) 1g Results

Test Position	Channel Number	Frequency (MHz)	Measured Average Power (dBm)	Tune Up (dBm)	Measured 1g SAR (W/kg)	Scaled 1g SAR (W/kg)	Scan Figure Number
0mm Rear Of Display	78	2480	16.30	16.50	0.01	0.01	Figure 5
0mm Bottom	78	2480	16.30	16.50	0.07	0.07	Figure 6

Limit for General Population (Uncontrolled Exposure) 1.6 W/kg (1g)

KDB 447498 D01 - Testing of other required channels within the operation mode of a frequency band is not required when the reported 1g SAR for mid-band or highest output power channel is:

- ≤ 0.8W/kg when the transmission band is ≤ 100MHz
- $\leq 0.6 \mbox{W/kg}$  when the transmission band is between 100MHz and 200MHz
- ≤ 0.4W/kg when the transmission band is ≥ 200MHz

## WLAN - 2450 MHz - 802.11b - 20 MHz - 1 Mbps - SISO Antenna WF1: Specific Absorption Rate (Maximum SAR) 1g Results

Test Position	Channel Number	Frequency (MHz)	Measured Average Power (dBm)	Tune Up (dBm)	Measured 1g SAR (W/kg)	Scaled 1g SAR (W/kg)	Scan Figure Number
0mm Bottom	11	2462	17.30	17.75	0.95	1.06	Figure 7
0mm Rear Of Display	11	2462	17.30	17.75	0.06	0.07	Figure 8
0mm Bottom	1	2412	17.30	17.75	0.50	0.56	Figure 9
0mm Bottom	6	2437	17.30	17.75	0.48	0.56	Figure 10

Limit for General Population (Uncontrolled Exposure) 1.6 W/kg (1g)

KDB 447498 D01 - Testing of other required channels within the operation mode of a frequency band is not required when the reported 1g SAR for mid-band or highest output power channel is:

- ≤ 0.8W/kg when the transmission band is ≤ 100MHz
- $\leq$  0.6W/kg when the transmission band is between 100MHz and 200MHz
- ≤ 0.4W/kg when the transmission band is ≥ 200MHz
- KDB 248227 D01 v02 Testing was not required for OFDM as per Section 5.2.2

## WLAN - 2450 MHz - 802.11b - 20 MHz - 1 Mbps - SISO Antenna WF2: Specific Absorption Rate (Maximum SAR) 1g Results

Test Position	Channel Number	Frequency (MHz)	Measured Average Power (dBm)	Tune Up (dBm)	Measured 1g SAR (W/kg)	Scaled 1g SAR (W/kg)	Scan Figure Number
0mm Bottom	1	2412	17.40	17.75	0.47	0.51	Figure 11
0mm Rear Display	1	2412	17.40	17.75	0.04	0.04	Figure 12

Limit for General Population (Uncontrolled Exposure) 1.6 W/kg (1g)

KDB 447498 D01 - Testing of other required channels within the operation mode of a frequency band is not required when the reported 1g SAR for mid-band or highest output power channel is:

- ≤ 0.8W/kg when the transmission band is ≤ 100MHz
- ≤ 0.6W/kg when the transmission band is between 100MHz and 200MHz
- ≤ 0.4W/kg when the transmission band is ≥ 200MHz
- KDB248227 D01 v02 Testing was not required for OFDM as per Section 5.2.2

WLAN - 2450 MHz - 802.11b - 20 MHz - 1 Mbps - 2x2 MIMO - Antenna WF1 and WF2:



## Specific Absorption Rate (Maximum SAR) 1g Results

Test Position	Ant	Channel Number	Frequency (MHz)	Measured Average Power (dBm)	Tune Up (dBm)	Measured 1g SAR (W/kg)	Scaled 1g SAR (W/kg)	Scan Figure Number
0mm Bottom	WF1	1	2412	17.30	17.75	0.57	0.63	Figure 12
0mm Bottom	WF2	1	2412	17.40	17.75	0.43	0.46	Figure 13

Limit for General Population (Uncontrolled Exposure) 1.6 W/kg (1g)

KDB 447498 D01 - Testing of other required channels within the operation mode of a frequency band is not required when the reported 1g SAR for mid-band or highest output power channel is:

≤ 0.8W/kg when the transmission band is ≤ 100MHz

≤ 0.6W/kg when the transmission band is between 100MHz and 200MHz

≤ 0.4W/kg when the transmission band is ≥ 200MHz

KDB248227 D01 v02 - Testing was not required for OFDM as per Section 5.2.2

KDB248227 D01 v02 - Only one position was tested as per Section 5.1.1

KDB248227 D01 v02 - A duty factor scaling was applied to the scaled SAR as per section 2.2

## WLAN - U-NII-2A - 802.11ac - 80 MHz - SISO Antenna WF2 Specific Absorption Rate(Maximum SAR) 1g Results

Test Position	Channel Number	Frequency (MHz)	Measured Average Power (dBm)	Tune Up (dBm)	Measured 1g SAR (W/kg)	Scaled 1g SAR (W/kg)	Scan Figure Number
0mm Bottom	58	5300	12.10	12.75	0.86	1.00	Figure 14
0mm Rear Of Display	58	5300	12.10	12.75	0.18	0.21	Figure 15

Limit for General Population (Uncontrolled Exposure) 1.6 W/kg (1g)

KDB248227 D01 v02 - U-NII-1 Testing was not required as this met the test exclusion criteria of Section 5.3.1

## WLAN - U-NII-2A - 802.11ac - 80 MHz - SISO Antenna WF1 Specific Absorption Rate(Maximum SAR) 1g Results

Test Position	Channel Number	Frequency (MHz)	Measured Average Power (dBm)	Tune Up (dBm)	Measured 1g SAR (W/kg)	Scaled 1g SAR (W/kg)	Scan Figure Number
0mm Bottom	58	5300	12.20	12.75	0.86	0.98	Figure 16
0mm Rear Of Display	58	5300	12.20	12.75	0.19	0.22	Figure 17

Limit for General Population (Uncontrolled Exposure) 1.6 W/kg (1g)

KDB248227 D01 v02 – U-NII-1 Testing was not required as this met the test exclusion criteria of Section 5.3.1



## WLAN - U-NII-2A - MIMO - 802.11ac - 80 MHz - 2x2 MIMO - Antenna WF1 and WF2: Specific Absorption Rate (Maximum SAR) 1g Results

Test Position	Ant	Channel Number	Frequency (MHz)	Measured Average Power (dBm)	Tune Up (dBm)	Measured 1g SAR (W/kg)	Scaled 1g SAR (W/kg)	Scan Figure Number
0mm Bottom	WF1	58	5300	12.20	12.75	0.832	0.94	Figure 40
0mm Bottom	WF2	58	5300	12.10	12.75	0.82	0.95	Figure 18

Limit for General Population (Uncontrolled Exposure) 1.6 W/kg (1g)

KDB248227 D01 v02 - U-NII-1 Testing was not required as this met the test exclusion criteria of Section 5.3.1

## WLAN - U-NII-2C - 802.11ac - 80 MHz - SISO Antenna WF1 Specific Absorption Rate(Maximum SAR) 1g Results

Test Position	Channel Number	Frequency (MHz)	Measured Average Power (dBm)	Tune Up (dBm)	Measured 1g SAR (W/kg)	Scaled 1g SAR (W/kg)	Scan Figure Number
0mm Bottom	138	5690	10.90	11.00	0.83	0.85	Figure 19
0mm Rear Of Display	138	5690	10.90	11.00	0.15	0.16	Figure 20
0mm Bottom	122	5610	10.80	11.00	0.84	0.88	Figure 21
0mm Bottom	106	5530	10.70	11.00	0.72	0.77	Figure 22

Limit for General Population (Uncontrolled Exposure) 1.6 W/kg (1g)

KDB 447498 D01 - Testing of other required channels within the operation mode of a frequency band is not required when the reported 1g SAR for mid-band or highest output power channel is:

- $\leq$  0.8W/kg when the transmission band is  $\leq$  100MHz
- $\leq$  0.6W/kg when the transmission band is between 100MHz and 200MHz
- $\leq$  0.4W/kg when the transmission band is  $\geq$  200MHz

## WLAN - U-NII-2C - 802.11ac - 80 MHz - SISO Antenna WF2 Specific Absorption Rate(Maximum SAR) 1g Results

Test Position	Channel Number	Frequency (MHz)	Measured Average Power (dBm)	Tune Up (dBm)	Measured 1g SAR (W/kg)	Scaled 1g SAR (W/kg)	Scan Figure Number
0mm Bottom	138	5690	10.80	11.00	0.45	0.47	Figure 23
0mm Rear Of Display	138	5690	10.80	11.00	0.11	0.11	Figure 24
0mm Bottom	122	5610	10.80	11.00	0.55	0.58	Figure 25
0mm Bottom	106	5530	10.70	11.00	0.61	0.65	Figure 26

Limit for General Population (Uncontrolled Exposure) 1.6 W/kg (1g)

KDB 447498 D01 - Testing of other required channels within the operation mode of a frequency band is not required when the reported 1g SAR for mid-band or highest output power channel is:

- ≤ 0.8W/kg when the transmission band is ≤ 100MHz
- ≤ 0.6W/kg when the transmission band is between 100MHz and 200MHz
- ≤ 0.4W/kg when the transmission band is ≥ 200MHz



## WLAN - U-NII-2C - 802.11ac - 80 MHz - MCS0 - 2x2 MIMO - Antenna WF1 and WF2: Specific Absorption Rate (Maximum SAR) 1g Results

Test Position	Ant	Channel Number	Frequency (MHz)	Measured Average Power (dBm)	Tune Up (dBm)	Measured 1g SAR (W/kg)	Scaled 1g SAR (W/kg)	Scan Figure Number
0mm Bottom	WF1	138	5690	10.70	11.00	0.57	0.62	Figure 27
0mm Bottom	WF2	138	5690	10.90	11.00	0.32	0.33	Figure 21
0mm Bottom	WF1	106	5530	10.80	11.00	0.54	0.57	Figure 28
0mm Bottom	WF2	106	5530	10.80	11.00	0.49	0.51	Figure 26
0mm Bottom	WF1	122	5610	10.70	11.00	0.63	0.67	Figure 29
0mm Bottom	WF2	122	5610	10.80	11.00	0.42	0.44	Figure 29

Limit for General Population (Uncontrolled Exposure) 1.6 W/kg (1g)

KDB 447498 D01 - Testing of other required channels within the operation mode of a frequency band is not required when the reported 1g SAR for mid-band or highest output power channel is:

- ≤ 0.8W/kg when the transmission band is ≤ 100MHz
- ≤ 0.6W/kg when the transmission band is between 100MHz and 200MHz
- ≤ 0.4W/kg when the transmission band is ≥ 200MHz

## WLAN - U-NII-3 - 802.11ac - 80 MHz - MCS0 - SISO Antenna WF1 Specific Absorption Rate(Maximum SAR) 1g Results

Test Position	Channel Number	Frequency (MHz)	Measured Average Power (dBm)	Tune Up (dBm)	Measured 1g SAR (W/kg)	Scaled 1g SAR (W/kg)	Scan Figure Number		
0mm Bottom	155	5775	11.80	12.00	0.86	0.90	Figure 30		
0mm Rear Of Display	155	5775	11.80	12.00	0.18	0.18	Figure 31		
Limit for General Popu	Limit for General Population (Uncontrolled Exposure) 1.6 W/kg (1g)								

## WLAN - U-NII-3 - 802.11ac - 80 MHz - MCS0 - SISO Antenna WF2 Specific Absorption Rate(Maximum SAR) 1g Results

Test Position	Channel Number	Frequency (MHz)	Measured Average Power (dBm)	Tune Up (dBm)	Measured 1g SAR (W/kg)	Scaled 1g SAR (W/kg)	Scan Figure Number		
0mm Bottom	155	5775	11.90	12.00	0.52	0.53	Figure 32		
0mm Rear Of Display	155	5775	11.90	12.00	0.12	0.12	Figure 33		
Limit for General Popu	Limit for General Population (Uncontrolled Exposure) 1.6 W/kg (1g)								



## WLAN - U-NII-3 - 802.11ac - 80 MHz - MCS0 - 2x2 MIMO - Antenna WF1 and WF2: Specific Absorption Rate (Maximum SAR) 1g Results

Test Position	Ant	Channel Number	Frequency (MHz)	Measured Average Power (dBm)	Tune Up (dBm)	Measured 1g SAR (W/kg)	Scaled 1g SAR (W/kg)	Scan Figure Number		
0mm Bottom	WF1	155	5775	11.80	12.00	0.63	0.66	Figure 24		
0mm Bottom	WF2	155	5775	11.80	12.00	0.38	0.40	Figure 34		
Limit for Ger	Limit for General Population (Uncontrolled Exposure) 1.6 W/kg (1g)									

## Measurement Variability: Specific Absorbtion Rate (Maximum SAR) 1g Results

Number	(MHz)	Average Power (dBm)	Tune Up (dBm)	Measured 1g SAR (W/kg)	Scaled 1g SAR (W/kg)	Scan Figure Number
11	2462	17.3	17.5	0.95	1.06	Figure 7
11	2462	17.3	17.5	0.91	1.00	Figure 35
58	5300	12.1	12.75	0.86	1.00	Figure 12
58	5300	12.1	12.75	0.87	1.01	Figure 36
122	5610	10.8	11.00	0.84	0.88	Figure 21
122	5610	10.8	11.00	0.82	0.86	Figure 37
155	5775	11.8	12.00	0.86	0.90	Figure 28
155	5775	11.8	12.00	0.87	0.91	Figure 38
	11 58 58 122 122 155	11     2462       58     5300       58     5300       122     5610       122     5610       155     5775       155     5775	11       2462       17.3         11       2462       17.3         58       5300       12.1         58       5300       12.1         122       5610       10.8         122       5610       10.8         155       5775       11.8         155       5775       11.8	11       2462       17.3       17.5         11       2462       17.3       17.5         58       5300       12.1       12.75         58       5300       12.1       12.75         122       5610       10.8       11.00         122       5610       10.8       11.00         155       5775       11.8       12.00         155       5775       11.8       12.00	11       2462       17.3       17.5       0.95         11       2462       17.3       17.5       0.91         58       5300       12.1       12.75       0.86         58       5300       12.1       12.75       0.87         122       5610       10.8       11.00       0.84         122       5610       10.8       11.00       0.82         155       5775       11.8       12.00       0.86         155       5775       11.8       12.00       0.87	11       2462       17.3       17.5       0.95       1.06         11       2462       17.3       17.5       0.91       1.00         58       5300       12.1       12.75       0.86       1.00         58       5300       12.1       12.75       0.87       1.01         122       5610       10.8       11.00       0.84       0.88         122       5610       10.8       11.00       0.82       0.86         155       5775       11.8       12.00       0.86       0.90

Limit for General Population (Uncontrolled Exposure) 1.6 W/kg (1g)

KDB 865664 – Section 2.8.1- Repeated Scans for measured SAR ≥ 0.8 W/kg



#### 1.4.3 Simultaneous Transmission

Position	WLAN-SISO Antenna WF1 1 g SAR (W/kg)	WLAN-SISO Antenna WF2 1 g SAR (W/kg)	Bluetooth Antenna WF1 1 g SAR (W/kg)	Sum of 1 g SAR (W/Kg)	Peak Location Separation Ratio required?	Peak Location Separation Ratio
Bottom	1.06	-	0.07	1.13	No	N/A
Bottom	-	1.01	0.07	1.08	No	N/A
Rear Of Display	0.22		0.01	0.23	No	N/A
Rear Of Display	-	0.21	0.01	0.22	No	N/A

KDB 447498 D01 - Section 4.3.2: Simultaneous test exclusion is applicable as the sum of 1-g SAR of all simultaneously transmitting antennas in an operating mode and exposure condition combination is within the SAR limit.

## 1.4.4 Measurement Variability (KDB 865664 D01)

Repeated measurements are required only when the measured SAR is  $\geq 0.80$  W/kg. If the measured SAR value of the initial repeated measurement is < 1.45 W/kg with  $\leq 20\%$  variation, only one repeated measurement is required to reaffirm that the results are not expected to have substantial variations, which may introduce significant compliance concerns. A second repeated measurement is required only if the measured result for the initial repeated measurement is within 10% of the SAR limit and vary by more than 20%, which are often related to device and measurement setup difficulties. The following procedures are applied to determine if repeated measurements are required. The same procedures should be adapted for measurements according to extremity and occupational exposure limits by applying a factor of 2.5 for extremity exposure and a factor of 5 for occupational exposure to the corresponding SAR thresholds. The repeated measurement results must be clearly identified in the SAR report. All measured SAR, including the repeated results, must be considered to determine compliance.

- 1) Repeated measurement is not required when the original highest measured SAR is < 0.80 W/kg; steps 2 to 4 do not apply.
- 2) When the original highest measured SAR is ≥ 0.80 W/kg, repeat that measurement once.
- 3) Perform a second repeated measurement only if the ratio of largest to smallest SAR for the original and first repeated measurements is > 1.20 or when the original or repeated measurement is  $\ge 1.45$  W/kg ( $\sim 10\%$  from the 1-g SAR limit).
- 4) Perform a third repeated measurement only if the original, first or second repeated measurement is ≥ 1.5 W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20.



Repeated measurements were required for the 2.4GHz, U-NII-2A and U-NII-2C frequency bands.

## 2.4GHz WLAN: SISO WF1

Test Position	Ant	Channel Number	Frequency (MHz)	Scaled 1g SAR (W/kg)	Test	Ratio
0mm Bottom	Antenna WF1	11	2462	1.06	Initial	1.05
0mm Bottom	Antenna WF1	11	2462	1.00	Repeated	1.05

## U-NII-2A: SISO WF2

Test Position	Ant	Channel Number	Frequency (MHz)	Scaled 1g SAR (W/kg)	Test	Ratio
0mm Bottom	Antenna WF2	58	5300	1.00	Initial	1.00
0mm Bottom	Antenna WF2	58	5300	1.01	Repeated	1.00

## U-NII-2A: SISO WF1

Test Position	Ant	Channel Number	Frequency (MHz)	Scaled 1g SAR (W/kg)	Test	Ratio
0mm Bottom	Antenna WF1	122	5610	0.88	Initial	1.00
0mm Bottom	Antenna WF1	122	5610	0.86	Repeated	1.02

## U-NII-2C: SISO WF1

Test Position	Ant	Channel Number	Frequency (MHz)	Scaled 1g SAR (W/kg)	Test	Ratio
0mm Bottom	Antenna WF1	155	5775	0.90	Initial	0.00
0mm Bottom	Antenna WF1	155	5775	0.91	Repeated	0.99



## 1.4.5 Standalone SAR Test Exclusion Considerations. (KDB 447498 D01)

The 1g SAR Test exclusion thresholds for 100 MHz to 6 GHz test separation distances ≤ 50 mm are determined by:

[(max power of channel, including tune-up tolerance, mW) / (min. test separation distance, mm)]  $[\sqrt{f}(_{GHz})] \le 3.0$ , where

- f (GHz) is the RF channel transmit frequency in GHz.
- Power and distance are rounded to the nearest mW and mm before calculation.
- The result is rounded to one decimal place for comparison.
- When the maximum test separation distance is < 5 mm, a distance of 5 mm is applied.

RAT & Band	Frequency (MHz)	Power (dBm)	Power (mW)	Test Position	Distance (mm)	Threshold	Test Exclusion
Bluetooth - 2450 MHz	2480	16.50	45.00	Body	5	4.5	No
WLAN – 2450MHz	2462	17.75	60.00	Body	5	6.0	No
WLAN – U-NII-2A	5300	12.75	19.00	Body	5	8.7	No
WLAN – U-NII-2C	5690	11. 00	13.00	Body	5	6.2	No
WLAN – U-NII-3	5775	12.00	16.00	Body	5	7.7	No



## 1.4.6 Technical Description

The equipment under test (EUT) was an Apple Inc, A2289 Laptop Computer. A full technical description can be found in the manufacturer's documentation.

## 1.4.7 Test Configuration and Modes of Operation

The testing was performed with an integral battery supplied by Apple Inc. The batteries were fully charged before each measurement and there were no external connections.

Supported technologies are Bluetooth (BDR/EDR/LE), 2.4 GHz WLAN 802.11b/g/n and 5 GHz WLAN 802.11a/n/ac. 2x2 MIMO is supported for WLAN, Bluetooth is transmitted on Antenna WF1 only.

WLAN and Bluetooth testing were achieved using the devices' internal software, scripts and settings supplied by the customer. For each scan, the device was configured into a continuous transmission test mode at maximum power. Testing was performed in each position at the frequency that gave the highest output power for each band. Some SAR levels were found to be > 0.80 W/kg (KDB 447498 D01) therefore additional testing was required at the relevant frequencies / channels of the bands.

Conducted power measurements were performed on a modified device (accessible conducted ports) and the measured SAR results were power scaled to the maximum declared tune-up level.

For each antenna, the bottom surface and the rear of the EUT display were assessed for SAR. MIMO testing was carried out on the bottom surface of the EUT only. (Worst case position of SISO results)

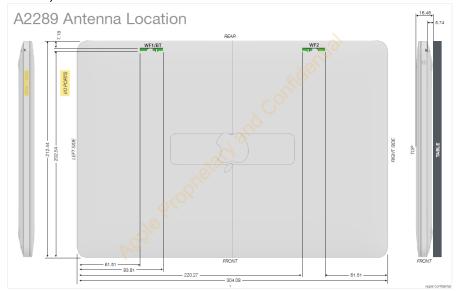


Figure 1 Antenna Location Diagram

2450 MHz 802.11g/n OFDM configurations met the test exclusion requirements of KDB 248227 D01 section 5.2.2 as the highest reported SAR for DSSS was adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR was  $\leq$  1.2 W/kg.

For the 5GHz frequency bands the transmission mode used for testing was determined by the 802.11 configuration with the highest declared output power in each frequency band. Where



multiple 802.11 configurations have the same specified output power, testing was performed using the mode with the largest channel bandwidth with the lowest order modulation and lowest data rate.

The U-NII-1 Band was not tested as this met the test exclusion requirements of KDB 248227 D01 section 5.3.1.

For SAR assessment, the relevant surfaces of the device were placed against an Elliptical phantom with a 0mm separation distance.

The Elliptical Flat Phantom dimensions are 600mm major axis and 400mm minor axis with a shell thickness of 2mm. The phantom was filled to a minimum depth of 150mm with the appropriate body simulant liquid. The dielectric properties were measured and found to be in accordance with the requirements specified in KDB 865665.

Included in this report are descriptions of the test method; the equipment used and an analysis of the test uncertainties applicable and diagrams indicating the locations of maximum SAR for each test position along with photographs indicating the positioning of the EUT against the elliptical phantom as appropriate.

#### 1.4.8 Deviations from Standard

Initially, area scans were completed covering the whole of the bottom surface of the EUT to determine that there were no other RF radiators (unintentional) other than the antennas. The actual SAR measurements were completed using smaller area scans covering the antenna locations only.



## 1.5 POWER TABLES (TUNE UP VALUES)

Note: Power levels highlighted in blue apply to ISED only and values highlighted in green apply to FCC only. All other values are universal.

All levels in dBm

## Bluetooth - FCC and ISED

Band	Configuration	Channel	BDR	EDR	LE/LE2M	HDR4/HDR8
2.4GHz	iPA		12.00	10.00	7.00	3.50
2.4GHZ	ePa	All	16.50	16.50	N/A	10.00

## WLAN - FCC and ISED

Band	Channel	Center Frequency (MHz)	802.11b (SISO)	802.11g (SISO)	802.11n HT20 (SISO)	802.11n HT20 (2 Tx, DSSS)	802.11n HT20 (2 Tx, non- TXBF)	802.11n HT20 (2 Tx, TXBF)
2.4GHz	1	2412	17.75	13.50	13.50	17.75	13.50	11.50
2.4GHz	2	2417	17.75	16.00	16.00	17.75	15.50	13.50
2.4GHz	3	2422	17.75	17.75	17.75	17.75	17.50	15.50
2.4GHz	4	2427	17.75	17.75	17.75	17.75	17.75	16.50
2.4GHz	5	2432	17.75	17.75	17.75	17.75	17.75	17.75
2.4GHz	6	2437	17.75	17.75	17.75	17.75	17.75	17.75
2.4GHz	7	2442	17.75	17.75	17.75	17.75	17.75	17.50
2.4GHz	8	2447	17.75	17.75	17.75	17.75	17.00	15.00
2.4GHz	9	2452	17.75	17.00	17.00	17.75	15.50	13.50
2.4GHz	10	2457	17.75	16.00	16.00	17.75	14.50	12.50
2.4GHz	11	2462	17.75	11.50	11.50	17.00	10.50	8.50
2.4GHz	12	2467	14.50	9.50	9.50	13.50	8.50	6.50
2.4GHz	13	2472	12.50	0.00	0.00	10.50	-3.00	-5.00



Band	Channel	Center Frequency (MHz)	802.11a (SISO)	802.11n HT20 (SISO)	H7 (2 Tx	.11n 720 CDD, FXBF)	H7 (2 Tx	.11n Γ20 SDM, ΓXBF)	802. HT20 TXE	(2 Tx,
U-NII-1	36	5180	12.50	12.50	12.50 8.50		12.50	11.00	12.00	8.50
U-NII-1	40	5200	12.50	12.50	12.50	8.50	12.50	11.00	12.50	8.50
U-NII-1	44	5220	12.50	12.50	12.50	8.50	12.50	11.00	12.50	8.50
U-NII-1	48	5240	12.50	12.50	12.50	8.50	12.50	11.00	12.50	8.50
U-NII-2A	52	5260	12.75	12.75	12	.75	12	.75	12.	75
U-NII-2A	56	5280	12.75	12.75	12	.75	12	.75	12.	75
U-NII-2A	60	5300	12.75	12.75	12	.75	12	.75	12.	75
U-NII-2A	64	5320	12.75	12.75	12	.75	12	.75	12.	75
U-NII-2C	100	5500	11.00	11.00	11	.00	11	.00	11.	00
U-NII-2C	104	5520	11.00	11.00	11	.00	11.00		0 11.00	
U-NII-2C	108	5540	11.00	11.00	11	11.00		11.00 11.00		00
U-NII-2C	112	5560	11.00	11.00	11	.00	11.00		11.00 11.00	
U-NII-2C	116	5580	11.00	11.00	11	.00	11.00		11.	00
U-NII-2C	120	5600	11.00	11.00	11	.00	11	.00	11.	00
U-NII-2C	124	5620	11.00	11.00	11	.00	11	.00	11.	00
U-NII-2C	128	5640	11.00	11.00	11	.00	11	.00	11.	00
U-NII-2C	132	5660	11.00	11.00	11	.00	11	.00	11.	00
U-NII-2C	136	5680	11.00	11.00	11	.00	11	.00	11.	00
U-NII-2C	140	5700	11.00	11.00	11	.00	11	.00	11.	00
U-NII-2C	144	5720	11.00	11.00	11	.00	11	.00	11.	00
U-NII-3	149	5745	12.00	12.00	12	.00	12	.00	12.	00
U-NII-3	153	5765	12.00	12.00	12.00		12.00		12.	00
U-NII-3	157	5785	12.00	12.00	12	12.00		12.00		00
U-NII-3	161	5805	12.00	12.00	12	12.00		12.00		00
U-NII-3	165	5825	12.00	12.00	12	.00	12	.00	12.	00



Band	Channel	Center Frequency (MHz)	802.11n HT40 (1 Tx)	802 HT40 CDD, TXI	non-	802.11n HT40 (2 Tx SDM, non- TXBF)	802. HT40 TXE	(2 Tx,
U-NII-1	38	5190	12.50	12.50	11.00	12.50	12.00	11.00
U-NII-1	46	5230	12.50	12.50	11.00	12.50	12.50	11.00
U-NII-2A	54	5270	12.75	12	.75	12.75	12.	75
U-NII-2A	62	5310	12.75	12	.75	12.75	12.	75
U-NII-2C	102	5510	11.00	11.	.00	11.00	11.00	
U-NII-2C	110	5550	11.00	11.	.00	11.00	11.	00
U-NII-2C	118	5590	11.00	11.	.00	11.00	11.	00
U-NII-2C	126	5630	11.00	11.	.00	11.00	11.	00
U-NII-2C	134	5670	11.00	11.	.00	11.00	11.00	
U-NII-2C	142	5710	11.00	11.	.00	11.00	11.	00
U-NII-3	151	5755	12.00	12.00		12.00	12.	00
U-NII-3	159	5795	12.00	12	.00	12.00	12.	00

Band	Channel	Center Frequency (MHz)	802.11ac VHT80 (1 Tx)	802.11ac VHT80 (2 Tx CDD, non- TXBF)	802.11ac VHT80 (2 Tx SDM, non- TXBF)	802.11ac VHT80 (2 Tx, TXBF)
U-NII-1	42	5210	12.50	12.50	12.50	11.00
U-NII-2A	58	5290	12.75	12.75	12.75	12.50
U-NII-2C	106	5530	11.00	11.00	11.00	11.00
U-NII-2C	122	5610	11.00	11.00	11.00	11.00
U-NII-2C	138	5690	11.00	11.00	11.00	11.00
U-NII-3	155	5775	12.00	12.00	12.00	12.00



## 1.6 POWER MEASUREMENTS

## 1.6.1 **Method**

Conducted power measurements were performed with a power meter.

