Annex Z. Calibration Certificate for Probe and Dipole

The SPEAG calibration certificates are shown as follows.

Report No.: SFBFJZ-WTW-P22040598 R1



CALIBRATION LABORATORY

CALIBRATION **CNAS L0570**

Add: No.52 Huan Yuan Bei Road, Haidian District, Beijing, 100191, Cf Tel: ÷86-10-62304633-2079 E-mail: cttl@chinaπl.com

Fax: +86-10-62304633-2504 http://www.chinattl.cn

Certificate No: **B.V.ADT**

Z21-60279

CALIBRATION CERTIFICATE

Client

Object D750V3 - SN: 1013

Calibration Procedure(s) FF-Z11-003-01

Calibration Procedures for dipole validation kits

Calibration date: August 31, 2021

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

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

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID#	Cal Date (Calibrated by, Certificate No.)	Scheduled Calibration
Power Meter NRP2	106277	23-Sep-20 (CTTL, No.J20X08336)	Sep-21
Power sensor NRP8S	104291	23-Sep-20 (CTTL, No.J20X08336)	Sep-21
Reference Probe EX3DV4	SN 7517	03-Feb-21(CTTL-SPEAG,No.Z21-60001)	Feb-22
DAE3	SN 536	06-Nov-20(CTTL-SPEAG,No.Z20-60452)	Nov-21
Secondary Standards	ID#	Cal Date (Calibrated by, Certificate No.)	Scheduled Calibration
Signal Generator E4438C	MY49071430	01-Feb-21 (CTTL, No.J21X00593)	Jan-22
NetworkAnalyzer E5071C	MY46110673	14-Jan-21 (CTTL, No.J21X00232)	Jan-22

	Name	Function	Signature
Calibrated by:	Zhao Jing	SAR Test Engineer	基
Reviewed by:	Lin Hao	SAR Test Engineer	林粉
Approved by:	Qi Dianyuan	SAR Project Leader	-20

Issued: September 6, 2021

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

Certificate No: Z21-60279

Page 1 of 6

Report No.: SFBFJZ-WTW-P22040598 R1

Add: No.52 HuanYuanBei Road, Haidian District, Beijing, 100191, China Tel: +86-10-62304633-2079 Fax: +86-10-62304633-2504 http://www.chinattl.cn

Glossary:

TSL tissue simulating liquid

ConvF sensitivity in TSL / NORMx,y,z N/A not applicable or not measured

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 assessment of specific absorption rate of human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices- Part 1: Device used next to the ear (Frequency range of 300MHz to 6GHz)", July 2016
- c) IEC 62209-2, "Procedure to measure the Specific Absorption Rate (SAR) For wireless communication devices used in close proximity to the human body (frequency range of 30MHz to 6GHz)", March 2010
- d) KDB865664, SAR Measurement Requirements for 100 MHz to 6 GHz

Additional Documentation:

e) DASY4/5 System Handbook

Methods Applied and Interpretation of Parameters:

- Measurement Conditions: Further details are available from the Validation Report at the end
 of the certificate. All figures stated in the certificate are valid at the frequency indicated.
- Antenna Parameters with TSL: The dipole is mounted with the spacer to position its feed
 point exactly below the center marking of the flat phantom section, with the arms oriented
 parallel to the body axis.
- Feed Point Impedance and Return Loss: These parameters are measured with the dipole
 positioned under the liquid filled phantom. The impedance stated is transformed from the
 measurement at the SMA connector to the feed point. The Return Loss ensures low
 reflected power. No uncertainty required.
- Electrical Delay: One-way delay between the SMA connector and the antenna feed point.
 No uncertainty required.
- SAR measured: SAR measured at the stated antenna input power.
- SAR normalized: SAR as measured, normalized to an input power of 1 W at the antenna connector.
- SAR for nominal TSL parameters: The measured TSL parameters are used to calculate the nominal SAR result.

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%.

Certificate No: Z21-60279 Page 2 of 6

Add: No.52 Huan Yuan Bei Road, Haidian District, Beijing, 100191, China

Tel: +86-10-62304633-2079 Fax: +86-10-62304633-2504 http://www.chinattl.cn

Measurement Conditions

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

DASY Version	DASY52	V52.10.4
Extrapolation	Advanced Extrapolation	
Phantom	Triple Flat Phantom 5.1C	
Distance Dipole Center - TSL	15 mm	with Spacer
Zoom Scan Resolution	dx, dy, dz = 5 mm	
Frequency	750 MHz ± 1 MHz	

Head TSL parameters

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22 0 °C	42.0	0.90 mho/m
Measured Head TSL parameters	(22.0 ± 0.2) °C	41.8 ± 6 %	0.90 mho/m ± 6 %
Head TSL temperature change during test	<1.0 °C		

SAR result with Head TSL

SAR averaged over 1 cm ³ (1 g) of Head TSL	Condition	
SAR measured	250 mW input power	2.15 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	8.56 W/kg ± 18.8 % (k=2)
SAR averaged over 10 cm³ (10 g) of Head TSL	Condition	
SAR measured	250 mW input power	1.41 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	5.62 W/kg ± 18.7 % (k=2)

Certificate No: Z21-60279 Page 3 of 6

Add: No.52 Huan Yuan Bei Road, Haidian District, Beijing, 100191, China Tel: +86-10-62304633-2079 Fax: +86-10-62304633-2504

E-mail: cttl@chinattl.com http://www.chinattl.cn

Appendix (Additional assessments outside the scope of CNAS L0570)

Antenna Parameters with Head TSL

Impedance, transformed to feed point	53.6Ω+ 0.26¡Ω	
Return Loss	- 29.2dB	

General Antenna Parameters and Design

Electrical Delay (one direction) 0.941 ns

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

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

Additional EUT Data

Manufactured by	SPEAG	

Certificate No: Z21-60279 Page 4 of 6

Add: No.52 Huan Yuan Bei Road, Haidian District, Beijing, 100191, China

Tel: +86-10-62304633-2079 Fax: +86-10-62304633-2504 E-mail: ettl@chinattl.com http://www.chinattl.en

DASY5 Validation Report for Head TSL

Test Laboratory: CTTL, Beijing, China

DUT: Dipole 750 MHz; Type: D750V3; Serial: D750V3 - SN: 1013

Communication System: UID 0, CW; Frequency: 750 MHz; Duty Cycle: 1:1

Medium parameters used: f = 750 MHz; $\sigma = 0.895 \text{ S/m}$; $\varepsilon_r = 41.82$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY5 Configuration:

 Probe: EX3DV4 - SN7517; ConvF(9.81, 9.81, 9.81) @ 750 MHz; Calibrated: 2021-02-03

Date: 08.31.2021

• Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE3 Sn\$36; Calibrated: 2020-11-06

Phantom: MFP_V5.1C (20deg probe tilt); Type: QD 000 P51 Cx; Serial: 1062

 Measurement SW: DA\$Y52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Dipole Calibration/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm,

dy=5mm, dz=5mm

Reference Value = 55.83 V/m; Power Drift = -0.01 dB

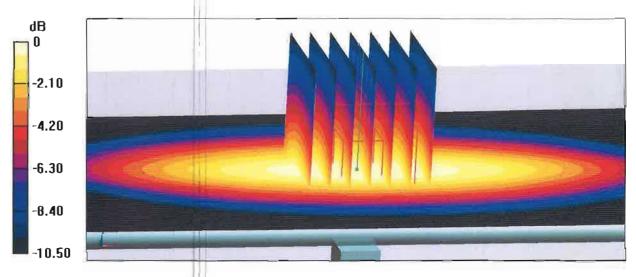
Peak SAR (extrapolated) = 3.36 W/kg

SAR(1 g) = 2.15 W/kg; SAR(10 g) = 1.41 W/kg

Smallest distance from peaks to all points 3 dB below = 18.6 mm

Ratio of SAR at M2 to SAR at M1 = 64.1%

Maximum value of SAR (measured) = 2.92 W/kg



0 dB = 2.92 W/kg = 4.65 dBW/kg

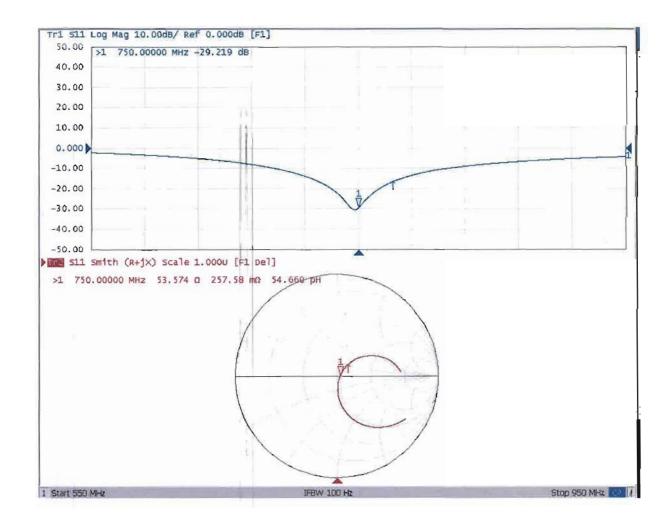
Certificate No: Z21-60279 Page 5 of 6



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Tel: +86-10-62304633-2079 http://www.chinattl.cn E-mail: cttl@chinattl.com

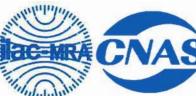
Impedance Measurement Plot for Head TSL





CALIBRATION LABORATORY

Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, Chi Tel: +86-10-62304633-2079 Fax: +86-10-62304633-2504 E-mail: cttl@chinattl.com http://www.chinattl.cn



CALIBRATION **CNAS L0570**

Client

B.V.ADT

Certificate No:

Z21-60280

CALIBRATION CERTIFICATE

Object D835V2 - SN: 4d121

Calibration Procedure(s)

FF-Z11-003-01

Calibration Procedures for dipole validation kits

Calibration date:

August 31, 2021

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

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

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID#	Cal Date (Calibrated by, Certificate No.)	Scheduled Calibration
Power Meter NRP2	106277	23-Sep-20 (CTTL, No.J20X08336)	Sep-21
Power sensor NRP8S	104291	23-Sep-20 (CTTL, No.J20X08336)	Sep-21
Reference Probe EX3DV4	SN 7517	03-Feb-21(CTTL-SPEAG,No.Z21-60001)	Feb-22
DAE3	SN 536	06-Nov-20(CTTL-SPEAG,No.Z20-60452)	Nov-21
Secondary Standards	ID#	Cal Date (Calibrated by, Certificate No.)	Scheduled Calibration
Signal Generator E4438C	MY49071430	01-Feb-21 (CTTL, No.J21X00593)	Jan-22
NetworkAnalyzer E5071C	MY46110673	14-Jan-21 (CTTL, No.J21X00232)	Jan-22

Name Function Calibrated by: Zhao Jing SAR Test Engineer Reviewed by: Lin Hao SAR Test Engineer

Approved by: Qi Dianyuan SAR Project Leader

Issued: September 6, 2021

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Certificate No: Z21-60280

Page 1 of 6

Report No.: SFBFJZ-WTW-P22040598 R1

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Glossary:

TSL tissue simulating liquid

ConvF sensitivity in TSL / NORMx,y,z N/A not applicable or not measured

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 assessment of specific absorption rate of human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices- Part 1: Device used next to the ear (Frequency range of 300MHz to 6GHz)", July 2016
- c) IEC 62209-2, "Procedure to measure the Specific Absorption Rate (SAR) For wireless communication devices used in close proximity to the human body (frequency range of 30MHz to 6GHz)", March 2010
- d) KDB865664, SAR Measurement Requirements for 100 MHz to 6 GHz

Additional Documentation:

e) DASY4/5 System Handbook

Methods Applied and Interpretation of Parameters:

- Measurement Conditions: Further details are available from the Validation Report at the end
 of the certificate. All figures stated in the certificate are valid at the frequency indicated.
- Antenna Parameters with TSL: The dipole is mounted with the spacer to position its feed point exactly below the center marking of the flat phantom section, with the arms oriented parallel to the body axis.
- Feed Point Impedance and Return Loss: These parameters are measured with the dipole
 positioned under the liquid filled phantom. The impedance stated is transformed from the
 measurement at the SMA connector to the feed point. The Return Loss ensures low
 reflected power. No uncertainty required.
- Electrical Delay: One-way delay between the SMA connector and the antenna feed point.
 No uncertainty required.
- SAR measured: SAR measured at the stated antenna input power.
- SAR normalized: SAR as measured, normalized to an input power of 1 W at the antenna connector.
- SAR for nominal TSL parameters: The measured TSL parameters are used to calculate the nominal SAR result.

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%.

Certificate No: Z21-60280 Page 2 of 6

Report No.: SFBFJZ-WTW-P22040598 R1
Cancels and replaces the report no.: SFBFJZ-WTW-P22040598 dated on Jul. 22, 2022



Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, China

Tel: +86-10-62304633-2079 E-mail: cttl@chinattl.com Fax: +86-10-62304633-2504 http://www.chinattl.cn

Measurement Conditions

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

DASY Version	DASY52	V52.10.4
Extrapolation	Advanced Extrapolation	
Phantom	Triple Flat Phantom 5.1C	
Distance Dipole Center - TSL	15 mm	with Spacer
Zoom Scan Resolution	dx, dy, dz = 5 mm	
Frequency	835 MHz ± 1 MHz	

Head TSL parameters

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	41 5	0.90 mho/m
Measured Head TSL parameters	(22.0 ± 0.2) °C	41.7 ± 6 %	0.88 mho/m ± 6 %
Head TSL temperature change during test	<1.0 °C		_

SAR result with Head TSL

SAR averaged over 1 cm ³ (1 g) of Head TSL	Condition	
SAR measured	250 mW input power	2.36 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	9.58 W/kg ± 18.8 % (k=2)
SAR averaged over 10 cm ³ (10 g) of Head TSL	Condition	
SAR measured	250 mW input power	1.53 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	6.19 W/kg ± 18.7 % (k=2)

Certificate No: Z21-60280 Page 3 of 6



Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, China

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Fax: +86-10-62304633-2504 http://www.chinattl.cn

Appendix (Additional assessments outside the scope of CNAS L0570)

Antenna Parameters with Head TSL

Impedance, transformed to feed point	51.4Ω- 3.55jΩ
Return Loss	- 28.5dB

General Antenna Parameters and Design

Electrical Delay (one direction)	1.301 ns

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

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

Additional EUT Data

Manufactured by	H	:	SPEAG

Certificate No: Z21-60280 Page 4 of 6



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DASY5 Validation Report for Head TSL

Test Laboratory: CTTL, Beijing, China

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN: 4d121

Communication System: UID 0, CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium parameters used: f = 835 MHz; $\sigma = 0.884$ S/m; $\varepsilon_r = 41.66$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY5 Configuration:

 Probe: EX3DV4 - SN7517; ConvF(9.81, 9.81, 9.81) @ 835 MHz; Calibrated: 2021-02-03

Date: 08.31.2021

• Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE3 Sn536; Calibrated: 2020-11-06

Phantom: MFP_V5.1C (20deg probe tilt); Type: QD 000 P51 Cx; Serial: 1062

 Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Dipole Calibration/Zoom Scap (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm,

dy=5mm, dz=5mm

Reference Value = 58.83 V/m; Power Drift = 0.00 dB

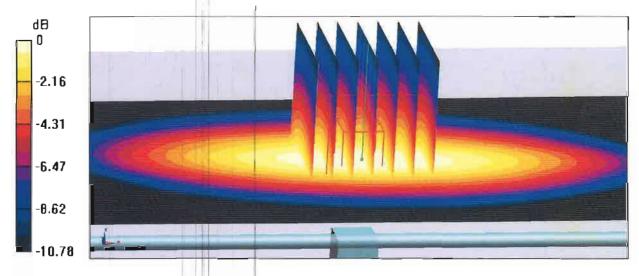
Peak SAR (extrapolated) = 3.72 W/kg

SAR(1 g) = 2.36 W/kg; SAR(10 g) = 1.53 W/kg

Smallest distance from peaks to all points 3 dB below = 18.6 mm

Ratio of SAR at M2 to SAR at M1 = 63.7%

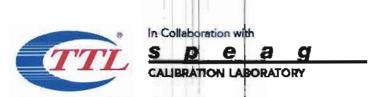
Maximum value of SAR (measured) = 3.24 W/kg