## Bluetooth- BDR - Antenna WF1

Technology	Channel	Modulation	Duty Cycle (%)	Packet Type	Frequency (MHz)	Measured Power (dBm)	Tune Up (dBm)
BDR	0	GFSK	77.0	DH5	2402	16.11	16.50
BDR	39	GFSK	77.0	DH5	2441	15.78	16.50
BDR	78	GFSK	77.0	DH5	2480	16.26	16.50

Technology	Channel	Modulation	Duty Cycle (%)	Packet Type	Frequency (MHz)	Measured Power (dBm)	Tune Up (dBm)
EDR	0	PSK	77.0	3-DH5	2402	15.71	16.50
EDR	39	PSK	77.0	3-DH5	2441	15.32	16.50
EDR	78	PSK	77.0	3-DH5	2480	15.64	16.50

## WLAN 2450 MHz SISO Antenna WF1

Technology	Channel	Modulation	Duty Cycle (%)	Rate (Mbps)	Frequency (MHz)	Measured Power (dBm)	Tune Up (dBm)
802.11b	1	BPSK	100	1	2412	17.20	17.75
802.11b	6	BPSK	100	1	2437	17.10	17.75
802.11b	11	BPSK	100	1	2462	17.30	17.75

Power measurements were not performed for OFDM modes as OFDM configurations met the test exclusion requirements of KDB 248227 D01 section 5.2.2



## WLAN 2450 MHz SISO Antenna WF2

Technology	Channel	Modulation	Duty Cycle (%)	Rate (Mbps)	Frequency (MHz)	Measured Power (dBm)	Tune Up (dBm)
802.11b	1	BPSK	100	1	2412	17.40	17.75
802.11b	6	BPSK	100	1	2437	17.40	17.75
802.11b	11	BPSK	100	1	2462	17.20	17.75

Power measurements were not performed for OFDM modes as OFDM configurations met the test exclusion requirements of KDB 248227 D01 section 5.2.2

## WLAN 2450 MHz 2x2 MIMO - Antenna WF1 and Antenna WF2

#### Core0

Technology	Channel	Modulation	Duty Cycle (%)	Rate (Mbps)	Frequency (MHz)	Measured Power (dBm)	Tune Up (dBm)
802.11b	1	BPSK	100	1	2412	17.30	17.75
802.11b	6	BPSK	100	1	2437	17.30	17.75
802.11b	10	BPSK	100	1	2457	17.30	17.75
802.11b	11	BPSK	100	1	2462	16.50	17.00

<sup>•</sup> Top Channel , has lower declared power,hence measurement performed on adjacent channel.

## Core1

Technology	Channel	Modulation	Duty Cycle (%)	Rate (Mbps)	Frequency (MHz)	Measured Power (dBm)	Tune Up (dBm)
802.11b	1	BPSK	100	1	2412	17.40	17.75
802.11b	6	BPSK	100	1	2437	17.30	17.75
802.11b	10	BPSK	100	1	2457	17.20	17.75
802.11b	11	BPSK	100	1	2462	16.60	17.00

Top Channel , has lower declared power,hence measurement performed on adjacent channel.



## WLAN U-NII 2A SISO Antenna WF1

Technology	Channel	Modulation	Duty Cycle (%)	Rate (Mbps)	Frequency (MHz)	Measured Power (dBm)	Tune Up (dBm)
802.11ac VHT80	58	BPSK	100	29.3	5290	12.20	12.75

## WLAN U-NII 2A SISO Antenna WF2

Technology	Channel	Modulation	Duty Cycle (%)	Rate (Mbps)	Frequency (MHz)	Measured Power (dBm)	Tune Up (dBm)
802.11ac VHT80	58	BPSK	100	29.3	5290	12.10	12.75

## WLAN U-NII 2A 2x2 MIMO - Antenna WF1 and Antenna WF2

#### Antenna WF1

Antonna W							
Technology	Channel	Modulation	Duty Cycle (%)	Rate (Mbps)	Frequency (MHz)	Measured Power (dBm)	Tune Up (dBm)
802.11ac VHT80	58	BPSK	100	29.3	5290	12.20	12.75

#### Antenna WF2

Technology	Channel	Modulation	Duty Cycle (%)	Rate (Mbps)	Frequency (MHz)	Measured Power (dBm)	Tune Up (dBm)
802.11ac VHT80	58	BPSK	100	29.3	5290	12.10	12.75



## WLAN U-NII 2C SISO Antenna WF1

Technology	Channel	Modulation	Duty Cycle (%)	Rate (Mbps)	Frequency (MHz)	Measured Power (dBm)	Tune Up (dBm)
802.11ac VHT80	106	BPSK	100	29.3	5530	10.70	11.00
802.11ac VHT80	122	BPSK	100	29.3	5610	10.80	11.00
802.11ac VHT80	138	BPSK	100	29.3	5690	10.90	11.00

## WLAN U-NII 2C SISO Antenna WF2

Technology	Channel	Modulation	Duty Cycle (%)	Rate (Mbps)	Frequency (MHz)	Measured Power (dBm)	Tune Up (dBm)
802.11ac VHT80	106	BPSK	100	29.3	5530	10.70	11.00
802.11ac VHT80	122	BPSK	100	29.3	5610	10.80	11.00
802.11ac VHT80	138	BPSK	100	29.3	5690	10.80	11.00

## WLAN U-NII 2C 2x2 MIMO - Antenna WF1 and Antenna WF2

#### Antenna WF1

Technology	Channel	Modulation	Duty Cycle (%)	Rate (Mbps)	Frequency (MHz)	Measured Power (dBm)	Tune Up (dBm)
802.11ac VHT80	106	BPSK	100	29.3	5530	10.80	11.00
802.11ac VHT80	122	BPSK	100	29.3	5610	10.70	11.00
802.11ac VHT80	138	BPSK	100	29.3	5690	10.70	11.00

## Antenna WF2

Technology	Channel	Modulation	Duty Cycle (%)	Rate (Mbps)	Frequency (MHz)	Measured Power (dBm)	Tune Up (dBm)
802.11ac VHT80	106	BPSK	100	29.3	5530	10.80	11.00
802.11ac VHT80	122	BPSK	100	29.3	5610	10.80	11.00
802.11ac VHT80	138	BPSK	100	29.3	5690	10.90	11.00



## WLAN U-NII 3 SISO Antenna WF1

Technology	Channel	Modulation	Duty Cycle (%)	Rate (Mbps)	Frequency (MHz)	Measured Power (dBm)	Tune Up (dBm)
802.11ac VHT80	155	BPSK	100	29.3	5775	11.80	12.00

## WLAN U-NII 3 SISO Antenna WF2

Technology	Channel	Modulation	Duty Cycle (%)	Rate (Mbps)	Frequency (MHz)	Measured Power (dBm)	Tune Up (dBm)
802.11ac VHT80	155	BPSK	100	29.3	5775	11.90	12.00

## WLAN U-NII 3 2x2 MIMO - Antenna WF1 and Antenna WF2

#### Antenna WF1

Antonna W							
Technology	Channel	Modulation	Duty Cycle (%)	Rate (Mbps)	Frequency (MHz)	Measured Power (dBm)	Tune Up (dBm)
802.11ac VHT80	155	BPSK	100	29.3	5775	11.80	12.00

#### Antenna WF2

Technology	Channel	Modulation	Duty Cycle (%)	Rate (Mbps)	Frequency (MHz)	Measured Power (dBm)	Tune Up (dBm)
802.11ac VHT80	155	BPSK	100	29.3	5775	11.80	12.00



## **SECTION 2**

## **TEST DETAILS**

Specific Absorption Rate Testing of the A2289



## 2.1 DASY5 MEASUREMENT SYSTEM

## 2.1.1 System Description

The DASY5 system for performing compliance tests consists of the following items:

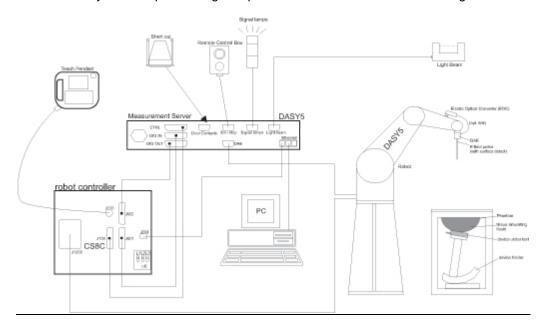


Figure 2 System Description Diagram

A standard high precision 6-axis robot (Stäubli TX=RX family) with controller, teach pendant and software. An arm extension for accommodating the data acquisition electronics (DAE).

An isotropic field probe optimized and calibrated for the targeted measurement.

A data acquisition electronics (DAE) which performs the signal amplification, signal multiplexing, AD-conversion, offset measurements, mechanical surface detection, collision detection, etc. The unit is battery powered with standard or rechargeable batteries. The signal is optically transmitted to the EOC.

The Electro-optical converter (EOC) performs the conversion from optical to electrical signals for the digital communication to the DAE. To use optical surface detection, a special version of the EOC is required. The EOC signal is transmitted to the measurement server.

The function of the measurement server is to perform the time critical tasks such as signal filtering, control of the robot operation and fast movement interrupts.

The Light Beam used is for probe alignment. This improves the (absolute) accuracy of the probe positioning.

A computer running the DASY5 software.

Remote control and teach pendant as well as additional circuitry for robot safety such as warning lamps, etc.

The phantom, the device holder and other accessories according to the targeted measurement.



#### 2.1.2 Probe Specification

The probes used by the DASY system are isotropic E-field probes, constructed with a symmetric design and a triangular core. The probes have built-in shielding against static charges and are contained within a PEEK enclosure material. These probes are specially designed and calibrated for use in liquids with high permittivities. The frequency range of the probes are from 6 MHz to 6 GHz.

## 2.1.3 Data Acquisition Electronics

The data acquisition electronics (DAE4 or DAE3) consist of a highly sensitive electrometer-grade preamplifier with auto-zeroing, a channel and gain-switching multiplexer, a fast 16-bit AD-converter and a command decoder with a control logic unit. Transmission to the measurement server is accomplished through an optical downlink for data and status information, as well as an optical uplink for commands and the clock.

The mechanical probe mounting device includes two different sensor systems for frontal and sideways probe contacts. They are used for mechanical surface detection and probe collision detection. The input impedance of both the DAE4 as well as of the DAE3 box is 200MOhm; the inputs are symmetrical and floating. Common mode rejection is above 80 dB.

## 2.1.4 SAR Evaluation Description

The DASY5 software includes all numerical procedures necessary to evaluate the spatial peak SAR values.

Based on the IEEE 1528 standard, a new algorithm has been implemented. The spatial-peak SAR can be computed over any required mass.

The base for the evaluation is a "cube" measurement in a volume of 30mm3 (7x7x7 points). The measured volume must include the 1g and 10g cubes with the highest averaged SAR values. For that purpose, the centre of the measured volume is aligned to the interpolated peak SAR value of a previously performed area scan. If the 10g cube or both cubes are not entirely inside the measured volumes, the system issues a warning regarding the evaluated spatial peak values within the Post processing engine (SEMCAD X). This means that if the measured volume is shifted, higher values might be possible. To get the correct values you can use a finer measurement grid for the area scan. In complicated field distributions, a large grid spacing for the area scan might miss some details and give an incorrectly interpolated peak location.

The entire evaluation of the spatial peak values is performed within the Post-processing engine (SEMCAD X). The system always gives the maximum values for the 1g and 10g cubes. The algorithm to find the cube with highest averaged SAR is divided into the following stages:

- 1. extraction of the measured data (grid and values) from the Zoom Scan
- 2. calculation of the SAR value at every measurement point based on all stored data (A/D values and measurement parameters)
- 3. generation of a high-resolution mesh within the measured volume
- 4. interpolation of all measured values from the measurement grid to the high-resolution grid
- 5. extrapolation of the entire 3-D field distribution to the phantom surface over the distance from sensor to surface
- 6. calculation of the averaged SAR within masses of 1g and 10g



#### 2.1.5 Interpolation, Extrapolation and Detection of Maxima

The probe is calibrated at the centre of the dipole sensors which is located 1 to 2.7mm away from the probe tip. During measurements, the probe stops shortly above the phantom surface, depending on the probe and the surface detecting system. Both distances are included as parameters in the probe configuration file. The software always knows exactly how far away the measured point is from the surface. As the probe cannot directly measure at the surface, the values between the deepest measured point and the surface must be extrapolated.

In DASY5, the choice of the coordinate system defining the location of the measurement points has no influence on the uncertainty of the interpolation, Maxima Search and extrapolation routines. The interpolation, extrapolation and maximum search routines are all based on the modified Quadratic Shepard's method. Thereby, the interpolation scheme combines a least-square fitted function method and a weighted average method which are the two basic types of computational interpolation and approximation. The DASY5 routines construct a once-continuously differentiable function that interpolates the measurement values as follows:

For each measurement point a trivariate (3-D) / bivariate (2-D) quadratic is computed. It interpolates the measurement values at the data point and forms a least-square fit to neighbouring measurement values. The spatial location of the quadratic with respect to the measurement values is attenuated by an inverse distance weighting. This is performed since the calculated quadratic will fit measurement values at nearby points more accurate than at points located further away.

After the quadratics are calculated for at all measurement points, the interpolating function is calculated as a weighted average of the quadratics.

There are two control parameters that govern the behaviour of the interpolation method. One specifies the number of measurement points to be used in computing the least-square fits for the local quadratics. These measurement points are the ones nearest the input point for which the quadratic is being computed. The second parameter specifies the number of measurement points that will be used in calculating the weights for the quadratics to produce the final function. The input data points used there are the ones nearest the point at which the interpolation is desired. Appropriate defaults are chosen for each of the control parameters

The trivariate quadratics that have been previously computed for the 3-D interpolation and whose input data are at the closest distance from the phantom surface, are used in order to extrapolate the fields to the surface of the phantom.

In order to determine all the field maxima in 2-D (Area Scan) and 3-D (Zoom Scan), the measurement grid is refined by a default factor of 10 and the interpolation function is used to evaluate all field values between corresponding measurement points. Subsequently, a linear search is applied to find all the candidate maxima. In a last step, non-physical maxima are removed and only those maxima which are within 2 dB of the global maximum value are retained.

In the Area Scan, the gradient of the interpolation function is evaluated to find all the extrema of the SAR distribution. The uncertainty on the locations of the extrema is less than 1/20 of the grid size. Only local maxima within 2 dB of the global maximum are searched and passed for the Zoom Scan measurement.

In the Zoom Scan, the interpolation function is used to extrapolate the Peak SAR from the lowest measurement points to the inner phantom surface (the extrapolation distance). The uncertainty increases with the extrapolation distance. To keep the uncertainty within 1% for the 1g and 10g cubes, the extrapolation distance should not be larger than 5mm.



## 2.1.6 Averaging and Determination of Spatial Peak SAR

The interpolated data is used to average the SAR over the 1g and 10g cubes by spatially discretising the entire measured volume. The resolution of this spatial grid used to calculate the averaged SAR is 1mm or about 42875 interpolated points. The resulting volumes are defined as cubical volumes containing the appropriate tissue parameters that are cantered at the location. The location is defined as the centre of the incremental volume (voxel).

The spatial-peak SAR must be evaluated in cubical volumes containing a mass that is within 5% of the required mass. The cubical volume centred at each location, as defined above, should be expanded in all directions until the desired value for the mass is reached, with no surface boundaries of the averaging volume extending beyond the outermost surface of the considered region. In addition, the cubical volume should not consist of more than 10% of air. If these conditions are not satisfied, then the centre of the averaging volume is moved to the next location. Otherwise, the exact size of the final sampling cube is found using an inverse polynomial approximation algorithm, leading to results with improved accuracy. If one boundary of the averaging volume reaches the boundary of the measured volume during its expansion, it will not be evaluated at all. Reference is kept of all locations used and those not used for averaging the SAR. All average SAR values are finally assigned to the centred location in each valid averaging volume.

All locations included in an averaging volume are marked to indicate that they have been used at least once. If a location has been marked as used but has never been assigned to the centre of a cube, the highest averaged SAR value of all other cubical volumes which have used this location for averaging is assigned to this location. Only those locations that are not part of any valid averaging volume should be marked as unused. For the case of an unused location, a new averaging volume must be constructed which will have the unused location centred at one surface of the cube. The remaining five surfaces are expanded evenly in all directions until the required mass is enclosed, regardless of the amount of included air. Of the six possible cubes with one surface centred on the unused location, the smallest cube is used, which still contains the required mass.

If the final cube containing the highest averaged SAR touches the surface of the measured volume, an appropriate warning is issued within the Post-processing engine.



## 2.2 BLUETOOTH 2450 MHz BODY SAR TEST RESULTS

SOFTWARE VERSION:	52.10.2(1495)	AMBIENT TEMPERATURE:	23.2 °C
DATE:	09/01/2020	RELATIVE HUMIDITY:	37.0 %
PHANTOM:	QD OVA 004 Ax	CONDUCTIVITY:	2.125 S/m
DUT CONFIGURATION:	Bluetooth – Antenna WF1	RELATIVE PERMITTIVITY:	52.985
DUT POSITION:	0mm - Rear of Display	LIQUID TEMPERATURE:	22 °C
RAT:	Bluetooth	SCAN TYPE:	Full
FREQUENCY:	2480 MHz	DRIFT:	-0.06 dB
MODULATION:	GFSK	PEAK SAR:	0.014 W/kg
DUTY CYCLE:	77 %	SAR (1g):	0.01 W/kg
0.0091			

Figure 5: SAR Body Testing Results for the A2289 at 2480 MHz.

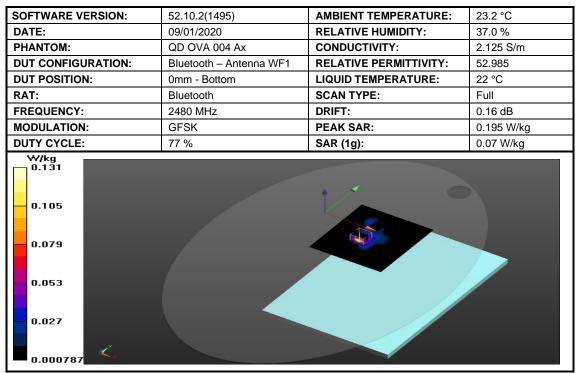


Figure 6: SAR Body Testing Results for the A2289 at 2480 MHz.



#### 2.3 WLAN 2450 MHz BODY SAR TEST RESULTS

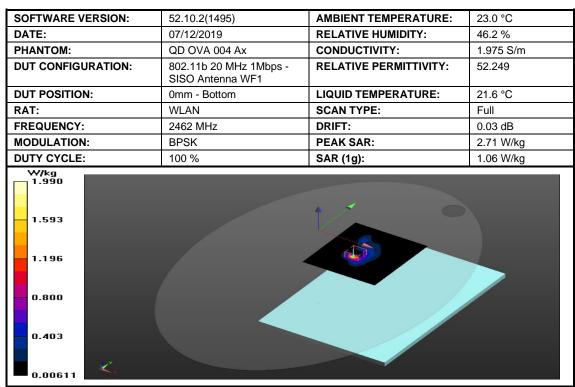


Figure 7: SAR Body Testing Results for the A2289 at 2462 MHz.

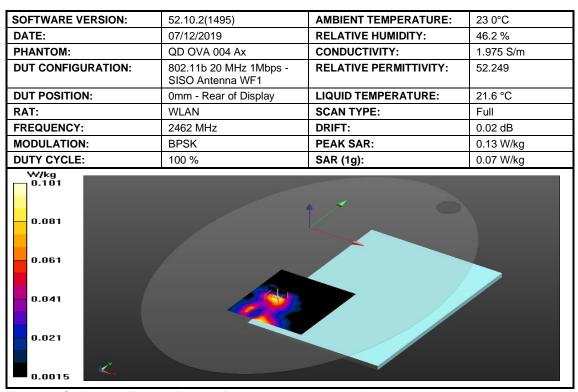


Figure 8: SAR Body Testing Results for the A2289 at 2462 MHz.



			T
SOFTWARE VERSION:	52.10.2(1495)	AMBIENT TEMPERATURE:	21.8 °C
DATE:	23/01/2020	RELATIVE HUMIDITY:	35.8 %
PHANTOM:	QD OVA 004 Ax	CONDUCTIVITY:	2.001 S/m
DUT CONFIGURATION:	802.11b 20 MHz 1Mbps - SISO Antenna WF1	RELATIVE PERMITTIVITY:	53.14
DUT POSITION:	0mm - Rear of Display	LIQUID TEMPERATURE:	21.1 °C
RAT:	WLAN	SCAN TYPE:	Full
FREQUENCY:	2412 MHz	DRIFT:	0.07 dB
MODULATION:	BPSK	PEAK SAR:	0.132 W/kg
DUTY CYCLE:	100 %	SAR (1g):	0.56 W/kg
0.774 0.581 0.389 0.196			

Figure 9: SAR Body Testing Results for the A2289 at 2462 MHz.

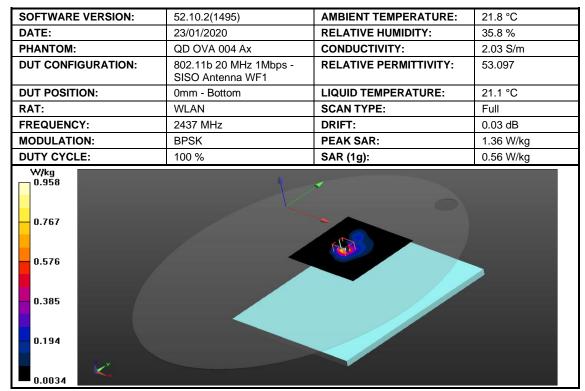


Figure 10: SAR Body Testing Results for the A2289 at 2462 MHz.



SOFTWARE VERSION:	52.10.2(1495)	AMBIENT TEMPERATURE:	23.0 °C
DATE:	07/12/2019	RELATIVE HUMIDITY:	46.2 %
PHANTOM:	QD OVA 004 Ax	CONDUCTIVITY:	1.93 S/m
DUT CONFIGURATION:	802.11b 20 MHz 1Mbps - SISO Antenna WF2	RELATIVE PERMITTIVITY:	52.32
DUT POSITION:	0mm - Bottom	LIQUID TEMPERATURE:	21.6 °C
RAT:	WLAN	SCAN TYPE:	Full
FREQUENCY:	2412 MHz	DRIFT:	0.10 dB
MODULATION:	BPSK	PEAK SAR:	1.3 W/kg
DUTY CYCLE:	100 %	SAR (1g):	0.51 W/kg
0.761 0.572 0.382 0.193			

Figure 11: SAR Body Testing Results for the A2289 at 2412 MHz.

SOFTWARE VERSION:	52.10.2(1495)	AMBIENT TEMPERATURE:	23.0 °C
DATE:	07/12/2019	RELATIVE HUMIDITY:	46.2 %
PHANTOM:	QD OVA 004 Ax	CONDUCTIVITY:	1.93 S/m
DUT CONFIGURATION:	802.11b 20 MHz 1Mbps - SISO Antenna WF2	RELATIVE PERMITTIVITY:	52.32
DUT POSITION:	0mm - Rear of Display	LIQUID TEMPERATURE:	21.6 °C
RAT:	WLAN	SCAN TYPE:	Full
FREQUENCY:	2412 MHz	DRIFT:	-0.04 dB
MODULATION:	BPSK	PEAK SAR:	0.076 W/kg
DUTY CYCLE:	100 %	SAR (1g):	0.04 W/kg
0.047			

Figure 12: SAR Body Testing Results for the A2289 at 2412 MHz.



		ī	,
SOFTWARE VERSION:	52.10.2(1495)	AMBIENT TEMPERATURE:	21.0 °C
DATE:	10/12/2019	RELATIVE HUMIDITY:	37.2 %
PHANTOM:	QD OVA 004 Ax	CONDUCTIVITY:	1.93 S/m
DUT CONFIGURATION:	802.11b 20 MHz 1Mbps - MIMO Antenna WF1 & WF1	RELATIVE PERMITTIVITY:	52.32
DUT POSITION:	0mm - Bottom	LIQUID TEMPERATURE:	20.3 °C
RAT:	WLAN	SCAN TYPE:	Full
FREQUENCY:	2412 MHz	DRIFT:	-0.16 dB
MODULATION:	BPSK	PEAK SAR:	1.55 W/kg
DUTY CYCLE:	100 %	SAR (1g):	0.63 W/kg
W/kg 0.769 0.616 0.463 0.310 0.157			

Figure 13: SAR Body Testing Results for the A2289 at 2412 MHz.



## 2.4 WLAN U-NII 2A BODY SAR TEST RESULTS

SOFTWARE VERSION:	52.10.2(1495)	AMBIENT TEMPERATURE:	23.0 °C
DATE:	07/12/2019	RELATIVE HUMIDITY:	46.2 %
PHANTOM:	QD OVA 004 Ax	CONDUCTIVITY:	5.475 S/m
DUT CONFIGURATION:	802.11ac 80 MHz 29.3 Mbps - SISO Antenna WF2	RELATIVE PERMITTIVITY:	47.082
DUT POSITION:	0mm - Bottom	LIQUID TEMPERATURE:	23.3 °C
RAT:	WLAN	SCAN TYPE:	Full
FREQUENCY:	5300 MHz	DRIFT:	-0.18 dB
MODULATION:	MCS0	PEAK SAR:	3.10 W/kg
DUTY CYCLE:	100 %	SAR (1g):	1.00 W/kg
1.960		• *	
1.960 1.568 1.177 0.785			

Figure 14: SAR Body Testing Results for the A2289 at 5300 MHz.

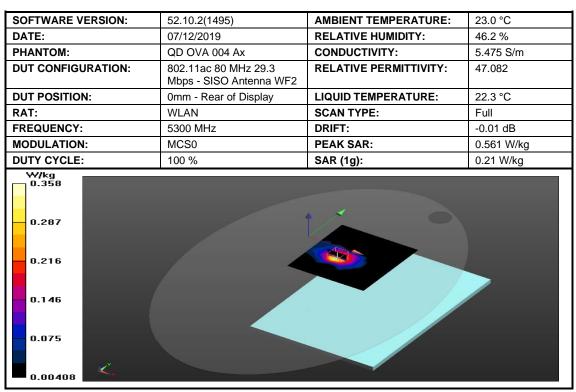


Figure 15: SAR Body Testing Results for the A2289 at 5300 MHz.



	1	T	
SOFTWARE VERSION:	52.10.2(1495)	AMBIENT TEMPERATURE:	23.0 °C
DATE:	07/12/2019	RELATIVE HUMIDITY:	46.2 %
PHANTOM:	QD OVA 004 Ax	CONDUCTIVITY:	5.475 S/m
DUT CONFIGURATION:	802.11ac 80 MHz 29.3 Mbps - SISO Antenna WF1	RELATIVE PERMITTIVITY:	47.082
DUT POSITION:	0mm - Bottom	LIQUID TEMPERATURE:	22.3 °C
RAT:	WLAN	SCAN TYPE:	Full
FREQUENCY:	5300 MHz	DRIFT:	0.01 dB
MODULATION:	MCS0	PEAK SAR:	3.10 W/kg
DUTY CYCLE:	100 %	SAR (1g):	0.98 W/kg
1.529 1.148 0.767 0.386			

Figure 16: SAR Body Testing Results for the A2289 at 5300 MHz.

SOFTWARE VERSION:	52.10.2(1495)	AMBIENT TEMPERATURE:	23.0 °C
DATE:	07/12/2019	RELATIVE HUMIDITY:	46.2 %
PHANTOM:	QD OVA 004 Ax	CONDUCTIVITY:	5.475 S/m
DUT CONFIGURATION:	802.11ac 80 MHz 29.3 Mbps - SISO Antenna WF1	RELATIVE PERMITTIVITY:	47.082
DUT POSITION:	0mm - Rear of Display	LIQUID TEMPERATURE:	22.3 °C
RAT:	WLAN	SCAN TYPE:	Full
FREQUENCY:	5300 MHz	DRIFT:	-0.07 dB
MODULATION:	MCS0	PEAK SAR:	0.605 W/kg
DUTY CYCLE:	100 %	SAR (1g):	0.22 W/kg
0.308 0.232 0.156			
0.00439	in a Provide for the Accord		

Figure 17: SAR Body Testing Results for the A2289 at 5300 MHz.



	T		T <u>-</u>
SOFTWARE VERSION:	52.10.2(1495)	AMBIENT TEMPERATURE:	23.0 °C
DATE:	08/12/2019	RELATIVE HUMIDITY:	46.2 %
PHANTOM:	QD OVA 004 Ax	CONDUCTIVITY:	5.475 S/m
DUT CONFIGURATION:	802.11ac 80 MHz 29.3 Mbps - MIMO Antenna WF1 & WF1	RELATIVE PERMITTIVITY:	47.082
DUT POSITION:	0mm - Bottom	LIQUID TEMPERATURE:	22.3 °C
RAT:	WLAN	SCAN TYPE:	Full
FREQUENCY:	5300 MHz	DRIFT:	0.07 dB
MODULATION:	MCS0	PEAK SAR:	3.27 W/kg
DUTY CYCLE:	100 %	SAR (1g):	0.95 W/kg
1.600 1.200 0.800			

Figure 18: SAR Body Testing Results for the A2289 at 5300 MHz.



#### 2.5 WLAN U-NII 2C BODY SAR TEST RESULTS

Ţ			
SOFTWARE VERSION:	52.10.2(1495)	AMBIENT TEMPERATURE:	20.4 °C
DATE:	08/12/2019	RELATIVE HUMIDITY:	40.6 %
PHANTOM:	QD OVA 004 Ax	CONDUCTIVITY:	6.045 S/m
DUT CONFIGURATION:	802.11ac 80 MHz 29.3 Mbps - SISO Antenna WF1	RELATIVE PERMITTIVITY:	46.314
DUT POSITION:	0mm - Bottom	LIQUID TEMPERATURE:	20.29 °C
RAT:	WLAN	SCAN TYPE:	Full
FREQUENCY:	5690 MHz	DRIFT:	0.07 dB
MODULATION:	MCS0	PEAK SAR:	3.55 W/kg
DUTY CYCLE:	100 %	SAR (1g):	0.85 W/kg
1.930 1.544 1.158 0.772 0.386			

Figure 19: SAR Body Testing Results for the A2289 at 5690 MHz.

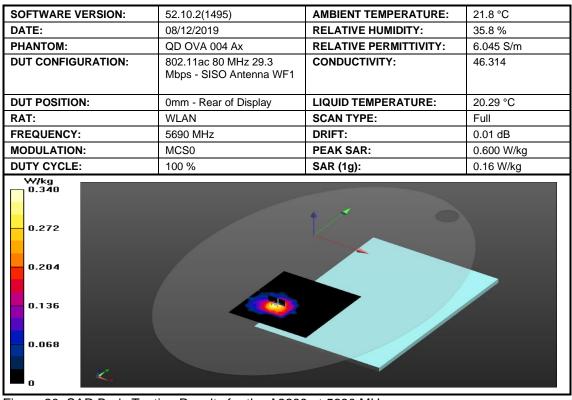


Figure 20: SAR Body Testing Results for the A2289 at 5690 MHz.



	== 10 0(110=)		24.2.2
SOFTWARE VERSION:	52.10.2(1495)	AMBIENT TEMPERATURE:	21.8 °C
DATE:	08/12/2019	RELATIVE HUMIDITY:	35.8 %
PHANTOM:	QD OVA 004 Ax	CONDUCTIVITY:	5.926 S/m
DUT CONFIGURATION:	802.11ac 80 MHz 29.3 Mbps - SISO Antenna WF1	RELATIVE PERMITTIVITY:	46.462
DUT POSITION:	0mm - Bottom	LIQUID TEMPERATURE:	20.29 °C
RAT:	WLAN	SCAN TYPE:	Full
FREQUENCY:	5610 MHz	DRIFT:	0.04 dB
MODULATION:	MCS0	PEAK SAR:	3.49 W/kg
DUTY CYCLE:	100 %	SAR (1g):	0.88 W/kg
1.608 1.206 0.804 0.402			

Figure 21: SAR Body Testing Results for the A2289 at 5610 MHz.

SOFTWARE VERSION:	52.10.2(1495)	AMBIENT TEMPERATURE:	21.8 °C
DATE:	08/12/2019	RELATIVE HUMIDITY:	35.8 %
PHANTOM:	QD OVA 004 Ax	CONDUCTIVITY:	5.808 S/m
DUT CONFIGURATION:	802.11ac 80 MHz 29.3 Mbps - SISO Antenna WF1	RELATIVE PERMITTIVITY:	46.614
DUT POSITION:	0mm - Bottom	LIQUID TEMPERATURE:	20.29 °C
RAT:	WLAN	SCAN TYPE:	Full
FREQUENCY:	5530 MHz	DRIFT:	0.00 dB
MODULATION:	MCS0	PEAK SAR:	2.92 W/kg
DUTY CYCLE:	100 %	SAR (1g):	0.77 W/kg
1.328 0.996 0.664 0.332			

Figure 22: SAR Body Testing Results for the A2289 at 5530 MHz.



SOFTWARE VERSION:	52.10.2(1495)	AMBIENT TEMPERATURE:	21.8 °C
DATE:	08/12/2019	RELATIVE HUMIDITY:	35.8 %
		_	
PHANTOM:	QD OVA 004 Ax	CONDUCTIVITY:	6.045 S/m
DUT CONFIGURATION:	802.11ac 80 MHz 29.3 Mbps - SISO Antenna WF2	RELATIVE PERMITTIVITY:	46.314
DUT POSITION:	0mm - Bottom	LIQUID TEMPERATURE:	20.29 °C
RAT:	WLAN	SCAN TYPE:	Full
FREQUENCY:	5690 MHz	DRIFT:	-0.07 dB
MODULATION:	MCS0	PEAK SAR:	1.95 W/kg
DUTY CYCLE:	100 %	SAR (1g):	0.47 W/kg
0.872			

Figure 23: SAR Body Testing Results for the A2289 at 5690 MHz.

SOFTWARE VERSION:	52.10.2(1495)	AMBIENT TEMPERATURE:	21.8 °C
PHANTOM:	QD OVA 004 Ax	CONDUCTIVITY:	6.045 S/m
DUT CONFIGURATION:	802.11ac 80 MHz 29.3 Mbps - SISO Antenna WF2	RELATIVE PERMITTIVITY:	46.314
DUT POSITION:	0mm - Rear of Display	LIQUID TEMPERATURE:	20.29 °C
RAT:	WLAN	SCAN TYPE:	Full
FREQUENCY:	5690 MHz	DRIFT:	-0.11 dB
MODULATION:	MCS0	PEAK SAR:	0.434 W/kg
DUTY CYCLE:	100 %	SAR (1g):	0.11 W/kg
0.184 0.138 0.092 0.046			

Figure 24: SAR Body Testing Results for the A2289 at 5690 MHz.



	== 40.0(4.40=)		21222
SOFTWARE VERSION:	52.10.2(1495)	AMBIENT TEMPERATURE:	21.8 °C
DATE:	08/12/2019	RELATIVE HUMIDITY:	35.8 %
PHANTOM:	QD OVA 004 Ax	CONDUCTIVITY:	5.926 S/m
DUT CONFIGURATION:	802.11ac 80 MHz 29.3 Mbps - SISO Antenna WF2	RELATIVE PERMITTIVITY:	46.462
DUT POSITION:	0mm - Bottom	LIQUID TEMPERATURE:	20.29 °C
RAT:	WLAN	SCAN TYPE:	Full
FREQUENCY:	5610 MHz	DRIFT:	0.02 dB
MODULATION:	MCS0	PEAK SAR:	2.26 W/kg
DUTY CYCLE:	100 %	SAR (1g):	0.58 W/kg
1.048 0.786 0.524 0.262			

Figure 25: SAR Body Testing Results for the A2289 at 5610 MHz.

SOFTWARE VERSION:	52.10.2(1495)	AMBIENT TEMPERATURE:	21.8 °C
PHANTOM:	QD OVA 004 Ax	CONDUCTIVITY:	5.808 S/m
DUT CONFIGURATION:	802.11ac 80 MHz 29.3 Mbps - SISO Antenna WF2	RELATIVE PERMITTIVITY:	46.614
DUT POSITION:	0mm - Bottom	LIQUID TEMPERATURE:	20.29 °C
RAT:	WLAN	SCAN TYPE:	Full
FREQUENCY:	5530 MHz	DRIFT:	-0.01 dB
MODULATION:	MCS0	PEAK SAR:	2.43 W/kg
DUTY CYCLE:	100 %	SAR (1g):	0.65 W/kg
0.864 0.576			

Figure 26: SAR Body Testing Results for the A2289 at 5530 MHz.



		I	[
SOFTWARE VERSION:	52.10.2(1495)	AMBIENT TEMPERATURE:	20.4 °C
DATE:	10/12/2019	RELATIVE HUMIDITY:	37.2 %
PHANTOM:	QD OVA 004 Ax	CONDUCTIVITY:	6.045 S/m
DUT CONFIGURATION:	802.11ac 80 MHz 29.3 Mbps - MIMO Antenna WF1 & WF1	RELATIVE PERMITTIVITY:	46.314
DUT POSITION:	0mm - Bottom	LIQUID TEMPERATURE:	21.2 °C
RAT:	WLAN	SCAN TYPE:	Full
FREQUENCY:	5690 MHz	DRIFT:	-0.14 dB
MODULATION:	MCS0	PEAK SAR:	2.63 W/kg
DUTY CYCLE:	100 %	SAR (1g):	0.62 W/kg
0.661 0.496 0.332			

Figure 27: SAR Body Testing Results for the A2289 at 5690 MHz.

SOFTWARE VERSION:	52.10.2(1495)	AMBIENT TEMPERATURE:	20.4 °C		
DATE:	10/12/2019	RELATIVE HUMIDITY:	37.2 %		
PHANTOM:	QD OVA 004 Ax	CONDUCTIVITY:	5.808 S/m		
DUT CONFIGURATION:	802.11ac 80 MHz 29.3 Mbps - MIMO Antenna WF1 & WF1	RELATIVE PERMITTIVITY:	46.614		
DUT POSITION:	0mm - Bottom	LIQUID TEMPERATURE:	21.2 °C		
RAT:	WLAN	SCAN TYPE:	Full		
FREQUENCY:	5530 MHz	DRIFT:	-0.07 dB		
MODULATION:	MCS0	PEAK SAR:	2.36 W/kg		
DUTY CYCLE:	100 %	SAR (1g):	0.57 W/kg		
0.952 0.714 0.476 0.238					

Figure 28: SAR Body Testing Results for the A2289 at 5530 MHz.



	1		ı
SOFTWARE VERSION:	52.10.2(1495)	AMBIENT TEMPERATURE:	20.4 °C
PHANTOM:	QD OVA 004 Ax	CONDUCTIVITY:	5.926 S/m
DUT CONFIGURATION:	802.11ac 80 MHz 29.3 Mbps - MIMO Antenna WF1 & WF1	RELATIVE PERMITTIVITY:	46.462
DUT POSITION:	0mm - Bottom	LIQUID TEMPERATURE:	21.2 °C
RAT:	WLAN	SCAN TYPE:	Full
FREQUENCY:	5610 MHz	DRIFT:	-0.14 dB
MODULATION:	MCS0	PEAK SAR:	2.79 W/kg
DUTY CYCLE:	100 %	SAR (1g):	0.67 W/kg
0.872 0.655 0.437 0.219			

Figure 29: SAR Body Testing Results for the A2289 at 5530 MHz.



#### 2.6 WLAN U-NII 3 BODY SAR TEST RESULTS

	T		T
SOFTWARE VERSION:	52.10.2(1495)	AMBIENT TEMPERATURE:	21.2 °C
DATE:	10/12/2019	RELATIVE HUMIDITY:	37.2 %
PHANTOM:	QD OVA 004 Ax	CONDUCTIVITY:	6.175 S/m
DUT CONFIGURATION:	802.11ac 80 MHz 29.3 Mbps - SISO Antenna WF1	RELATIVE PERMITTIVITY:	46.153
DUT POSITION:	0mm - Bottom	LIQUID TEMPERATURE:	20.3 °C
RAT:	WLAN	SCAN TYPE:	Full
FREQUENCY:	5775 MHz	DRIFT:	0.13 dB
MODULATION:	MCS0	PEAK SAR:	4.02 W/kg
DUTY CYCLE:	100 %	SAR (1g):	0.90 W/kg
2.240 1.793 1.345 0.898			

Figure 30: SAR Body Testing Results for the A2289 at 5775 MHz.

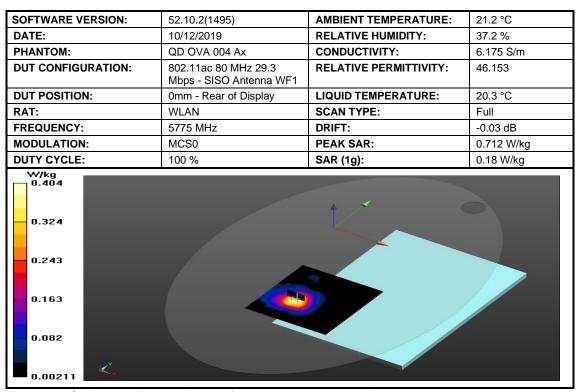


Figure 31: SAR Body Testing Results for the A2289 at 5775 MHz.



DATE:   10/12/2019   RELATIVE HUMIDITY:   37.2 %	COLTWADE VEDCIONS	EO 40 0(440E)	AMDIENT TEMPEDATURE	21.2 °C
PHANTOM:         QD OVA 004 Ax         CONDUCTIVITY:         6.175 S/m           DUT CONFIGURATION:         802.11ac 80 MHz 29.3 Mbps - SISO Antenna WF2         RELATIVE PERMITTIVITY:         46.153           DUT POSITION:         0mm - Bottom         LIQUID TEMPERATURE:         20.3 °C           RAT:         WLAN         SCAN TYPE:         Full           FREQUENCY:         5775 MHz         DRIFT:         -0.10 dB           MODULATION:         MCS0         PEAK SAR:         2.42 W/kg           DUTY CYCLE:         100 %         SAR (1g):         0.53 W/kg	SOFTWARE VERSION:	52.10.2(1495)	AMBIENT TEMPERATURE:	
DUT CONFIGURATION:         802.11ac 80 MHz 29.3 Mbps - SISO Antenna WF2         RELATIVE PERMITTIVITY:         46.153           DUT POSITION:         0mm - Bottom         LIQUID TEMPERATURE:         20.3 °C           RAT:         WLAN         SCAN TYPE:         Full           FREQUENCY:         5775 MHz         DRIFT:         -0.10 dB           MODULATION:         MCS0         PEAK SAR:         2.42 W/kg           DUTY CYCLE:         100 %         SAR (1g):         0.53 W/kg				
Mbps - SISO Antenna WF2	PHANTOM:	QD OVA 004 Ax	CONDUCTIVITY:	6.175 S/m
RAT: WLAN SCAN TYPE: Full FREQUENCY: 5775 MHz DRIFT: -0.10 dB MODULATION: MCS0 PEAK SAR: 2.42 W/kg DUTY CYCLE: 100 % SAR (1g): 0.53 W/kg  1.016 0.763	DUT CONFIGURATION:		RELATIVE PERMITTIVITY:	46.153
FREQUENCY: 5775 MHz DRIFT: -0.10 dB  MODULATION: MCS0 PEAK SAR: 2.42 W/kg  DUTY CYCLE: 100 % SAR (1g): 0.53 W/kg  1.270  1.016  0.763	DUT POSITION:	0mm - Bottom	LIQUID TEMPERATURE:	20.3 °C
MODULATION: MCS0 PEAK SAR: 2.42 W/kg DUTY CYCLE: 100 % SAR (1g): 0.53 W/kg  1.270  1.016  0.763	RAT:	WLAN	SCAN TYPE:	Full
DUTY CYCLE: 100 % SAR (1g): 0.53 W/kg  1.270  1.016  0.763	FREQUENCY:	5775 MHz	DRIFT:	-0.10 dB
1.016 0.763	MODULATION:	MCS0	PEAK SAR:	2.42 W/kg
1.016 0.763	DUTY CYCLE:	100 %	SAR (1g):	0.53 W/kg
0.255	1.270			

Figure 32: SAR Body Testing Results for the A2289 at 5775 MHz.

			24.2.22
SOFTWARE VERSION:	52.10.2(1495)	AMBIENT TEMPERATURE:	21.2 °C
DATE:	10/12/2019	RELATIVE HUMIDITY:	37.2 %
PHANTOM:	QD OVA 004 Ax	CONDUCTIVITY:	6.175 S/m
DUT CONFIGURATION:	802.11ac 80 MHz 29.3 Mbps - SISO Antenna WF2	RELATIVE PERMITTIVITY:	46.153
DUT POSITION:	0mm - Rear of Display	LIQUID TEMPERATURE:	20.3 °C
RAT:	WLAN	SCAN TYPE:	Full
FREQUENCY:	5775 MHz	DRIFT:	-0.13 dB
MODULATION:	MCS0	PEAK SAR:	0.483 W/kg
DUTY CYCLE:	100 %	SAR (1g):	0.12 W/kg
0.212 0.159 0.106 0.053			

Figure 33: SAR Body Testing Results for the A2289 at 5775 MHz.



SOFTWARE VERSION:	52.10.2(1495)	AMBIENT TEMPERATURE:	20.4 °C
PHANTOM:	QD OVA 004 Ax	CONDUCTIVITY:	6.175 S/m
DUT CONFIGURATION:	802.11ac 80 MHz 29.3 Mbps - MIMO Antenna WF1 & WF1	RELATIVE PERMITTIVITY:	46.153
DUT POSITION:	0mm - Bottom	LIQUID TEMPERATURE:	21.2 °C
RAT:	WLAN	SCAN TYPE:	Full
FREQUENCY:	5775 MHz	DRIFT:	-0.05 dB
MODULATION:	MCS0	PEAK SAR:	1.83 W/kg
DUTY CYCLE:	100 %	SAR (1g):	0.66 W/kg
0.990 0.792 0.594 0.396 0.198			

Figure 34: SAR Body Testing Results for the A2289 at 5775 MHz.



#### 2.7 MEASUREMENT VARIABILITY TESTS

COSTILIA DE VEDOLONI	50.40.0(4.405)	***************************************	00.000
SOFTWARE VERSION:	52.10.2(1495)	AMBIENT TEMPERATURE:	22.3 °C
DATE:	10/12/2019	RELATIVE HUMIDITY:	38.3 %
PHANTOM:	QD OVA 004 Ax	CONDUCTIVITY:	1.975 S/m
DUT CONFIGURATION:	802.1b 20 MHz 1 Mbps - SISO Antenna WF1	RELATIVE PERMITTIVITY:	52.249
DUT POSITION:	0mm - Bottom Edge	LIQUID TEMPERATURE:	22.5 °C
RAT:	WLAN	SCAN TYPE:	Full
FREQUENCY:	2462 MHz	DRIFT:	-0.15 dB
MODULATION:	1 Mbps	PEAK SAR:	2.53 W/kg
DUTY CYCLE:	100 %	SAR (1g):	1.00 W/kg
1.465 1.100 0.735 0.370			

Figure 35: SAR Body Testing Results for the A2289 at 2462 MHz.

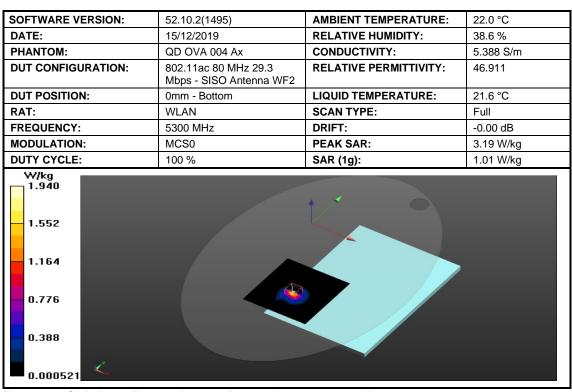


Figure 36: SAR Body Testing Results for the A2289 at 5300 MHz.



SOFTWARE VERSION:	52.10.2(1495)	AMBIENT TEMPERATURE:	22.0 °C
	` '		
DATE:	15/12/2019	RELATIVE HUMIDITY:	38.6 %
PHANTOM:	QD OVA 004 Ax	CONDUCTIVITY:	5.813 S/m
DUT CONFIGURATION:	802.11ac 80 MHz 29.3 Mbps - SISO Antenna WF1	RELATIVE PERMITTIVITY:	46.326
DUT POSITION:	0mm - Bottom	LIQUID TEMPERATURE:	21.6 °C
RAT:	WLAN	SCAN TYPE:	Full
FREQUENCY:	5610 MHz	DRIFT:	-0.09 dB
MODULATION:	MCS0	PEAK SAR:	3.42 W/kg
DUTY CYCLE:	100 %	SAR (1g):	0.86 W/kg
1.512 1.134 0.756 0.379			

Figure 37: SAR Body Testing Results for the A2289 at 5610 MHz.

SOFTWARE VERSION	E2 10 2(140E)	AMBIENT TEMPERATURE:	22.0 °C
SOFTWARE VERSION	, ,		
DATE:	15/12/2019	RELATIVE HUMIDITY:	38.6 %
PHANTOM:	QD OVA 004 Ax	CONDUCTIVITY:	6.048 S/m
DUT CONFIGURATION	802.11ac 80 MHz 29.3 Mbps - SISO Antenna WF1	RELATIVE PERMITTIVITY:	46.041
DUT POSITION:	0mm - Bottom Edge	LIQUID TEMPERATURE:	21.6 °C
RAT:	WLAN	SCAN TYPE:	Full
FREQUENCY:	5775 MHz	DRIFT:	-0.08 dB
MODULATION:	MCS0	PEAK SAR:	3.93 W/kg
DUTY CYCLE:	100 %	SAR (1g):	0.91 W/kg
1.704 1.278 0.852 0.426			

Figure 38: SAR Body Testing Results for the A2289 at 5775 MHz.



# **SECTION 3**

# **TEST EQUIPMENT USED**



# 3.1 TEST EQUIPMENT USED

The following test equipment was used at TÜV SÜD:

Instrument Description	Manufacturer	Model Type	TE Number	Cal Period (months)	Calibration Due Date
Thermometer	Digitron	T208	64	12	12-Jun-2020
Hygrometer	Rotronic	I-1000	3068	12	27-Jun-2020
Power Meter	Rohde & Schwarz	NRP	3491	12	11-Oct-2020
Wideband Power Sensor, 50MHz - 18GHz	Rohde & Schwarz	NRP-Z81	3492	12	11-Oct-2020
Attenuator (30dB, 25W)	Weinschel	46-30-34	2776	12	23-Jul-2020
Data Acquisition Electronics	Speag	DAE 4 - SD 000 D04 BN	5327	12	07-Jun-2020
Validation Dipole (5GHz)	Speag	D5GzV2	5328	12	07-Jun-2020
Validation Dipole (2450MHz)	Speag	D2450V2	5329	12	07-Jun-2020
Dosimetric SAR Probe	Speag	EX3DV4	5330	12	07-Jun-2020
Body Phantom	Speag	Oval Flat Phantom ELI v8.0	5333	-	TU
Device Holder	Speag	MD4HHTV5	5335	-	TU
Measurement server	Speag	DASY 6 Measurement Server	5337	-	TU
Robot	Staubli	TX90 XLRobot	5340	-	TU
RF power source	Speag	POWERSOURCE1-SE UMS 160 BA	5371	12	12-Sept-2020
MBBL Fluid	Speag	Batch 3	N/A	Weekly	27-Jan-2020

TU - Traceability Unscheduled



#### 3.2 TEST SOFTWARE

The following software was used to control the TÜV SÜD DASY Systems.

Instrument	Version Number
DASY system	52.10.2(1495)



#### 3.3 DIELECTRIC PROPERTIES OF SIMULANT LIQUIDS

The fluid properties of the simulant fluids used during routine SAR evaluation meet the dielectric properties required KDB 865665.

The dielectric properties of the tissue simulant liquids used for the SAR testing at TÜV SÜD are as follows:

Fluid Type and Frequency	Relative Permittivity Target (εr)	Relative Permittivity Measured (εr)	Conductivity Target (S/m)	Conductivity Measured (S/m)	Date	Fluid Temperature °C
MBBL @ 2450 MHz	52.70	52.27	1.95	1.96	05-12-19	22.0
MBBL @ 5200 MHz	49.01	47.29	5.30	5.33	05-12-19	22.0
MBBL @ 5300 MHz	48.88	47.02	5.41	5.52	05-12-19	22.0
MBBL @ 5500 MHz	48.61	47.67	5.65	5.76	05-12-19	22.0
MBBL @ 5600 MHz	48.47	46.48	5.77	5.91	05-12-19	22.0
MBBL @ 5800 MHz	48.20	46.10	6.00	6.21	05-12-19	22.0
MBBL @ 2450 MHz	52.70	52.08	1.95	2.03	12-12-19	20.1
MBBL @ 5200 MHz	49.01	47.11	5.30	5.25	12-12-19	20.1
MBBL @ 5300 MHz	48.88	46.91	5.41	5.39	12-12-19	20.1
MBBL @ 5500 MHz	48.61	46.52	5.65	5.66	12-12-19	20.1
MBBL @ 5600 MHz	48.47	46.34	5.77	5.80	12-12-19	20.1
MBBL @ 5800 MHz	48.20	45.99	6.00	6.08	12-12-19	20.1
MBBL @ 2450 MHz	52.70	53.06	1.95	2.10	09-01-20	22.4
MBBL @ 5200 MHz	49.01	48.05	5.30	5.19	09-01-20	22.4
MBBL @ 5300 MHz	48.88	47.85	5.41	5.33	09-01-20	22.4
MBBL @ 5500 MHz	48.61	47.46	5.65	5.60	09-01-20	22.4
MBBL @ 5600 MHz	48.47	47.27	5.77	5.74	09-01-20	22.4
MBBL @ 5800 MHz	48.20	46.91	6.00	6.00	09-01-20	22.4
MBBL @ 2450 MHz	52.70	53.08	1.95	2.04	23-01-20	21.0
MBBL @ 5200 MHz	49.01	48.07	5.30	5.43	23-01-20	21.0
MBBL @ 5300 MHz	48.88	47.86	5.41	5.57	23-01-20	21.0
MBBL @ 5500 MHz	48.61	47.45	5.65	5.86	23-01-20	21.0
MBBL @ 5600 MHz	48.47	47.26	5.77	6.01	23-01-20	21.0
MBBL @ 5800 MHz	48.20	46.88	6.00	6.31	23-01-20	21.0



#### 3.4 TEST CONDITIONS

#### 3.4.1 Test Laboratory Conditions

Ambient temperature: Within +15°C to +35°C.

The actual temperature during the testing ranged from 20.4°C to 23.2°C. The actual humidity during the testing ranged from 35.8% to 46.2% RH.

#### 3.4.2 Test Fluid Temperature Range

Frequency	Fluid Type	Min Temperature °C	Max Temperature °C
2402 - 2480 MHz	MBBL	20.3	21.6
5180 - 5320 MHz	MBBL	22.3	22.3
5500 - 5720 MHz	MBBL	20.3	21.6
5745 - 5825 MHz	MBBL	20.3	21.6

#### 3.4.3 SAR Drift

The SAR Drift was within acceptable limits during scans. The maximum SAR Drift was recorded as  $0.18 \ dB$ 



#### 3.5 MEASUREMENT UNCERTAINTY

Full SAR Measurements, 300 MHz to 3 GHz

Source of Uncertainty	Uncertainty ± %	Probability distribution	Div	с <sub>і</sub> (1g)	Standard Uncertainty ± % (1g)	V <sub>i (</sub> V <sub>eff)</sub>
Measurement System						
Probe calibration	6.0	N	1.00	1.00	6.0	Infinity
Axial Isotropy	4.7	R	1.73	0.70	1.9	Infinity
Hemispherical Isotropy	9.6	R	1.73	0.70	3.9	Infinity
Boundary effect	1.0	R	1.73	1.00	0.6	Infinity
Linearity	4.7	R	1.73	1.00	2.7	Infinity
System Detection limits	1.0	R	1.73	1.00	0.6	Infinity
Modulation response	2.4	R	1.73	1.00	1.4	Infinity
Readout electronics	0.3	N	1.00	1.00	0.3	Infinity
Response time	0.8	R	1.73	1.00	0.5	Infinity
Integration time	2.6	R	1.73	1.00	1.5	Infinity
RF ambient noise	3.0	R	1.73	1.00	1.7	Infinity
RF ambient reflections	3.0	R	1.73	1.00	1.7	Infinity
Probe positioner	0.4	R	1.73	1.00	0.2	Infinity
Probe positioning	2.9	R	1.73	1.00	1.7	Infinity
Max SAR Evaluation	2.0	R	1.73	1.00	1.2	Infinity
Test sample related						
Device Positioning	2.9	N	1.00	1.00	2.9	145
Device Holder	3.6	N	1.00	1.00	3.6	5
Input Power and SAR Drift	5.0	R	1.73	1.00	2.9	Infinity
Phantom and Setup						
Phantom uncertainty	6.1	R	1.73	1.00	3.5	Infinity
SAR Correction	1.9	R	1.73	1.00	1.1	Infinity
Liquid conductivity Meas.	2.5	R	1.73	0.78	1.1	Infinity
Liquid Permittivity Meas.	2.5	R	1.73	0.23	0.3	Infinity
Temp. Unc. Conductivity	3.4	R	1.73	0.78	1.5	Infinity
Temp. Unc. Permittivity	0.4	R	1.73	0.23	0.1	Infinity
Combined Standard Uncertain	ty	RSS			11.1	361
Expanded Standard Uncertain	K=2	<u>-</u>		22.2		



Full SAR Measurements, 3 GHz to 6 GHz

Source of Uncertainty	Uncertainty ± %	Probability distribution	Div	с <sub>і</sub> (1g)	Standard Uncertainty ± % (1g)	V <sub>i (</sub> V <sub>eff)</sub>
Measurement System						
Probe calibration	6.0	N	1.00	0.00	0.0	
Axial Isotropy	4.7	R	1.73	0.70	1.9	Infinity
Hemispherical Isotropy	9.6	R	1.73	0.70	3.9	Infinity
Boundary effect	1.0	R	1.73	1.00	0.6	Infinity
Linearity	4.7	R	1.73	1.00	2.7	Infinity
System Detection limits	1.0	R	1.73	1.00	0.6	Infinity
Modulation response	2.4	R	1.73	1.00	1.4	Infinity
Readout electronics	0.3	N	1.00	0.00	0.0	•
Response time	0.8	R	1.73	0.00	0.0	
Integration time	2.6	R	1.73	1.00	1.5	Infinity
RF ambient noise	3.0	R	1.73	1.00	1.7	Infinity
RF ambient reflections	3.0	R	1.73	0.00	0.0	
Probe positioner	0.4	R	1.73	1.00	0.2	Infinity
Probe positioning	2.9	R	1.73	1.00	1.7	Infinity
Spatial x-y-Resolution	10.0	R	1.73	1.00	5.8	Infinity
Fast SAR z-Approximation	7.0	R	1.73	1.00	4.0	Infinity
Test sample related						
Device Positioning	2.9	N	1.00	1.00	2.9	145
Device Holder	3.6	N	1.00	1.00	3.6	5
Input Power and SAR Drift	5.0	R	1.73	1.00	2.9	Infinity
Phantom and Setup						
Phantom uncertainty	6.1	R	1.73	1.00	3.5	Infinity
SAR Correction	1.9	R	1.73	0.00	0.0	-
Liquid conductivity Meas.	2.5	R	1.73	0.00	0.0	
Liquid Permittivity Meas. 2.5		R	1.73	0.00	0.0	
Temp. Unc. Conductivity	3.4	R	1.73	0.00	0.0	
Temp. Unc. Permittivity	0.4	R	1.73	0.00	0.0	
Combined Standard Uncertain	ty	RSS			12.2	
Expanded Standard Uncertain	ty	K=2			24.5	



#### **SECTION 5**

ACCREDITATION, DISCLAIMERS AND COPYRIGHT



#### 4.1 ACCREDITATION, DISCLAIMERS AND COPYRIGHT



This report relates only to the actual item/items tested.