0 dB = 3.24 W/kg = 5.11 dBW/kg

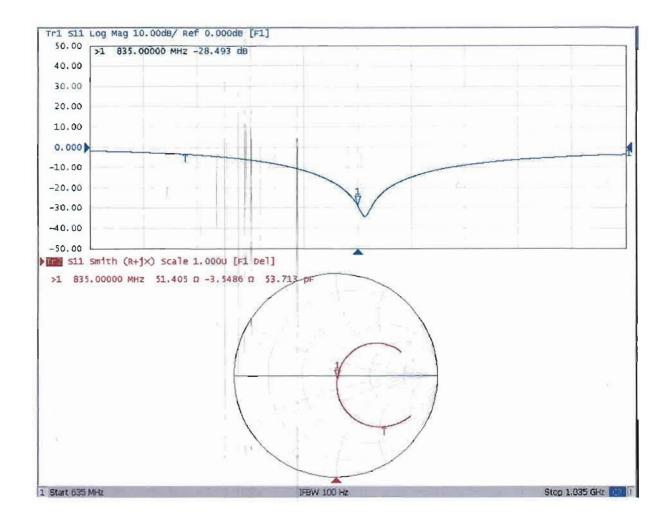
Certificate No: Z21-60280 Page 5 of 6

Report No. : SFBFJZ-WTW-P22040598 R1
Cancels and replaces the report no. : SFBFJZ-WTW-P22040598 dated on Jul. 22, 2022



Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, China Tel: +86-10-62304633-2079 Fax: +86-10-62304633-2504 http://www.chinattl.cn

Impedance Measurement Plot for Head TSL

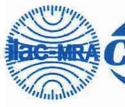




s p e a g



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E-mail: ettl@chinattl.com http://www.chinattl.cn





Client

B.V.ADT

Certificate No:

Z21-60283

CALIBRATION CERTIFICATE

Object D1750V2 - SN: 1055

Calibration Procedure(s)

FF-Z11-003-01

Calibration Procedures for dipole validation kits

Calibration date:

September 2, 2021

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

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

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID#	Cal Date (Calibrated by, Certificate No.)	Scheduled Calibration
Power Meter NRP2	106277	23-Sep-20 (CTTL, No.J20X08336)	Sep-21
Power sensor NRP8S	104291	23-Sep-20 (CTTL, No.J20X08336)	Sep-21
Reference Probe EX3DV4	SN 7517	03-Feb-21(CTTL-SPEAG,No.Z21-60001)	Feb-22
DAE4	SN 1556	15-Jan-21(SPEAG,No.DAE4-1556_Jan21)	Jan-22
Secondary Standards	ID#	Cal Date (Calibrated by, Certificate No.)	Scheduled Calibration
Signal Generator E4438C	MY49071430	01-Feb-21 (CTTL, No.J21X00593)	Jan-22
NetworkAnalyzer E5071C	MY46110673	14-Jan-21 (CTTL, No.J21X00232)	Jan-22

	Name	Function	Signature
Calibrated by:	Zhao Jing	SAR Test Engineer	多
Reviewed by:	Lin Hao	SAR Test Engineer	林光
Approved by:	Qi Dianyuan	SAR Project Leader	- on

Issued: September 8, 2021

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

Certificate No: Z21-60283

Page 1 of 6

Report No.: SFBFJZ-WTW-P22040598 R1



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Glossary:

TSL tissue simulating liquid

ConvF sensitivity in TSL / NORMx,y,z N/A not applicable or not measured

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 assessment of specific absorption rate of human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices- Part 1: Device used next to the ear (Frequency range of 300MHz to 6GHz)", July 2016
- c) IEC 62209-2, "Procedure to measure the Specific Absorption Rate (SAR) For wireless communication devices used in close proximity to the human body (frequency range of 30MHz to 6GHz)", March 2010
- d) KDB865664, SAR Measurement Requirements for 100 MHz to 6 GHz

Additional Documentation:

e) DASY4/5 System Handbook

Methods Applied and Interpretation of Parameters:

- Measurement Conditions: Further details are available from the Validation Report at the end
 of the certificate. All figures stated in the certificate are valid at the frequency indicated.
- Antenna Parameters with TSL: The dipole is mounted with the spacer to position its feed
 point exactly below the center marking of the flat phantom section, with the arms oriented
 parallel to the body axis.
- Feed Point Impedance and Return Loss: These parameters are measured with the dipole
 positioned under the liquid filled phantom. The impedance stated is transformed from the
 measurement at the SMA connector to the feed point. The Return Loss ensures low
 reflected power. No uncertainty required.
- Electrical Delay: One-way delay between the SMA connector and the antenna feed point.
 No uncertainty required.
- SAR measured: SAR measured at the stated antenna input power.
- SAR normalized: SAR as measured, normalized to an input power of 1 W at the antenna connector.
- SAR for nominal TSL parameters: The measured TSL parameters are used to calculate the nominal SAR result.

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%.

Certificate No: Z21-60283 Page 2 of 6



Add: No.52 Hua Yuan Bei Road, Haidian District, Beijing, 100191, China Tel: +86-10-62304633-2079 Fax: -86-10-62304633-2504

E-mail: cttl@chinattl.com http://www.chinattl.cn

Measurement Conditions

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

DASY Version	DASY52	V52.10.4
Extrapolation	Advanced Extrapolation	
Phantom	Triple Flat Phantom 5.1C	
Distance Dipole Center - TSL	10 mm	with Spacer
Zoom Scan Resolution	dx, dy, dz = 5 mm	
Frequency	1750 MHz ± 1 MHz	

Head TSL parameters

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	40.1	1.37 mho/m
Measured Head TSL parameters	(22.0 ± 0.2) °C	40.4 ± 6 %	1.36 mho/m ± 6 %
Head TSL temperature change during test	<1.0 °C		

SAR result with Head TSL

SAR averaged over 1 cm ³ (1 g) of Head TSL	Condition	il .
SAR measured	250 mW input power	8.90 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	35.8 W/kg ± 18.8 % (k=2)
SAR averaged over 10 cm ³ (10 g) of Head TSL	Condition	
SAR measured	250 mW input power	4.64 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	18.6 W/kg ± 18.7 % (k=2)

Certificate No: Z21-60283 Page 3 of 6

Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, China

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Appendix (Additional assessments outside the scope of CNAS L0570)

Antenna Parameters with Head TSL

Impedance, transformed to feed point	48.7Ω- 1.56jΩ
Return Loss	- 33.8 dB

General Antenna Parameters and Design

Electrical Delay (one direction)	1.123 ns

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

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

Additional EUT Data

	_		
Manufactured by		SPE	EAG

Certificate No: Z21-60283

Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, China Tel: +86-10-62304633-2079 Fax: +86-10-62304633-2504 http://www.chinattl.cn

DASY5 Validation Report for Head TSL

Test Laboratory: CTTL, Beijing, China

DUT: Dipole 1750 MHz; Type: D1750V2; Serial: D1750V2 - SN: 1055

Communication System: UID 0, CW; Frequency: 1750 MHz; Duty Cycle: 1:1 Medium parameters used: f = 1750 MHz; $\sigma = 1.364 \text{ S/m}$; $\varepsilon_r = 40.4$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY5 Configuration:

 Probe: EX3DV4 - SN7517; ConvF(8.22, 8.22, 8.22) @ 1750 MHz; Calibrated: 2021-02-03

Date: 09.02.2021

- Sensor-Surface: 1.4mm; (Mechanical Surface Detection)
- Electronics: DAE4 Sn | 556; Calibrated: 2021-01-15
- Phantom: MFP_V5.1Q (20deg probe tilt); Type: QD 000 P51 Cx; Serial: 1062
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

System Performance Check/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid:

dx=5mm, dy=5mm, dz=5mm

Reference Value = 97.84 V/m | Power Drift = 0.00 dB

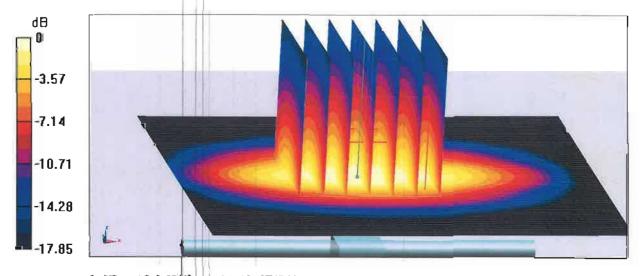
Peak SAR (extrapolated) = 1710 W/kg

SAR(1 g) = 8.9 W/kg; SAR(10 g) = 4.64 W/kg

Smallest distance from peaks to all points 3 dB below = 10 mm

Ratio of SAR at M2 to SAR at M1 = 52.6%

Maximum value of SAR (measured) = 13.9 W/kg



0 dB = 13.9 W/kg = 11.43 dBW/kg

Certificate No: Z21-60283 Page 5 of 6

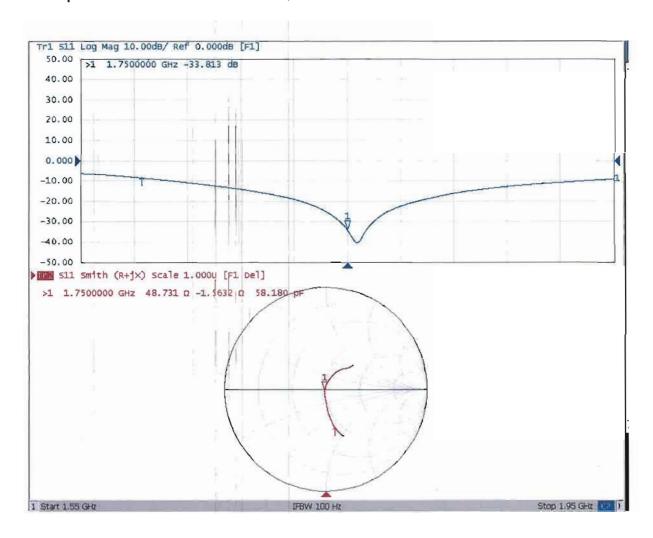
Report No.: SFBFJZ-WTW-P22040598 R1
Cancels and replaces the report no.: SFBFJZ-WTW-P22040598 dated on Jul. 22, 2022



Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, China

Tel: +86-10-62304633-2079 Fax: +86-10-62304633-2504 E-mail: cttl@chinattl.com http://www.chinattl.cn

Impedance Measurement Plot for Head TSL



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





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S wiss Calibration Service

Accreditation No.: SCS 0108

Certificate No: D1900V2-5d036_Jan21

Accredited by the Swiss Accreditation Service (SAS)

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

Client

B.V. ADT (Auden)

CALIBRATION CERTIFICATE

Object D1900V2 - SN:5d036

Calibration procedure(s) QA CAL-05.v11

Calibration Procedure for SAR Validation Sources between 0.7-3 GHz

Calibration date: January 22, 2021

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

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

Calibration Equipment used (M&TE critical for calibration)

ID#	Cal Date (Certificate No.)	Scheduled Calibration
SN: 104778	01-Apr-20 (No. 217-03100/03101)	Apr-21
SN: 103244	01-Apr-20 (No. 217-03100)	Apr-21
SN: 103245	01-Apr-20 (No. 217-03101)	Apr-21
SN: BH9394 (20k)	31-Mar-20 (No. 217-03106)	Apr-21
SN: 310982 / 06327	31-Mar-20 (No. 217-03104)	Apr-21
SN: 7349	28-Dec-20 (No. EX3-7349_Dec20)	Dec-21
SN: 601	02-Nov-20 (No. DAE4-601_Nov20)	Nov-21
10		
ID#	Check Date (in house)	Scheduled Check
SN: GB39512475	30-Oct-14 (in house check Oct-20)	In house check: Oct-22
SN: US37292783	07-Oct-15 (in house check Oct-20)	In house check: Oct-22
SN: MY41092317	07-Oct-15 (in house check Oct-20)	In house check: Oct-22
SN: 100972	15-Jun-15 (in house check Oct-20)	In house check: Oct-22
SN: US41080477	31-Mar-14 (in house check Oct-20)	In house check: Oct-21
Name	Function	Signature
Jeffrey Katzman	Laboratory Technician	1. Kot
Katja Pokovic	Technical Manager	00186
	SN: 104778 SN: 103244 SN: 103245 SN: 8H9394 (20k) SN: 310982 / 06327 SN: 7349 SN: 601 ID # SN: GB39512475 SN: US37292783 SN: MY41092317 SN: 100972 SN: US41080477 Name Jeffrey Katzman	SN: 104778

Issued: January 25, 2021

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Certificate No: D1900V2-5d036_Jan21

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Report No.: SFBFJZ-WTW-P22040598 R1 Cancels and replaces the report no.: SFBFJZ-WTW-P22040598 dated on Jul. 22, 2022

Calibration Laboratory of

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





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

Accreditation No.: SCS 0108

Accredited by the Swiss Accreditation Service (SAS)

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

Glossary:

TSL

tissue simulating liquid

ConvF

sensitivity in TSL / NORM x,y,z

N/A not applicable or not measured

Calibration is Performed According to the Following Standards:

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

Additional Documentation:

e) DASY4/5 System Handbook

Methods Applied and Interpretation of Parameters:

- *Measurement Conditions:* Further details are available from the Validation Report at the end of the certificate. All figures stated in the certificate are valid at the frequency indicated.
- Antenna Parameters with TSL: The dipole is mounted with the spacer to position its feed point exactly below the center marking of the flat phantom section, with the arms oriented parallel to the body axis.
- Feed Point Impedance and Return Loss: These parameters are measured with the dipole positioned under the liquid filled phantom. The impedance stated is transformed from the measurement at the SMA connector to the feed point. The Return Loss ensures low reflected power. No uncertainty required.
- Electrical Delay: One-way delay between the SMA connector and the antenna feed point.
 No uncertainty required.
- SAR measured: SAR measured at the stated antenna input power.
- SAR normalized: SAR as measured, normalized to an input power of 1 W at the antenna connector.
- SAR for nominal TSL parameters: The measured TSL parameters are used to calculate the nominal SAR result.

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%.

Certificate No: D1900V2-5d036_Jan21

Page 2 of 6

Report No.: SFBFJZ-WTW-P22040598 R1 Cancels and replaces the report no.: SFBFJZ-WTW-P22040598 dated on Jul. 22, 2022

Measurement Conditions

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

DASY Version	DASY5	V52.10.4
Extrapolation	Advanced Extrapolation	
Phantom	Modular Flat Phantom	
Distance Dipole Center - TSL	10 mm	with Spacer
Zoom Scan Resolution	dx, dy , $dz = 5 mm$	
Frequency	1900 MHz ± 1 MHz	

Head TSL parameters

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	40.0	1.40 mho/m
Measured Head TSL parameters	(22.0 ± 0.2) °C	41.2 ± 6 %	1.39 mho/m ± 6 %
Head TSL temperature change during test	< 0.5 °C		

SAR result with Head TSL

SAR averaged over 1 cm ³ (1 g) of Head TSL	Condition	
SAR measured	250 mW input power	10.0 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	40.4 W/kg ± 17.0 % (k=2)

SAR averaged over 10 cm ³ (10 g) of Head TSL	condition	
SAR measured	250 mW input power	5.23 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	21.1 W/kg ± 16.5 % (k=2)

Certificate No: D1900V2-5d036_Jan21

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Appendix (Additional assessments outside the scope of SCS 0108)

Antenna Parameters with Head TSL

Impedance, transformed to feed point	50.4 Ω + 5.3 jΩ
Return Loss	- 25.5 dB

General Antenna Parameters and Design

	Y
Electrical Delay (one direction)	1.195 ns

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

The dipole is made of standard semirigid coaxial cable. The center conductor of the feeding line is directly connected to the second arm of the dipole. The antenna is therefore short-circuited for DC-signals. On some of the dipoles, small end caps are added to the dipole arms in order to improve matching when loaded according to the position as explained in the "Measurement Conditions" paragraph. The SAR data are not affected by this change. The overall dipole length is still according to the Standard.

No excessive force must be applied to the dipole arms, because they might bend or the soldered connections near the feedpoint may be damaged.

Additional EUT Data

Manufactured by	SPEAG

Certificate No: D1900V2-5d036_Jan21

Page 4 of 6

Report No.: SFBFJZ-WTW-P22040598 R1 Cancels and replaces the report no.: SFBFJZ-WTW-P22040598 dated on Jul. 22, 2022

DASY5 Validation Report for Head TSL

Date: 22.01.2021

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:5d036

Communication System: UID 0 - CW; Frequency: 1900 MHz

Medium parameters used: f = 1900 MHz; $\sigma = 1.39 \text{ S/m}$; $\varepsilon_r = 41.2$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY52 Configuration:

Probe: EX3DV4 - SN7349; ConvF(8.43, 8.43, 8.43) @ 1900 MHz; Calibrated: 28.12.2020

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn601; Calibrated: 02.11.2020

Phantom: Flat Phantom 5.0 (front); Type: QD 000 P50 AA; Serial: 1001

DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Dipole Calibration for Head Tissue/Pin=250 mW, d=10mm/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 109.8 V/m; Power Drift = 0.03 dB

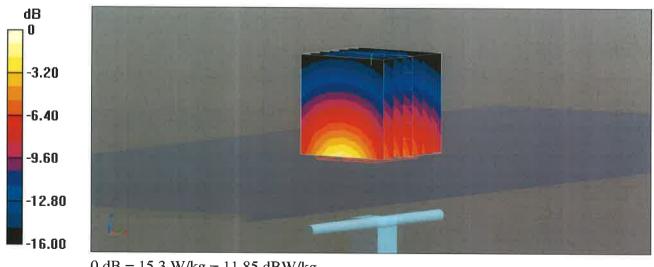
Peak SAR (extrapolated) = 18.4 W/kg

SAR(1 g) = 10.0 W/kg; SAR(10 g) = 5.23 W/kg

Smallest distance from peaks to all points 3 dB below = 9.8 mm

Ratio of SAR at M2 to SAR at M1 = 55.3%

Maximum value of SAR (measured) = 15.3 W/kg

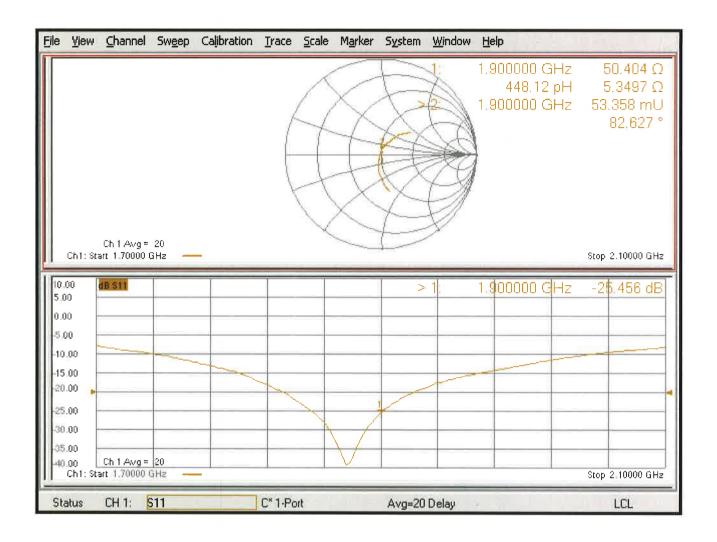


0 dB = 15.3 W/kg = 11.85 dBW/kg

Certificate No: D1900V2-5d036_Jan21

Page 5 of 6

Impedance Measurement Plot for Head TSL

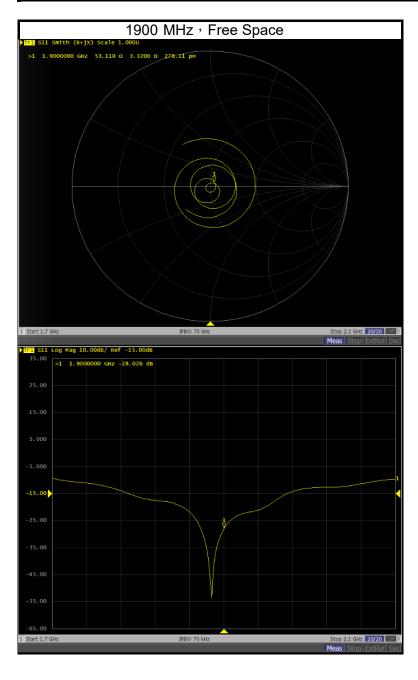




Annual Confirmation of SAR Reference Dipole

Model: D1900V2 S/N: 5d036 Measurement Date: 2022/1/21

Frequency (MHz)	Туре	Item	Previous Measurement	Annual Check	Deviation	Accepted Tolerance	Result
		Real Impedance	50.404	53.110	2.71	±5Ω	PASS
1900	Free Space	Imaginary Impedance	0.5336	3.3200	2.79	±5Ω	PASS
		Return Loss	-25.456	-28.026	10.10%	±20%	PASS



Report No. : SFBFJZ-WTW-P22040598 R1 Cancels and replaces the report no. : SFBFJZ-WTW-P22040598 dated on Jul. 22, 2022



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Client

B.V.ADT

Certificate No:

Z21-60284

CALIBRATION CERTIFICATE

Tel: +86-10-62304633-2079

E-mail: enl@chinattl.com

Object D2450V2 - SN: 737

Calibration Procedure(s)

FF-Z11-003-01

Calibration Procedures for dipole validation kits

Calibration date:

August 26, 2021

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

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

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID#	Cal Date (Calibrated by, Certificate No.)	Scheduled Calibration
Power Meter NRP2	106277	23-Sep-20 (CTTL, No.J20X08336)	Sep-21
Power sensor NRP8S	104291	23-Sep-20 (CTTL, No.J20X08336)	Sep-21
Reference Probe EX3DV4	SN 7517	03-Feb-21(CTTL-SPEAG,No.Z21-60001)	Feb-22
DAE3 SN 536 06-Nov-20(CTTL-SPEAG,No.Z20-60452)		Nov-21	
Secondary Standards	ID#	Cal Date (Calibrated by, Certificate No.)	Scheduled Calibration
Signal Generator E4438C	MY49071430	01-Feb-21 (CTTL, No.J21X00593)	Jan-22
NetworkAnalyzer E5071C MY46110673		14-Jan-21 (CTTL, No.J21X00232)	Jan-22

	Name	Function	Signature
Calibrated by:	Zhao Jing	SAR Test Engineer	Lits.
Reviewed by:	Lin Hao	SAR Test Engineer	种路
Approved by:	Qi Dianyuan	SAR Project Leader	500

Issued: August 31, 2021

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Certificate No: Z21-60284

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Report No.: SFBFJZ-WTW-P22040598 R1



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Glossary:

TSL tissue simulating liquid

ConvF sensitivity in TSL / NORMx,y,z N/A not applicable or not measured

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 assessment of specific absorption rate of human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices- Part 1: Device used next to the ear (Frequency range of 300MHz to 6GHz)", July 2016
- c) IEC 62209-2, "Procedure to measure the Specific Absorption Rate (SAR) For wireless communication devices used in close proximity to the human body (frequency range of 30MHz to 6GHz)", March 2010
- d) KDB865664, SAR Measurement Requirements for 100 MHz to 6 GHz

Additional Documentation:

e) DASY4/5 System Handbook

Methods Applied and Interpretation of Parameters:

- Measurement Conditions: Further details are available from the Validation Report at the end
 of the certificate. All figures stated in the certificate are valid at the frequency indicated.
- Antenna Parameters with TSL: The dipole is mounted with the spacer to position its feed
 point exactly below the center marking of the flat phantom section, with the arms oriented
 parallel to the body axis.
- Feed Point Impedance and Return Loss: These parameters are measured with the dipole
 positioned under the liquid filled phantom. The impedance stated is transformed from the
 measurement at the SMA connector to the feed point. The Return Loss ensures low
 reflected power. No uncertainty required.
- Electrical Delay: One-way delay between the SMA connector and the antenna feed point.
 No uncertainty required.
- SAR measured: SAR measured at the stated antenna input power.
- SAR normalized: SAR as me asured, normalized to an input power of 1 W at the antenna connector.
- SAR for nominal TSL parameters: The measured TSL parameters are used to calculate the nominal SAR result.

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%.

Certificate No: Z21-60284

Page 2 of 6



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Measurement Conditions

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

DASY Version	DASY52	V52.10.4
Extrapolation	Advanced Extrapolation	
Phantom	Triple Flat Phantom 5.1C	
Distance Dipole Center - TSL	10 mm	with Spacer
Zoom Scan Resolution	dx, dy, dz = 5 mm	
Frequency	2450 MHz ± 1 MHz	

Head TSL parameters

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	39 2	1.80 mho/m
Measured Head TSL parameters	(22.0 ± 0.2) °C	40.0 ± 6 %	1.77 mho/m ± 6 %
Head TSL temperature change during test	<1.0 °C		

SAR result with Head TSL

SAR averaged over 1 cm ³ (1 g) of Head TSL	Condition	
SAR measured	250 mW input power	13.0 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	52.6 W/kg ± 18.8 % (k=2)
SAR averaged over 10 cm ³ (10 g) of Head TSL	Condition	
SAR measured	250 mW input power	5.92 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	23.9 W/kg ± 18.7 % (k=2)

Certificate No: Z21-60284

Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, China Tel: +86-10-62304633-2079 Fax: +86-10-62304633-2504 http://www.chinattl.cn

Appendix (Additional assessments outside the scope of CNAS L0570)

Antenna Parameters with Head TSL

Impedance, transformed to feed point	54.0Ω+ 4.29jΩ
Return Loss	- 25.0dB

General Antenna Parameters and Design

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

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

Additional EUT Data

Manufactured by		SPEAG	_
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Certificate No: Z21-60284

Page 4 of 6

Report No.: SFBFJZ-WTW-P22040598 R1



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DASY5 Validation Report for Head TSL

Test Laboratory: CTTL, Beijing, China

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN: 737

Communication System: UID 0, CW; Frequency: 2450 MHz; Duty Cycle: 1:1 Medium parameters used: f = 2450 MHz; $\sigma = 1.772$ S/m; $\varepsilon_r = 40.04$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY5 Configuration:

 Probe: EX3DV4 - SN7517; ConvF(7.34, 7.34, 7.34) @ 2450 MHz; Calibrated: 2021-02-03

Date: 08.26.2021

• Sensor-Surface: 1.4mm|(Mechanical Surface Detection)

• Electronics: DAE3 Sn536; Calibrated: 2020-11-06

Phantom: MFP_V5.1 C (20deg probe tilt); Type: QD 000 P51 Cx; Serial: 1062

 Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Dipole Calibration/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 108.5 V/m; Power Drift = -0.01 dB

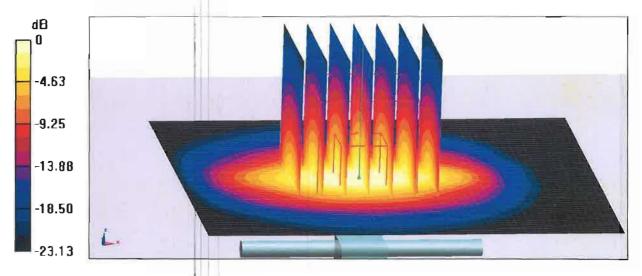
Peak SAR (extrapolated) = 27.8 W/kg

SAR(1 g) = 13 W/kg; SAR(10 g) = 5.92 W/kg

Smallest distance from peaks to all points 3 dB below = 9 mm

Ratio of SAR at M2 to SAR at M1 = 46.7%

Maximum value of SAR (measured) = 22.3 W/kg



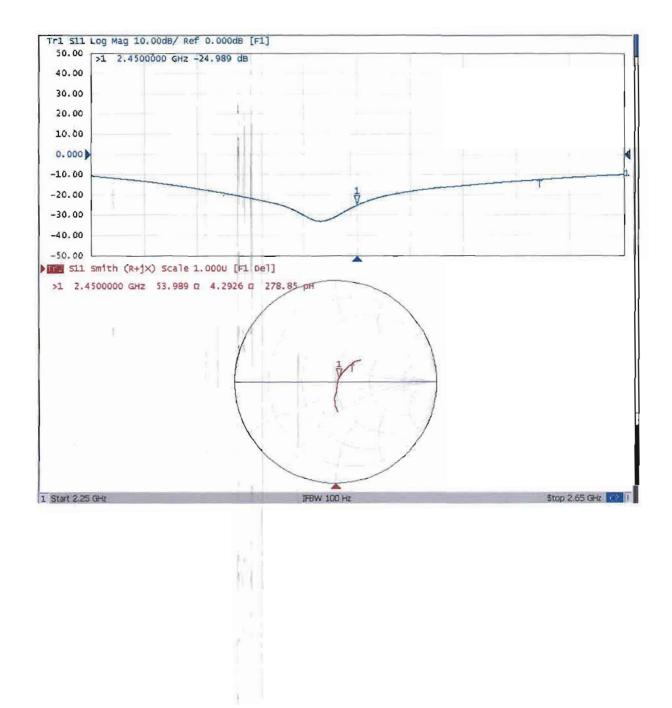
0 dB = 22.3 W/kg = 13.48 dBW/kg

Certificate No: Z21-60284 Page 5 of 6



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Impedance Measurement Plot for Head TSL



Certificate No: Z21-60284 Page 6 of 6

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





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Swiss Calibration Service

Accreditation No.: SCS 0108

Accredited by the Swiss Accreditation Service (SAS)

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Client

B.V. ADT (Auden)

Certificate No: D5GHzV2-1019_Mar21

CALIBRATION CERTIFICATE

Object

D5GHzV2 - SN:1019

Calibration procedure(s)

QA CAL-22.v6

Calibration Procedure for SAR Validation Sources between 3-10 GHz

Calibration date:

March 19, 2021

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

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

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID#	Cal Date (Certificate No.)	Scheduled Calibration
Power meter NRP	SN: 104778	01-Apr-20 (No. 217-03100/03101)	Apr-21
Power sensor NRP-Z91	SN: 103244	01-Apr-20 (No. 217-03100)	Apr-21
Power sensor NRP-Z91	SN: 103245	01-Apr-20 (No. 217-03101)	Apr-21
Reference 20 dB Attenuator	SN: BH9394 (20k)	31-Mar-20 (No. 217-03106)	Apr-21
Type-N mismatch combination	SN: 310982 / 06327	31-Mar-20 (No. 217-03104)	Apr-21
Reference Probe EX3DV4	SN: 3503	30-Dec-20 (No. EX3-3503_Dec20)	Dec-21
DAE4	SN: 601	02-Nov-20 (No. DAE4-601_Nov20)	Nov-21
Secondary Standards	ID#	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: GB39512475	30-Oct-14 (in house check Oct-20)	In house check: Oct-22
Power sensor HP 8481A	SN: US37292783	07-Oct-15 (in house check Oct-20)	In house check: Oct-22
Power sensor HP 8481A	SN: MY41092317	07-Oct-15 (in house check Oct-20)	In house check: Oct-22
RF generator R&S SMT-06	SN: 100972	15-Jun-15 (in house check Oct-20)	In house check: Oct-22
Network Analyzer Agilent E8358A	SN: US41080477	31-Mar-14 (in house check Oct-20)	In house check: Oct-21
	Name	Function	Signature
Calibrated by:	Claudio Leubler	Laboratory Technician	
			144
			90
Approved by:	Katja Pokovic	Technical Manager	and (
			The state of the s

Page 1 of 8

Issued: March 19, 2021

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Certificate No: D5GHzV2-1019_Mar21

Report No.: SFBFJZ-WTW-P22040598 R1

Calibration Laboratory of

Schmid & Partner
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Zeughausstrasse 43, 8004 Zurich, Switzerland





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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

Glossarv:

TSL tissue simulating liquid

ConvF sensitivity in TSL / NORM x,y,z N/A not applicable or not measured

Calibration is Performed According to the Following Standards:

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

Additional Documentation:

e) DASY4/5 System Handbook

Methods Applied and Interpretation of Parameters:

- Measurement Conditions: Further details are available from the Validation Report at the end of the certificate. All figures stated in the certificate are valid at the frequency indicated.
- Antenna Parameters with TSL: The dipole is mounted with the spacer to position its feed point exactly below the center marking of the flat phantom section, with the arms oriented parallel to the body axis.
- Feed Point Impedance and Return Loss: These parameters are measured with the dipole
 positioned under the liquid filled phantom. The impedance stated is transformed from the
 measurement at the SMA connector to the feed point. The Return Loss ensures low
 reflected power. No uncertainty required.
- Electrical Delay: One-way delay between the SMA connector and the antenna feed point.
 No uncertainty required.
- SAR measured: SAR measured at the stated antenna input power.
- *SAR normalized:* SAR as measured, normalized to an input power of 1 W at the antenna connector.
- SAR for nominal TSL parameters: The measured TSL parameters are used to calculate the nominal SAR result.