Our UKAS Accreditation does not cover opinions and interpretations and any expressed are outside the scope of our UKAS Accreditation.

Results of tests not covered by our UKAS Accreditation Schedule are marked NUA (Not UKAS Accredited).

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# **ANNEX A**

# PROBE CALIBRATION REPORT



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

TüV SüD UK

Client





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

Certificate No: EX3-7536\_Jun19

#### CALIBRATION CERTIFICATE

Object EX3DV4 - SN:7536

Calibration procedure(s) QA CAL-01.v9, QA CAL-14.v5, QA CAL-23.v5, QA CAL-25.v7

Calibration procedure for dosimetric E-field probes

Calibration date: June 7, 2019

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

All calibrations have been conducted in the closed laboratory facility: environment temperature (22 ± 3)°C and humidity < 70%.

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID	Cal Date (Certificate No.)	Scheduled Calibration
Power meter NRP	SN: 104778	03-Apr-19 (No. 217-02892/02893)	Apr-20
Power sensor NRP-Z91	SN: 103244	03-Apr-19 (No. 217-02892)	Apr-20
Power sensor NRP-Z91	SN: 103245	03-Apr-19 (No. 217-02893)	Apr-20
Reference 20 dB Attenuator	SN: S5277 (20x)	04-Apr-19 (No. 217-02894)	Apr-20
DAE4	SN: 660	19-Dec-18 (No. DAE4-660_Dec18)	Dec-19
Reference Probe ES3DV2	SN: 3013	31-Dec-18 (No. ES3-3013_Dec18)	Dec-19
Secondary Standards	ID	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: GB41293874	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
Power sensor E4412A	SN: MY41498087	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
Power sensor E4412A	SN: 000110210	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
RF generator HP 8648C	SN: US3642U01700	04-Aug-99 (in house check Jun-18)	In house check: Jun-20
Network Analyzer E8358A	SN: US41080477	31-Mar-14 (in house check Oct-18)	In house check: Oct-19

Certificate No: EX3-7536\_Jun19

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# 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:

TSL tissue simulating liquid
NORMx,y,z sensitivity in free space
ConvF sensitivity in TSL / NORMx,y,z
DCP diode compression point

CF crest factor (1/duty\_cycle) of the RF signal A, B, C, D modulation dependent linearization parameters

Polarization  $\varphi$   $\varphi$  rotation around probe axis

Polarization 9 9 rotation around an axis that is in the plane normal to probe axis (at measurement center),

i.e., 9 = 0 is normal to probe axis

Connector Angle information used in DASY system to align probe sensor X to the robot coordinate system

#### Calibration is Performed According to the Following Standards:

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

#### Methods Applied and Interpretation of Parameters:

- NORMx,y,z: Assessed for E-field polarization 9 = 0 (f ≤ 900 MHz in TEM-cell; f > 1800 MHz: R22 waveguide).
   NORMx,y,z are only intermediate values, i.e., the uncertainties of NORMx,y,z does not affect the E²-field uncertainty inside TSL (see below ConvF).
- NORM(f)x,y,z = NORMx,y,z \* frequency\_response (see Frequency Response Chart). This linearization is
  implemented in DASY4 software versions later than 4.2. The uncertainty of the frequency response is included
  in the stated uncertainty of ConvF.
- DCPx,y,z: DCP are numerical linearization parameters assessed based on the data of power sweep with CW signal (no uncertainty required). DCP does not depend on frequency nor media.
- PAR: PAR is the Peak to Average Ratio that is not calibrated but determined based on the signal characteristics
- Ax,y,z; Bx,y,z; Cx,y,z; Dx,y,z; VRx,y,z: A, B, C, D are numerical linearization parameters assessed based on the data of power sweep for specific modulation signal. The parameters do not depend on frequency nor media. VR is the maximum calibration range expressed in RMS voltage across the diode.
- ConvF and Boundary Effect Parameters: Assessed in flat phantom using E-field (or Temperature Transfer Standard for f ≤ 800 MHz) and inside waveguide using analytical field distributions based on power measurements for f > 800 MHz. The same setups are used for assessment of the parameters applied for boundary compensation (alpha, depth) of which typical uncertainty values are given. These parameters are used in DASY4 software to improve probe accuracy close to the boundary. The sensitivity in TSL corresponds to NORMx,y,z \* ConvF whereby the uncertainty corresponds to that given for ConvF. A frequency dependent ConvF is used in DASY version 4.4 and higher which allows extending the validity from ± 50 MHz to ± 100 MHz.
- Spherical isotropy (3D deviation from isotropy): in a field of low gradients realized using a flat phantom exposed by a patch antenna.
- Sensor Offset: The sensor offset corresponds to the offset of virtual measurement center from the probe tip (on probe axis). No tolerance required.
- Connector Angle: The angle is assessed using the information gained by determining the NORMx (no uncertainty required).

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EX3DV4 - SN:7536 June 7, 2019

# DASY/EASY - Parameters of Probe: EX3DV4 - SN:7536

#### **Basic Calibration Parameters**

	Sensor X	Sensor Y	Sensor Z	Unc (k=2)
Norm (μV/(V/m) <sup>2</sup> ) <sup>A</sup>	0.55	0.61	0.65	± 10.1 %
DCP (mV) <sup>B</sup>	95.4	98.2	102.0	

Calibration Results for Modulation Response

UID	Communication System Name		A dB	B dBõV	С	D dB	VR mV	Max dev.	Max Unc <sup>E</sup> (k=2)
0	CW	X	0.00	0.00	1.00	0.00	172.6	±3.5 %	± 4.7 %
		Y	0.00	0.00	1.00	]	188.0		
		Z	0.00	0.00	1.00	]	193.1		
10352-	Pulse Waveform (200Hz, 10%)	X	15.00	89.69	20.89	10.00	60.0	± 3.9 %	± 9.6 %
AAA		Y	15.00	88.32	19.87	1	60.0		
		Z	15.00	89.29	20.40	]	60.0		
10353-	Pulse Waveform (200Hz, 20%)	X	15.00	92.02	21.04	6.99	80.0	± 2.2 %	± 9.6 %
AAA		Y	15.00	90.27	19.63	1	80.0		
		Z	15.00	91.91	20.79	1	80.0		
10354-	Pulse Waveform (200Hz, 40%)	X	15.00	97.33	22.29	3.98	95.0	± 1.1 %	± 9.6 %
AAA		Y	15.00	94.70	20.25	1	95.0		
		Z	15.00	96.95	21.96	1	95.0		
10355-	Pulse Waveform (200Hz, 60%)	X	15.00	105.37	24.66	2.22	120.0	± 1.1 %	±9.6%
AAA		Y	15.00	94.51	18.63	1	120.0		
		Z	15.00	103.12	23.50	]	120.0		
10387-	QPSK Waveform, 1 MHz	X	1.00	65.46	12.05	0.00	150.0	± 2.5 %	± 9.6 %
AAA		Y	0.59	60.00	7.77	]	150.0		
		Z	0.79	62.56	10.15		150.0		
10388-	QPSK Waveform, 10 MHz	X	2.56	70.23	16.97	0.00	150.0	± 1.2 %	± 9.6 %
AAA		Y	2.01	66.26	14.66	]	150.0		
		Z	2.31	68.43	15.94		150.0		
10396-	64-QAM Waveform, 100 kHz	X	3.26	71.76	19.45	3.01	150.0	± 1.3 %	± 9.6 %
AAA		Υ	2.54	67.60	17.57		150.0		
		Z	3.42	72.97	19.95	]	150.0		
10399-	64-QAM Waveform, 40 MHz	X	3.70	68.00	16.39	0.00	150.0	± 2.0 %	± 9.6 %
AAA		Υ	3.37	66.26	15.26	]	150.0		
		Z	3.57	67.31	15.90		150.0		
10414-	WLAN CCDF, 64-QAM, 40MHz	Х	5.06	66.10	15.93	0.00	150.0	± 4.0 %	± 9.6 %
AAA		Υ	4.77	65.17	15.29	]	150.0		
		Z	4.94	65.75	15.63	]	150.0		

Note: For details on UID parameters see Appendix

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

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A The uncertainties of Norm X,Y,Z do not affect the E²-field uncertainty inside TSL (see Pages 5 and 6).

Numerical linearization parameter: uncertainty not required.

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



EX3DV4- SN:7536 June 7, 2019

# DASY/EASY - Parameters of Probe: EX3DV4 - SN:7536

# **Sensor Model Parameters**

	C1 fF	C2 fF	α V <sup>-1</sup>	T1 ms.V <sup>-2</sup>	T2 ms.V <sup>-1</sup>	T3 ms	T4 V <sup>-2</sup>	T5 V <sup>-1</sup>	Т6
X	53.2	403.81	36.76	16.78	0.22	5.10	0.79	0.43	1.01
Y	45.6	350.95	37.32	11.58	0.16	5.10	0.00	0.45	1.01
Z	49.8	374.34	35.95	16.56	0.05	5.10	1.65	0.25	1.01

#### **Other Probe Parameters**

Sensor Arrangement	Triangular
Connector Angle (°)	74.1
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	10 mm
Tip Length	9 mm
Tip Diameter	2.5 mm
Probe Tip to Sensor X Calibration Point	1 mm
Probe Tip to Sensor Y Calibration Point	1 mm
Probe Tip to Sensor Z Calibration Point	1 mm
Recommended Measurement Distance from Surface	1.4 mm

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# DASY/EASY - Parameters of Probe: EX3DV4 - SN:7536

#### Calibration Parameter Determined in Head Tissue Simulating Media

<b>-</b>								
f (MHz) <sup>c</sup>	Relative Permittivity <sup>F</sup>	Conductivity (S/m) F	ConvF X	ConvF Y	ConvF Z	Alpha <sup>G</sup>	Depth <sup>G</sup> (mm)	Unc (k=2)
2450	39.2	1.80	7.98	7.98	7.98	0.34	0.86	± 12.0 %
5200	36.0	4.66	5.56	5.56	5.56	0.40	1.80	± 13.1 %
5300	35.9	4.76	5.41	5.41	5.41	0.40	1.80	± 13.1 %
5500	35.6	4.96	4.95	4.95	4.95	0.40	1.80	± 13.1 %
5600	35.5	5.07	4.80	4.80	4.80	0.40	1.80	± 13.1 %
5800	35.3	5.27	4.90	4.90	4.90	0.40	1.80	± 13.1 %

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

At frequencies below 3 GHz, the validity of tissue parameters (ε and σ) can be relaxed to ± 10% if liquid compensation formula is applied to

measured SAR values. At frequencies above 3 GHz, the validity of tissue parameters (ε and σ) is restricted to ± 5%. The uncertainty is the RSS of

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the ConvF uncertainty for indicated target tissue parameters.

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



June 7, 2019 EX3DV4-- SN:7536

# DASY/EASY - Parameters of Probe: EX3DV4 - SN:7536

#### Calibration Parameter Determined in Body Tissue Simulating Media

f (MHz) <sup>C</sup>	Relative Permittivity <sup>F</sup>	Conductivity (S/m) F	ConvF X	ConvF Y	ConvF Z	Alpha <sup>G</sup>	Depth <sup>G</sup> (mm)	Unc (k=2)
2450	52.7	1.95	7.89	7.89	7.89	0.36	0.87	± 12.0 %
5200	49.0	5.30	5.02	5.02	5.02	0.50	1.90	± 13.1 %
5300	48.9	5.42	4.83	4.83	4.83	0.50	1.90	± 13.1 %
5500	48.6	5.65	4.64	4.64	4.64	0.50	1.90	± 13.1 %
5600	48.5	5.77	4.47	4.47	4.47	0.50	1.90	± 13.1 %
5800	48.2	6.00	4.40	4.40	4.40	0.50	1.90	± 13.1 %

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

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

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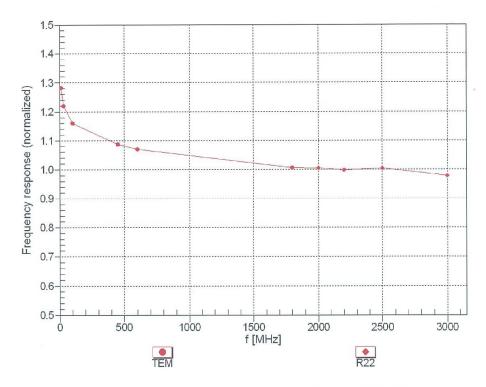
the ConvF uncertainty for indicated target tissue parameters.

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



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



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

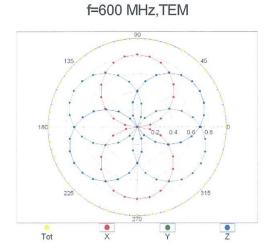
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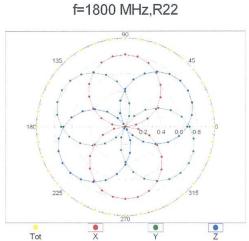
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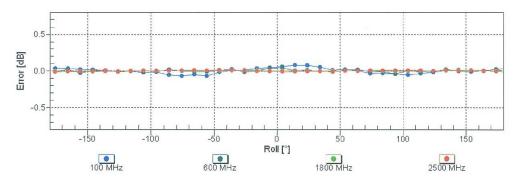


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# Receiving Pattern ( $\phi$ ), $\vartheta = 0^{\circ}$







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

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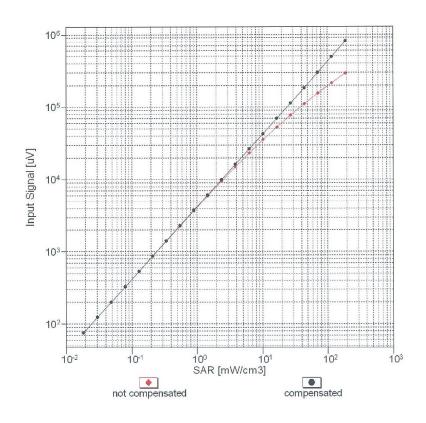
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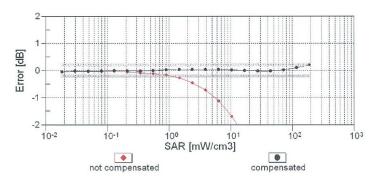


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# Dynamic Range f(SAR<sub>head</sub>) (TEM cell , f<sub>eval</sub>= 1900 MHz)





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

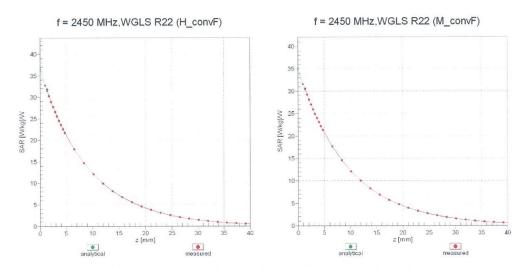
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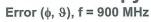


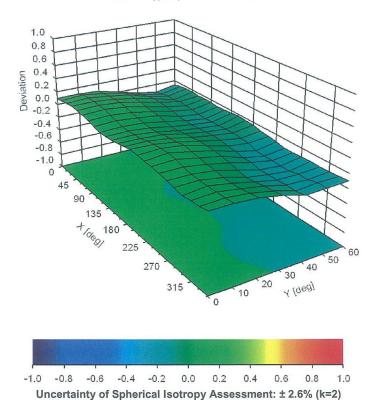
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# **Conversion Factor Assessment**



# **Deviation from Isotropy in Liquid**





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#### **Appendix: Modulation Calibration Parameters**

UID	Rev	Communication System Name	Group	PAR	Unc
	ļ	OW		(dB)	(k=2)
0		CW CONTRACTOR OF THE CONTRACTO	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 10024	DAC	GPRS-FDD (TDMA, GMSK, TN 0)	GSM	9.57	± 9.6 %
	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	GSM	6.56	± 9.6 %
10025 10026	DAC	EDGE-FDD (TDMA, 8PSK, TN 0) EDGE-FDD (TDMA, 8PSK, TN 0-1)	GSM	12.62	± 9.6 %
10026	DAC	GPRS-FDD (TDMA, 6PSK, 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	EDGE-FDD (TDMA, 8MSK, TN 0-1-2-3)	GSM GSM	3.55	±9.6 %
10029	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)		7.78	± 9.6 %
10030	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	Bluetooth Bluetooth	5.30 1.87	± 9.6 % ± 9.6 %
10031	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	Bluetooth	1.07	± 9.6 %
10032	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	Bluetooth	7.74	± 9.6 %
10033	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	Bluetooth	4.53	±9.6 %
10034	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	Bluetooth	3.83	
10035	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	Bluetooth	8.01	± 9.6 % ± 9.6 %
10030	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	Bluetooth	4.77	± 9.6 %
10037	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	Bluetooth	4.10	± 9.6 %
10030	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 %
10042	CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	AMPS	0.00	± 9.6 %
10048	CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	DECT	13.80	± 9.6 %
10049	CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	DECT	10.79	± 9.6 %
10056	CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	TD-SCDMA	11.01	± 9.6 %
10058	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	GSM	6.52	± 9.6 %
10059	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	WLAN	2.12	± 9.6 %
10060	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	WLAN	2.83	± 9.6 %
10061	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	WLAN	3.60	± 9.6 %
10062	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	WLAN	8.68	± 9.6 %
10063	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	WLAN	8.63	± 9.6 %
10064	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	WLAN	9.09	± 9.6 %
10065	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	WLAN	9.00	± 9.6 %
10066	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	WLAN	9.38	± 9.6 %
10067	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	WLAN	10.12	± 9.6 %
10068	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	WLAN	10.24	±9.6%
10069	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)	WLAN	10.56	± 9.6 %
10071	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	WLAN	9.83	± 9.6 %
10072	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	WLAN	9.62	± 9.6 %
10073	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)	WLAN	9.94	±9.6 %
10074	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	WLAN	10.30	± 9.6 %
10075	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	WLAN	10.77	± 9.6 %
10076	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	WLAN	10.94	± 9.6 %
10077	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	WLAN	11.00	± 9.6 %
10081	CAB	CDMA2000 (1xRTT, RC3)	CDMA2000	3.97	± 9.6 %
10082	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)	AMPS	4.77	± 9.6 %
10090	DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	GSM	6.56	± 9.6 %
10097	CAB	UMTS-FDD (HSDPA)	WCDMA	3.98	± 9.6 %
10098	CAB	UMTS-FDD (HSUPA, Subtest 2)	WCDMA	3.98	± 9.6 %
10099	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	GSM	9.55	± 9.6 %
10100	CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-FDD	5.67	± 9.6 %
10101	CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	± 9.6 %
10102	CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	± 9.6 %
10103	CAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-TDD	9.29	± 9.6 %
10104	CAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-TDD	9.97	± 9.6 %
10105	CAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-TDD	10.01	± 9.6 %
10108	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-FDD	5.80	± 9.6 %

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	1				
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 %
		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 (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-FDD	5.73	± 9.6 %
10143	CAE		LTE-FDD	6.35	± 9.6 %
10144	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)  LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-FDD	6.65	± 9.6 %
10145	CAF		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 %
		LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.72	± 9.6 %
10149 10150	CAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	± 9.6 %
10150	CAG	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 (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-TDD	9.28	± 9.6 %
10152	CAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)  LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-TDD	9.92	± 9.6 %
10153	CAG		LTE-TDD	10.05	± 9.6 %
	CAG	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-FDD	5.75	± 9.6 %
10155 10156	CAG	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM) LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-FDD	6.43	± 9.6 %
10156	CAG	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)  LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-FDD	5.79	± 9.6 %
10157	CAG	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)  LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-FDD	6.49	± 9.6 %
10159	CAG	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)		6.62	±9.6 %
10160	CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-FDD	6.56 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		± 9.6 %
10166	CAF	LTE-FDD (SC-FDMA, 50% RB, 13 MHz, QPSK)	LTE-FDD	6.58 5.46	± 9.6 %
10167	CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.21	± 9.6 %
10168	CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.79	± 9.6 %
10169	CAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10170	CAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-FDD	6.52	±9.6 %
10171	AAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-FDD	6.49	± 9.6 %
10172	CAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10173	CAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10174	CAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10175	CAG	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-FDD	5.72	± 9.6 %
10176	CAG	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10177	CAI	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10178	CAG	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10179	CAG	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10180	CAG	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10181	CAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-FDD	5.72	± 9.6 %
10182	CAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10183	AAD	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10184	CAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10185	CAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-FDD	6.51	± 9.6 %
10186	AAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10187	CAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10188	CAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10189	AAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10193	CAC	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	WLAN	8.09	± 9.6 %
10194	CAC	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	WLAN	8.12	± 9.6 %
10195	CAC	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	WLAN	8.21	± 9.6 %
10196	CAC	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	WLAN	8.10	± 9.6 %
10197	CAC	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	WLAN	8.13	± 9.6 %
10198	CAC	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	WLAN	8.27	± 9.6 %
10219	CAC	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	WLAN	8.03	± 9.6 %