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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Measurement Conditions

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

DASY Version	DASY5	V52.10.4
Extrapolation	Advanced Extrapolation	
Phantom	Modular Flat Phantom V5.0	
Distance Dipole Center - TSL	10 mm	with Spacer
Zoom Scan Resolution	dx, dy = 4.0 mm, dz = 1.4 mm	Graded Ratio = 1.4 (Z direction)
Frequency	5250 MHz ± 1 MHz 5600 MHz ± 1 MHz 5750 MHz ± 1 MHz	

Head TSL parameters at 5250 MHz

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	35.9	4.71 mho/m
Measured Head TSL parameters	(22.0 ± 0.2) °C	34.7 ± 6 %	4.51 mho/m ± 6 %
Head TSL temperature change during test	< 0.5 °C	<u>4744</u>).	HALE:

SAR result with Head TSL at 5250 MHz

SAR averaged over 1 cm ³ (1 g) of Head TSL	Condition	
SAR measured	100 mW input power	8.13 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	80.6 W/kg ± 19.9 % (k=2)

SAR averaged over 10 cm ³ (10 g) of Head TSL	condition	
SAR measured	100 mW input power	2.32 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	23.0 W/kg ± 19.5 % (k=2)

Head TSL parameters at 5600 MHz

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	35.5	5.07 mho/m
Measured Head TSL parameters	(22.0 ± 0.2) °C	34.2 ± 6 %	4.86 mho/m ± 6 %
Head TSL temperature change during test	< 0.5 °C	:####!	

SAR result with Head TSL at 5600 MHz

SAR averaged over 1 cm ³ (1 g) of Head TSL	Condition	
SAR measured	100 mW input power	8.32 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	82.4 W/kg ± 19.9 % (k=2)

SAR averaged over 10 cm³ (10 g) of Head TSL	condition	
SAR measured	100 mW input power	2.36 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	23.3 W/kg ± 19.5 % (k=2)

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Report No. : SFBFJZ-WTW-P22040598 R1 Cancels and replaces the report no. : SFBFJZ-WTW-P22040598 dated on Jul. 22, 2022

Head TSL parameters at 5750 MHz The following parameters and calculations were applied.

The following parameters and ediculations were appropriate	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	35.4	5.22 mho/m
Measured Head TSL parameters	(22.0 ± 0.2) °C	34.0 ± 6 %	5.01 mho/m ± 6 %
Head TSL temperature change during test	< 0.5 °C	MARES.	0.000

SAR result with Head TSL at 5750 MHz

SAR averaged over 1 cm³ (1 g) of Head TSL	Condition	
SAR measured	100 mW input power	8.02 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	79.4 W/kg ± 19.9 % (k=2)

SAR averaged over 10 cm ³ (10 g) of Head TSL	condition	
SAR measured	100 mW input power	2.27 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	22.4 W/kg ± 19.5 % (k=2)

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Appendix (Additional assessments outside the scope of SCS 0108)

Antenna Parameters with Head TSL at 5250 MHz

Impedance, transformed to feed point	54.1 Ω - 6.4 jΩ
Return Loss	- 22.7 dB

Antenna Parameters with Head TSL at 5600 MHz

Impedance, transformed to feed point	57.6 Ω - 2.5 jΩ
Return Loss	- 22.6 dB

Antenna Parameters with Head TSL at 5750 MHz

Impedance, transformed to feed point	57.9 Ω + 3.1 jΩ
Return Loss	- 22.1 dB

General Antenna Parameters and Design

Electrical Delay (one direction)	1.203 ns
----------------------------------	----------

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

The dipole is made of standard semirigid coaxial cable. The center conductor of the feeding line is directly connected to the second arm of the dipole. The antenna is therefore short-circuited for DC-signals. On some of the dipoles, small end caps are added to the dipole arms in order to improve matching when loaded according to the position as explained in the "Measurement Conditions" paragraph. The SAR data are not affected by this change. The overall dipole length is still according to the Standard.

No excessive force must be applied to the dipole arms, because they might bend or the soldered connections near the feedpoint may be damaged.

Additional EUT Data

Manufactured by	SPEAG

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Report No.: SFBFJZ-WTW-P22040598 R1 Cancels and replaces the report no.: SFBFJZ-WTW-P22040598 dated on Jul. 22, 2022

DASY5 Validation Report for Head TSL

Date: 19.03.2021

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole D5GHzV2; Type: D5GHzV2; Serial: D5GHzV2 - SN:1019

Communication System: UID 0 - CW; Frequency: 5250 MHz, Frequency: 5600 MHz, Frequency: 5750 MHz

Medium parameters used: f = 5250 MHz; $\sigma = 4.51$ S/m; $\epsilon_r = 34.7$; $\rho = 1000$ kg/m³ Medium parameters used: f = 5600 MHz; $\sigma = 4.86$ S/m; $\epsilon_r = 34.2$; $\rho = 1000$ kg/m³ Medium parameters used: f = 5750 MHz; $\sigma = 5.01$ S/m; $\epsilon_r = 34$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY52 Configuration:

- Probe: EX3DV4 SN3503; ConvF(5.5, 5.5, 5.5) @ 5250 MHz, ConvF(5.1, 5.1, 5.1) @ 5600 MHz, ConvF(5.08, 5.08, 5.08) @ 5750 MHz; Calibrated: 30.12.2020
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 02.11.2020
- Phantom: Flat Phantom 5.0 (front); Type: QD 000 P50 AA; Serial: 1001
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Dipole Calibration for Head Tissue/Pin=100mW, dist=10mm, f=5250 MHz/Zoom Scan,

dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 79.20 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 27.6 W/kg

SAR(1 g) = 8.13 W/kg; SAR(10 g) = 2.32 W/kg

Smallest distance from peaks to all points 3 dB below = 7.2 mm

Ratio of SAR at M2 to SAR at M1 = 70.7%

Maximum value of SAR (measured) = 18.1 W/kg

Dipole Calibration for Head Tissue/Pin=100mW, dist=10mm, f=5600 MHz/Zoom Scan,

dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 77.00 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 31.0 W/kg

SAR(1 g) = 8.32 W/kg; SAR(10 g) = 2.36 W/kg

Smallest distance from peaks to all points 3 dB below = 7.2 mm

Ratio of SAR at M2 to SAR at M1 = 66.9%

Maximum value of SAR (measured) = 19.6 W/kg

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Cancels and replaces the report no.: SFBFJZ-WTW-P22040598 dated on Jul. 22, 2022

Dipole Calibration for Head Tissue/Pin=100mW, dist=10mm, f=5750 MHz/Zoom Scan,

dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 74.22 V/m; Power Drift = -0.08 dB

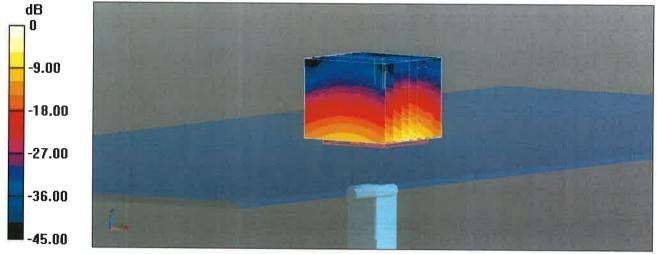
Peak SAR (extrapolated) = 31.6 W/kg

SAR(1 g) = 8.02 W/kg; SAR(10 g) = 2.27 W/kg

Smallest distance from peaks to all points 3 dB below = 7.2 mm

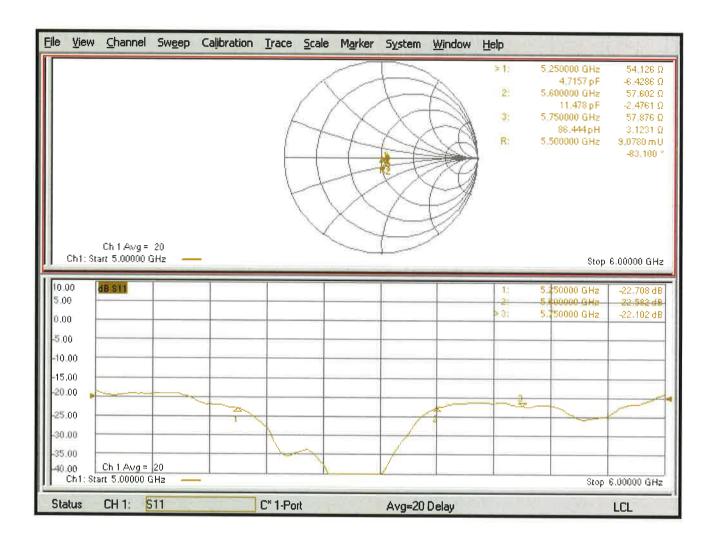
Ratio of SAR at M2 to SAR at M1 = 65%

Maximum value of SAR (measured) = 19.2 W/kg



0 dB = 19.6 W/kg = 12.92 dBW/kg

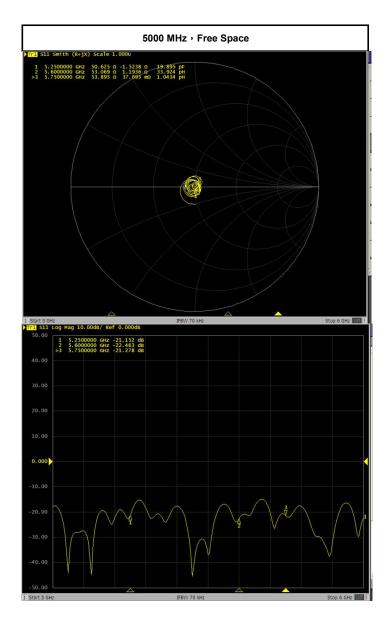
Impedance Measurement Plot for Head TSL





Annual Confirmation of SAR Reference Dipole

Model :	D5000V2		S/N:	1019	Measurement	2022/3/18	
Frequency (MHz)	Туре	Item	Previous Measurement	Annual Check	Deviation	Accepted Tolerance	Result
		Real Impedance	54.126	50.625	-3.501	±5Ω	PASS
5250	Free Space	Imaginary Impedance	-6.4286	-1.5238	4.905	±5Ω	PASS
		Return Loss	-22.708	-21.152	-6.85%	±20%	PASS
Frequency (MHz)	Туре	Item	Previous Measurement	Annual Check	Deviation	Accepted Tolerance	Result
		Real Impedance	57.602	53.069	-4.533	±5Ω	PASS
5600	Free Space	Imaginary Impedance	-2.4761	1.1936	3.670	±5Ω	PASS
		Return Loss	-22.582	-22.463	-0.53%	±20%	PASS
Frequency (MHz)	Туре	Item	Previous Measurement	Annual Check	Deviation	Accepted Tolerance	Result
		Real Impedance	57.876	53.895	-3.981	±5Ω	PASS
5750	Free Space	Imaginary Impedance	3.1231	0.0377	-3.085	±5Ω	PASS
		Return Loss	-22.102	-21.278	-3.73%	±20%	PASS



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





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Multilateral Agreement for the recognition of calibration certificates

Client

B.V. ADT (Auden)

Certificate No: EX3-3971_Jan22

S

CALIBRATION CERTIFICATE

Object

EX3DV4 - SN:3971

Calibration procedure(s)

QA CAL-01.v9, QA CAL-14.v6, QA CAL-23.v5, QA CAL-25.v7

Calibration procedure for dosimetric E-field probes

Calibration date:

January 25, 2022

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	09-Apr-21 (No. 217-03291/03292)	Apr-22		
Power sensor NRP-Z91	SN: 103244	09-Apr-21 (No. 217-03291)	Apr-22		
Power sensor NRP-Z91	SN: 103245	09-Apr-21 (No. 217-03292)	Apr-22		
Reference 20 dB Attenuator	SN: CC2552 (20x)	09-Apr-21 (No. 217-03343)	Apr-22		
DAE4	4 SN: 660 13-Oct-2		Oct-22		
Reference Probe ES3DV2	SN: 3013	27-Dec-21 (No. ES3-3013_Dec21)	Dec-22		
Secondary Standards	!D	Check Date (in house)	Scheduled Check		
Power meter E4419B	SN: GB41293874	06-Apr-16 (in house check Jun-20)	in house check: Jun-22		
Power sensor E4412A SN: MY41498087		06-Apr-16 (in house check Jun-20)	In house check: Jun-22		
Power sensor E4412A	SN: 000110210	06-Apr-16 (in house check Jun-20)	In house check: Jun-22		
RF generator HP 8648C	SN: US3642U01700	04-Aug-99 (in house check Jun-20)	In house check: Jun-22		
Network Analyzer E8358A	SN: US41080477	31-Mar-14 (in house check Oct-20)	In house check: Oct-22		

Name Function Signature

Leif Klysner Laboratory Technician

Approved by: Sven Kühn Deputy Manager

Issued: February 1, 2022

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

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Glossary:

TSL

NORMx,y,z

tissue simulating liquid sensitivity in free space sensitivity in TSL / NORMx,y,z

ConvF DCP

diode compression point

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

Polarization φ

φ 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., $\vartheta = 0$ is normal to probe axis

Connector Angle

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

Calibration is Performed According to the Following Standards:

- a) IEC/IEEE 62209-1528, "Measurement Procedure For The Assessment Of Specific Absorption Rate Of Human Exposure To Radio Frequency Fields From Hand-Held And Body-Worn Wireless Communication Devices -Part 1528: Human Models, Instrumentation And Procedures (Frequency Range of 4 MHz to 10 GHz)", October 2020
- b) KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

Methods Applied and Interpretation of Parameters:

- *NORMx,y,z*: Assessed for E-field polarization $\vartheta = 0$ ($f \le 900$ 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
- 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
- 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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Cancels and replaces the report no.: SFBFJZ-WTW-P22040598 dated on Jul. 22, 2022

DASY/EASY - Parameters of Probe: EX3DV4 - SN:3971

Basic Calibration Parameters

	Sensor X	Sensor Y	Sensor Z	Unc (k=2)
Norm (μV/(V/m) ²) ^A	0.40	0.51	0.49	± 10.1 %
DCP (mV) ^B	101.3	101.7	97.7	

Calibration Results for Modulation Response

UID	Communication System Name		A dB	B dBõV	С	D dB	VR mV	Max dev.	Max Unc ^E (k=2)
0	CW	X	0.00	0.00	1.00	0.00	132.6	± 3.8 %	± 4.7 %
		Y	0.00	0.00	1.00		139.6		
		Z	0.00	0.00	1.00		144.7		
10352-	Pulse Waveform (200Hz, 10%)	X	6.47	76.37	15.24	10.00	60.0	± 4.1 %	± 9.6 %
AAA		Y	84.00	108.00	25.00		60.0		
		Z	20.00	92.12	20.92		60.0		
10353-	Pulse Waveform (200Hz, 20%)	X	20.00	88.61	17.68	6.99	80.0	± 2.4 %	± 9.6 %
AAA		Υ	20.00	93.20	20.53		80.0		
		Z	20.00	94.01	20.91		80.0		
10354-	Pulse Waveform (200Hz, 40%)	X	20.00	90.87	17.27	3.98	95.0	± 1.3 %	± 9.6 %
AAA		Υ	20.00	96.62	20.67		95.0		
		Z	20.00	99.28	22.18]	95.0		
10355-	Pulse Waveform (200Hz, 60%)	X	20.00	96.70	18.63	2.22	120.0	± 1.2 %	± 9.6 %
AAA		Y	20.00	99.05	20.38	1	120.0	1	
		Z	20.00	106.51	24.16	1	120.0	1	
10387-	QPSK Waveform, 1 MHz	X	1.96	70.97	17.28	1.00	150.0	± 2.7 %	± 9.6 %
AAA		Y	1.58	64.72	14.19]	150.0	1	
	is	Z	1.73	66.54	15.35		150.0]	
10388-	QPSK Waveform, 10 MHz	X	2.43	70.64	17.44	0.00	150.0	± 0.8 %	± 9.6 %
AAA		Y	2.08	66.70	14.90	1	150.0]	
		Z	2.33	68.74	16.11	1	150.0	1	
10396-	64-QAM Waveform, 100 kHz	X	2.78	71.56	19.69	3.01	150.0	± 0.9 %	± 9.6 %
AAA		Υ	3.10	71.27	19.02	1	150.0		
		Z	3.12	71.37	19.23	1	150.0	1	
10399-	64-QAM Waveform, 40 MHz	X	3.58	67.93	16.50	0.00	150.0	± 1.9 %	± 9.6 %
AAA		Υ	3.41	66.49	15.35]	150.0		
		Z	3.58	67.43	15.98	1	150.0		
10414-	WLAN CCDF, 64-QAM, 40MHz	X	4.80	66.01	15.98	0.00	150.0	± 3.8 %	± 9.6 %
AAA		Υ	4.82	65.29	15.28		150.0		
		Z	4.94	65.80	15.67	1	150.0	1	

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).