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10220   CAG   IEEE 802.11n (HT Mixed, 423 Mbps, 16-OAM)	C 122 : :	1 =				
10222   CAC   IEEE 802.11n (HT Mixed, 15 Mpps, IB-CAM)	10220	CAC	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)			
10224   CAC   IEEE 802.11n (HT Mixed. 90 Mpps, 16-CAM)						
10224   CAC   IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)						
10225   CAB						
1022F   CAA						
10227   CAA   LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-CAM)   LTE-TDD   10.28   ±9.6 %   10229   CAC   LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-CAM)   LTE-TDD   9.48   ±9.6 %   10230   CAC   LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-CAM)   LTE-TDD   9.48   ±9.6 %   10231   CAC   LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-CAM)   LTE-TDD   9.48   ±9.6 %   10231   CAC   LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-CAM)   LTE-TDD   9.79   ±9.6 %   10232   CAC   LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-CAM)   LTE-TDD   9.79   ±9.6 %   10232   CAC   LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-CAM)   LTE-TDD   10.28   ±9.6 %   10233   CAF   LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-CAM)   LTE-TDD   10.29   ±9.6 %   10233   CAF   LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-CAM)   LTE-TDD   9.48   ±9.6 %   10233   CAF   LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-CAM)   LTE-TDD   9.48   ±9.6 %   10233   CAF   LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-CAM)   LTE-TDD   9.48   ±9.6 %   10233   CAF   LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-CAM)   LTE-TDD   9.48   ±9.6 %   10233   CAF   LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-CAM)   LTE-TDD   9.48   ±9.6 %   10233   CAF   LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-CAM)   LTE-TDD   9.48   ±9.6 %   10239   CAF   LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-CAM)   LTE-TDD   9.48   ±9.6 %   10239   CAF   LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-CAM)   LTE-TDD   9.21   ±9.6 %   10240   CAF   LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-CAM)   LTE-TDD   9.22   ±9.6 %   10240   CAF   LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-CAM)   LTE-TDD   9.21   ±9.6 %   10241   CAA   LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-CAM)   LTE-TDD   9.21   ±9.6 %   10244   CAA   LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-CAM)   LTE-TDD   9.21   ±9.6 %   10244   CAA   LTE-TDD (SC-FDMA, 5 MB, 1 MHz, 64-CAM)   LTE-TDD   9.36   ±9.6 %   10244   CAA   LTE-TDD (SC-FDMA, 50% RB, 1 MHz, 64-CAM)   LTE-TDD   9.36   ±9.6 %   10244   CAC   LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-CAM)   LTE-TDD   9.86   ±9.6 %   10244   CAC   LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-CAM)   LTE-TDD   9.90   9.90   9.90   9.90   9.90   9.90   9.90   9.90   9.90   9.90   9.90   9.90   9.90   9.90   9.						
10228   CAA						
10229   CAC   LTE-TDD   (SC-FDMA, 1 RR, 3 MHz, 46-QAM)   LTE-TDD   9.48   ± 9.6 %   10231   CAC   LTE-TDD   (SC-FDMA, 1 RR, 3 MHz, 40-QAM)   LTE-TDD   9.19   ± 9.6 %   10232   CAC   LTE-TDD   (SC-FDMA, 1 RR, 3 MHz, 40-QAM)   LTE-TDD   9.19   ± 9.6 %   10233   CAF   LTE-TDD   (SC-FDMA, 1 RR, 5 MHz, 1 GAM)   LTE-TDD   10.25   ± 9.6 %   10233   CAF   LTE-TDD   (SC-FDMA, 1 RR, 5 MHz, 64-QAM)   LTE-TDD   10.25   ± 9.6 %   10233   CAF   LTE-TDD   (SC-FDMA, 1 RR, 5 MHz, 64-QAM)   LTE-TDD   10.25   ± 9.6 %   10234   CAF   LTE-TDD   (SC-FDMA, 1 RR, 5 MHz, 64-QAM)   LTE-TDD   9.11   ± 9.6 %   10236   CAF   LTE-TDD   (SC-FDMA, 1 RR, 1 MHz, 4-QAM)   LTE-TDD   9.18   ± 9.6 %   10236   CAF   LTE-TDD   (SC-FDMA, 1 RR, 1 MHz, 4-QAM)   LTE-TDD   9.21   ± 9.6 %   10236   CAF   LTE-TDD   (SC-FDMA, 1 RR, 1 MHz, 4-QAM)   LTE-TDD   9.21   ± 9.6 %   10238   CAF   LTE-TDD   (SC-FDMA, 1 RR, 1 MHz, 4-QAM)   LTE-TDD   9.48   ± 9.6 %   10239   CAF   LTE-TDD   (SC-FDMA, 1 RR, 1 MHz, 4-QAM)   LTE-TDD   9.48   ± 9.6 %   10239   CAF   LTE-TDD   (SC-FDMA, 1 RR, 1 MHz, 4-QAM)   LTE-TDD   9.48   ± 9.6 %   10240   CAF   LTE-TDD   (SC-FDMA, 1 RR, 1 MHz, 4-QAM)   LTE-TDD   9.48   ± 9.6 %   10241   CAA   LTE-TDD   (SC-FDMA, 1 RR, 1 MHz, 4-QAM)   LTE-TDD   9.21   ± 9.6 %   10241   CAA   LTE-TDD   (SC-FDMA, 50% RR, 1.4 MHz, 64-QAM)   LTE-TDD   9.21   ± 9.6 %   10242   CAA   LTE-TDD   (SC-FDMA, 50% RR, 1.4 MHz, 64-QAM)   LTE-TDD   9.86   ± 9.6 %   10244   CAA   LTE-TDD   (SC-FDMA, 50% RR, 1.4 MHz, 64-QAM)   LTE-TDD   9.86   ± 9.6 %   10244   CAC   LTE-TDD   (SC-FDMA, 50% RR, 1.4 MHz, 64-QAM)   LTE-TDD   9.06   ± 9.6 %   10244   CAC   LTE-TDD   (SC-FDMA, 50% RR, 3 MHz, 64-QAM)   LTE-TDD   9.06   ± 9.6 %   10246   CAC   LTE-TDD   (SC-FDMA, 50% RR, 3 MHz, 64-QAM)   LTE-TDD   9.06   ± 9.6 %   10246   CAC   LTE-TDD   (SC-FDMA, 50% RR, 5 MHz, 64-QAM)   LTE-TDD   9.06   ± 9.6 %   10246   CAC   LTE-TDD   (SC-FDMA, 50% RR, 5 MHz, 64-QAM)   LTE-TDD   9.07   ± 9.6 %   10249   CAF   LTE-TDD   (SC-FDMA, 50% RR, 5 MHz, 64-QAM)   LTE-TDD   9.90   ± 9.6 %   10244						
10230   CAC   LTE-TDD   (SC-FDMA, 1 RB, 3 MHz, 64-QAM)						
10231   CAC   LTE-TDD   (SC-FDMA, 1 RB, 3 MHz, 1 G-QM)   LTE-TDD   9.19   ± 9.6 %   10232   CAF   LTE-TDD   (SC-FDMA, 1 RB, 5 MHz, 1 G-QM)   LTE-TDD   10.25   ± 9.6 %   10233   CAF   LTE-TDD   (SC-FDMA, 1 RB, 5 MHz, 1 G-QM)   LTE-TDD   10.25   ± 9.6 %   10236   CAF   LTE-TDD   (SC-FDMA, 1 RB, 5 MHz, 1 G-QAM)   LTE-TDD   9.21   ± 9.6 %   10236   CAF   LTE-TDD   (SC-FDMA, 1 RB, 5 MHz, 1 G-QAM)   LTE-TDD   9.21   ± 9.6 %   10236   CAF   LTE-TDD   (SC-FDMA, 1 RB, 10 MHz, 1 G-QAM)   LTE-TDD   10.25   ± 9.6 %   10236   CAF   LTE-TDD   (SC-FDMA, 1 RB, 10 MHz, 1 G-QAM)   LTE-TDD   10.25   ± 9.6 %   10237   CAF   LTE-TDD   (SC-FDMA, 1 RB, 10 MHz, 1 G-QAM)   LTE-TDD   10.25   ± 9.6 %   10238   CAF   LTE-TDD   (SC-FDMA, 1 RB, 10 MHz, 1 G-QAM)   LTE-TDD   9.48   ± 9.6 %   10239   CAF   LTE-TDD   (SC-FDMA, 1 RB, 15 MHz, 4 G-QAM)   LTE-TDD   9.48   ± 9.6 %   10240   CAF   LTE-TDD   (SC-FDMA, 1 RB, 15 MHz, 4 G-QAM)   LTE-TDD   9.48   ± 9.6 %   10240   CAF   LTE-TDD   (SC-FDMA, 1 RB, 15 MHz, 2 G-QAM)   LTE-TDD   9.21   ± 9.6 %   10242   CAA   LTE-TDD   (SC-FDMA, 50 % RB, 1.4 MHz, 16 QAM)   LTE-TDD   9.21   ± 9.6 %   10242   CAA   LTE-TDD   (SC-FDMA, 50 % RB, 1.4 MHz, 0 PSK)   LTE-TDD   9.26   ± 9.6 %   10244   CAC   LTE-TDD   (SC-FDMA, 50 % RB, 3 MHz, 1 CPSK)   LTE-TDD   9.86   ± 9.6 %   10244   CAC   LTE-TDD   (SC-FDMA, 50 % RB, 3 MHz, 0 PSK)   LTE-TDD   10.06   ± 9.6 %   10245   CAC   LTE-TDD   (SC-FDMA, 50 % RB, 3 MHz, 16-QAM)   LTE-TDD   10.06   ± 9.6 %   10246   CAC   LTE-TDD   (SC-FDMA, 50 % RB, 3 MHz, 16-QAM)   LTE-TDD   10.06   ± 9.6 %   10246   CAC   LTE-TDD   (SC-FDMA, 50 % RB, 5 MHz, 0 PSK)   LTE-TDD   10.06   ± 9.6 %   10246   CAC   LTE-TDD   (SC-FDMA, 50 % RB, 5 MHz, 0 PSK)   LTE-TDD   10.09   ± 9.6 %   10246   CAF   LTE-TDD   (SC-FDMA, 50 % RB, 5 MHz, 0 PSK)   LTE-TDD   9.90   ± 9.6 %   10246   CAF   LTE-TDD   (SC-FDMA, 50 % RB, 5 MHz, 0 PSK)   LTE-TDD   9.90   ± 9.6 %   10246   CAF   LTE-TDD   (SC-FDMA, 50 % RB, 5 MHz, 0 PSK)   LTE-TDD   9.90   ± 9.6 %   10246   CAF   LTE-TDD   (SC-FDMA, 50 % RB, 5 MHz, 0 PSK)			LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)			
10233   CAF   LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 40-CAM)   LTE-TDD   9.48   ± 9.6 %   10234   CAF   LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 40-CAM)   LTE-TDD   9.21   ± 9.6 %   10234   CAF   LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 10-CAM)   LTE-TDD   9.21   ± 9.6 %   10236   CAF   LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 10-CAM)   LTE-TDD   9.21   ± 9.6 %   10236   CAF   LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 10-CAM)   LTE-TDD   10.25   ± 9.6 %   10237   CAF   LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 10-CAM)   LTE-TDD   10.25   ± 9.6 %   10238   CAF   LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 10-CAM)   LTE-TDD   9.48   ± 9.6 %   10239   CAF   LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 40-CAM)   LTE-TDD   9.48   ± 9.6 %   10239   CAF   LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 40-CAM)   LTE-TDD   9.48   ± 9.6 %   10240   CAF   LTE-TDD (SC-FDMA, 10 RB, 15 MHz, 40-CAM)   LTE-TDD   9.21   ± 9.6 %   10241   CAA   LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-CAM)   LTE-TDD   9.21   ± 9.6 %   10242   CAA   LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-CAM)   LTE-TDD   9.32   ± 9.6 %   10243   CAA   LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 6-CAM)   LTE-TDD   9.46   ± 9.6 %   10244   CAA   LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 6-CAM)   LTE-TDD   9.46   ± 9.6 %   10244   CAA   LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 6-CAM)   LTE-TDD   9.46   ± 9.6 %   10244   CAA   LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 6-CAM)   LTE-TDD   9.46   ± 9.6 %   10244   CAA   LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 6-CAM)   LTE-TDD   9.46   ± 9.6 %   10244   CAC   LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 6-CAM)   LTE-TDD   10.66   ± 9.6 %   10244   CAC   LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 6-CAM)   LTE-TDD   10.66   ± 9.6 %   10245   CAC   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 6-CAM)   LTE-TDD   10.66   ± 9.6 %   10246   CAC   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 6-CAM)   LTE-TDD   10.09   ± 9.6 %   10246   CAC   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 6-CAM)   LTE-TDD   9.90   ± 9.6 %   10246   CAC   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 6-CAM)   LTE-TDD   9.90   ± 9.6 %   10246   CAC   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 6-CAM)   LTE-TDD   9.90   ± 9.6 %   10246   CAC   LTE-TDD (SC-FDMA, 50% R			LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)			
10234   CAF   LTE-TDD (SC-PDMA, 1 RB, 5 MHz, 64-CAM)			LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)			
10234   CAF   LTE-TDD   SC-FDMA, 1RB, 5 MHz, LFOAM)   LTE-TDD   9.48   ±9.6 %, 10236   CAF   LTE-TDD   SC-FDMA, 1RB, 10 MHz, LFOAM)   LTE-TDD   10.25   ±9.6 %, 10237   CAF   LTE-TDD   SC-FDMA, 1 RB, 10 MHz, GF-QAM)   LTE-TDD   10.25   ±9.6 %, 10237   CAF   LTE-TDD   SC-FDMA, 1 RB, 10 MHz, GP-SK)   LTE-TDD   9.21   ±9.6 %, 10238   CAF   LTE-TDD   SC-FDMA, 1 RB, 15 MHz, LF-QAM)   LTE-TDD   9.25   ±9.6 %, 10239   CAF   LTE-TDD   SC-FDMA, 1 RB, 15 MHz, LF-QAM)   LTE-TDD   10.25   ±9.6 %, 10239   CAF   LTE-TDD   SC-FDMA, 1 RB, 15 MHz, GF-QAM)   LTE-TDD   10.25   ±9.6 %, 10240   CAA   LTE-TDD   SC-FDMA, 1 RB, 15 MHz, QFSK)   LTE-TDD   10.25   ±9.6 %, 10241   CAA   LTE-TDD   SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)   LTE-TDD   9.21   ±9.6 %, 10242   CAA   LTE-TDD   SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)   LTE-TDD   9.86   ±9.6 %, 10243   CAA   LTE-TDD   SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)   LTE-TDD   9.86   ±9.6 %, 10243   CAA   LTE-TDD   SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)   LTE-TDD   9.86   ±9.6 %, 10244   CAC   LTE-TDD   SC-FDMA, 50% RB, 3 MHz, 64-QAM)   LTE-TDD   9.46   ±9.6 %, 10245   CAC   LTE-TDD   SC-FDMA, 50% RB, 3 MHz, 64-QAM)   LTE-TDD   9.46   ±9.6 %, 10246   CAC   LTE-TDD   SC-FDMA, 50% RB, 3 MHz, 64-QAM)   LTE-TDD   10.06   ±9.6 %, 10247   CAF   LTE-TDD   SC-FDMA, 50% RB, 3 MHz, 64-QAM)   LTE-TDD   9.91   ±9.6 %, 10249   CAF   LTE-TDD   SC-FDMA, 50% RB, 5 MHz, 64-QAM)   LTE-TDD   9.91   ±9.6 %, 10249   CAF   LTE-TDD   SC-FDMA, 50% RB, 5 MHz, 64-QAM)   LTE-TDD   9.91   ±9.6 %, 10249   CAF   LTE-TDD   SC-FDMA, 50% RB, 5 MHz, 64-QAM)   LTE-TDD   9.91   ±9.6 %, 10249   CAF   LTE-TDD   SC-FDMA, 50% RB, 5 MHz, 64-QAM)   LTE-TDD   9.91   ±9.6 %, 10249   CAF   LTE-TDD   SC-FDMA, 50% RB, 10 MHz, 0FSK)   LTE-TDD   9.91   ±9.6 %, 10249   CAF   LTE-TDD   SC-FDMA, 50% RB, 10 MHz, 0FSK)   LTE-TDD   9.92   ±9.6 %, 10250   CAF   LTE-TDD   SC-FDMA, 50% RB, 10 MHz, 0FSK)   LTE-TDD   9.90   ±9.6 %, 10250   CAF   LTE-TDD   SC-FDMA, 50% RB, 10 MHz, 0FSK)   LTE-TDD   9.90   ±9.6 %, 10250   CAF   LTE-TDD   SC-FDMA, 50% RB, 10 MHz, 0FSK)   L						
10235   CAF   LTE-TDD (SC-PDMA, 1 RB, 10 MHz, 16-QAM)						
10236   CAF   LTE-TDD (SC-PDMA, 1 RB, 10 MHz, GPSK)   LTE-TDD   10.25   ±9.6 %   10238   CAF   LTE-TDD (SC-PDMA, 1 RB, 10 MHz, GPSK)   LTE-TDD   9.21   ±9.6 %   10239   CAF   LTE-TDD (SC-PDMA, 1 RB, 15 MHz, 16-CAM)   LTE-TDD   9.48   ±9.6 %   10240   CAF   LTE-TDD (SC-PDMA, 1 RB, 15 MHz, G4-CAM)   LTE-TDD   10.25   ±9.6 %   10240   CAF   LTE-TDD (SC-PDMA, 1 RB, 15 MHz, G4-CAM)   LTE-TDD   9.21   ±9.6 %   10241   CAA   LTE-TDD (SC-PDMA, 1 RB, 15 MHz, GFSK)   LTE-TDD   9.21   ±9.6 %   10242   CAA   LTE-TDD (SC-PDMA, 50% RB, 1.4 MHz, 64-CAM)   LTE-TDD   9.86   ±9.6 %   10243   CAA   LTE-TDD (SC-PDMA, 50% RB, 1.4 MHz, 64-CAM)   LTE-TDD   9.86   ±9.6 %   10243   CAA   LTE-TDD (SC-PDMA, 50% RB, 1.4 MHz, 64-CAM)   LTE-TDD   9.86   ±9.6 %   10244   CAA   LTE-TDD (SC-PDMA, 50% RB, 1 MHz, 64-CAM)   LTE-TDD   9.86   ±9.6 %   10245   CAC   LTE-TDD (SC-PDMA, 50% RB, 3 MHz, 64-CAM)   LTE-TDD   9.46   ±9.6 %   10246   CAC   LTE-TDD (SC-PDMA, 50% RB, 3 MHz, GPSK)   LTE-TDD   10.06   ±9.6 %   10246   CAC   LTE-TDD (SC-PDMA, 50% RB, 5 MHz, GPSK)   LTE-TDD   9.30   ±9.6 %   10247   CAF   LTE-TDD (SC-PDMA, 50% RB, 5 MHz, GPSK)   LTE-TDD   9.91   ±9.6 %   10249   CAF   LTE-TDD (SC-PDMA, 50% RB, 5 MHz, GPSK)   LTE-TDD   9.92   ±9.6 %   10249   CAF   LTE-TDD (SC-PDMA, 50% RB, 5 MHz, GPSK)   LTE-TDD   10.06   ±9.6 %   10249   CAF   LTE-TDD (SC-PDMA, 50% RB, 5 MHz, GPSK)   LTE-TDD   10.07   ±9.6 %   10250   CAF   LTE-TDD (SC-PDMA, 50% RB, 10 MHz, GPSK)   LTE-TDD   10.17   ±9.6 %   10250   CAF   LTE-TDD (SC-PDMA, 50% RB, 10 MHz, GPSK)   LTE-TDD   10.17   ±9.6 %   10250   CAF   LTE-TDD (SC-PDMA, 50% RB, 10 MHz, GPSK)   LTE-TDD   10.17   ±9.6 %   10250   CAF   LTE-TDD (SC-PDMA, 50% RB, 10 MHz, GPSK)   LTE-TDD   10.17   ±9.6 %   10250   CAF   LTE-TDD (SC-PDMA, 50% RB, 10 MHz, GPSK)   LTE-TDD   10.17   ±9.6 %   10250   CAF   LTE-TDD (SC-PDMA, 50% RB, 10 MHz, GPSK)   LTE-TDD   10.17   ±9.6 %   10250   CAF   LTE-TDD (SC-PDMA, 50% RB, 10 MHz, GPSK)   LTE-TDD   9.20   ±9.6 %   10250   CAF   LTE-TDD (SC-PDMA, 50% RB, 10 MHz, GPSK)   LTE-TDD						
10237   CAF   LTE-TDD (SC-FDMA, 1 RB, 15 MHz, GPSK)   LTE-TDD   9.41 ± 9.6 %   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, GPSK)   LTE-TDD   10.25 ± 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, 14 MHz, 16-QAM)   LTE-TDD   9.82 ± 9.6 %   10242   CAA   LTE-TDD (SC-FDMA, 50% RB, 14 MHz, 16-QAM)   LTE-TDD   9.82 ± 9.6 %   10242   CAA   LTE-TDD (SC-FDMA, 50% RB, 14 MHz, 64-QAM)   LTE-TDD   9.86 ± 9.6 %   10243   CAA   LTE-TDD (SC-FDMA, 50% RB, 14 MHz, 64-QAM)   LTE-TDD   9.46 ± 9.6 %   10244   CAC   LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)   LTE-TDD   9.46 ± 9.6 %   10244   CAC   LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)   LTE-TDD   10.06 ± 9.6 %   10246   CAC   LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)   LTE-TDD   10.06 ± 9.6 %   10247   CAF   LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)   LTE-TDD   10.06 ± 9.6 %   10247   CAF   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)   LTE-TDD   9.30 ± 9.6 %   10249   CAF   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)   LTE-TDD   9.30 ± 9.6 %   10249   CAF   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)   LTE-TDD   9.91 ± 9.6 %   10249   CAF   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)   LTE-TDD   9.92 ± 9.6 %   10250   CAF   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, GA-QAM)   LTE-TDD   9.92 ± 9.6 %   10250   CAF   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, GA-QAM)   LTE-TDD   9.81 ± 9.6 %   10250   CAF   LTE-TDD (SC-FDMA, 50% RB, 16 MHz, 16-QAM)   LTE-TDD   9.81 ± 9.6 %   10250   CAF   LTE-TDD (SC-FDMA, 50% RB, 16 MHz, 16-QAM)   LTE-TDD   9.81 ± 9.6 %   10250   CAF   LTE-TDD (SC-FDMA, 50% RB, 16 MHz, 16-QAM)   LTE-TDD   9.20 ± 9.6 %   10250   CAF   LTE-TDD (SC-FDMA, 50% RB, 16 MHz, 16-QAM)   LTE-TDD   9.21 ± 9.6 %   10250   CAF   LTE-TDD (SC-FDMA, 50% RB, 16 MHz, 64-QAM)   LTE-TDD   9.20 ± 9.6 %   10250   CAF   LTE-TDD (SC-FDMA, 50% RB, 16 MHz, 64-QAM)   LTE-TDD   9.20 ± 9.6 %   10250   CAF   LTE-TDD (SC-FDMA, 100% RB, 16 MHz, 64-QAM)   LTE-TDD   9.9						
10238						
10239   CAF   LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)						
102240   CAF   LTE-TDD (SC-FDMA, 1 RB, 15 MHz, CPSK)   LTE-TDD   9,21   ±9,6 %   10242   CAA   LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)   LTE-TDD   9,86   ±9,6 %   10243   CAA   LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)   LTE-TDD   9,86   ±9,6 %   10243   CAA   LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)   LTE-TDD   9,86   ±9,6 %   10244   CAC   LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, GPSK)   LTE-TDD   10,06   ±9,6 %   10245   CAC   LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)   LTE-TDD   10,06   ±9,6 %   10245   CAC   LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)   LTE-TDD   10,06   ±9,6 %   10246   CAC   LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)   LTE-TDD   9,30   ±9,6 %   10247   CAF   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)   LTE-TDD   9,30   ±9,6 %   10249   CAF   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)   LTE-TDD   9,91   ±9,6 %   10249   CAF   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)   LTE-TDD   9,91   ±9,6 %   10250   CAF   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)   LTE-TDD   9,29   ±9,6 %   10250   CAF   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)   LTE-TDD   9,29   ±9,6 %   10250   CAF   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)   LTE-TDD   9,29   ±9,6 %   10250   CAF   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)   LTE-TDD   10,17   ±9,6 %   10251   CAF   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)   LTE-TDD   10,17   ±9,6 %   10255   CAF   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)   LTE-TDD   10,17   ±9,6 %   10255   CAF   LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)   LTE-TDD   9,20   ±9,6 %   10255   CAF   LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)   LTE-TDD   9,20   ±9,6 %   10255   CAA   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, 64-QAM)   LTE-TDD   9,90   ±9,6 %   10255   CAA   LTE-TDD (SC-FDMA, 100% RB, 14 MHz, 64-QAM)   LTE-TDD   9,90   ±9,6 %   10256   CAA   LTE-TDD (SC-FDMA, 100% RB, 16 MHz, 64-QAM)   LTE-TDD   9,90   ±9,6 %   10256   CAA   LTE-TDD (SC-FDMA, 100% RB, 16 MHz, 64-QAM)   LTE-TDD   9,90   ±9,6 %   10256   CAA   LTE-TDD (SC-FD						
10241   CAA   LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)						
10242					~~~~	
10243						
10244						
10245						
10246   CAC   LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)   LTE-TDD   9.30   ± 9.6 %   10247   CAF   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)   LTE-TDD   10.09   ± 9.6 %   10249   CAF   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)   LTE-TDD   10.09   ± 9.6 %   10249   CAF   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)   LTE-TDD   9.29   ± 9.6 %   10250   CAF   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)   LTE-TDD   9.29   ± 9.6 %   10251   CAF   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)   LTE-TDD   9.21   ± 9.6 %   10252   CAF   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, GPSK)   LTE-TDD   10.17   ± 9.6 %   10252   CAF   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, GPSK)   LTE-TDD   9.24   ± 9.6 %   10253   CAF   LTE-TDD (SC-FDMA, 50% RB, 15 MHz, GPSK)   LTE-TDD   9.24   ± 9.6 %   10254   CAF   LTE-TDD (SC-FDMA, 50% RB, 15 MHz, GPSK)   LTE-TDD   9.90   ± 9.6 %   10255   CAF   LTE-TDD (SC-FDMA, 50% RB, 15 MHz, GPSK)   LTE-TDD   9.90   ± 9.6 %   10255   CAF   LTE-TDD (SC-FDMA, 50% RB, 15 MHz, GPSK)   LTE-TDD   10.14   ± 9.6 %   10255   CAF   LTE-TDD (SC-FDMA, 50% RB, 15 MHz, GPSK)   LTE-TDD   9.90   ± 9.6 %   10256   CAA   LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)   LTE-TDD   9.20   ± 9.6 %   10257   CAA   LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, G4-QAM)   LTE-TDD   9.96   ± 9.6 %   10259   CAC   LTE-TDD (SC-FDMA, 100% RB, 3 MHz, GPSK)   LTE-TDD   9.98   ± 9.6 %   10259   CAC   LTE-TDD (SC-FDMA, 100% RB, 3 MHz, GPSK)   LTE-TDD   9.98   ± 9.6 %   10259   CAC   LTE-TDD (SC-FDMA, 100% RB, 3 MHz, GPSK)   LTE-TDD   9.99   ± 9.6 %   10250   CAC   LTE-TDD (SC-FDMA, 100% RB, 3 MHz, GPSK)   LTE-TDD   9.99   ± 9.6 %   10260   CAC   LTE-TDD (SC-FDMA, 100% RB, 3 MHz, GPSK)   LTE-TDD   9.93   ± 9.6 %   10261   CAC   LTE-TDD (SC-FDMA, 100% RB, 3 MHz, GPSK)   LTE-TDD   9.24   ± 9.6 %   10262   CAF   LTE-TDD (SC-FDMA, 100% RB, 5 MHz, GPSK)   LTE-TDD   9.23   ± 9.6 %   10265   CAF   LTE-TDD (SC-FDMA, 100% RB, 5 MHz, GPSK)   LTE-TDD   9.23   ± 9.6 %   10265   CAF   LTE-TDD (SC-FDMA, 100% RB, 5 MHz, GPSK)   LTE-TDD   9.20   ± 9.6 %   10266   CAF   LTE-TDD (SC-FDMA, 100%						
10247   CAF						
10248   CAF						
10249   CAF			LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)			
10250   CAF						
10251   CAF						
10252   CAF						
10253						
10254   CAF						
10255   CAF						
10256						
10257						
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, QPSK)   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   10.16   ± 9.6 %   10265   CAF   LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)   LTE-TDD   9.22   ± 9.6 %   10266   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, QPSK)   LTE-TDD   9.92   ± 9.6 %   10267   CAF   LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)   LTE-TDD   9.92   ± 9.6 %   10268   CAF   LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)   LTE-TDD   9.30   ± 9.6 %   10269   CAF   LTE-TDD (SC-FDMA, 100% RB, 15 MHz, GA-QAM)   LTE-TDD   10.07   ± 9.6 %   10269   CAF   LTE-TDD (SC-FDMA, 100% RB, 15 MHz, GA-QAM)   LTE-TDD   10.13   ± 9.6 %   10270   CAF   LTE-TDD (SC-FDMA, 100% RB, 15 MHz, GA-QAM)   LTE-TDD   10.13   ± 9.6 %   10270   CAF   LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)   LTE-TDD   9.58   ± 9.6 %   10272   CAB   UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)   WCDMA   4.87   ± 9.6 %   10273   CAA   PHS (QPSK)   Subtest 5, 3GPP Rel8.10)   WCDMA   3.96   ± 9.6 %   10273   CAA   PHS (QPSK, BW 884MHz, Rolloff 0.5)   PHS   11.81   ± 9.6 %   10279   CAA   PHS (QPSK, BW 884MHz, Rolloff 0.5)   PHS   11.81   ± 9.6 %   10292   AAB   CDMA2000, RC3, SO55, Full Rate   CDMA2000   3.91   ± 9.6 %   10292   AAB   CDMA2000, RC3, SO55, Full Rate   CDMA2000   3.50   ± 9.6 %   10292   AAB   CDMA2000, RC3, SO35, Full Rate   CDMA2000   3.50   ± 9.6 %   10295   AAB   CDMA2000, RC3, SO55, Full Rate   CDMA2000   12.49   ± 9.6 %   10298   AAD   LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)   LTE-FDD   5.72   ±						
10259						
10260						
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         10.16         ± 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         9.92         ± 9.6 %           10267         CAF         LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)         LTE-TDD         9.30         ± 9.6 %           10267         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         9.06         ± 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 R						
10262         CAF         LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QÁM)         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, 15 MHz, GPSK)         LTE-TDD         9.30         ± 9.6 %           10268         CAF         LTE-TDD (SC-FDMA, 100% RB, 15 MHz, GPSK)         LTE-TDD         9.06         ± 9.6 %           10269         CAF         LTE-TDD (SC-FDMA, 100% RB, 15 MHz, GPSK)         LTE-TDD         9.06         ± 9.6 %           10270         CAF         LTE-TDD (SC-FDMA, 100% RB, 15 MHz, GPSK)         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						
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, 64-QAM)         LTE-TDD         10.07         ± 9.6 %           10268         CAF         LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)         LTE-TDD         10.06         ± 9.6 %           10269         CAF         LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)         LTE-TDD         10.13         ± 9.6 %           10270         CAF         LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)         LTE-TDD         9.58         ± 9.6 %           10274         CAB         LMTS-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, BW 884MHz, Rolloff 0.5) <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
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, 64-QAM)         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, 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-FDC (HSUPA, Subtest 5, 3GPP Rel8.10)         WCDMA         4.87         ± 9.6 %           10275         CAB         UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)         WCDMA         4.87         ± 9.6 %           10277         CAA         PHS (QPSK)         PHS         11.81         ± 9.6 %           10278         CAA         PHS (QPSK, BW 884MHz, Rolloff 0.5)         PHS <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td></td<>						
10265         CAF         LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)         LTE-TDD         9.92         ± 9.6 %           10266         CAF         LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)         LTE-TDD         10.07         ± 9.6 %           10267         CAF         LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)         LTE-TDD         9.30         ± 9.6 %           10268         CAF         LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)         LTE-TDD         10.06         ± 9.6 %           10269         CAF         LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)         LTE-TDD         10.13         ± 9.6 %           10270         CAF         LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)         LTE-TDD         9.58         ± 9.6 %           10274         CAB         UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)         WCDMA         4.87         ± 9.6 %           10275         CAB         UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)         WCDMA         3.96         ± 9.6 %           10277         CAA         PHS (QPSK)         PHS         11.81         ± 9.6 %           10278         CAA         PHS (QPSK)         PHS         11.81         ± 9.6 %           10279         CAA         PHS (QPSK, BW 884MHz, Rolloff 0.5)         PHS         11.81         ± 9.6 % <td></td> <td></td> <td>LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)</td> <td></td> <td></td> <td></td>			LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)			
10266   CAF						
10267         CAF         LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)         LTE-TDD         9.30         ± 9.6 %           10268         CAF         LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)         LTE-TDD         10.06         ± 9.6 %           10269         CAF         LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)         LTE-TDD         10.13         ± 9.6 %           10270         CAF         LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)         LTE-TDD         10.13         ± 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 0.38)         PHS         11.81         ± 9.6 %           10279         CAA         PHS (QPSK, BW 884MHz, Rolloff 0.38)         PHS         11.81         ± 9.6 %           10291         AAB         CDMA2000, RC1, SO55, Full Rate         CDMA2000         3.91         ± 9.6 %           10292         AAB         CDMA2000, RC3, SO35, Full Rate         CDMA2000         3.39         ± 9.6 %						
10268         CAF         LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)         LTE-TDD         10.06         ± 9.6 %           10269         CAF         LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)         LTE-TDD         10.13         ± 9.6 %           10270         CAF         LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)         LTE-TDD         9.58         ± 9.6 %           10274         CAB         UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)         WCDMA         4.87         ± 9.6 %           10275         CAB         UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)         WCDMA         3.96         ± 9.6 %           10277         CAA         PHS (QPSK)         PHS         11.81         ± 9.6 %           10278         CAA         PHS (QPSK, BW 884MHz, Rolloff 0.5)         PHS         11.81         ± 9.6 %           10279         CAA         PHS (QPSK, BW 884MHz, Rolloff 0.38)         PHS         12.18         ± 9.6 %           10290         AAB         CDMA2000, RC1, SO55, Full Rate         CDMA2000         3.91         ± 9.6 %           10291         AAB         CDMA2000, RC3, SO55, Full Rate         CDMA2000         3.46         ± 9.6 %           10292         AAB         CDMA2000, RC3, SO3, Full Rate         CDMA2000         3.39         ± 9.6 % </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
10269         CAF         LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)         LTE-TDD         10.13         ± 9.6 %           10270         CAF         LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)         LTE-TDD         9.58         ± 9.6 %           10274         CAB         UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)         WCDMA         4.87         ± 9.6 %           10275         CAB         UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)         WCDMA         3.96         ± 9.6 %           10277         CAA         PHS (QPSK)         PHS         11.81         ± 9.6 %           10278         CAA         PHS (QPSK, BW 884MHz, Rolloff 0.5)         PHS         11.81         ± 9.6 %           10279         CAA         PHS (QPSK, BW 884MHz, Rolloff 0.38)         PHS         12.18         ± 9.6 %           10290         AAB         CDMA2000, RC1, SO55, Full Rate         CDMA2000         3.91         ± 9.6 %           10291         AAB         CDMA2000, RC3, SO35, Full Rate         CDMA2000         3.46         ± 9.6 %           10292         AAB         CDMA2000, RC3, SO35, Full Rate         CDMA2000         3.39         ± 9.6 %           10293         AAB         CDMA2000, RC3, SO3, Full Rate         CDMA2000         3.50         ± 9.6 %						
10270         CAF         LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)         LTE-TDD         9.58         ± 9.6 %           10274         CAB         UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)         WCDMA         4.87         ± 9.6 %           10275         CAB         UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)         WCDMA         3.96         ± 9.6 %           10277         CAA         PHS (QPSK)         PHS         11.81         ± 9.6 %           10278         CAA         PHS (QPSK, BW 884MHz, Rolloff 0.5)         PHS         11.81         ± 9.6 %           10279         CAA         PHS (QPSK, BW 884MHz, Rolloff 0.38)         PHS         12.18         ± 9.6 %           10290         AAB         CDMA2000, RC1, SO55, Full Rate         CDMA2000         3.91         ± 9.6 %           10291         AAB         CDMA2000, RC3, SO55, Full Rate         CDMA2000         3.46         ± 9.6 %           10292         AAB         CDMA2000, RC3, SO32, Full Rate         CDMA2000         3.39         ± 9.6 %           10293         AAB         CDMA2000, RC3, SO3, Full Rate         CDMA2000         3.50         ± 9.6 %           10295         AAB         CDMA2000, RC1, SO3, 1/8th Rate 25 fr.         CDMA2000         12.49         ± 9.6 %						
10274         CAB         UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)         WCDMA         4.87         ± 9.6 %           10275         CAB         UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)         WCDMA         3.96         ± 9.6 %           10277         CAA         PHS (QPSK)         PHS         11.81         ± 9.6 %           10278         CAA         PHS (QPSK, BW 884MHz, Rolloff 0.5)         PHS         11.81         ± 9.6 %           10279         CAA         PHS (QPSK, BW 884MHz, Rolloff 0.38)         PHS         12.18         ± 9.6 %           10290         AAB         CDMA2000, RC1, SO55, Full Rate         CDMA2000         3.91         ± 9.6 %           10291         AAB         CDMA2000, RC3, SO55, Full Rate         CDMA2000         3.46         ± 9.6 %           10292         AAB         CDMA2000, RC3, SO35, 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         5.72         ± 9.6 %						
10275         CAB         UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)         WCDMA         3.96         ± 9.6 %           10277         CAA         PHS (QPSK)         PHS         11.81         ± 9.6 %           10278         CAA         PHS (QPSK, BW 884MHz, Rolloff 0.5)         PHS         11.81         ± 9.6 %           10279         CAA         PHS (QPSK, BW 884MHz, Rolloff 0.38)         PHS         12.18         ± 9.6 %           10290         AAB         CDMA2000, RC1, SO55, Full Rate         CDMA2000         3.91         ± 9.6 %           10291         AAB         CDMA2000, RC3, SO55, Full Rate         CDMA2000         3.46         ± 9.6 %           10292         AAB         CDMA2000, RC3, SO32, Full Rate         CDMA2000         3.39         ± 9.6 %           10293         AAB         CDMA2000, RC3, SO3, Full Rate         CDMA2000         3.50         ± 9.6 %           10295         AAB         CDMA2000, RC1, SO3, 1/8th Rate 25 fr.         CDMA2000         12.49         ± 9.6 %           10297         AAD         LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)         LTE-FDD         5.72         ± 9.6 %           10298         AAD         LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)         LTE-FDD         5.72         ± 9.6 %						
10277         CAA         PHS (QPSK)         PHS         11.81         ±9.6 %           10278         CAA         PHS (QPSK, BW 884MHz, Rolloff 0.5)         PHS         11.81         ±9.6 %           10279         CAA         PHS (QPSK, BW 884MHz, Rolloff 0.38)         PHS         12.18         ±9.6 %           10290         AAB         CDMA2000, RC1, SO55, Full Rate         CDMA2000         3.91         ±9.6 %           10291         AAB         CDMA2000, RC3, SO55, Full Rate         CDMA2000         3.46         ±9.6 %           10292         AAB         CDMA2000, RC3, SO32, Full Rate         CDMA2000         3.39         ±9.6 %           10293         AAB         CDMA2000, RC3, SO3, Full Rate         CDMA2000         3.50         ±9.6 %           10295         AAB         CDMA2000, RC1, SO3, 1/8th Rate 25 fr.         CDMA2000         12.49         ±9.6 %           10297         AAD         LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)         LTE-FDD         5.81         ±9.6 %           10298         AAD         LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)         LTE-FDD         5.72         ±9.6 %						
10278         CAA         PHS (QPSK, BW 884MHz, Rolloff 0.5)         PHS         11.81         ± 9.6 %           10279         CAA         PHS (QPSK, BW 884MHz, Rolloff 0.38)         PHS         12.18         ± 9.6 %           10290         AAB         CDMA2000, RC1, SO55, Full Rate         CDMA2000         3.91         ± 9.6 %           10291         AAB         CDMA2000, RC3, SO55, Full Rate         CDMA2000         3.46         ± 9.6 %           10292         AAB         CDMA2000, RC3, SO32, Full Rate         CDMA2000         3.39         ± 9.6 %           10293         AAB         CDMA2000, RC3, SO3, Full Rate         CDMA2000         3.50         ± 9.6 %           10295         AAB         CDMA2000, RC1, SO3, 1/8th Rate 25 fr.         CDMA2000         12.49         ± 9.6 %           10297         AAD         LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)         LTE-FDD         5.72         ± 9.6 %           10298         AAD         LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)         LTE-FDD         5.72         ± 9.6 %						
10279         CAA         PHS (QPSK, BW 884MHz, Rolloff 0.38)         PHS         12.18         ± 9.6 %           10290         AAB         CDMA2000, RC1, SO55, Full Rate         CDMA2000         3.91         ± 9.6 %           10291         AAB         CDMA2000, RC3, SO55, Full Rate         CDMA2000         3.46         ± 9.6 %           10292         AAB         CDMA2000, RC3, SO32, Full Rate         CDMA2000         3.39         ± 9.6 %           10293         AAB         CDMA2000, RC3, SO3, Full Rate         CDMA2000         3.50         ± 9.6 %           10295         AAB         CDMA2000, RC1, SO3, 1/8th Rate 25 fr.         CDMA2000         12.49         ± 9.6 %           10297         AAD         LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)         LTE-FDD         5.72         ± 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         3.46         ± 9.6 %           10292         AAB         CDMA2000, RC3, SO32, Full Rate         CDMA2000         3.39         ± 9.6 %           10293         AAB         CDMA2000, RC3, SO3, Full Rate         CDMA2000         3.50         ± 9.6 %           10295         AAB         CDMA2000, RC1, SO3, 1/8th Rate 25 fr.         CDMA2000         12.49         ± 9.6 %           10297         AAD         LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)         LTE-FDD         5.81         ± 9.6 %           10298         AAD         LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)         LTE-FDD         5.72         ± 9.6 %						
10291         AAB         CDMA2000, RC3, SC55, Full Rate         CDMA2000         3.46         ± 9.6 %           10292         AAB         CDMA2000, RC3, SC32, Full Rate         CDMA2000         3.39         ± 9.6 %           10293         AAB         CDMA2000, RC3, SC3, Full Rate         CDMA2000         3.50         ± 9.6 %           10295         AAB         CDMA2000, RC1, SC3, 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, SC32, Full Rate         CDMA2000         3.39         ± 9.6 %           10293         AAB         CDMA2000, RC3, SC3, Full Rate         CDMA2000         3.50         ± 9.6 %           10295         AAB         CDMA2000, RC1, SC3, 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 %						
10298 AAD LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK) LTE-FDD 5.72 ±9.6 %			CDMA2000, RC1, SO3, 1/8th Rate 25 fr.			
10299   AAD   LIE-FDD   6.39   $\pm$ 9.6 %						
	10299	AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LIE-FDD	6.39	± 9.6 %