B Numerical linearization parameter: uncertainty not required.

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

DASY/EASY - Parameters of Probe: EX3DV4 - SN:3971

Sensor Model Parameters

	C1	C2	α	T1	T2	Т3	T4	T5	Т6
	fF	fF	V-1	ms.V ⁻²	ms.V⁻¹	ms	V ⁻²	V ⁻¹	
X	35.6	271.08	37.06	8.11	0.37	5.02	1.43	0.10	1.00
Y	50.2	375.80	35.63	11.73	0.26	5.08	1.59	0.23	1.01
Z	49.3	370.19	35.93	15.60	0.00	5.10	1.02	0.33	1.01

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle (°)	-109
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	10 mm
Tip Length	9 mm
Tip Diameter	2.5 mm
Probe Tip to Sensor X Calibration Point	1 mm
Probe Tip to Sensor Y Calibration Point	1 mm
Probe Tip to Sensor Z Calibration Point	1 mm
Recommended Measurement Distance from Surface	1.4 mm

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

DASY/EASY - Parameters of Probe: EX3DV4 - SN:3971

Calibration Parameter Determined in Head Tissue Simulating Media

f (MHz) ^C	Relative Permittivity ^F	Conductivity (S/m) ^F	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc (k=2)
750	41.9	0.89	10.26	10.26	10.26	0.39	1.05	± 12.0 %
835	41.5	0.90	10.02	10.02	10.02	0.28	1.20	± 12.0 %
1450	40.5	1.20	8.89	8.89	8.89	0.42	0.80	± 12.0 %
1750	40.1	1.37	8.72	8.72	8.72	0.22	0.86	± 12.0 %
1900	40.0	1.40	8.33	8.33	8.33	0.27	0.86	± 12.0 %
2000	40.0	1.40	8.15	8.15	8.15	0.31	0.86	± 12.0 %
2300	39.5	1.67	8.13	8.13	8.13	0.27	0.90	± 12.0 %
2450	39.2	1.80	7.98	7.98	7.98	0.14	0.90	± 12.0 %
2600	39.0	1.96	7.73	7.73	7.73	0.12	0.90	± 12.0 %
3300	38.2	2.71	7.14	7.14	7.14	0.35	1.30	± 13.1 %
3500	37.9	2.91	6.80	6.80	6.80	0.35	1.30	± 13.1 %
3700	37.7	3.12	6.68	6.68	6.68	0.40	1.35	± 13.1 %
3900	37.5	3.32	6.61	6.61	6.61	0.40	1.60	± 13.1 %
4100	37.2	3.53	6.35	6.35	6.35	0.40	1.60	± 13.1 %
4200	37.1	3.63	6.34	6.34	6.34	0.40	1.70	± 13.1 %
4400	36.9	3.84	6.28	6.28	6.28	0.40	1.70	± 13.1 %
4600	36.7	4.04	6.21	6.21	6.21	0.40	1.70	± 13.1 %
4800	36.4	4.25	6.16	6.16	6.16	0.40	1.70	± 13.1 %
4950	36.3	4.40	5.85	5.85	5.85	0.40	1.80	± 13.1 %
5250	35.9	4.71	5.10	5.10	5.10	0.40	1.80	± 13.1 %
5600	_35.5	5.07	4.80	4.80	4.80	0.40	1.80	± 13.1 %
5750	35.4	5.22	4.85	4.85	4.85	0.40	1.80	± 13.1 %

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

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F At frequencies below 3 GHz, the validity of tissue parameters (ϵ and σ) can be relaxed to \pm 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 \pm 5%. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters.

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

DASY/EASY - Parameters of Probe: EX3DV4 - SN:3971

Calibration Parameter Determined in Head Tissue Simulating Media

f (MHz) ^C	Relative Permittivity ^F	Conductivity (S/m) ^F	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc (k=2)
6500	34.5	6.07	5.45	5.45	5.45	0.20	2.50	± 18.6 %

^c Frequency validity above 6GHz is ± 700 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band.

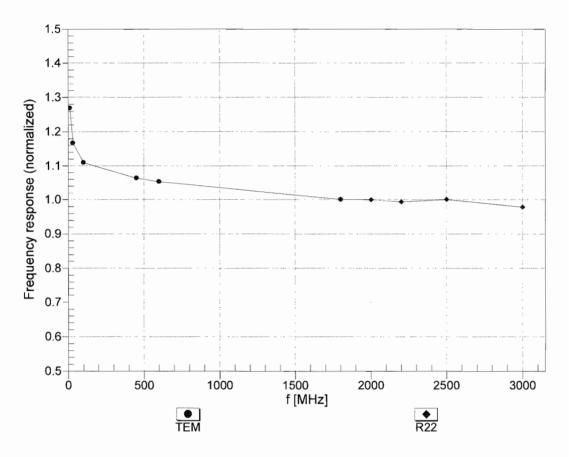
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F At frequencies 6-10 GHz, the validity of tissue parameters (ε and σ) can be relaxed to ± 10% if liquid compensation formula is applied to measured

SAR values. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters.

^a Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than ± 1% for frequencies below 3 GHz; below ± 2% for frequencies between 3-6 GHz; and below ± 4% for frequencies between 6-10 GHz at any distance larger than half the probe tip diameter from the boundary.

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

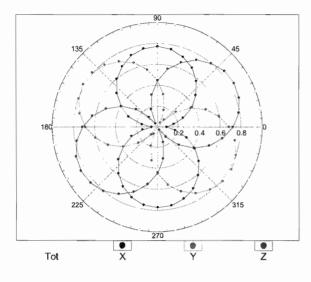


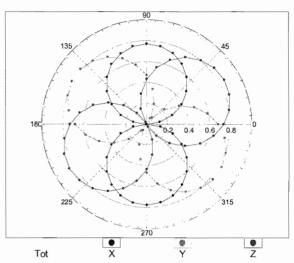
Uncertainty of Frequency Response of E-field: ± 6.3% (k=2)

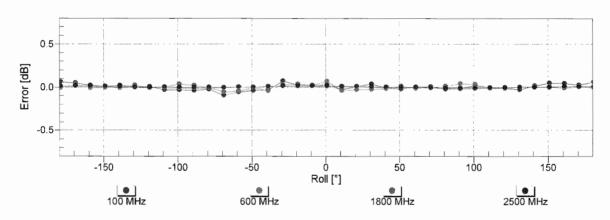
Receiving Pattern (ϕ), $\vartheta = 0^{\circ}$

f=600 MHz,TEM

f=1800 MHz,R22

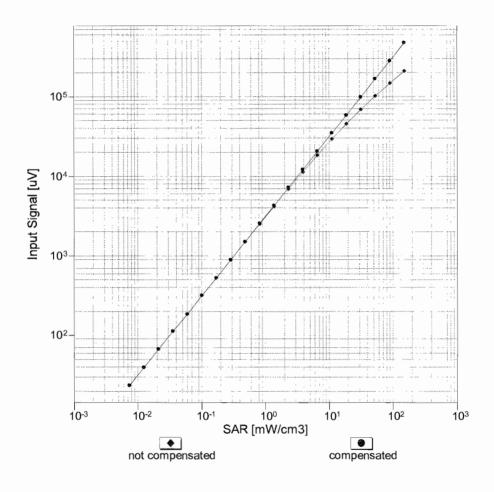


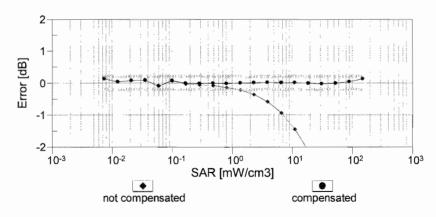




Uncertainty of Axial Isotropy Assessment: ± 0.5% (k=2)

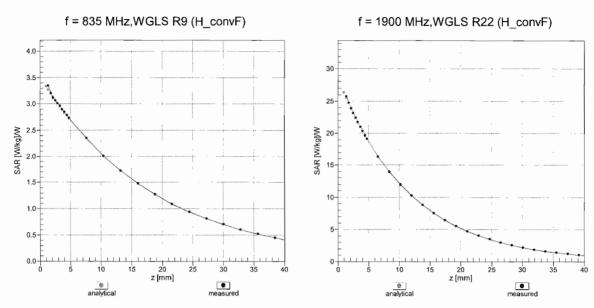
Dynamic Range f(SAR_{head}) (TEM cell , f_{eval}= 1900 MHz)



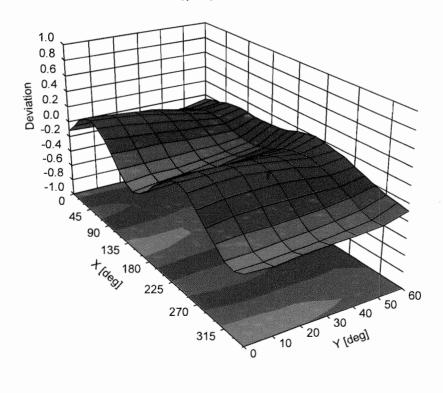


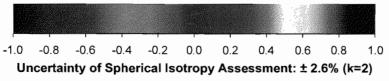
Uncertainty of Linearity Assessment: ± 0.6% (k=2)

Conversion Factor Assessment



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





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Appendix: Modulation Calibration Parameters