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		I			
10300	AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-FDD	6.60	± 9.6 %
10301	AAA	IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, QPSK, PUSC)	WIMAX	12.03	± 9.6 %
10302	AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3 CTRL symbols)	WiMAX	12.57	± 9.6 %
10303	AAA	Symbols	WiMAX	12.52	± 9.6 %
10303	AAA	IEEE 802.16e WIMAX (31:13, 5ms, 10MHz, 64QAM, PUSC)	WIMAX	11.86	± 9.6 %
10305	AAA	IEEE 802.16e WiMAX (31:15, 10ms, 10MHz, 64QAM, PUSC, 15	WIMAX	15.24	± 9.6 %
,,,,,,	''''	symbols)	***************************************	10.24	2 0.0 %
10306	AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 64QAM, PUSC, 18	WiMAX	14.67	± 9.6 %
		symbols)			
10307	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, PUSC, 18	WiMAX	14.49	± 9.6 %
		symbols)			
10308	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)	WiMAX	14.46	± 9.6 %
10309	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3, 18	WiMAX	14.58	± 9.6 %
10310		symbols)	140444	44.55	
10310	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 symbols)	WiMAX	14.57	± 9.6 %
10311	AAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-FDD	6.06	± 9.6 %
10311	AAA	IDEN 1:3	IDEN	10.51	± 9.6 %
10314	AAA	iDEN 1:6	IDEN	13.48	± 9.6 %
10315	AAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)	WLAN	1.71	± 9.6 %
10316	AAB	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle)	WLAN	8.36	± 9.6 %
10317	AAC	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)	WLAN	8.36	± 9.6 %
10352	AAA	Pulse Waveform (200Hz, 10%)	Generic	10.00	± 9.6 %
10353	AAA	Pulse Waveform (200Hz, 20%)	Generic	6.99	± 9.6 %
10354	AAA	Pulse Waveform (200Hz, 40%)	Generic	3.98	± 9.6 %
10355	AAA	Pulse Waveform (200Hz, 60%)	Generic	2.22	± 9.6 %
10356	AAA	Pulse Waveform (200Hz, 80%)	Generic	0.97	± 9.6 %
10387	AAA	QPSK Waveform, 1 MHz	Generic	5.10	± 9.6 %
10388	AAA	QPSK Waveform, 10 MHz	Generic	5.22	± 9.6 %
10396	AAA	64-QAM Waveform, 100 kHz	Generic	6.27	± 9.6 %
10399	AAA	64-QAM Waveform, 40 MHz	Generic	6.27	± 9.6 %
10400	AAD	IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc duty cycle)	WLAN	8.37	± 9.6 %
10401	AAD	IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc duty cycle)	WLAN	8.60	± 9.6 %
10402	AAD	IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc duty cycle)	WLAN	8.53	± 9.6 %
10403	AAB	CDMA2000 (1xEV-DO, Rev. 0)	CDMA2000	3.76	± 9.6 %
10404	AAB	CDMA2000 (1xEV-DO, Rev. A)	CDMA2000	3.77	± 9.6 %
10406	AAB	CDMA2000, RC3, SO32, SCH0, Full Rate	CDMA2000	5.22	± 9.6 %
10410	AAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9, Subframe Conf=4)	LTE-TDD	7.82	± 9.6 %
10414	AAA	WLAN CCDF, 64-QAM, 40MHz	Generic	8.54	± 9.6 %
10415	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)	WLAN	1.54	±9.6 %
10416	AAA	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	± 9.6 %
10417	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	± 9.6 %
10418	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle,	WLAN	8.14	± 9.6 %
		Long preambule)	11.2	0.,,	20.0 %
10419	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle,	WLAN	8.19	± 9.6 %
		Short preambule)			
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 10435	AAA AAF	W-CDMA (BS Test Model 1, 64 DPCH)	WCDMA	8.60	± 9.6 %
10430	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	+060/
10447	AAD	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.55	± 9.6 %
10449	AAC	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clippin 44%)	LTE-FDD	7.53	±9.6 %
10450	AAC	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.48	±9.6 %
			-,-,-	7.70	<u> </u>

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10456	10451	AAA	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	WCDMA	7.59	± 9.6 %
10467   AAA   UMTS-FDD (ICS-HSPA)   WCDMA   6.67   9.9.6 %   10459   AAA   CDMA2000 (ISE-VD-Q, Rev. B. 2 carriers)   CDMA2000   6.55   9.9.6 %   10459   AAA   CDMA2000 (ISE-VD-Q, Rev. B. 3 carriers)   CDMA2000   6.55   9.9.6 %   10460   AAA   CDMA2000 (ISE-VD-Q, Rev. B. 3 carriers)   CDMA2000   6.55   9.9.6 %   10461   AAA   LTE-TDD (SC-PDMA, 1RB, 1.4 MHz, QPSK, UL   LTE-TDD   7.82   2.9.6 %   10462   AAA   LTE-TDD (SC-PDMA, 1RB, 1.4 MHz, QPSK, UL   LTE-TDD   8.30   2.9.6 %   10462   AAA   LTE-TDD (SC-PDMA, 1RB, 1.4 MHz, GPSK, UL   LTE-TDD   8.30   2.9.6 %   10463   AAA   LTE-TDD (SC-PDMA, 1RB, 1.4 MHz, GPSK, UL   LTE-TDD   8.56   2.9.6 %   10463   AAA   LTE-TDD (SC-PDMA, 1RB, 3 MHz, QPSK, UL   LTE-TDD   7.82   2.9.6 %   10464   AAB   LTE-TDD (SC-PDMA, 1RB, 3 MHz, GPSK, UL   LTE-TDD   7.82   2.9.6 %   10465   AAB   LTE-TDD (SC-PDMA, 1RB, 3 MHz, GPAM, UL   LTE-TDD   8.32   2.9.6 %   10466   AAB   LTE-TDD (SC-PDMA, 1RB, 3 MHz, GPAM, UL   LTE-TDD   8.57   2.9.6 %   10467   AAE   LTE-TDD (SC-PDMA, 1RB, 5 MHz, GPAM, UL   LTE-TDD   8.57   2.9.6 %   10467   AAE   LTE-TDD (SC-PDMA, 1RB, 5 MHz, GPAM, UL   LTE-TDD   8.57   2.9.6 %   10468   AAE   LTE-TDD (SC-PDMA, 1RB, 5 MHz, GPAM, UL   LTE-TDD   8.56   2.9.6 %   10469   AAE   LTE-TDD (SC-PDMA, 1RB, 5 MHz, GPAM, UL   LTE-TDD   8.56   2.9.6 %   10470   AAE   LTE-TDD (SC-PDMA, 1RB, 5 MHz, GPAM, UL   LTE-TDD   8.52   2.9.6 %   10470   AAE   LTE-TDD (SC-PDMA, 1RB, 5 MHz, GPAM, UL   LTE-TDD   8.52   2.9.6 %   10470   AAE   LTE-TDD (SC-PDMA, 1RB, 5 MHz, GPAM, UL   LTE-TDD   8.57   2.9.6 %   10470   AAE   LTE-TDD (SC-PDMA, 1RB, 5 MHz, GPAM, UL   LTE-TDD   8.57   2.9.6 %   10470   AAE   LTE-TDD (SC-PDMA, 1RB, 5 MHz, GPAM, UL   LTE-TDD   8.57   2.9.6 %   10470   AAE   LTE-TDD (SC-PDMA, 1RB, 5 MHz, GPAM, UL   LTE-TDD   8.57   2.9.6 %   10470   AAE   LTE-TDD (SC-PDMA, 1RB, 16 MHz, GPAM, UL   LTE-TDD   8.57   2.9.6 %   10470   AAE   LTE-TDD (SC-PDMA, 1RB, 16 MHz, GPAM, UL   LTE-TDD   8.57   2.9.6 %   10470   AAE   LTE-TDD (SC-PDMA, 1RB, 16 MHz, GPAM, UL   LTE-TDD   8.57   2.9.6 %						
10458   AAA   CDMA2000 (1KEV-DQ, Rev. B., 2 carriers)   CDMA2000   6.55   2.9.6 %   10460   AAA   CDMA2000 (1KEV-DQ, Rev. B., 3 carriers)   CDMA2000   6.55   2.9.6 %   10460   AAA   UMTS-FDD (WCDMA, AMR)   WCDMA   C.39   2.9.6 %   10461   AAA   UMTS-FDD (WCDMA, AMR)   UTE-TDD (SC-PDMA, 1RB, 1.4 MHz, 16-QAM, UL   LTE-TDD   7.82   2.9.6 %   10462   AAA   LTE-TDD (SC-PDMA, 1RB, 1.4 MHz, 16-QAM, UL   LTE-TDD   8.30   2.9.6 %   10463   AAA   LTE-TDD (SC-PDMA, 1RB, 3 MHz, QPSK, UL   LTE-TDD   8.50   2.9.6 %   10463   AAA   LTE-TDD (SC-PDMA, 1RB, 3 MHz, QPSK, UL   LTE-TDD   8.50   2.9.6 %   10464   AAB   LTE-TDD (SC-PDMA, 1RB, 3 MHz, QPSK, UL   LTE-TDD   8.32   2.9.6 %   10464   AAB   LTE-TDD (SC-PDMA, 1RB, 3 MHz, QPSK, UL   LTE-TDD   8.32   2.9.6 %   10465   AAB   LTE-TDD (SC-PDMA, 1RB, 3 MHz, QPSK, UL   LTE-TDD   8.32   2.9.6 %   10466   AAB   LTE-TDD (SC-PDMA, 1RB, 3 MHz, QPSK, UL   LTE-TDD   8.57   2.9.6 %   10467   AAE   LTE-TDD (SC-PDMA, 1RB, 5 MHz, QPSK, UL   LTE-TDD   8.57   2.9.6 %   10468   AAE   LTE-TDD (SC-PDMA, 1RB, 5 MHz, G4-QAM, UL   LTE-TDD   8.57   2.9.6 %   10469   AAE   LTE-TDD (SC-PDMA, 1RB, 5 MHz, G4-QAM, UL   LTE-TDD   8.56   2.9.6 %   10469   AAE   LTE-TDD (SC-PDMA, 1RB, 5 MHz, G4-QAM, UL   LTE-TDD   8.56   2.9.6 %   10469   AAE   LTE-TDD (SC-PDMA, 1RB, 5 MHz, G4-QAM, UL   LTE-TDD   8.56   2.9.6 %   10470   AAE   LTE-TDD (SC-PDMA, 1RB, 10 MHz, G4-QAM, UL   LTE-TDD   8.56   2.9.6 %   10470   AAE   LTE-TDD (SC-PDMA, 1RB, 10 MHz, G4-QAM, UL   LTE-TDD   8.56   2.9.6 %   10470   AAE   LTE-TDD (SC-PDMA, 1RB, 10 MHz, G4-QAM, UL   LTE-TDD   8.57   2.9.6 %   10473   AAE   LTE-TDD (SC-PDMA, 1RB, 10 MHz, G4-QAM, UL   LTE-TDD   8.57   2.9.6 %   10470   AAE   LTE-TDD (SC-PDMA, 1RB, 10 MHz, G4-QAM, UL   LTE-TDD   8.57   2.9.6 %   10470   AAE   LTE-TDD (SC-PDMA, 1RB, 10 MHz, G4-QAM, UL   LTE-TDD   8.57   2.9.6 %   10470   AAE   LTE-TDD (SC-PDMA, 1RB, 10 MHz, G4-QAM, UL   LTE-TDD   8.57   2.9.6 %   10470   AAE   LTE-TDD (SC-PDMA, 1RB, 15 MHz, G4-QAM, UL   LTE-TDD   8.59   8.50   8.50   8.50   8.50   8.50   8.			UMTS-FDD (DC-HSDPA)			
10459   AAA   CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	10458	AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)			
10460			CDMA2000 (1xEV-DO, Rev. B, 3 carriers)			
10462			UMTS-FDD (WCDMA, AMR)	WCDMA		
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   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   LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL   LTE-TDD   7.82   ± 9.6 %   subframe-2,3,4,7,8,9   LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL   LTE-TDD   8.32   ± 9.6 %   subframe-2,3,4,7,8,9   LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL   LTE-TDD   6.57   ± 9.6 %   subframe-2,3,4,7,8,9   LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL   LTE-TDD   7.82   ± 9.6 %   subframe-2,3,4,7,8,9   LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL   LTE-TDD   7.82   ± 9.6 %   subframe-2,3,4,7,8,9   LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL   LTE-TDD   8.32   ± 9.6 %   subframe-2,3,4,7,8,9   LTE-TDD (SC-FDMA, 1 RB, 5 MHz, GA-QAM, UL   LTE-TDD   8.56   ± 9.6 %   subframe-2,3,4,7,8,9   LTE-TDD (SC-FDMA, 1 RB, 5 MHz, GA-QAM, UL   LTE-TDD   7.82   ± 9.6 %   subframe-2,3,4,7,8,9   LTE-TDD (SC-FDMA, 1 RB, 10 MHz, GA-QAM, UL   LTE-TDD   7.82   ± 9.6 %   subframe-2,3,4,7,8,9   LTE-TDD (SC-FDMA, 1 RB, 10 MHz, GA-QAM, UL   LTE-TDD   8.57   ± 9.6 %   subframe-2,3,4,7,8,9   LTE-TDD (SC-FDMA, 1 RB, 10 MHz, GA-QAM, UL   LTE-TDD   8.57   ± 9.6 %   subframe-2,3,4,7,8,9   LTE-TDD (SC-FDMA, 1 RB, 15 MHz, GA-QAM, UL   LTE-TDD   8.57   ± 9.6 %   subframe-2,3,4,7,8,9   LTE-TDD (SC-FDMA, 1 RB, 15 MHz, GA-QAM, UL   LTE-TDD   8.57   ± 9.6 %   subframe-2,3,4,7,8,9   LTE-TDD (SC-FDMA, 1 RB, 15 MHz, GA-QAM, UL   LTE-TDD   8.57   ± 9.6 %   subframe-2,3,4,7,8,9   LTE-TDD (SC-FDMA, 1 RB, 16 MHz, GA-QAM, UL   LTE-TDD   8.57   ± 9.6 %   subframe-2,3,4,7,8,9   LTE-TDD (SC-FDMA, 1 RB, 10 MHz, GA-QAM, UL   LTE-TDD   8.57   ± 9.6 %   subframe-2,3,4,7,8,9   LTE-TDD (SC-FDMA, 1 RB, 10 MHz, GA-QAM, UL   LTE-TDD   8.57   ± 9.6 %   subframe-2,3,4,7,8,9   LTE-TDD (SC-FDMA, SM, RB, 14 MHz, GA-QAM, UL   LTE-TDD   8.57   ± 9.6 %   subframe-2,3,4,7,8,9   LTE-TDD (SC-FDMA, SM, RB, 14 MHz, GA-QAM, UL   LTE-TDD   8.45   ± 9.6 %   subframe-2,3,4,7,8,9   LTE-TDD (SC-FDMA, SM, RB, SM, Hz, GA-QAM, U	10461	AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL	LTE-TDD		
Subframe=2,3,4,7,8,9		1				
10463	10462	AAA		LTE-TDD	8.30	± 9.6 %
10464   AAB   LTE-TDD (SC-FDMA, 1RB, 3 MHz, QPSK, UL   LTE-TDD   7.82   ± 9.6 %	40400	1				
10464	10463	AAA		LTE-TDD	8.56	± 9.6 %
10465   AS   LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL   LTE-TDD   S.57   ± 9.6 %   Subframe-2.3.4, 7.8.9     10466   AAB   LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL   LTE-TDD   S.57   ± 9.6 %   Subframe-2.3.4, 7.8.9     10467   AAE   LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL   LTE-TDD   T.8.2   ± 9.6 %   Subframe-2.3.4, 7.8.9     10468   AAE   LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL   LTE-TDD   S.32   ± 9.6 %   Subframe-2.3.4, 7.8.9     10469   AAE   LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL   LTE-TDD   S.56   ± 9.6 %   Subframe-2.3.4, 7.8.9     10470   AAE   LTE-TDD (SC-FDMA, 1 RB, 1 MHz, 64-QAM, UL   LTE-TDD   S.56   ± 9.6 %   Subframe-2.3.4, 7.8.9     10471   AAE   LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL   LTE-TDD   S.52   ± 9.6 %   Subframe-2.3.4, 7.8.9     10472   AAE   LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL   LTE-TDD   S.57   ± 9.6 %   Subframe-2.3.4, 7.8.9     10473   AAE   LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL   LTE-TDD   S.57   ± 9.6 %   Subframe-2.3.4, 7.8.9     10474   AAE   LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL   LTE-TDD   S.57   ± 9.6 %   Subframe-2.3.4, 7.8.9     10475   AAE   LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL   LTE-TDD   S.57   ± 9.6 %   Subframe-2.3.4, 7.8.9     10476   AAE   LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL   LTE-TDD   S.57   ± 9.6 %   Subframe-2.3.4, 7.8.9     10477   AAF   LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL   LTE-TDD   S.57   ± 9.6 %   Subframe-2.3.4, 7.8.9     10479   AAE   LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL   LTE-TDD   S.57   ± 9.6 %   Subframe-2.3.4, 7.8.9     10479   AAE   LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL   LTE-TDD   S.57   ± 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   S.57   ± 9.6 %   Subframe-2.3.4, 7.8.9     10481   AAA   LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL   LTE-TDD   S.59   ± 9.6 %   Subframe-2.3.4, 7.8.9     10482   AAB   LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL   LTE-TDD   S.49   ± 9.6 %   Subframe-2.3.4, 7.8.9     10483   AAB   LTE-TDD (SC-FDM	10464	AAD				
10465	10404	AAB		LIE-IDD	7.82	± 9.6 %
Subframe=2,3,4,7,8,9	10465	AAR		LTE TOD	0.20	1000
10466	10400	7070		LIE-IDD	8.32	± 9.6 %
Subframe=2,3,4,7,8,9	10466	AAR		I TE TOD	0.57	1069/
10467		/ * 1.5		LILETOD	0.57	1 9.0 %
Subframe=2,3,4,7,8,9	10467	AAE		LTE-TDD	7.82	+96%
10468			Subframe=2,3,4,7,8,9)	-12 100	7.02	2 0.0 70
Subframe=2,3,4,7,8,9	10468	AAE		LTE-TDD	8.32	± 9.6 %
Subframe=2,3,4,7,8,9    T.8-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)   Subframe=2,3,4,7,8,9    Subframe=2,						
10470	10469	AAE		LTE-TDD	8.56	± 9.6 %
Subframe=2,3,4,7,8,9    LTE-TDD   S.32						
10471   AAE   LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL   LTE-TDD   8.32   ±9.6 %   Subframe=2,3.4,7,8,9   LTE-TDD (SC-FDMA, 1 RB, 15 MHz, G4-QAM, UL   LTE-TDD   8.57   ±9.6 %   Subframe=2,3.4,7,8,9   LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL   LTE-TDD   8.32   ±9.6 %   Subframe=2,3.4,7,8,9   LTE-TDD (SC-FDMA, 1 RB, 15 MHz, GPSK, UL   LTE-TDD   8.32   ±9.6 %   Subframe=2,3.4,7,8,9   LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL   LTE-TDD   8.57   ±9.6 %   Subframe=2,3.4,7,8,9   LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL   LTE-TDD   8.32   ±9.6 %   Subframe=2,3.4,7,8,9   LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL   LTE-TDD   8.57   ±9.6 %   Subframe=2,3.4,7,8,9   LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL   LTE-TDD   8.57   ±9.6 %   Subframe=2,3.4,7,8,9   LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL   LTE-TDD   8.18   ±9.6 %   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 %   Subframe=2,3.4,7,8,9   LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL   LTE-TDD   8.45   ±9.6 %   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 (SC-FDMA, 50% RB, 3 MHz, QPSK, UL   LTE-TDD   8.39   ±9.6 %   Subframe=2,3.4,7,8,9   LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL   LTE-TDD   8.39   ±9.6 %   Subframe=2,3.4,7,8,9   LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL   LTE-TDD   8.39   ±9.6 %   Subframe=2,3.4,7,8,9   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL   LTE-TDD   8.39   ±9.6 %   Subframe=2,3.4,7,8,9   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL   LTE-TDD   8.30   ±9.6 %   Subframe=2,3.4,7,8,9   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL   LTE-TDD   8.30   ±9.6 %   Subframe=2,3.4,7,8,9   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL   LTE-TDD   8.30   ±9.6 %   Subframe=2,3.4,7,8,9   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL   LTE-TDD   8.31   ±9.6 %   Subframe=2,3.4,7,8,9   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL   LTE-TDD   8.54   ±9.6 %   Subframe=2,3.4,7,8,9   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL	10470	AAE		LTE-TDD	7.82	± 9.6 %
Subframe=2,3,4,7,8,9    Subf						
10472   AAE   LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL   LTE-TDD   8.57   ±9.6 %   Subframe=2,3,4,7,8,9   Subf	10471	AAE	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL	LTE-TDD	8.32	± 9.6 %
Subframe=2,3,4,7,8,9	40470		Subtrame=2,3,4,7,8,9)			
10473   AAE	10472	AAE		LTE-TDD	8.57	± 9.6 %
Subframe=2,3,4,7,8,9	10472	A A E		LTE TOD	7.00	
10474	10473	AAL		LIE-IDD	7.82	± 9.6 %
Subframe=2,3,4,7,8,9   Subframe=2,3,4,7,8,9	10474	AAF		ITE TOD	0.22	+06%
10475	10-11-1	7012		LIE-100	0.52	±9.0 %
Subframe=2,3,4,7,8,9    LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-Q	10475	AAE		LTE-TOD	8.57	+96%
Subframe=2,3,4,7,8,9    LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL   LTE-TDD   8.57				1 - 1 - 1 - 1	0.07	20.0 /0
Subframe=2,3,4,7,8,9    LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL	10477	AAF		LTE-TDD	8.32	± 9.6 %
Subframe=2,3,4,7,8,9    LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 6			Subframe=2,3,4,7,8,9)			
10479         AAA         LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)         LTE-TDD         7.74         ± 9.6 %           10480         AAA         LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)         LTE-TDD (S	10478	AAF		LTE-TDD	8.57	± 9.6 %
Subframe=2,3,4,7,8,9    LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-Q			Subframe=2,3,4,7,8,9)			
10480         AAA         LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3.4,7,8,9)         LTE-TDD         8.18         ± 9.6 %           10481         AAA         LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3.4,7,8,9)         LTE-TDD         8.45         ± 9.6 %           10482         AAB         LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3.4,7,8,9)         LTE-TDD         7.71         ± 9.6 %           10483         AAB         LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3.4,7,8,9)         LTE-TDD         8.39         ± 9.6 %           10484         AAB         LTE-TDD (SC-FDMA, 50% RB, 5 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, 64-QAM, UL Subframe=2,3,4,7,8,9)         LTE-TDD         8.38         ± 9.6 %           10487         AAE         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, 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         8.54         ± 9.6 %           10490         AAE         LTE-TDD (SC-FDM	10479	AAA		LTE-TDD	7.74	± 9.6 %
Subframe=2,3,4,7,8,9    LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz,						
10481         AAA         LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)         LTE-TDD         8.45         ±9.6 %           10482         AAB         LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 50% RB, 5 MHz, GPSK, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 50% RB, 5 MHz, GPSK, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 50% RB, 5 MHz, GPSK, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, GPSK, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, GPSK, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, GPSK, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, GPSK, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, GPSK, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, GPSK, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, GPSK, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, GPSK, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, GPSK, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, GPSK, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, GPSK, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, GPSK, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, GPSK, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, GPSK, UL	10480	AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL	LTE-TDD	8.18	± 9.6 %
Subframe=2,3,4,7,8,9	10404	ΛΛΛ		LTE TOD	0.45	
10482         AAB         LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)         LTE-TDD         7.71         ± 9.6 %           10483         AAB         LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)         LTE-TDD         8.39         ± 9.6 %           10484         AAB         LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)         LTE-TDD         8.47         ± 9.6 %           10485         AAE         LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)         LTE-TDD         7.59         ± 9.6 %           10486         AAE         LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)         LTE-TDD         8.38         ± 9.6 %           10487         AAE         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)         LTE-TDD         7.70         ± 9.6 %           10488         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 %           10489         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 %           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,	10461	AAA		LIE-IDD	8.45	±9.6%
Subframe=2,3,4,7,8,9    LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL SUBframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz	10482	AAR		LTE TOD	7 71	1068
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         8.54         ± 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         LTE-TDD         7.74         ± 9.6 %	10402	7770		LIESTOD	1.11	±9.6 %
Subframe=2,3,4,7,8,9	10483	AAB		I TE-TOD	8 30	+96%
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 (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)         LTE-TDD				121200	0.00	2 3.0 %
Subframe=2,3,4,7,8,9    LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL STE-TDD (SC-FDMA, 50% RB, SMB, SMB, SMB, SMB, SMB, SMB, SMB, SM	10484	AAB		LTE-TDD	8.47	±96%
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         LTE-TDD         7.74         ± 9.6 %				12.2.00	0.11	2 0.0 70
Subframe=2,3,4,7,8,9    LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL LTE-TDD (7.74 ± 9.6 %)   LTE-TDD (8.54 + 9.	10485	AAE		LTE-TDD	7.59	± 9.6 %
Subframe=2,3,4,7,8,9			Subframe=2,3,4,7,8,9)			
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         LTE-TDD         7.74         ± 9.6 %	10486	AAE		LTE-TDD	8.38	± 9.6 %
Subframe=2,3,4,7,8,9    LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL LTE-TDD (T,74 ± 9.6 %)   LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL LTE-TDD (T,74 ± 9.6 %)   LTE-TDD (T,74 ±						
10488         AAE         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3.4,7.8,9)         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3.4,7.8,9)         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3.4,7.8,9)         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3.4,7.8,9)         LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL SUBFrame=2,3.4,7.8,9)         LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL SUBFRAME)         LTE-TDD (SC-FDMA, 50% RB, MHz, QPSK, UL SUBFRAME)         LTE-TDD (SC-FDMA, 50% RB, MHz, QPSK, UL SUBFRAME)         LTE-TDD (SC-FDMA, 50% RB, MHz	10487	AAE		LTE-TDD	8.60	± 9.6 %
Subframe=2,3,4,7,8,9						
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         LTE-TDD         7.74         ±9.6 %	10488	AAE		LTE-TDD	7.70	± 9.6 %
Subframe=2,3,4,7,8,9)	10155					
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 LTE-TDD         7.74         ± 9.6 %	10489	AAE		LTE-TDD	8.31	± 9.6 %
Subframe=2,3,4,7,8,9)	40400					
10491 AAE LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL LTE-TDD 7.74 ± 9.6 %	10490	AAE		LTE-TDD	8.54	± 9.6 %
	10404	A A F		I shim shirt	774	1000
Gubitanie=2,3,4,7,0,3)	10491	AAE		LIE-IDD	1.14	± 9.6 %
			Odbiranic=2,3,4,7,0,3)			