UID	Rev	Communication System Name	Group	PAR	Unc ^E
0		CW	CW	(dB) 0.00	(k=2) ± 4.7 %
10010	CAA	SAR Validation (Square, 100ms, 10ms)	Test	10.00	± 9.6 %
10011	CAB	UMTS-FDD (WCDMA) IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)	WCDMA WLAN	2.91 1.87	± 9.6 %
10012	CAB				± 9.6 %
10013	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps)	WLAN	9.46	
10021	DAC	GSM-FDD (TDMA, GMSK)	GSM	9.39	± 9.6 %
10023	DAC	GPRS-FDD (TDMA, GMSK, TN 0)	GSM	9.57	± 9.6 %
10024	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	GSM	6.56	± 9.6 %
10025	DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	GSM	12.62	± 9.6 %
10026	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	GSM	9.55	± 9.6 %
10027	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	GSM	4.80	± 9.6 %
10028	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	GSM_	3.55	± 9.6 %
10029	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	GSM	7.78	± 9.6 %
10030	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	Bluetooth	5.30	± 9.6 %
10031	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	Bluetooth	1.87	± 9.6 %
10032	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	Bluetooth	1.16	± 9.6 %
10033	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	Bluetooth	7.74	± 9.6 %
10034	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	Bluetooth	4.53	± 9.6 %
10035	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	Bluetooth	3.83	± 9.6 %
10036	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	Bluetooth	8.01	± 9.6 %
10037	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	Bluetooth	4.77	± 9.6 %
10038	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	Bluetooth	4.10	± 9.6 %
10039	CAB	CDMA2000 (1xRTT, RC1)	CDMA2000	4.57	± 9.6 %
10042	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Haifrate)	AMPS	7.78	± 9.6 %
10044	CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	AMPS	0.00	± 9.6 %
10048	CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	DECT	13.80	± 9.6 %
10049	CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	DECT	10.79	± 9.6 %
10056	CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	TD-SCDMA	11.01	± 9.6 %
10058	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	GSM	6.52	± 9.6 %
10059	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	WLAN	2.12	± 9.6 %
10060	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	WLAN	2.83	± 9.6 %
10061	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	WLAN	3.60	± 9.6 %
10062	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	WLAN	8.68	± 9.6 %
10063	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	WLAN	8.63	± 9.6 %
10064	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	WLAN	9.09	± 9.6 %
10065	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	WLAN	9.00	± 9.6 %
10066	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	WLAN	9.38	± 9.6 %
10067	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	WLAN	10.12	± 9.6 %
10068	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	WLAN	10.24	± 9.6 %
10069	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)	WLAN	10.56	± 9.6 %
10071	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	WLAN	9.83	± 9.6 %
10072	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	WLAN	9.62	± 9.6 %
10073	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)	WLAN	9.94	± 9.6 %
10074	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	WLAN	10.30	± 9.6 %
10075	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	WLAN	10.77	± 9.6 %
10076	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	WLAN	10.94	± 9.6 %
10077	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	WLAN	11.00	± 9.6 %
10081	CAB	CDMA2000 (1xRTT, RC3)	CDMA2000	3.97	± 9.6 %
10082	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)	AMPS	4.77	± 9.6 %
10090	DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	GSM	6.56	± 9.6 %
10097	CAB	UMTS-FDD (HSDPA)	WCDMA	3.98	± 9.6 %
10098	CAB	UMTS-FDD (HSUPA, Subtest 2)	WCDMA	3.98	± 9.6 %
. 3 0 0 0	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 5.6 10101 CAE LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM) LTE-FDD 6.4 10102 CAE LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM) LTE-FDD 6.6 10103 CAG LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK) LTE-TDD 9.2 10104 CAG LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM) LTE-TDD 9.9 10105 CAG LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM) LTE-TDD 10. 10108 CAG LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK) LTE-FDD 5.8 10109 CAG LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM) LTE-FDD 6.4 10110 CAG LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK) LTE-FDD 5.7	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	6 % 6 %
10102 CAE LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM) LTE-FDD 6.6 10103 CAG LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK) LTE-TDD 9.2 10104 CAG LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM) LTE-TDD 9.9 10105 CAG LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM) LTE-TDD 10. 10108 CAG LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK) LTE-FDD 5.8 10109 CAG LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM) LTE-FDD 6.4	60 ± 9.6 29 ± 9.6 97 ± 9.6 .01 ± 9.6 30 ± 9.6	6 %
10103 CAG LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK) LTE-TDD 9.2 10104 CAG LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM) LTE-TDD 9.9 10105 CAG LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM) LTE-TDD 10. 10108 CAG LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK) LTE-FDD 5.8 10109 CAG LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM) LTE-FDD 6.4	29 ± 9.6 97 ± 9.6 .01 ± 9.6 30 ± 9.6	
10104 CAG LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM) LTE-TDD 9.9 10105 CAG LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM) LTE-TDD 10. 10108 CAG LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK) LTE-FDD 5.8 10109 CAG LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM) LTE-FDD 6.4	97 ± 9.6 0.01 ± 9.6 30 ± 9.6	6 %
10105 CAG LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM) LTE-TDD 10. 10108 CAG LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK) LTE-FDD 5.8 10109 CAG LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM) LTE-FDD 6.4	.01 ± 9.6 80 ± 9.6	
10108 CAG LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK) LTE-FDD 5.8 10109 CAG LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM) LTE-FDD 6.4	30 ± 9.6	
10109 CAG LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM) LTE-FDD 6.4		3 %
	12 +06	6 %
10110 CAG LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK) LTE-FDD 5.7	+3 ± 3.0	6 %
	75 ± 9.6	6 %
10111 CAG LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM) LTE-FDD 6.4	44 ± 9.6	6 %
10112 CAG LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM) LTE-FDD 6.5	± 9.6	6 %
10113 CAG LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM) LTE-FDD 6.6	62 ± 9.6	6 %
10114 CAD IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK) WLAN 8.1	10 ± 9.6	6 %
10115 CAD IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM) WLAN 8.4	± 9.6	6 %
10116 CAD IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM) WLAN 8.1		
10117 CAD IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK) WLAN 8.0		
10118 CAD IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM) WLAN 8.5		
10119 CAD IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM) WLAN 8.1		
10140 CAE LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM) LTE-FDD 6.4		
10141 CAE LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM) LTE-FDD 6.5		
10142 CAE LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK) LTE-FDD 5.7		
10143 CAE LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM) LTE-FDD 6.3		
10144 CAE LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM) LTE-FDD 6.6	_	
10145 CAF LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK) LTE-FDD 5.7	_	
10146 CAF LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM) LTE-FDD 6.4		
10147 CAF LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM) LTE-FDD 6.7		
10149 CAE LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM) LTE-FDD 6.4		
10150 CAE LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM) LTE-FDD 6.6	-	
10151 CAG LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK) LTE-TDD 9.2	_	
10152 CAG LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM) LTE-TDD 9.9 10153 CAG LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM) LTE-TDD 10.0		
10153 CAG LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM) LTE-TDD 10. 10154 CAG LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK) LTE-FDD 5.7		
10155 CAG LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM) LTE-FDD 6.4	_ +_	
10156 CAG LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK) LTE-FDD 5.7		
10157 CAG LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM) LTE-FDD 6.4		
10158 CAG LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM) LTE-FDD 6.6		
10159 CAG LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM) LTE-FDD 6.5		
10160 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK) LTE-FDD 5.8		
10161 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM) LTE-FDD 6.4		
10162 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) LTE-FDD 6.5		
10166 CAF LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK) LTE-FDD 5.4		
10167 CAF LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM) LTE-FDD 6.2		
10168 CAF LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM) LTE-FDD 6.7		
10169 CAE LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK) LTE-FDD 5.7		
10170 CAE LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM) LTE-FDD 6.5		6 %
10171 AAE LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM) LTE-FDD 6.4	49 ± 9.6	6 %
10172 CAG LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK) LTE-TDD 9.2	21 ± 9.6	6 %
10173 CAG LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM) LTE-TDD 9.4	48 ± 9.6	6 %
).25 ± 9.6	6 %
10175 CAG LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK) LTE-FDD 5.7		
10176 CAG LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM) LTE-FDD 6.5		6 %
	73 ± 9.6	
10178 CAG LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM) LTE-FDD 6.5		
	50 ± 9.6	
	50 ± 9.6	
10181 CAE LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK) LTE-FDD 5.7	73 ± 9.6	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	CAD	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	WLAN	8.09	± 9.6 %
10194	CAD	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	WLAN	8.12	± 9.6 %
10195	CAD	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	WLAN	8.21	± 9.6 %
10196	CAD	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	WLAN	8.10	± 9.6 %
10197	CAD	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	WLAN	8.13	± 9.6 %
10198	CAD	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	WLAN	8.27	± 9.6 %
10219	CAD	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	WLAN	8.03	± 9.6 %
10220	CAD	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	WLAN	8.13	± 9.6 %
10221	CAD	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	WLAN	8.27	± 9.6 %
10222	CAD	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	WLAN	8.06	± 9.6 %
10223	CAD	IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	WLAN	8.48	± 9.6 %
10224	CAD	IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)	WLAN	8.08	± 9.6 %
10225	CAB	UMTS-FDD (HSPA+)	WCDMA	5.97	± 9.6 %
10226	CAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.49	± 9.6 %
10227	CAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.26	± 9.6 %
10228	CAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-TDD	9.22	± 9.6 %
10229	CAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10230	CAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10231	CAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-TDD	9.19	± 9.6 %
10232	CAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10233	CAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10234	CAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10235	CAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10236	CAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10237	CAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10238	CAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10239	CAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10240	CAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10241	CAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.82	± 9.6 %
10242	CAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-TDD	9.86	± 9.6 %
10243	CAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-TDD	9.46	± 9.6 %
10244	CAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-TDD	10.06	± 9.6 %
10245	CAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-TDD	10.06	± 9.6 %
10246	CAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-TDD	9.30	± 9.6 %
10247	CAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-TDD	9.91	± 9.6 %
10248	CAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-TDD	10.09	± 9.6 %
10249	CAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-TDD	9.29	± 9.6 %
10250	CAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-TDD	9.81	± 9.6 %
10251	CAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-TDD	10.17	± 9.6 %
10252	CAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-TDD	9.24	± 9.6 %
10253	CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-TDD	9.90	± 9.6 %
10254	CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-TDD	10.14	± 9.6 %
10255	CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-TDD	9.20	± 9.6 %
10256	CAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.96	± 9.6 %
10257	CAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.08	± 9.6 %
40050	CAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-TDD	9.34	± 9.6 %
10258	CAB	1 -1 -1 -1 (0 0 1 - 111 11)			
10258	CAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-TDD	9.98	± 9.6 %

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10261	CAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-TDD	9.24	± 9.6 %
10262	CAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-TDD	9.83	± 9.6 %
10263	CAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-TDD	10.16	± 9.6 %
10264	CAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-TDD	9.23	± 9.6 %
10265	CAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-TDD	9.92	± 9.6 %
10266	CAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-TDD	10.07	± 9.6 %
10267	CAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-TDD	9.30	± 9.6 %
10268	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-TDD	10.06	± 9.6 %
10269	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-TDD	10.13	± 9.6 %
10270	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-TDD	9.58	± 9.6 %
10274	CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	WCDMA	4.87	± 9.6 %
10275	CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	WCDMA	3.96	± 9.6 %
10277	CAA	PHS (QPSK)	PHS	11.81	± 9.6 %
10278	CAA	PHS (QPSK, BW 884MHz, Rolloff 0.5)	PHS	11.81	± 9.6 %
10279	CAA	PHS (QPSK, BW 884MHz, Rolloff 0.38)	PHS	12.18	± 9.6 %
10290	AAB	CDMA2000, RC1, SO55, Full Rate	CDMA2000	3.91	± 9.6 %
10291	AAB	CDMA2000, RC3, SO55, Full Rate	CDMA2000	3.46	± 9.6 %
10292	AAB	CDMA2000, RC3, SO32, Full Rate	CDMA2000	3.39	± 9.6 %
10293	AAB	CDMA2000, RC3, SO3, Full Rate	CDMA2000	3.50	± 9.6 %
10295	AAB	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	CDMA2000	12.49	± 9.6 %
10297	AAD	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-FDD	5.81	± 9.6 %
10298	AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-FDD	5.72	± 9.6 %
10299	AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-FDD	6.39	± 9.6 %
10300	AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-FDD	6.60	± 9.6 %
10301	AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC)	WiMAX	12.03	± 9.6 %
10302	AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3CTRL)	WiMAX	12.57	± 9.6 %
10303	AAA	IEEE 802.16e WiMAX (31:15, 5ms, 10MHz, 64QAM, PUSC)	WiMAX	12.52	± 9.6 %
10304	AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, 64QAM, PUSC)	WiMAX	11.86	± 9.6 %
10305	AAA	IEEE 802.16e WIMAX (31:15, 10ms, 10MHz, 64QAM, PUSC)	WiMAX	15.24	± 9.6 %
10306	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 64QAM, PUSC)	WiMAX	14.67	± 9.6 %
10307	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, PUSC)	WiMAX	14.49	± 9.6 %
10308	AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)	WiMAX	14.46	± 9.6 %
10309	AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 16QAM,AMC 2x3)	WiMAX	14.58	± 9.6 %
10310	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3	WiMAX	14.57	± 9.6 %
10311	AAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-FDD	6.06	± 9.6 %
10313	AAA	iDEN 1:3	iDEN	10.51	± 9.6 %
10314	AAA	iDEN 1:6	iDEN	13.48	± 9.6 %
10315	AAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc dc)	WLAN	1.71	± 9.6 %
10316	AAB	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc dc)	WLAN	8.36	± 9.6 %
10317	AAD	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc dc)	WLAN	8.36	± 9.6 %
10352	AAA	Pulse Waveform (200Hz, 10%)	Generic	10.00	± 9.6 %
10353	AAA	Pulse Waveform (200Hz, 20%)	Generic	6.99	± 9.6 %
10354	AAA	Pulse Waveform (200Hz, 40%)	Generic	3.98	± 9.6 %
10355	AAA	Pulse Waveform (200Hz, 60%)	Generic	2.22	± 9.6 %
10356	AAA	Pulse Waveform (200Hz, 80%)	Generic	0.97	± 9.6 %
10387	AAA	QPSK Waveform, 1 MHz	Generic	5.10	± 9.6 %
10388	AAA	QPSK Waveform, 10 MHz	Generic	5.22	± 9.6 %
10396	AAA	64-QAM Waveform, 100 kHz	Generic	6.27	± 9.6 %
10399	AAA	64-QAM Waveform, 40 MHz	Generic	6.27	± 9.6 %
10400	AAE	IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc dc)	WLAN	8.37	± 9.6 %
10401	AAE	IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc dc)	WLAN	8.60	± 9.6 %
10402	AAE	IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc dc)	WLAN	8.53	± 9.6 %
10403	AAB	CDMA2000 (1xEV-DO, Rev. 0)	CDMA2000	3.76	± 9.6 %
10404	AAB	CDMA2000 (1xEV-DO, Rev. A)	CDMA2000	3.77	± 9.6 %
10404	AAB	CDMA2000, RC3, SO32, SCH0, Full Rate	CDMA2000	5.22	± 9.6 %
10410	AAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Sub=2,3,4,7,8,9)	LTE-TDD	7.82	± 9.6 %
10410	,,,,				

10414	AAA	WLAN CCDF, 64-QAM, 40MHz	Generic	8.54	± 9.6 %
10415	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc dc)	WLAN	1.54	± 9.6 %
10416	AAA	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc dc)	WLAN	8.23	± 9.6 %
10417	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc dc)	WLAN	8.23	± 9.6 %
10418	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Long)	WLAN	8.14	± 9.6 %
10419	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Short)	WLAN	8.19	± 9.6 %
10422	AAC	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	WLAN	8.32	± 9.6 %
10423	AAC	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	WLAN	8.47	± 9.6 %
10424	AAC	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	WLAN	8.40	± 9.6 %
10425	AAC	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	WLAN	8.41	± 9.6 %
10426	AAC	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	WLAN	8.45	± 9.6 %
10427	AAC	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	WLAN	8.41	± 9.6 %
10430	AAD	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	LTE-FDD	8.28	± 9.6 %
10431	AAD	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	LTE-FDD	8.38	± 9.6 %
10432	AAC	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	LTE-FDD	8.34	± 9.6 %
10433	AAC	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	LTE-FDD	8.34	± 9.6 %
10434	AAA	W-CDMA (BS Test Model 1, 64 DPCH)	WCDMA	8.60	± 9.6 %
10435	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10447	AAD	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.56	± 9.6 %
10448	AAD	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)	LTE-FDD	7.53	± 9.6 %
10449	AAC	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%)	LTE-FDD	7.51	± 9.6 %
10450	AAC	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.48	± 9.6 %
10451	AAA	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	WCDMA	7.59	± 9.6 %
10453	AAD	Validation (Square, 10ms, 1ms)	Test	10.00	± 9.6 %
10456	AAC	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc dc)	WLAN	8.63	± 9.6 %
10457	AAA	UMTS-FDD (DC-HSDPA)	WCDMA	6.62	± 9.6 %
10458	AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	CDMA2000	6.55	± 9.6 %
10459	AAA	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	CDMA2000	8.25	± 9.6 %
10460	AAA	UMTS-FDD (WCDMA, AMR)	WCDMA	2.39	± 9.6 %
10461	AAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10462	AAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Sub)	LTE-TDD	8.30	± 9.6 %
10463	AAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Sub)	LTE-TDD	8.56	± 9.6 %
10464	AAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10465	AAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	± 9.6 %
10466	AAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	± 9.6 %
10467	AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10468	AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	± 9.6 %
10469	AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Sub)	LTE-TDD	8.56	± 9.6 %
10470	AAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10471	AAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	± 9.6 %
10472	AAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	± 9.6 %
10473	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10474	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	± 9.6 %
10475	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	± 9.6 %
10477	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	± 9.6 %
10478	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	± 9.6 %
10479	AAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Sub)	LTE-TDD	7.74	± 9.6 %
10480	AAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Sub)	LTE-TDD	8.18	± 9.6 %
10481	AAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Sub)	LTE-TDD	8.45	± 9.6 %
10482	AAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Sub)	LTE-TDD	7.71	± 9.6 %
10483	AAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, Sub)	LTE-TDD	8.39	± 9.6 %
10484	AAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Sub)	LTE-TDD	8.47	± 9.6 %
10485	AAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Sub)	LTE-TDD	7.59	± 9.6 %
10486	AAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Sub)	LTE-TDD	8.38	± 9.6 %
10487	AAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Sub)	LTE-TDD	8.60	± 9.6 %
10488	AAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Sub)	LTE-TDD	7.70	± 9.6 %

10490	^ ^ F	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Sub)	LITE TOD	0.24	+069/
10489	AAF		LTE-TDD	8.31	± 9.6 %
10490	AAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Sub)	LTE-TDD	8.54	± 9.6 %
10491	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Sub)	LTE-TDD	7.74	± 9.6 %
10492	AAE_	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Sub)	LTE-TDD	8.41	± 9.6 %
10493	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Sub)	LTE-TDD	8.55	± 9.6 %
10494	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Sub)	LTE-TDD	7.74	± 9.6 %
10495	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Sub)	LTE-TDD	8.37	± 9.6 %
10496	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Sub)	LTE-TDD	8.54	± 9.6 %
10497	AAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Sub)	LTE-TDD	7.67	± 9.6 %
10498	AAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Sub)	LTE-TDD	8.40	± 9.6 %
10499	AAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Sub)	LTE-TDD	8.68	± 9.6 %
10500	AAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Sub)	LTE-TDD	7.67	± 9.6 %
10501	AAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Sub)	LTE-TDD	8.44	± 9.6 %
10502	AAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Sub)	LTE-TDD	8.52	± 9.6 %
10503	AAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Sub)	LTE-TDD	7.72	± 9.6 %
10504	AAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Sub)	LTE-TDD	8.31	± 9.6 %
10505	AAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Sub)	LTE-TDD	8.54	± 9.6 %
10506	AAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Sub)	LTE-TDD	7.74	± 9.6 %
10507	AAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Sub)	LTE-TDD	8.36	± 9.6 %
10508	AAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Sub)	LTE-TDD	8.55	± 9.6 %
10509	AAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Sub)	LTE-TDD	7.99	± 9.6 %
10510	AAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Sub)	LTE-TDD	8.49	± 9.6 %
10511	AAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Sub)	LTE-TDD	8.51	± 9.6 %
10512	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Sub)	LTE-TDD	7.74	± 9.6 %
10513	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Sub)	LTE-TDD	8.42	± 9.6 %
10514	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Sub)	LTE-TDD	8.45	± 9.6 %
10515 10516	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc dc) IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc dc)	WLAN WLAN	1.58	± 9.6 %
10517	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1.5 Mbps, 99pc dc)	WLAN	1.58	± 9.6 %
10517	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc dc)	WLAN	8.23	± 9.6 %
10519	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc dc)	WLAN	8.39	± 9.6 %
10520	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc dc)	WLAN	8.12	± 9.6 %
10521	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc dc)	WLAN	7.97	± 9.6 %
10522	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc dc)	WLAN	8.45	± 9.6 %
10523	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc dc)	WLAN	8.08	± 9.6 %
10524	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc dc)	WLAN	8.27	± 9.6 %
10525	AAC	IEEE 802.11ac WiFi (20MHz, MCS0, 99pc dc)	WLAN	8.36	± 9.6 %
10526		IEEE 802.11ac WiFi (20MHz, MCS1, 99pc dc)	WLAN	8.42	± 9.6 %
10527	AAC	IEEE 802.11ac WiFi (20MHz, MCS2, 99pc dc)	WLAN	8.21	± 9.6 %
10528	AAC	IEEE 802.11ac WiFi (20MHz, MCS3, 99pc dc)	WLAN	8.36	± 9.6 %
10529	AAC	IEEE 802.11ac WiFi (20MHz, MCS4, 99pc dc)	WLAN	8.36	± 9.6 %
10531	AAC	IEEE 802.11ac WiFi (20MHz, MCS6, 99pc dc)	WLAN	8.43	± 9.6 %
10532	AAC	IEEE 802.11ac WiFi (20MHz, MCS7, 99pc dc)	WLAN	8.29	± 9.6 %
10533	AAC	IEEE 802.11ac WiFi (20MHz, MCS8, 99pc dc)	WLAN	8.38	± 9.6 %
10534	AAC	IEEE 802.11ac WiFi (40MHz, MCS0, 99pc dc)	WLAN	8.45	± 9.6 %
10535	AAC	IEEE 802.11ac WiFi (40MHz, MCS1, 99pc dc)	WLAN	8.45	± 9.6 %
10536	AAC	IEEE 802.11ac WiFi (40MHz, MCS2, 99pc dc)	WLAN	8.32	± 9.6 %
10537	AAC	IEEE 802.11ac WiFi (40MHz, MCS3, 99pc dc)	WLAN	8.44	± 9.6 %
10538	AAC	IEEE 802.11ac WiFi (40MHz, MCS4, 99pc dc)	WLAN	8.54	± 9.6 %
10540	AAC	IEEE 802.11ac WiFi (40MHz, MCS6, 99pc dc)	WLAN	8.39	± 9.6 %
10541	AAC	IEEE 802.11ac WiFi (40MHz, MCS7, 99pc dc)	WLAN	8.46	± 9.6 %
10542	AAC	IEEE 802.11ac WiFi (40MHz, MCS8, 99pc dc)	WLAN	8.65	± 9.6 %
10543	AAC	IEEE 802.11ac WiFi (40MHz, MCS9, 99pc dc)	WLAN	8.65	± 9.6 %
10544	AAC	IEEE 802.11ac WiFi (80MHz, MCS0, 99pc dc)	WLAN	8.47	± 9.6 %
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10545	AAC	IEEE 802.11ac WiFi (80MHz, MCS1, 99pc dc)	WLAN	8.55 8.35	± 9.6 % ± 9.6 %

10547	AAC	IEEE 802.11ac WiFi (80MHz, MCS3, 99pc dc)	WLAN	8.49	± 9.6 %
10548	AAC	IEEE 802.11ac WiFi (80MHz, MCS4, 99pc dc)	WLAN	8.37	± 9.6 %
10550	AAC	IEEE 802.11ac WiFi (80MHz, MCS6, 99pc dc)	WLAN	8.39	± 9.6 %
10551	AAC	IEEE 802.11ac WiFi (80MHz, MCS7, 99pc dc)	WLAN	8.50	± 9.6 %
10552	AAC	IEEE 802.11ac WiFi (80MHz, MCS8, 99pc dc)	WLAN	8.42	± 9.6 %
10553	AAC	IEEE 802.11ac WiFi (80MHz, MCS9, 99pc dc)	WLAN	8.45	± 9.6 %
10554	AAD	IEEE 802.11ac WiFi (160MHz, MCS0, 99pc dc)	WLAN	8.48	± 9.6 %
10555	AAD	IEEE 802.11ac WiFi (160MHz, MCS1, 99pc dc)	WLAN	8.47	± 9.6 %
10556	AAD	IEEE 802.11ac WiFi (160MHz, MCS2, 99pc dc)	WLAN	8.50	± 9.6 %
10557	AAD	IEEE 802.11ac WiFi (160MHz, MCS3, 99pc dc)	WLAN	8.52	± 9.6 %
10558	AAD	IEEE 802.11ac WiFi (160MHz, MCS4, 99pc dc)	WLAN	8.61	± 9.6 %
10560	AAD	IEEE 802.11ac WiFi (160MHz, MCS6, 99pc dc)	WLAN	8.73	± 9.6 %
10561	AAD	IEEE 802.11ac WiFi (160MHz, MCS7, 99pc dc)	WLAN	8.56	± 9.6 %
10562	AAD	IEEE 802.11ac WiFi (160MHz, MCS8, 99pc dc)	WLAN	8.69	± 9.6 %
10563	AAD	IEEE 802.11ac WiFi (160MHz, MCS9, 99pc dc)	WLAN	8.77	± 9.6 %
10564	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc dc)	WLAN	8.25	± 9.6 %
10565	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc dc)	WLAN	8.45	± 9.6 %
10566	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc dc)	WLAN	8.13	± 9.6 %
10567	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc dc)	WLAN	8.00	± 9.6 %
10568	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc dc)	WLAN	8.37	± 9.6 %
10569	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc dc)	WLAN	8.10	± 9.6 %
10570	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc dc)	WLAN	8.30	± 9.6 %
10571	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc dc)	WLAN	1.99	± 9.6 %
10572	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc dc)	WLAN	1.99	± 9.6 %
10573	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc dc)	WLAN	1.98	± 9.6 %
10574	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc dc)	WLAN	1.98	± 9.6 %
10575	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc dc)	WLAN	8.59	± 9.6 %
10576	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc dc)	WLAN	8.60	± 9.6 %
10577	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc dc)	WLAN	8.70	± 9.6 %
10578	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc dc)	WLAN	8.49	± 9.6 %
10579	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc dc)	WLAN	8.36	± 9.6 %
10580	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc dc)	WLAN	8.76	± 9.6 %
10581	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc dc)	WLAN	8.35	± 9.6 %
10582	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc dc)	WLAN	8.67	± 9.6 %
10583	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc dc)	WLAN	8.59	± 9.6 %
10584	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc dc)	WLAN	8.60	± 9.6 %
10585	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc dc)	WLAN	8.70	± 9.6 %
10586	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc dc)	WLAN	8.49	± 9.6 %
10587	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc dc)	WLAN	8.36	± 9.6 %
10588	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc dc)	WLAN	8.76	± 9.6 %
10589	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc dc)	WLAN	8.35	± 9.6 %
10590	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc dc)	WLAN	8.67	± 9.6 %
10591	AAC	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc dc)	WLAN	8.63	± 9.6 %
10592	AAC	IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc dc)	WLAN	8.79	± 9.6 %
10593	AAC	IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc dc)	WLAN	8.64	± 9.6 %
10594	AAC	IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc dc)	WLAN	8.74	± 9.6 %
10595	AAC	IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc dc)	WLAN	8.74	± 9.6 %
10596	AAC	IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc dc)	WLAN	8.71	± 9.6 %
10597	AAC	IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc dc)	WLAN	8.72	± 9.6 %
10598	AAC	IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc dc)	WLAN	8.50	± 9.6 %
10599	AAC	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc dc)	WLAN	8.79	± 9.6 %
10600	AAC	IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc dc)	WLAN	8.88	± 9.6 %
10601	AAC	IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc dc)	WLAN	8.82	± 9.6 %
10602	AAC	IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc dc)	WLAN	8.94	± 9.6 %
10603	AAC	IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc dc)	WLAN	9.03	± 9.6 %
10604	AAC	IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc dc)	WLAN	8.76	± 9.6 %
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10605	AAC	IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc dc)	WLAN	8.97	± 9.6 %
10606	AAC	IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc dc)	WLAN	8.82	± 9.6 %
10607	AAC	IEEE 802.11ac WiFi (20MHz, MCS0, 90pc dc)	WLAN	8.64	± 9.6 %
10608	AAC	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc dc)	WLAN	8.77	± 9.6 %
10609	AAC	IEEE 802.11ac WiFi (20MHz, MCS2, 90pc dc)	WLAN	8.57	± 9.6 %
10610	AAC	IEEE 802.11ac WiFi (20MHz, MCS3, 90pc dc)	WLAN	8.78	± 9.6 %
10611	AAC	IEEE 802.11ac WiFi (20MHz, MCS4, 90pc dc)	WLAN	8.70	± 9.6 %
10612	AAC	IEEE 802.11ac WiFi (20MHz, MCS5, 90pc dc)	WLAN	8.77	± 9.6 %
10613	AAC	IEEE 802.11ac WiFi (20MHz, MCS6, 90pc dc)	WLAN	8.94	± 9.6 %
10614	AAC	IEEE 802.11ac WiFi (20MHz, MCS7, 90pc dc)	WLAN	8.59	± 9.6 %
10615	AAC	IEEE 802.11ac WiFi (20MHz, MCS8, 90pc dc)	WLAN	8.82	± 9.6 %
10616	AAC	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc dc)	WLAN	8.82	± 9.6 %
10617	AAC	IEEE 802.11ac WiFi (40MHz, MCS1, 90pc dc)	WLAN	8.81	± 9.6 %
10618	AAC	IEEE 802.11ac WiFi (40MHz, MCS2, 90pc dc)	WLAN	8.58	± 9.6 %
10619	AAC	IEEE 802.11ac WiFi (40MHz, MCS3, 90pc dc)	WLAN	8.86	± 9.6 %
10620	AAC	IEEE 802.11ac WiFi (40MHz, MCS4, 90pc dc)	WLAN	8.87	± 9.6 %
10621	AAC	IEEE 802.11ac WiFi (40MHz, MCS5, 90pc dc)	WLAN	8.77	± 9.6 %
10622	AAC	IEEE 802.11ac WiFi (40MHz, MCS6, 90pc dc)	WLAN	8.68	± 9.6 %
10623	AAC	IEEE 802.11ac WiFi (40MHz, MCS7, 90pc dc)	WLAN	8.82	± 9.6 %
10624	AAC	IEEE 802.11ac WiFi (40MHz, MCS8, 90pc dc)	WLAN	8.96	± 9.6 %
10625	AAC	IEEE 802.11ac WiFi (40MHz, MCS9, 90pc dc)	WLAN	8.96	± 9.6 %
10626	AAC	IEEE 802.11ac WiFi (80MHz, MCS0, 90pc dc)	WLAN	8.83	± 9.6 %
10627	AAC	IEEE 802.11ac WiFi (80MHz, MCS1, 90pc dc)	WLAN	8.88	± 9.6 %
10628	AAC	IEEE 802.11ac WiFi (80MHz, MCS2, 90pc dc)	WLAN	8.71	± 9.6 %
10629	AAC	IEEE 802.11ac WiFi (80MHz, MCS3, 90pc dc)	WLAN	8.85	± 9.6 %
10630	AAC	IEEE 802.11ac WiFi (80MHz, MCS4, 90pc dc)	WLAN	8.72	± 9.6 %
10631	AAC	IEEE 802.11ac WiFi (80MHz, MCS5, 90pc dc)	WLAN	8.81	± 9.6 %
10632	AAC	IEEE 802.11ac WiFi (80MHz, MCS6, 90pc dc)	WLAN	8.74	± 9.6 %
10633	AAC	IEEE 802.11ac WiFi (80MHz, MCS7, 90pc dc)	WLAN	8.83	± 9.6 %
10634	AAC	IEEE 802.11ac WiFi (80MHz, MCS8, 90pc dc)	WLAN	8.80	± 9.6 %
10635	AAC	IEEE 802.11ac WiFi (80MHz, MCS9, 90pc dc)	WLAN	8.81	± 9.6 %
10636	AAD	IEEE 802.11ac WiFi (160MHz, MCS0, 90pc dc)	WLAN	8.83	± 9.6 %
10637	AAD	IEEE 802.11ac WiFi (160MHz, MCS1, 90pc dc)	WLAN	8.79	± 9.6 %
10638	AAD	IEEE 802.11ac WiFi (160MHz, MCS2, 90pc dc)	WLAN	8.86	± 9.6 %
10639	AAD	IEEE 802.11ac WiFi (160MHz, MCS3, 90pc dc)	WLAN	8.85	± 9.6 %
10640	AAD	IEEE 802.11ac WiFi (160MHz, MCS4, 90pc dc)	WLAN	8.98	± 9.6 %
10641	AAD	IEEE 802.11ac WiFi (160MHz, MCS5, 90pc dc)	WLAN	9.06	± 9.6 %
10642	AAD	IEEE 802.11ac WiFi (160MHz, MCS6, 90pc dc)	WLAN	9.06	± 9.6 %
10643	AAD	IEEE 802.11ac WiFi (160MHz, MCS7, 90pc dc)	WLAN	8.89	± 9.6 %
10644	AAD	IEEE 802.11ac WiFi (160MHz, MCS8, 90pc dc)	WLAN	9.05	± 9.6 %
10645	AAD	IEEE 802.11ac WiFi (160MHz, MCS9, 90pc dc)	WLAN	9.11	± 9.6 %
10646	AAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub=2,7)	LTE-TDD	11.96	± 9.6 %
10647	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub=2,7)	LTE-TDD	11.96	± 9.6 %
10648	AAA	CDMA2000 (1x Advanced)	CDMA2000	3.45	± 9.6 %
10652	AAE	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.91	± 9.6 %
10653	AAE	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.42	± 9.6 %
10654	AAD	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.96	± 9.6 %
10655	AAE	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.21	± 9.6 %
10658	AAA	Pulse Waveform (200Hz, 10%)	Test	10.00	± 9.6 %
10659	AAA	Pulse Waveform (200Hz, 20%)	Test	6.99	± 9.6 %
10660	AAA	Pulse Waveform (200Hz, 40%)	Test	3.98	± 9.6 %
10661	AAA	Pulse Waveform (200Hz, 60%)	Test	2.22	± 9.6 %
10662	AAA	Pulse Waveform (200Hz, 80%)	Test	0.97	± 9.6 %
	AAA	Bluetooth Low Energy	Bluetooth	2.19	± 9.6 %
10670		IEEE 802.11ax (20MHz, MCS0, 90pc dc)	WLAN	9.09	± 9.6 %
10671 10672	AAC	IEEE 802.11ax (20MHz, MCS0, 90pc dc)	WLAN	8.57	± 9.6 %
100//	AAC	I ILLE OUZ. I TAX (ZUIVITZ, IVIÇS I, SUPC UC)	I VVLAIN	0.57	T 3.0 /0