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40400	1 4 4 5	LITE TOD (OO FOMA SOOV DD 45 MILL 40 OAM III	1175 700	T 647	
10492	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.41	± 9.6 %
10493	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.55	± 9.6 %
10494	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	± 9.6 %
10495	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.37	± 9.6 %
10496	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	± 9.6 %
10497	AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.67	± 9.6 %
10498	AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.40	± 9.6 %
10499	AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.68	± 9.6 %
10500	AAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.67	± 9.6 %
10501	AAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.44	± 9.6 %
10502	AAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.52	± 9.6 %
10503	AAE	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.72	± 9.6 %
10504	AAE	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.31	± 9.6 %
10505	AAE	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	± 9.6 %
10506	AAE	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	± 9.6 %
10507	AAE	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.36	± 9.6 %
10508	AAE	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.55	± 9.6 %
10509	AAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.99	± 9.6 %
10510	AAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.49	± 9.6 %
10511	AAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.51	± 9.6 %
10512	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	± 9.6 %
10513	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.42	±9.6 %
10514	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.45	± 9.6 %
10515	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)	WLAN	1.58	± 9.6 %
10516	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)	WLAN	1.57	± 9.6 %
10517	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)	WLAN	1.58	± 9.6 %
10518	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	WLAN	8.23	± 9.6 %
10519	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	WLAN	8.39	± 9.6 %
10520	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)	WLAN	8.12	± 9.6 %
10521	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)	WLAN	7.97	± 9.6 %
10522	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)	WLAN	8.45	± 9.6 %
10523	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)	WLAN	8.08	± 9.6 %
10524	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)	WLAN	8.27	± 9.6 %
10525	AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)	WLAN	8.36	±9.6%
10526	AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)	WLAN	8.42	± 9.6 %
10527	AAB	IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)	WLAN	8.21	± 9.6 %
10528	AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)	WLAN	8.36	± 9.6 %
10529	AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)	WLAN	8.36	± 9.6 %
10531	AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)	WLAN	8.43	± 9.6 %
10532	AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)	WLAN	8.29	± 9.6 %
10533	AAB AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle) IEEE 802.11ac WiFi (40MHz, MCS0, 99pc duty cycle)	WLAN WLAN	8.38 8.45	± 9.6 %
10534					± 9.6 %

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10536   AAB	10558						
10536   AAB	10337   AAB   IEEE 802.11ac WIFI (40MHz, MCS2, 99pc duty cycle)   WLAN   8,44   19,6   10338   AAB   IEEE 802.11ac WIFI (40MHz, MCS3, 99pc duty cycle)   WLAN   8,44   19,6   10340   AAB   IEEE 802.11ac WIFI (40MHz, MCS6, 99pc duty cycle)   WLAN   8,39   10341   AAB   IEEE 802.11ac WIFI (40MHz, MCS6, 99pc duty cycle)   WLAN   8,46   19,6   10541   AAB   IEEE 802.11ac WIFI (40MHz, MCS6, 99pc duty cycle)   WLAN   8,46   19,6   10542   AAB   IEEE 802.11ac WIFI (40MHz, MCS6, 99pc duty cycle)   WLAN   8,65   19,6   10543   AAB   IEEE 802.11ac WIFI (40MHz, MCS6, 99pc duty cycle)   WLAN   8,65   19,6   10544   AAB   IEEE 802.11ac WIFI (60MHz, MCS9, 99pc duty cycle)   WLAN   8,67   19,6   10544   AAB   IEEE 802.11ac WIFI (60MHz, MCS9, 99pc duty cycle)   WLAN   8,47   10545   AAB   IEEE 802.11ac WIFI (60MHz, MCS9, 99pc duty cycle)   WLAN   8,55   19,6   10546   AAB   IEEE 802.11ac WIFI (60MHz, MCS9, 99pc duty cycle)   WLAN   8,35   19,6   10547   AAB   IEEE 802.11ac WIFI (60MHz, MCS9, 99pc duty cycle)   WLAN   8,35   19,6   10547   AAB   IEEE 802.11ac WIFI (60MHz, MCS9, 99pc duty cycle)   WLAN   8,37   19,6   10551   AAB   IEEE 802.11ac WIFI (60MHz, MCS9, 99pc duty cycle)   WLAN   8,37   19,6   10551   AAB   IEEE 802.11ac WIFI (60MHz, MCS9, 99pc duty cycle)   WLAN   8,37   19,6   10551   AAB   IEEE 802.11ac WIFI (60MHz, MCS9, 99pc duty cycle)   WLAN   8,42   19,6   10553   AAB   IEEE 802.11ac WIFI (60MHz, MCS9, 99pc duty cycle)   WLAN   8,42   19,6   10553   AAB   IEEE 802.11ac WIFI (60MHz, MCS9, 99pc duty cycle)   WLAN   8,42   19,6   10555   AAC   IEEE 802.11ac WIFI (60MHz, MCS9, 99pc duty cycle)   WLAN   8,45   19,6   10555   AAC   IEEE 802.11ac WIFI (60MHz, MCS9, 99pc duty cycle)   WLAN   8,45   19,6   10555   AAC   IEEE 802.11ac WIFI (60MHz, MCS9, 99pc duty cycle)   WLAN   8,45   19,6   10555   AAC   IEEE 802.11ac WIFI (60MHz, MCS9, 99pc duty cycle)   WLAN   8,45   19,6   10555   AAC   IEEE 802.11ac WIFI (60MHz, MCS9, 99pc duty cycle)   WLAN   8,45   19,6   10555   AAC   IEEE 802.11ac WIFI (60MHz, MCS9, 99pc duty				WLAN	8.45	± 9.6 %
10537   AAB   IEEE 802.11ac WiFi (40MHz, MCS4, 99pc duty cycle)	10538   AAB   IEEE 802.11ac WIFF (40MHz, MCSA) 99pc duty cycle  WLAN   8.54   19.6			IEEE 802.11ac WiFi (40MHz, MCS2, 99pc duty cycle)			± 9.6 %
10580	10580   AAB   IEEE 802.11ac WFF   (40MHz, MCS6, 99pc duty cycle)   WLAN   8.39   10591   AAB   IEEE 802.11ac WFF   (40MHz, MCS6, 99pc duty cycle)   WLAN   8.46   19.6   10542   AAB   IEEE 802.11ac WFF   (40MHz, MCS6, 99pc duty cycle)   WLAN   8.65   19.6   10543   AAB   IEEE 802.11ac WFF   (40MHz, MCS6, 99pc duty cycle)   WLAN   8.65   19.6   10544   AAB   IEEE 802.11ac WFF   (40MHz, MCS6, 99pc duty cycle)   WLAN   8.65   19.6   10544   AAB   IEEE 802.11ac WFF   (40MHz, MCS6, 99pc duty cycle)   WLAN   8.47   19.6   10544   AAB   IEEE 802.11ac WFF   (40MHz, MCS0, 99pc duty cycle)   WLAN   8.47   19.6   10545   AAB   IEEE 802.11ac WFF   (40MHz, MCS0, 99pc duty cycle)   WLAN   8.47   19.6   10545   AAB   IEEE 802.11ac WFF   (40MHz, MCS6, 99pc duty cycle)   WLAN   8.45   19.6   10546   AAB   IEEE 802.11ac WFF   (40MHz, MCS6, 99pc duty cycle)   WLAN   8.35   19.6   10548   AAB   IEEE 802.11ac WFF   (40MHz, MCS6, 99pc duty cycle)   WLAN   8.37   19.6   10548   AAB   IEEE 802.11ac WFF   (40MHz, MCS6, 99pc duty cycle)   WLAN   8.37   19.6   10555   AAB   IEEE 802.11ac WFF   (40MHz, MCS6, 99pc duty cycle)   WLAN   8.38   19.6   10555   AAB   IEEE 802.11ac WFF   (40MHz, MCS6, 99pc duty cycle)   WLAN   8.36   19.6   10555   AAC   IEEE 802.11ac WFF   (40MHz, MCS6, 99pc duty cycle)   WLAN   8.42   19.6   10555   AAC   IEEE 802.11ac WFF   (40MHz, MCS6, 99pc duty cycle)   WLAN   8.42   19.6   10555   AAC   IEEE 802.11ac WFF   (40MHz, MCS6, 99pc duty cycle)   WLAN   8.45   19.6   10555   AAC   IEEE 802.11ac WFF   (40MHz, MCS6, 99pc duty cycle)   WLAN   8.45   19.6   10555   AAC   IEEE 802.11ac WFF   (40MHz, MCS6, 99pc duty cycle)   WLAN   8.45   19.6   10555   AAC   IEEE 802.11ac WFF   (40MHz, MCS6, 99pc duty cycle)   WLAN   8.45   19.6   10555   AAC   IEEE 802.11ac WFF   (40MHz, MCS6, 99pc duty cycle)   WLAN   8.45   19.6   10555   AAC   IEEE 802.11ac WFF   (40MHz, MCS6, 99pc duty cycle)   WLAN   8.45   19.6   10555   AAC   IEEE 802.11ac WFF   (40MHz, MCS6, 99pc duty cycle)   WLAN   8.45   19.6   10556   AAC   IEEE 802.11ac	10537	AAB				± 9.6 %
10540   AAB   IEEE 802.11ac WiFi (40MHz, MCS7, 99pc duty cycle)   WLAN   8.39   ± 9.6 %   10542   AAB   IEEE 802.11ac WiFi (40MHz, MCS7, 99pc duty cycle)   WLAN   8.65   ± 9.6 %   10542   AAB   IEEE 802.11ac WiFi (40MHz, MCS9, 99pc duty cycle)   WLAN   8.65   ± 9.6 %   10544   AAB   IEEE 802.11ac WiFi (40MHz, MCS9, 99pc duty cycle)   WLAN   8.65   ± 9.6 %   10544   AAB   IEEE 802.11ac WiFi (40MHz, MCS9, 99pc duty cycle)   WLAN   8.67   ± 9.6 %   10545   AAB   IEEE 802.11ac WiFi (80MHz, MCS1, 99pc duty cycle)   WLAN   8.67   ± 9.6 %   10546   AAB   IEEE 802.11ac WiFi (80MHz, MCS1, 99pc duty cycle)   WLAN   8.57   ± 9.6 %   10546   AAB   IEEE 802.11ac WiFi (80MHz, MCS1, 99pc duty cycle)   WLAN   8.35   ± 9.6 %   10546   AAB   IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)   WLAN   8.37   ± 8.6 %   10548   AAB   IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)   WLAN   8.37   ± 8.6 %   10550   AAB   IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)   WLAN   8.37   ± 8.6 %   10550   AAB   IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)   WLAN   8.38   ± 8.6 %   10550   AAB   IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)   WLAN   8.38   ± 8.6 %   10550   AAB   IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)   WLAN   8.42   ± 9.6 %   10550   AAB   IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)   WLAN   8.42   ± 9.6 %   10550   AAC   IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)   WLAN   8.42   ± 9.6 %   10550   AAC   IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)   WLAN   8.45   ± 9.6 %   10550   AAC   IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)   WLAN   8.46   ± 9.6 %   10550   AAC   IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)   WLAN   8.47   ± 9.6 %   10550   AAC   IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)   WLAN   8.48   ± 9.6 %   10550   AAC   IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)   WLAN   8.50   ± 9.6 %   10550   AAC   IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)   WLAN   8.50   ± 9.6 %   10550   AAC   IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)	10540   AAB   IEEE 802.11ac WFF (40MHz, MCSR) 990c duty cycle  WLAN   8.46   8.96   10542   AAB   IEEE 802.11ac WFF (40MHz, MCSR) 990c duty cycle  WLAN   8.65   19.6   10543   AAB   IEEE 802.11ac WFF (40MHz, MCSR) 990c duty cycle  WLAN   8.65   19.6   10544   AAB   IEEE 802.11ac WFF (40MHz, MCSR) 990c duty cycle  WLAN   8.65   19.6   10544   AAB   IEEE 802.11ac WFF (40MHz, MCSR) 990c duty cycle  WLAN   8.65   19.6   10546   AAB   IEEE 802.11ac WFF (40MHz, MCSR) 990c duty cycle  WLAN   8.47   19.5   10546   AAB   IEEE 802.11ac WFF (60MHz, MCSR) 990c duty cycle  WLAN   8.47   19.6   10547   AAB   IEEE 802.11ac WFF (60MHz, MCSR) 990c duty cycle  WLAN   8.48   19.6   10547   AAB   IEEE 802.11ac WFF (60MHz, MCSR) 990c duty cycle  WLAN   8.49   10548   AAB   IEEE 802.11ac WFF (60MHz, MCSR) 990c duty cycle  WLAN   8.49   10548   AAB   IEEE 802.11ac WFF (60MHz, MCSR) 990c duty cycle  WLAN   8.37   19.6   10550   AAB   IEEE 802.11ac WFF (60MHz, MCSR) 990c duty cycle  WLAN   8.38   15.6   10550   AAB   IEEE 802.11ac WFF (60MHz, MCSR) 990c duty cycle  WLAN   8.38   15.6   10550   AAB   IEEE 802.11ac WFF (60MHz, MCSR) 990c duty cycle  WLAN   8.34   15.6   10550   AAB   IEEE 802.11ac WFF (60MHz, MCSR) 990c duty cycle  WLAN   8.42   19.0   10550   AAB   IEEE 802.11ac WFF (60MHz, MCSR) 990c duty cycle  WLAN   8.42   19.0   10550   AAB   IEEE 802.11ac WFF (60MHz, MCSR) 990c duty cycle  WLAN   8.42   19.0   10550   AAC   IEEE 802.11ac WFF (60MHz, MCSR) 990c duty cycle  WLAN   8.42   19.0   10554   AAC   IEEE 802.11ac WFF (60MHz, MCSR) 990c duty cycle  WLAN   8.44   19.0   10555   AAC   IEEE 802.11ac WFF (60MHz, MCSR) 990c duty cycle  WLAN   8.45   19.0   10556   AAC   IEEE 802.11ac WFF (60MHz, MCSR) 990c duty cycle  WLAN   8.45   19.0   10556   AAC   IEEE 802.11ac WFF (60MHz, MCSR) 990c duty cycle  WLAN   8.50   19.0   10556   AAC   IEEE 802.11ac WFF (60MHz, MCSR) 990c duty cycle  WLAN   8.50   19.0   10556   AAC   IEEE 802.11ac WFF (60MHz, MCSR) 990c duty cycle  WLAN   8.50   19.0   10556   AAC   IEEE 802.11ac WFF (60MHz, MC	10538	AAB				± 9.6 %
10541   AAB	10941   AAB   IEEE 802.11ac WIFF (40MHz, MCS3, 99pc duty cycle)   WLAN   8,65   29,6   10943   AAB   IEEE 802.11ac WIFF (40MHz, MCS3, 99pc duty cycle)   WLAN   8,65   29,6   10944   AAB   IEEE 802.11ac WIFF (40MHz, MCS3, 99pc duty cycle)   WLAN   8,65   29,6   10944   AAB   IEEE 802.11ac WIFF (40MHz, MCS3, 99pc duty cycle)   WLAN   8,65   29,6   10945   AAB   IEEE 802.11ac WIFF (40MHz, MCS3, 99pc duty cycle)   WLAN   8,55   29,6   10945   AAB   IEEE 802.11ac WIFF (40MHz, MCS3, 99pc duty cycle)   WLAN   8,55   29,6   10947   AAB   IEEE 802.11ac WIFF (40MHz, MCS3, 99pc duty cycle)   WLAN   8,49   29,6   10950   AAB   IEEE 802.11ac WIFF (40MHz, MCS3, 99pc duty cycle)   WLAN   8,49   29,6   10950   AAB   IEEE 802.11ac WIFF (40MHz, MCS3, 99pc duty cycle)   WLAN   8,38   29,6   10950   AAB   IEEE 802.11ac WIFF (40MHz, MCS3, 99pc duty cycle)   WLAN   8,38   29,6   10950   AAB   IEEE 802.11ac WIFF (40MHz, MCS3, 99pc duty cycle)   WLAN   8,49   29,6   10950   AAB   IEEE 802.11ac WIFF (40MHz, MCS3, 99pc duty cycle)   WLAN   8,49   29,6   10950   AAB   IEEE 802.11ac WIFF (40MHz, MCS3, 99pc duty cycle)   WLAN   8,40   29,6   10950   AAB   IEEE 802.11ac WIFF (40MHz, MCS3, 99pc duty cycle)   WLAN   8,42   29,6   10950   AAB   IEEE 802.11ac WIFF (40MHz, MCS3, 99pc duty cycle)   WLAN   8,42   29,6   10950   AAC   IEEE 802.11ac WIFF (40MHz, MCS3, 99pc duty cycle)   WLAN   8,46   29,6   10950   AAC   IEEE 802.11ac WIFF (40MHz, MCS3, 99pc duty cycle)   WLAN   8,47   29,6   10950   AAC   IEEE 802.11ac WIFF (40MHz, MCS3, 99pc duty cycle)   WLAN   8,47   29,6   10950   AAC   IEEE 802.11ac WIFF (40MHz, MCS3, 99pc duty cycle)   WLAN   8,47   29,6   10950   AAC   IEEE 802.11ac WIFF (40MHz, MCS3, 99pc duty cycle)   WLAN   8,57   29,6   10950   AAC   IEEE 802.11ac WIFF (40MHz, MCS3, 99pc duty cycle)   WLAN   8,57   29,6   10950   AAC   IEEE 802.11ac WIFF (40MHz, MCS3, 99pc duty cycle)   WLAN   8,57   29,6   10950   AAC   IEEE 802.11ac WIFF (40MHz, MCS3, 99pc duty cycle)   WLAN   8,59   29,6   10950   AAC   IEEE 802.11ac WIFF (40MHz, MC			IEEE 802.11ac WiFi (40MHz, MCS6, 99pc duty cycle)			± 9.6 %
10542   AAB	10942				WLAN		± 9.6 %
10543   AAB   IEEE 802.11ac WiFi (40MHz, MCS9, 99pc duty cycle)   WLAN   8.65 ± 9.6 %   10545   AAB   IEEE 802.11ac WiFi (80MHz, MCS9, 99pc duty cycle)   WLAN   8.57 ± 9.6 %   10545   AAB   IEEE 802.11ac WiFi (80MHz, MCS9, 99pc duty cycle)   WLAN   8.55 ± 9.6 %   10547   AAB   IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle)   WLAN   8.35 ± 9.6 %   10547   AAB   IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle)   WLAN   8.37 ± 9.6 %   10548   AAB   IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)   WLAN   8.37 ± 9.6 %   10550   AAB   IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)   WLAN   8.37 ± 9.6 %   10551   AAB   IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)   WLAN   8.30 ± 9.6 %   10553   AAB   IEEE 802.11ac WiFi (80MHz, MCS7, 99pc duty cycle)   WLAN   8.50 ± 9.6 %   10553   AAB   IEEE 802.11ac WiFi (80MHz, MCS7, 99pc duty cycle)   WLAN   8.45 ± 9.6 %   10553   AAB   IEEE 802.11ac WiFi (80MHz, MCS7, 99pc duty cycle)   WLAN   8.45 ± 9.6 %   10553   AAB   IEEE 802.11ac WiFi (80MHz, MCS9, 99pc duty cycle)   WLAN   8.45 ± 9.6 %   10555   AAC   IEEE 802.11ac WiFi (80MHz, MCS9, 99pc duty cycle)   WLAN   8.45 ± 9.6 %   10555   AAC   IEEE 802.11ac WiFi (80MHz, MCS9, 99pc duty cycle)   WLAN   8.45 ± 9.6 %   10555   AAC   IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)   WLAN   8.47 ± 9.6 %   10555   AAC   IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)   WLAN   8.50 ± 9.6 %   10555   AAC   IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)   WLAN   8.50 ± 9.6 %   10556   AAC   IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)   WLAN   8.50 ± 9.6 %   10556   AAC   IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)   WLAN   8.50 ± 9.6 %   10556   AAA   IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)   WLAN   8.50 ± 9.6 %   10556   AAA   IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)   WLAN   8.50 ± 9.6 %   10556   AAA   IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)   WLAN   8.77 ± 9.6 %   10556   AAA   IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)   WLAN   8.79 ± 9.6 %   10556   AAA	109543   AAB   IEEE 802.11ac WIFI (40MHz, MCS9, 99pc duty cycle)   WLAN   8.47   2.9.6		AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 99pc duty cycle)	WLAN		± 9.6 %
10544   AAB	10944   AAB   IEEE 802.11ac WIFI (80MHz, MCS0, 99pc duty cycle)   WILAN   8.55   9.56   10546   AAB   IEEE 802.11ac WIFI (80MHz, MCS1, 99pc duty cycle)   WILAN   8.55   9.56   10547   AAB   IEEE 802.11ac WIFI (80MHz, MCS2, 99pc duty cycle)   WILAN   8.45   9.56   10548   AAB   IEEE 802.11ac WIFI (80MHz, MCS2, 99pc duty cycle)   WILAN   8.37   2.9.6   10548   AAB   IEEE 802.11ac WIFI (80MHz, MCS6, 99pc duty cycle)   WILAN   8.37   2.9.6   10550   AAB   IEEE 802.11ac WIFI (80MHz, MCS6, 99pc duty cycle)   WILAN   8.37   2.9.6   10551   AAB   IEEE 802.11ac WIFI (80MHz, MCS7, 99pc duty cycle)   WILAN   8.45   2.9.6   10551   AAB   IEEE 802.11ac WIFI (80MHz, MCS7, 99pc duty cycle)   WILAN   8.45   2.9.6   10552   AAB   IEEE 802.11ac WIFI (80MHz, MCS9, 99pc duty cycle)   WILAN   8.45   2.9.6   10553   AAB   IEEE 802.11ac WIFI (80MHz, MCS9, 99pc duty cycle)   WILAN   8.45   2.9.6   10554   AAC   IEEE 802.11ac WIFI (80MHz, MCS9, 99pc duty cycle)   WILAN   8.46   2.9.6   10555   AAC   IEEE 802.11ac WIFI (106MHz, MCS9, 99pc duty cycle)   WILAN   8.47   2.9.6   10555   AAC   IEEE 802.11ac WIFI (106MHz, MCS9, 99pc duty cycle)   WILAN   8.47   2.9.6   10555   AAC   IEEE 802.11ac WIFI (106MHz, MCS9, 99pc duty cycle)   WILAN   8.50   2.9.6   10555   AAC   IEEE 802.11ac WIFI (106MHz, MCS9, 99pc duty cycle)   WILAN   8.50   2.9.6   10555   AAC   IEEE 802.11ac WIFI (106MHz, MCS9, 99pc duty cycle)   WILAN   8.50   2.9.6   10556   AAC   IEEE 802.11ac WIFI (106MHz, MCS9, 99pc duty cycle)   WILAN   8.61   2.9.6   10556   AAC   IEEE 802.11ac WIFI (106MHz, MCS9, 99pc duty cycle)   WILAN   8.61   2.9.6   10556   AAC   IEEE 802.11ac WIFI (106MHz, MCS9, 99pc duty cycle)   WILAN   8.67   2.9.6   10556   AAC   IEEE 802.11ac WIFI (106MHz, MCS9, 99pc duty cycle)   WILAN   8.50   2.9.6   10556   AAA   IEEE 802.11ac WIFI (106MHz, MCS9, 99pc duty cycle)   WILAN   8.50   2.9.6   10556   AAA   IEEE 802.11ac WIFI (2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty wilac   WILAN   8.60   2.9.6   10556   AAA   IEEE 802.11ac WIFI (2.4 GHz (DSSS-OFDM, 18 Mbps, 9	10543	AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 99pc duty cycle)			± 9.6 %
10545   AAB   IEEE 802.11ac WiFi (60MHz, MCS1, 99pc duty cycle)   WLAN   8.55   ± 9.5 %   10547   AAB   IEEE 802.11ac WiFi (60MHz, MCS2, 99pc duty cycle)   WLAN   8.49   ± 9.5 %   10547   AAB   IEEE 802.11ac WiFi (60MHz, MCS3, 99pc duty cycle)   WLAN   8.49   ± 9.6 %   10550   AAB   IEEE 802.11ac WiFi (60MHz, MCS4, 99pc duty cycle)   WLAN   8.38   ± 9.6 %   10550   AAB   IEEE 802.11ac WiFi (60MHz, MCS6, 99pc duty cycle)   WLAN   8.38   ± 9.6 %   10551   AAB   IEEE 802.11ac WiFi (60MHz, MCS6, 99pc duty cycle)   WLAN   8.38   ± 9.6 %   10552   AAB   IEEE 802.11ac WiFi (60MHz, MCS9, 99pc duty cycle)   WLAN   8.42   ± 9.5 %   10553   AAB   IEEE 802.11ac WiFi (60MHz, MCS9, 99pc duty cycle)   WLAN   8.45   ± 9.6 %   10555   AAC   IEEE 802.11ac WiFi (60MHz, MCS9, 99pc duty cycle)   WLAN   8.45   ± 9.6 %   10555   AAC   IEEE 802.11ac WiFi (60MHz, MCS9, 99pc duty cycle)   WLAN   8.45   ± 9.6 %   10555   AAC   IEEE 802.11ac WiFi (60MHz, MCS9, 99pc duty cycle)   WLAN   8.47   ± 9.6 %   10555   AAC   IEEE 802.11ac WiFi (60MHz, MCS9, 99pc duty cycle)   WLAN   8.47   ± 9.6 %   10555   AAC   IEEE 802.11ac WiFi (60MHz, MCS9, 99pc duty cycle)   WLAN   8.50   ± 9.6 %   10555   AAC   IEEE 802.11ac WiFi (60MHz, MCS9, 99pc duty cycle)   WLAN   8.52   ± 9.6 %   10555   AAC   IEEE 802.11ac WiFi (60MHz, MCS9, 99pc duty cycle)   WLAN   8.52   ± 9.6 %   10556   AAC   IEEE 802.11ac WiFi (60MHz, MCS9, 99pc duty cycle)   WLAN   8.52   ± 9.6 %   10556   AAC   IEEE 802.11ac WiFi (60MHz, MCS9, 99pc duty cycle)   WLAN   8.73   ± 9.6 %   10556   AAC   IEEE 802.11ac WiFi (60MHz, MCS9, 99pc duty cycle)   WLAN   8.73   ± 9.6 %   10556   AAC   IEEE 802.11ac WiFi (60MHz, MCS9, 99pc duty cycle)   WLAN   8.75   ± 9.6 %   10556   AAA   IEEE 802.11ac WiFi (60MHz, MCS9, 99pc duty cycle)   WLAN   8.75   ± 9.6 %   10556   AAA   IEEE 802.11ac WiFi (60MHz, MCS9, 99pc duty cycle)   WLAN   8.75   ± 9.6 %   10556   AAA   IEEE 802.11ac WiFi (60MHz, MCS9, 99pc duty cycle)   WLAN   8.75   ± 9.6 %   10556   AAA   IEEE 802.11ac WiFi (60MHz, MCS9, 99pc duty cycle)	10945	10544	AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle)	WLAN		
10546   AAB   IEEE 802.11ac WiFl (80MHz, MCS3, 99pc duty cycle)   WLAN   8.35   ± 9.6 %   10548   AAB   IEEE 802.11ac WiFl (80MHz, MCS4, 99pc duty cycle)   WLAN   8.37   ± 9.6 %   10550   AAB   IEEE 802.11ac WiFl (80MHz, MCS4, 99pc duty cycle)   WLAN   8.37   ± 9.6 %   10551   AAB   IEEE 802.11ac WiFl (80MHz, MCS7, 99pc duty cycle)   WLAN   8.37   ± 9.6 %   10551   AAB   IEEE 802.11ac WiFl (80MHz, MCS7, 99pc duty cycle)   WLAN   8.49   ± 9.6 %   10551   AAB   IEEE 802.11ac WiFl (80MHz, MCS7, 99pc duty cycle)   WLAN   8.42   ± 9.6 %   10552   AAB   IEEE 802.11ac WiFl (80MHz, MCS8, 99pc duty cycle)   WLAN   8.42   ± 9.6 %   10553   AAB   IEEE 802.11ac WiFl (80MHz, MCS9, 99pc duty cycle)   WLAN   8.44   ± 9.6 %   10554   AAC   IEEE 802.11ac WiFl (160MHz, MCS9, 99pc duty cycle)   WLAN   8.44   ± 9.6 %   10556   AAC   IEEE 802.11ac WiFl (160MHz, MCS2, 99pc duty cycle)   WLAN   8.47   ± 9.6 %   10556   AAC   IEEE 802.11ac WiFl (160MHz, MCS2, 99pc duty cycle)   WLAN   8.47   ± 9.6 %   10556   AAC   IEEE 802.11ac WiFl (160MHz, MCS2, 99pc duty cycle)   WLAN   8.50   ± 9.6 %   10558   AAC   IEEE 802.11ac WiFl (160MHz, MCS4, 99pc duty cycle)   WLAN   8.52   ± 9.6 %   10556   AAC   IEEE 802.11ac WiFl (160MHz, MCS4, 99pc duty cycle)   WLAN   8.52   ± 9.6 %   10556   AAC   IEEE 802.11ac WiFl (160MHz, MCS4, 99pc duty cycle)   WLAN   8.51   ± 9.6 %   10556   AAC   IEEE 802.11ac WiFl (160MHz, MCS4, 99pc duty cycle)   WLAN   8.52   ± 9.6 %   10556   AAC   IEEE 802.11ac WiFl (160MHz, MCS4, 99pc duty cycle)   WLAN   8.51   ± 9.6 %   10556   AAC   IEEE 802.11ac WiFl (160MHz, MCS4, 99pc duty cycle)   WLAN   8.52   ± 9.6 %   10556   AAC   IEEE 802.11ac WiFl (160MHz, MCS4, 99pc duty cycle)   WLAN   8.53   ± 9.6 %   10556   AAC   IEEE 802.11ac WiFl (150MHz, MCS4, 99pc duty cycle)   WLAN   8.53   ± 9.6 %   10556   AAC   IEEE 802.11ac WiFl (150MHz, MCS5, 99pc duty cycle)   WLAN   8.53   ± 9.6 %   10556   AAC   IEEE 802.11ac WiFl (150MHz, MCS5, 99pc duty cycle)   WLAN   8.53   ± 9.6 %   10556   AAC   IEEE 802.11ac WiFl (150MHz, MCS5, 99	10546   AAB   IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle)   WLAN   8.35   ± 9.6     10548   AAB   IEEE 802.11ac WiFi (80MHz, MCS4, 99pc duty cycle)   WLAN   8.47   ± 9.6     10548   AAB   IEEE 802.11ac WiFi (80MHz, MCS4, 99pc duty cycle)   WLAN   8.37   ± 9.6     10550   AAB   IEEE 802.11ac WiFi (80MHz, MCS6, 99pc duty cycle)   WLAN   8.50   ± 9.6     10551   AAB   IEEE 802.11ac WiFi (80MHz, MCS7, 99pc duty cycle)   WLAN   8.50   ± 9.6     10552   AAB   IEEE 802.11ac WiFi (80MHz, MCS7, 99pc duty cycle)   WLAN   8.45   ± 9.6     10553   AAB   IEEE 802.11ac WiFi (80MHz, MCS9, 99pc duty cycle)   WLAN   8.45   ± 9.6     10554   AAC   IEEE 802.11ac WiFi (80MHz, MCS9, 99pc duty cycle)   WLAN   8.46   ± 9.6     10555   AAC   IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)   WLAN   8.47   ± 9.6     10556   AAC   IEEE 802.11ac WiFi (160MHz, MCS2, 99pc duty cycle)   WLAN   8.47   ± 9.6     10557   AAC   IEEE 802.11ac WiFi (160MHz, MCS2, 99pc duty cycle)   WLAN   8.50   ± 9.6     10558   AAC   IEEE 802.11ac WiFi (160MHz, MCS2, 99pc duty cycle)   WLAN   8.50   ± 9.6     10559   AAC   IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle)   WLAN   8.50   ± 9.6     10550   AAC   IEEE 802.11ac WiFi (160MHz, MCS4, 99pc duty cycle)   WLAN   8.61   ± 9.6     10550   AAC   IEEE 802.11ac WiFi (160MHz, MCS4, 99pc duty cycle)   WLAN   8.61   ± 9.6     10560   AAC   IEEE 802.11ac WiFi (160MHz, MCS4, 99pc duty cycle)   WLAN   8.61   ± 9.6     10561   AAC   IEEE 802.11ac WiFi (160MHz, MCS4, 99pc duty cycle)   WLAN   8.56   ± 9.6     10562   AAC   IEEE 802.11ac WiFi (160MHz, MCS5, 99pc duty cycle)   WLAN   8.56   ± 9.6     10563   AAC   IEEE 802.11ac WiFi (160MHz, MCS5, 99pc duty cycle)   WLAN   8.56   ± 9.6     10564   AAC   IEEE 802.11ac WiFi (160MHz, MCS5, 99pc duty cycle)   WLAN   8.56   ± 9.6     10565   AAC   IEEE 802.11ac WiFi (160MHz, MCS5, 99pc duty cycle)   WLAN   8.57   ± 9.6     10566   AAC   IEEE 802.11ac WiFi (160MHz, MCS5, 99pc duty cycle)   WLAN   8.73   ± 9.6     10567   AAA   IEEE 802.11ac WiFi (150MHz, MCS5, 99	10545	AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 99pc duty cycle)			± 9.6 %
10547   AAB   IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)   WLAN   8.49   ± 9.6 %   10550   AAB   IEEE 802.11ac WiFi (80MHz, MCS6, 99pc duty cycle)   WLAN   8.37   ± 9.6 %   10550   AAB   IEEE 802.11ac WiFi (80MHz, MCS6, 99pc duty cycle)   WLAN   8.38   ± 9.6 %   10551   AAB   IEEE 802.11ac WiFi (80MHz, MCS7, 99pc duty cycle)   WLAN   8.45   ± 9.6 %   10552   AAB   IEEE 802.11ac WiFi (80MHz, MCS7, 99pc duty cycle)   WLAN   8.44   ± 9.6 %   10553   AAB   IEEE 802.11ac WiFi (80MHz, MCS9, 99pc duty cycle)   WLAN   8.44   ± 9.6 %   10553   AAB   IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)   WLAN   8.45   ± 9.6 %   10555   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   8.47   ± 9.6 %   10555   AAC   IEEE 802.11ac WiFi (160MHz, MCS1, 99pc duty cycle)   WLAN   8.50   ± 9.6 %   10555   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 %   10556   AAC   IEEE 802.11ac WiFi (160MHz, MCS6, 99pc duty cycle)   WLAN   8.51   ± 9.6 %   10556   AAC   IEEE 802.11ac WiFi (160MHz, MCS6, 99pc duty cycle)   WLAN   8.56   ± 9.6 %   10556   AAC   IEEE 802.11ac WiFi (160MHz, MCS6, 99pc duty cycle)   WLAN   8.57   ± 9.6 %   10556   AAC   IEEE 802.11ac WiFi (160MHz, MCS8, 99pc duty cycle)   WLAN   8.56   ± 9.6 %   10556   AAC   IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)   WLAN   8.56   ± 9.6 %   10556   AAC   IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)   WLAN   8.56   ± 9.6 %   10556   AAC   IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)   WLAN   8.57   ± 9.6 %   10556   AAC   IEEE 802.11ac WiFi (150MHz, MCS9, 99pc duty cycle)   WLAN   8.59   ± 9.6 %   10556   AAA   IEEE 802.11ac WiFi (150MHz, MCS9, 99pc duty cycle)   WLAN   8.59   ± 9.6 %   10556   AAA   IEEE 802.11ac WiFi (150MHz, MCS9, 99pc duty cycle)   WLAN   8.59   ± 9.6 %   10556   AAA   IEEE 802.11ac WiFi (150MHz, MCS9,	10547   AAB   IEEE 802.11ac WiFi (60MHz, MCS3, 99pc duty cycle)   WLAN   8.49   1.9.6   10550   AAB   IEEE 802.11ac WiFi (60MHz, MCS6, 99pc duty cycle)   WLAN   8.37   2.9.6   10550   AAB   IEEE 802.11ac WiFi (60MHz, MCS6, 99pc duty cycle)   WLAN   8.30   2.9.6   10551   AAB   IEEE 802.11ac WiFi (80MHz, MCS7, 99pc duty cycle)   WLAN   8.50   2.9.6   10552   AAB   IEEE 802.11ac WiFi (80MHz, MCS7, 99pc duty cycle)   WLAN   8.42   2.9.6   10553   AAB   IEEE 802.11ac WiFi (80MHz, MCS7, 99pc duty cycle)   WLAN   8.45   2.9.6   10554   AAC   IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)   WLAN   8.45   2.9.6   10555   AAC   IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)   WLAN   8.47   2.9.6   10555   AAC   IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)   WLAN   8.47   2.9.6   10555   AAC   IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)   WLAN   8.47   2.9.6   10555   AAC   IEEE 802.11ac WiFi (160MHz, MCS1, 99pc duty cycle)   WLAN   8.47   2.9.6   10556   AAC   IEEE 802.11ac WiFi (160MHz, MCS1, 99pc duty cycle)   WLAN   8.52   2.9.6   10556   AAC   IEEE 802.11ac WiFi (160MHz, MCS4, 99pc duty cycle)   WLAN   8.52   2.9.6   10556   AAC   IEEE 802.11ac WiFi (160MHz, MCS4, 99pc duty cycle)   WLAN   8.73   2.9.6   10556   AAC   IEEE 802.11ac WiFi (160MHz, MCS4, 99pc duty cycle)   WLAN   8.73   2.9.6   10556   AAC   IEEE 802.11ac WiFi (160MHz, MCS4, 99pc duty cycle)   WLAN   8.73   2.9.6   10556   AAC   IEEE 802.11ac WiFi (160MHz, MCS4, 99pc duty cycle)   WLAN   8.73   2.9.6   10566   AAC   IEEE 802.11ac WiFi (160MHz, MCS4, 99pc duty cycle)   WLAN   8.77   2.9.6   10566   AAA   IEEE 802.11ac WiFi (160MHz, MCS4, 99pc duty cycle)   WLAN   8.77   2.9.6   10566   AAA   IEEE 802.11ac WiFi (160MHz, MCS4, 99pc duty cycle)   WLAN   8.45   2.9.6   10566   AAA   IEEE 802.11b WiFi 2.4 GHz (DSS5-OFDM, 8 Mbps, 99pc duty   WLAN   8.13   2.9.6   10566   AAA   IEEE 802.11b WiFi 2.4 GHz (DSS5-OFDM, 8 Mbps, 99pc duty   WLAN   8.30   2.9.6   10567   AAA   IEEE 802.11b WiFi 2.4 GHz (DSS5-OFDM, 9 Mbps, 90pc duty   WLAN   8.5	10546	AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle)	WLAN		
10548	10568	10547	AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)	WLAN		
10550	10550	10548	AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 99pc duty cycle)			
10551   AAB   IEEE 802.11ac WiFi (80MHz, MCSR, 99pc duty cycle)   WLAN   8.42 ± 9.6 %   10553   AAB   IEEE 802.11ac WiFi (80MHz, MCSB, 99pc duty cycle)   WLAN   8.42 ± 9.6 %   10553   AAB   IEEE 802.11ac WiFi (80MHz, MCSB, 99pc duty cycle)   WLAN   8.45 ± 9.6 %   10554   AAC   IEEE 802.11ac WiFi (160MHz, MCSB, 99pc duty cycle)   WLAN   8.47 ± 9.6 %   10555   AAC   IEEE 802.11ac WiFi (160MHz, MCSB, 99pc duty cycle)   WLAN   8.47 ± 9.6 %   10556   AAC   IEEE 802.11ac WiFi (160MHz, MCSB, 99pc duty cycle)   WLAN   8.50 ± 9.6 %   10556   AAC   IEEE 802.11ac WiFi (160MHz, MCSB, 99pc duty cycle)   WLAN   8.50 ± 9.6 %   10558   AAC   IEEE 802.11ac WiFi (160MHz, MCSB, 99pc duty cycle)   WLAN   8.50 ± 9.6 %   10558   AAC   IEEE 802.11ac WiFi (160MHz, MCSB, 99pc duty cycle)   WLAN   8.61 ± 9.6 %   10560   AAC   IEEE 802.11ac WiFi (160MHz, MCSB, 99pc duty cycle)   WLAN   8.73 ± 9.6 %   10561   AAC   IEEE 802.11ac WiFi (160MHz, MCSB, 99pc duty cycle)   WLAN   8.73 ± 9.6 %   10562   AAC   IEEE 802.11ac WiFi (160MHz, MCSB, 99pc duty cycle)   WLAN   8.56 ± 9.6 %   10564   AAC   IEEE 802.11ac WiFi (160MHz, MCSB, 99pc duty cycle)   WLAN   8.56 ± 9.6 %   10564   AAA   IEEE 802.11ac WiFi (160MHz, MCSB, 99pc duty cycle)   WLAN   8.57 ± 9.6 %   10564   AAA   IEEE 802.11ac WiFi (160MHz, MCSB, 99pc duty cycle)   WLAN   8.57 ± 9.6 %   10566   AAA   IEEE 802.11ac WiFi (160MHz, MCSB, 99pc duty cycle)   WLAN   8.57 ± 9.6 %   10566   AAA   IEEE 802.11ac WiFi (160MHz, MCSB, 99pc duty cycle)   WLAN   8.45 ± 9.6 %   10566   AAA   IEEE 802.11ac WiFi (160MHz, MCSB, 99pc duty cycle)   WLAN   8.45 ± 9.6 %   10566   AAA   IEEE 802.11ac WiFi (160MHz, MCSB, 99pc duty cycle)   WLAN   8.45 ± 9.6 %   10566   AAA   IEEE 802.11ac WiFi (160MHz, MCSB, 99pc duty cycle)   WLAN   8.45 ± 9.6 %   10566   AAA   IEEE 802.11ac WiFi (160MHz, MCSB, 99pc duty cycle)   WLAN   8.59 ± 9.6 %   10566   AAA   IEEE 802.11ac WiFi (160MHz, MCSB, 99pc duty cycle)   WLAN   8.59 ± 9.6 %   10566   AAA   IEEE 802.11ac WiFi (160Mz, 80z)   10567   AAA   IEEE 802.11ac WiFi (160Mz,	10551   AAB   IEEE 802.11ac WiFi (80MHz, MCS7, 99pc duty cycle)	10550	AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 99pc duty cycle)	WLAN		
10552   AAB   IEEE 802.11ac WiFi (80MHz, MCS8, 99pc duty cycle)   WLAN   8.42   19.6 %   10554   AAC   IEEE 802.11ac WiFi (160MHz, MCS0, 99pc duty cycle)   WLAN   8.45   19.6 %   10555   AAC   IEEE 802.11ac WiFi (160MHz, MCS0, 99pc duty cycle)   WLAN   8.48   19.6 %   10555   AAC   IEEE 802.11ac WiFi (160MHz, MCS2, 99pc duty cycle)   WLAN   8.50   19.6 %   10555   AAC   IEEE 802.11ac WiFi (160MHz, MCS2, 99pc duty cycle)   WLAN   8.50   19.6 %   10557   AAC   IEEE 802.11ac WiFi (160MHz, MCS2, 99pc duty cycle)   WLAN   8.50   19.6 %   10558   AAC   IEEE 802.11ac WiFi (160MHz, MCS2, 99pc duty cycle)   WLAN   8.51   19.6 %   10558   AAC   IEEE 802.11ac WiFi (160MHz, MCS2, 99pc duty cycle)   WLAN   8.61   19.6 %   10558   AAC   IEEE 802.11ac WiFi (160MHz, MCS2, 99pc duty cycle)   WLAN   8.73   19.6 %   10560   AAC   IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle)   WLAN   8.73   19.6 %   10562   AAC   IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle)   WLAN   8.56   19.6 %   10563   AAC   IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle)   WLAN   8.56   19.6 %   10563   AAC   IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle)   WLAN   8.56   19.6 %   10563   AAA   IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle)   WLAN   8.56   19.6 %   10566   AAA   IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle)   WLAN   8.25   19.6 %   10566   AAA   IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle)   WLAN   8.35   19.6 %   10566   AAA   IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle)   WLAN   8.35   19.6 %   10566   AAA   IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle)   WLAN   8.35   19.6 %   10566   AAA   IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle)   WLAN   8.37   19.6 %   10566   AAA   IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle)   WLAN   8.37   19.6 %   10566   AAA   IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle)   WLAN   8.37   19.6 %   10566   AAA   IEEE 802.11ac WiFi (160Mz, Mz, Mz, Mz, Mz, Mz, Mz, Mz, Mz, Mz,	10552	10551	AAB		WLAN		
10553	10553	10552	AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 99pc duty cycle)	WLAN		
10554	10554	10553	AAB				
10555	10555	10554	AAC				
10556	10556	10555	AAC				
10557	10557						
10568	10568	10557					
10560	10560						
10561	10561   AAC   IEEE 802.11ac WiFi (160MHz, MCST, 99pc duty cycle)   WLAN   8.56   ± 9.6						
10562	10562						
10563	10563			IEEE 802.11ac WiFi (160MHz, MCS8, 99pc duty cycle)			
10564	10564						
Cycle   10565	Cycle   10565						
10565	10565	,000.	1.000		WEAK	0.23	1 5.0 %
10566	10566	10565	AAA		WIAN	8.45	+96%
10566	10566		' ' ' '		1100	0.40	1 3.0 %
10567	10567	10566	AAA		WIAN	8 13	+96%
10567	10567					0.10	2 0.0 /0
10568	Loycle         Cycle         Cycle         Cycle         LEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty cycle)         WLAN         8.37         ± 9.6 cycle           10569         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle)         WLAN         8.10         ± 9.6 cycle)           10570         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty cycle)         WLAN         8.30         ± 9.6 cycle)           10571         AAA         IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)         WLAN         1.99         ± 9.6 cycle)           10572         AAA         IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)         WLAN         1.99         ± 9.6 cycle)           10573         AAA         IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)         WLAN         1.98         ± 9.6 cycle)           10574         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)         WLAN         1.98         ± 9.6 cycle)           10575         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)         WLAN         8.59         ± 9.6 cycle)           10576         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)         WLAN         8.70         ± 9.6 cycle)           10578         AAA	10567	AAA		WLAN	8.00	+96%
10568	10568				***************************************	0.00	2 3.0 76
10569	10569	10568	AAA		WLAN	8.37	+96%
10569	10569					0.07	2 0.0 /0
Cycle	Cycle   Cycl	10569	AAA		WLAN	8 10	+96%
10570	10570				776731	0.10	2 3.0 /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   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, 9 Mbps, 90pc duty cycle)   WLAN   8.60   ± 9.6 %   10577   AAA   IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)   WLAN   8.70   ± 9.6 %   10578   AAA   IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)   WLAN   8.49   ± 9.6 %   10579   AAA   IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle)   WLAN   8.36   ± 9.6 %   10580   AAA   IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)   WLAN   8.76   ± 9.6 %   10581   AAA   IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)   WLAN   8.35   ± 9.6 %   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   8.35   ± 9.6 %   10582   AAA   IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)   WLAN   8.36   ± 9.6 %   10582   AAA   IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)   10582   AAA   IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)   10582   AAA   IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)   10580   AAA   IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)   10580   AAA   IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)   10580   AAA   IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)   10580   AAA   IEEE 802.11g W	10571	10570	AAA		WLAN	8.30	+96%
10571	10571				1	0.00	_ 0.0 /0
10572	10572	10571	AAA		WLAN	1.99	+9.6%
10573	10573						
10574	10574						
10575	10575						
Cycle   10576	cycle)         cycle)         cycle)         WLAN         8.60         ± 9.6 cycle)           10577         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)         WLAN         8.70         ± 9.6 cycle)           10578         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)         WLAN         8.49         ± 9.6 cycle)           10579         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle)         WLAN         8.36         ± 9.6 cycle)           10580         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)         WLAN         8.76         ± 9.6 cycle)           10581         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)         WLAN         8.35         ± 9.6 cycle)           10582         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)         WLAN         8.67         ± 9.6 cycle)           10583         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)         WLAN         8.59         ± 9.6 cycle)           10584         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)         WLAN         8.60         ± 9.6 cycle)           10585         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)         WLAN <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
10576	10576	. 50, 0			AAFOIA	0.55	± 3.0 %
Cycle   10577   AAA   IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle   10578   AAA   IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle   10579   AAA   IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle   10580   AAA   IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle   10580   AAA   IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle   10581   AAA   IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle   10581   AAA   IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle   10582   AAA   IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)   10582   AAA   IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)   WLAN   8.67   ± 9.6 % cycle   10582   AAA   IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)   WLAN   8.67   ± 9.6 % cycle   10582   AAA   IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)   WLAN   8.67   ± 9.6 % cycle   10582   AAA   IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)   WLAN   8.67   ± 9.6 % cycle   10582   AAA   IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle   10582   AAA   IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle   10582   AAA   IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle   10582   AAA   IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle   10582   AAA   IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle   10582   AAA   IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle   10582   AAA   IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle   10582   AAA   IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle   10582   AAA   IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle   10582   AAA   IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle   10582   AAA   IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle   10582   AAA   IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle   10582   AAA   I	Cycle   10577   AAA   IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty   WLAN   8.70   ± 9.6	10576	AAA		WLAN	8.60	+96%
10577	10577				VILAIN	0.00	± 5.0 /6
Cycle   Cycl	10578	10577	AAA		WLAN	8.70	+96%
10578	10578				1 ***	0.70	2 3.0 %
Cycle   Cycl	cycle)         cycle)         Cycle)         WLAN         8.36         ± 9.6 (cycle)           10580         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)         WLAN         8.76         ± 9.6 (cycle)           10581         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)         WLAN         8.35         ± 9.6 (cycle)           10582         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)         WLAN         8.67         ± 9.6 (cycle)           10583         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)         WLAN         8.59         ± 9.6 (cycle)           10584         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)         WLAN         8.60         ± 9.6 (cycle)           10585         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)         WLAN         8.60         ± 9.6 (cycle)	10578	AAA		WIAN	8.49	+96%
10579         AAA         IÉEE 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 %	10579		, 5 91		1417014	0.48	± 9.0 76
cycle)         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 %	cycle)         cycle)         WLAN         8.76         ± 9.6 or cycle)           10580         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)         WLAN         8.76         ± 9.6 or cycle)           10581         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)         WLAN         8.35         ± 9.6 or cycle)           10582         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)         WLAN         8.67         ± 9.6 or cycle)           10583         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)         WLAN         8.59         ± 9.6 or cycle)           10584         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)         WLAN         8.60         ± 9.6 or cycle)           10585         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)         WLAN         8.70         ± 9.6 or cycle)	10579	AAA		WLAN	8.36	+96%
10580         AAA         IÉEE 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 %	10580	.50,0	, , , , ,		I WEST	0.30	± 5.0 %
cycle)         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 %	cycle)         cycle)         WLAN         8.35         ± 9.6 (cycle)           10581         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)         WLAN         8.35         ± 9.6 (cycle)           10582         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)         WLAN         8.67         ± 9.6 (cycle)           10583         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)         WLAN         8.59         ± 9.6 (cycle)           10584         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)         WLAN         8.60         ± 9.6 (cycle)           10585         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)         WLAN         8.70         ± 9.6 (cycle)	10580	AAA		WI AN	8.76	+96%
10581         AAA         IÉEE 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 %	10581		, , , ,		YYLAIN	0.70	± 3.0 70
cycle)         Cycle           10582         AAA           IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)         WLAN   8.67 ± 9.6 %	cycle)         cycle)           10582         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)         WLAN         8.67         ± 9.6 vc/cle)           10583         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)         WLAN         8.59         ± 9.6 vc/cle)           10584         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)         WLAN         8.60         ± 9.6 vc/cle)           10585         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)         WLAN         8.70         ± 9.6 vc/cle)	10581	ААА		WLAN	8 35	+96%
10582 AAA IÉEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle) WLAN 8.67 ± 9.6 %	10582         AAA         IÉEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)         WLAN         8.67         ± 9.6 (2.2 kg/s)           10583         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)         WLAN         8.59         ± 9.6 (2.2 kg/s)           10584         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)         WLAN         8.60         ± 9.6 (2.2 kg/s)           10585         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)         WLAN         8.70         ± 9.6 (2.2 kg/s)		,,,,,		AA EVIA	0.33	± 5.0 %
cycle)	cycle)         cycle)           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	10582	ΔΔΔ		MIAN	8.67	+069/
	10583         AAB         IÉEE 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	.0002	~~		WEAR	0.07	E 9.0 %
LTUDBS LAAB LIEEE 8UZ 118/N WIELS GHZ (OFOM 6 Mbps Q0ps duty cycle) LW/LAN LOSO L±0.60/L	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	10583	AAR		WI AN	8 50	+060/
112 11 0.00 2	10585 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle) WLAN 8.70 ± 9.6						
	TOUGHT AND THEE OUR TRAIT WHELD GITE (OF DIVI, TO WIDDS, SUDC CULV CYCLE)   WLAN   1 8.49   1 + 9.6.5						
	10587 AAB   IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)   WLAN   8.36   ± 9.6 °	10007	WP	IEEE OUZ. I Tanti WIFI 5 GHZ (OFDIVI, 24 IVIDPS, SUPC DUTY CYCIE)	I WLAN	8.36	± 9.6 %

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10588	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.76	± 9.6 %
10589	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.35	± 9.6 %
10590	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.67	±9.6%
10591	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc duty cycle)	WLAN	8.63	± 9.6 %
10592	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc duty cycle)	WLAN	8.79	± 9.6 %
10593	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc duty cycle)	WLAN	8.64	±9.6%
10594	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc duty cycle)	WLAN	8.74	± 9.6 %
10595	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc duty cycle)	WLAN	8.74	± 9.6 %
10596	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc duty cycle)	WLAN	8.71	± 9.6 %
10597	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc duty cycle)	WLAN	8.72	± 9.6 %
10598	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc duty cycle)	WLAN	8.50	± 9.6 %
10599	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc duty cycle)	WLAN	8.79	± 9.6 %
10600	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc duty cycle)	WLAN	8.88	±9.6%
10601	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10602	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc duty cycle)	WLAN	8.94	± 9.6 %
10603	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc duty cycle)	WLAN	9.03	±9.6%
10604	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc duty cycle)	WLAN	8.76	±9.6%
10605	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle)	WLAN	8.97	±9.6%
10606	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10607	AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 90pc duty cycle)	WLAN	8.64	± 9.6 %
10608	AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc duty cycle)	WLAN	8.77	± 9.6 %
10609	AAB	IEEE 802.11ac WiFi (20MHz, MCS2, 90pc duty cycle)	WLAN	8.57	± 9.6 %
10610	AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 90pc duty cycle)	WLAN	8.78	± 9.6 %
10611	AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 90pc duty cycle)	WLAN	8.70	± 9.6 %
10612	AAB	IEEE 802.11ac WiFi (20MHz, MCS5, 90pc duty cycle)	WLAN	8.77	± 9.6 %
10613	AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 90pc duty cycle)	WLAN	8.94	±9.6%
10614	AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 90pc duty cycle)	WLAN	8.59	± 9.6 %
10615	AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10616	AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10617	AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 90pc duty cycle)	WLAN	8.81	± 9.6 %
10618	AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 90pc duty cycle)	WLAN	8.58	± 9.6 %
10619	AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duty cycle)	WLAN	8.86	± 9.6 %
10620	AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle)	WLAN	8.87	± 9.6 %
10621	AAB	IEEE 802.11ac WiFi (40MHz, MCS5, 90pc duty cycle)	WLAN	8.77	± 9.6 %
10622	AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle)	WLAN	8.68	± 9.6 %
10623	AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10624	AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 90pc duty cycle)	WLAN	8.96	± 9.6 %
10625	AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle)	WLAN	8.96	± 9.6 %
10626	AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle)	WLAN	8.83	± 9.6 %
10627	AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 90pc duty cycle)	WLAN	8.88	± 9.6 %
10628	AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle)	WLAN	8.71	± 9.6 %
10629	AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle)	WLAN	8.85	± 9.6 %
10630	AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle)	WLAN	8.72	± 9.6 %
10631	AAB	IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)	WLAN	8.81	± 9.6 %
10632	AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)	WLAN	8.74	± 9.6 %
10633	AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle)	WLAN	8.83	± 9.6 %
10634	AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle)	WLAN	8.80	± 9.6 %
10635	AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)	WLAN	8.81	± 9.6 %
10636	AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 90pc duty cycle)	WLAN	8.83	± 9.6 %
10637	AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle)	WLAN	8.79	± 9.6 %
10638	AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cycle)	WLAN	8.86	± 9.6 %
10639	AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)	WLAN	8.85	±9.6 %
10640	AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle)	WLAN	8.98	± 9.6 %
10641	AAC	IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle)	WLAN	9.06	± 9.6 %
10642	AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle)	WLAN	9.06	± 9.6 %
10643	AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle)	WLAN	8.89	± 9.6 %
10644	AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle)	WLAN	9.05	± 9.6 %
10645	AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)	WLAN	9.11	± 9.6 %
10646	AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)	LTE-TDD	11.96	± 9.6 %
10647	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)	LTE-TDD	11.96	± 9.6 %
10648	AAA	CDMA2000 (1x Advanced)	CDMA2000	3.45	± 9.6 %
10652	AAD	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.91	± 9.6 %
10653	AAD	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.42	± 9.6 %
10654	AAD	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.96	± 9.6 %

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