10717 AAC IEEE 802.11ax (40MHz, MCS10, 99pc dc) WLAN 8.48 ± 9.6 % 10718 AAC IEEE 802.11ax (40MHz, MCS11, 99pc dc) WLAN 8.24 ± 9.6 % 10719 AAC IEEE 802.11ax (80MHz, MCS0, 90pc dc) WLAN 8.81 ± 9.6 % 10720 AAC IEEE 802.11ax (80MHz, MCS1, 90pc dc) WLAN 8.76 ± 9.6 % 10721 AAC IEEE 802.11ax (80MHz, MCS2, 90pc dc) WLAN 8.76 ± 9.6 % 10722 AAC IEEE 802.11ax (80MHz, MCS3, 90pc dc) WLAN 8.70 ± 9.6 % 10723 AAC IEEE 802.11ax (80MHz, MCS4, 90pc dc) WLAN 8.70 ± 9.6 % 10724 AAC IEEE 802.11ax (80MHz, MCS5, 90pc dc) WLAN 8.74 ± 9.6 % 10725 AAC IEEE 802.11ax (80MHz, MCS7, 90pc dc) WLAN 8.74 ± 9.6 % 10726 AAC IEEE 802.11ax (80MHz, MCS7, 90pc dc) WLAN 8.72 ± 9.6 % 10727 AAC IEEE 802.11ax (80MHz, MCS8, 90pc dc) WLAN 8.66 ± 9.6 %						
10675 AAC IEEE 802.11ax (20MHz, MCS4, 90pc dc)	10673	AAC	IEEE 802.11ax (20MHz, MCS2, 90pc dc)	WLAN	8.78	
10676 AAC IEEE 802.11ax (20MHz, MCS8, 90pc dc)	10674	AAC	IEEE 802.11ax (20MHz, MCS3, 90pc dc)	WLAN	8.74	± 9.6 %
10677 AAC	10675	AAC	IEEE 802.11ax (20MHz, MCS4, 90pc dc)	WLAN	8.90	± 9.6 %
10678 AAC IEEE 802.11ax (20MHz, MCSR, 90pc dc) WILAN 8.78 9.9 6 % 10680 AAC IEEE 802.11ax (20MHz, MCSR, 90pc dc) WILAN 8.80 9.9 6 % 10681 AAC IEEE 802.11ax (20MHz, MCSR, 90pc dc) WILAN 8.80 9.9 6 % 10681 AAC IEEE 802.11ax (20MHz, MCSR, 90pc dc) WILAN 8.80 9.9 6 % 10682 AAC IEEE 802.11ax (20MHz, MCSR, 90pc dc) WILAN 8.81 9.6 % 10683 AAC IEEE 802.11ax (20MHz, MCSR, 90pc dc) WILAN 8.82 9.6 % 10683 AAC IEEE 802.11ax (20MHz, MCSR, 90pc dc) WILAN 8.24 9.9 6 % 10685 AAC IEEE 802.11ax (20MHz, MCSR, 90pc dc) WILAN 8.24 9.8 % 10686 AAC IEEE 802.11ax (20MHz, MCSZ, 90pc dc) WILAN 8.24 9.8 % 10686 AAC IEEE 802.11ax (20MHz, MCSZ, 90pc dc) WILAN 8.24 9.9 6 % 10686 AAC IEEE 802.11ax (20MHz, MCSZ, 90pc dc) WILAN 8.25 9.6 % 10686 AAC IEEE 802.11ax (20MHz, MCSZ, 90pc dc) WILAN 8.25 9.6 % 10686 AAC IEEE 802.11ax (20MHz, MCSZ, 90pc dc) WILAN 8.25 9.6 % 10686 AAC IEEE 802.11ax (20MHz, MCSZ, 90pc dc) WILAN 8.29 9.6 % 10689 AAC IEEE 802.11ax (20MHz, MCSZ, 90pc dc) WILAN 8.29 9.6 % 10689 AAC IEEE 802.11ax (20MHz, MCSZ, 90pc dc) WILAN 8.29 9.6 % 10689 AAC IEEE 802.11ax (20MHz, MCSZ, 90pc dc) WILAN 8.29 9.6 % 10689 AAC IEEE 802.11ax (20MHz, MCSZ, 90pc dc) WILAN 8.29 9.6 % 10689 AAC IEEE 802.11ax (20MHz, MCSZ, 90pc dc) WILAN 8.29 9.6 % 10689 AAC IEEE 802.11ax (20MHz, MCSZ, 90pc dc) WILAN 8.29 9.6 % 10689 AAC IEEE 802.11ax (20MHz, MCSZ, 90pc dc) WILAN 8.29 9.6 % 10689 AAC IEEE 802.11ax (20MHz, MCSZ, 90pc dc) WILAN 8.29 9.6 % 10689 AAC IEEE 802.11ax (40MHz, MCSZ, 90pc dc) WILAN 8.29 9.6 % 10689 AAC IEEE 802.11ax (40MHz, MCSZ, 90pc dc) WILAN 8.29 9.6 % 10689 AAC IEEE 802.11ax (40MHz, MCSZ, 90pc dc) WILAN 8.29 9.6 % 10689 AAC IEEE 802.11ax (40MHz, MCSZ, 90pc dc) WILAN 8.29 9.6 % 10689 AAC IEEE 802.11ax (40MHz, MCSZ, 90pc dc) WIL	10676	AAC	IEEE 802.11ax (20MHz, MCS5, 90pc dc)	WLAN	8.77	± 9.6 %
10679 AAC IEEE 802.11ax (20MHz, MCS8, 90pc dc) WILAN 8.80 9.9.6 %	10677	AAC	IEEE 802.11ax (20MHz, MCS6, 90pc dc)	WLAN	8.73	± 9.6 %
10680 AAC IEEE 802.11ax (20MHz, MCS10, 90pc dc) WILAN 8.60 4.9.6 % 10681 AAC IEEE 802.11ax (20MHz, MCS11, 90pc dc) WILAN 8.62 4.9.6 % 10683 AAC IEEE 802.11ax (20MHz, MCS11, 90pc dc) WILAN 8.42 4.9.6 % 10684 AAC IEEE 802.11ax (20MHz, MCS1, 90pc dc) WILAN 8.42 4.9.6 % 10685 AAC IEEE 802.11ax (20MHz, MCS2, 90pc dc) WILAN 8.26 4.9.6 % 10686 AAC IEEE 802.11ax (20MHz, MCS2, 90pc dc) WILAN 8.26 4.9.6 % 10686 AAC IEEE 802.11ax (20MHz, MCS2, 90pc dc) WILAN 8.28 4.9.6 % 10687 AAC IEEE 802.11ax (20MHz, MCS2, 90pc dc) WILAN 8.28 4.9.6 % 10687 AAC IEEE 802.11ax (20MHz, MCS3, 90pc dc) WILAN 8.28 4.9.6 % 10689 AAC IEEE 802.11ax (20MHz, MCS3, 90pc dc) WILAN 8.29 4.9.6 % 10689 AAC IEEE 802.11ax (20MHz, MCS3, 90pc dc) WILAN 8.29 4.9.6 % 10689 AAC IEEE 802.11ax (20MHz, MCS3, 90pc dc) WILAN 8.29 4.9.6 % 10689 AAC IEEE 802.11ax (20MHz, MCS3, 90pc dc) WILAN 8.29 4.9.6 % 10689 AAC IEEE 802.11ax (20MHz, MCS3, 90pc dc) WILAN 8.29 4.9.6 % 10689 AAC IEEE 802.11ax (20MHz, MCS3, 90pc dc) WILAN 8.29 4.9.6 % 10689 AAC IEEE 802.11ax (20MHz, MCS3, 90pc dc) WILAN 8.25 4.9.6 % 10689 AAC IEEE 802.11ax (20MHz, MCS3, 90pc dc) WILAN 8.25 4.9.6 % 10689 AAC IEEE 802.11ax (20MHz, MCS3, 90pc dc) WILAN 8.25 4.9.6 % 10689 AAC IEEE 802.11ax (20MHz, MCS3, 90pc dc) WILAN 8.27 4.9.6 % 10689 AAC IEEE 802.11ax (40MHz, MCS3, 90pc dc) WILAN 8.78 4.9.6 % 10689 AAC IEEE 802.11ax (40MHz, MCS3, 90pc dc) WILAN 8.78 4.9.6 % 10689 AAC IEEE 802.11ax (40MHz, MCS3, 90pc dc) WILAN 8.81 4.9.6 % 10689 AAC IEEE 802.11ax (40MHz, MCS3, 90pc dc) WILAN 8.81 4.9.6 % 10689 AAC IEEE 802.11ax (40MHz, MCS3, 90pc dc) WILAN 8.89 4.9.6 % 10700 AAC IEEE 802.11ax (40MHz, MCS3, 90pc dc) WILAN 8.89 4.9.6 % 10700 AAC IEEE 802.11ax (40MHz, MCS3, 90pc dc) WILAN 8.89 4.9.6 % 10700 AAC	10678	AAC	IEEE 802.11ax (20MHz, MCS7, 90pc dc)	WLAN	8.78	± 9.6 %
10681 AAC IEEE 802.11ax (20MHz, MCS11, 90pc dc) WLAN 8.83 4.9.6 % 10682 AAC IEEE 802.11ax (20MHz, MCS1, 99pc dc) WLAN 8.42 4.9.6 % 10684 AAC IEEE 802.11ax (20MHz, MCS1, 99pc dc) WLAN 8.26 4.9.6 % 10686 AAC IEEE 802.11ax (20MHz, MCS1, 99pc dc) WLAN 8.26 4.9.6 % 10686 AAC IEEE 802.11ax (20MHz, MCS2, 99pc dc) WLAN 8.28 4.9.6 % 10686 AAC IEEE 802.11ax (20MHz, MCS3, 99pc dc) WLAN 8.28 4.9.6 % 10687 AAC IEEE 802.11ax (20MHz, MCS3, 99pc dc) WLAN 8.28 4.9.6 % 10687 AAC IEEE 802.11ax (20MHz, MCS3, 99pc dc) WLAN 8.29 4.9.6 % 10689 AAC IEEE 802.11ax (20MHz, MCS5, 99pc dc) WLAN 8.29 4.9.6 % 10689 AAC IEEE 802.11ax (20MHz, MCS5, 99pc dc) WLAN 8.55 4.9.6 % 10699 AAC IEEE 802.11ax (20MHz, MCS7, 99pc dc) WLAN 8.55 4.9.6 % 10691 AAC IEEE 802.11ax (20MHz, MCS7, 99pc dc) WLAN 8.25 4.9.6 % 10691 AAC IEEE 802.11ax (20MHz, MCS7, 99pc dc) WLAN 8.25 4.9.6 % 10691 AAC IEEE 802.11ax (20MHz, MCS9, 99pc dc) WLAN 8.25 4.9.6 % 10693 AAC IEEE 802.11ax (20MHz, MCS9, 99pc dc) WLAN 8.25 4.9.6 % 10694 AAC IEEE 802.11ax (20MHz, MCS9, 99pc dc) WLAN 8.25 4.9.6 % 10694 AAC IEEE 802.11ax (20MHz, MCS9, 99pc dc) WLAN 8.25 4.9.6 % 10694 AAC IEEE 802.11ax (20MHz, MCS9, 99pc dc) WLAN 8.25 4.9.6 % 10699 AAC IEEE 802.11ax (40MHz, MCS9, 99pc dc) WLAN 8.27 4.9.6 % 10699 AAC IEEE 802.11ax (40MHz, MCS9, 99pc dc) WLAN 8.57 4.9.6 % 10699 AAC IEEE 802.11ax (40MHz, MCS9, 99pc dc) WLAN 8.91 4.9.6 % 10699 AAC IEEE 802.11ax (40MHz, MCS9, 99pc dc) WLAN 8.81 4.9.6 % 10699 AAC IEEE 802.11ax (40MHz, MCS9, 99pc dc) WLAN 8.81 4.9.6 % 10699 AAC IEEE 802.11ax (40MHz, MCS9, 99pc dc) WLAN 8.82 4.9.6 % 10700 AAC IEEE 802.11ax (40MHz, MCS9, 99pc dc) WLAN 8.82 4.9.6 % 10700 AAC IEEE 802.11ax (40MHz, MCS9, 99pc dc) WLAN 8.82 4.9.6 % 10700 AAC IEEE 802.11ax (40MHz, MCS9, 9	10679	AAC	IEEE 802.11ax (20MHz, MCS8, 90pc dc)	WLAN	8.89	± 9.6 %
10882	10680	AAC	IEEE 802.11ax (20MHz, MCS9, 90pc dc)	WLAN	8.80	± 9.6 %
10883 AAC IEEE 802.11ax (20MHz, MCS0, 99pc dc) WLAN 8.26 ± 9.6 % 10885 AAC IEEE 802.11ax (20MHz, MCS2, 99pc dc) WLAN 8.28 ± 9.6 % 10886 AAC IEEE 802.11ax (20MHz, MCS2, 99pc dc) WLAN 8.28 ± 9.6 % 10887 AAC IEEE 802.11ax (20MHz, MCS3, 99pc dc) WLAN 8.28 ± 9.6 % 10887 AAC IEEE 802.11ax (20MHz, MCS4, 99pc dc) WLAN 8.29 ± 9.6 % 10688 AAC IEEE 802.11ax (20MHz, MCS4, 99pc dc) WLAN 8.29 ± 9.6 % 10689 AAC IEEE 802.11ax (20MHz, MCS5, 99pc dc) WLAN 8.29 ± 9.6 % 10689 AAC IEEE 802.11ax (20MHz, MCS7, 99pc dc) WLAN 8.29 ± 9.6 % 10691 AAC IEEE 802.11ax (20MHz, MCS7, 99pc dc) WLAN 8.29 ± 9.6 % 10691 AAC IEEE 802.11ax (20MHz, MCS7, 99pc dc) WLAN 8.25 ± 9.6 % 10691 AAC IEEE 802.11ax (20MHz, MCS7, 99pc dc) WLAN 8.25 ± 9.6 % 10691 AAC IEEE 802.11ax (20MHz, MCS1, 99pc dc) WLAN 8.25 ± 9.6 % 10694 AAC IEEE 802.11ax (20MHz, MCS1, 99pc dc) WLAN 8.25 ± 9.6 % 10694 AAC IEEE 802.11ax (20MHz, MCS1, 99pc dc) WLAN 8.27 ± 9.6 % 10699 AAC IEEE 802.11ax (20MHz, MCS1, 99pc dc) WLAN 8.57 ± 9.6 % 10699 AAC IEEE 802.11ax (40MHz, MCS1, 99pc dc) WLAN 8.57 ± 9.6 % 10699 AAC IEEE 802.11ax (40MHz, MCS1, 99pc dc) WLAN 8.57 ± 9.6 % 10699 AAC IEEE 802.11ax (40MHz, MCS3, 99pc dc) WLAN 8.51 ± 9.6 % 10699 AAC IEEE 802.11ax (40MHz, MCS3, 99pc dc) WLAN 8.51 ± 9.6 % 10699 AAC IEEE 802.11ax (40MHz, MCS3, 99pc dc) WLAN 8.51 ± 9.6 % 10699 AAC IEEE 802.11ax (40MHz, MCS3, 99pc dc) WLAN 8.51 ± 9.6 % 10699 AAC IEEE 802.11ax (40MHz, MCS3, 99pc dc) WLAN 8.51 ± 9.6 % 10699 AAC IEEE 802.11ax (40MHz, MCS3, 99pc dc) WLAN 8.51 ± 9.6 % 10700 AAC IEEE 802.11ax (40MHz, MCS3, 99pc dc) WLAN 8.52 ± 9.6 % 10700 AAC IEEE 802.11ax (40MHz, MCS3, 99pc dc) WLAN 8.52 ± 9.6 % 10700 AAC IEEE 802.11ax (40MHz, MCS3, 99pc dc) WLAN 8.56 ± 9.6 % 10700 AAC IEEE 802.11ax (40MHz, MCS3,	10681	AAC	IEEE 802.11ax (20MHz, MCS10, 90pc dc)	WLAN	8.62	± 9.6 %
10684 AAC IEEE 802.11ax (20MHz, MCS1, 99pc dc) WLAN 8.33 4.96 % 10686 AAC IEEE 802.11ax (20MHz, MCS3, 99pc dc) WLAN 8.33 4.96 % 10687 AAC IEEE 802.11ax (20MHz, MCS3, 99pc dc) WLAN 8.28 4.96 % 10687 AAC IEEE 802.11ax (20MHz, MCS4, 99pc dc) WLAN 8.45 4.96 % 10689 AAC IEEE 802.11ax (20MHz, MCS5, 99pc dc) WLAN 8.45 4.96 % 10689 AAC IEEE 802.11ax (20MHz, MCS5, 99pc dc) WLAN 8.45 4.96 % 10689 AAC IEEE 802.11ax (20MHz, MCS5, 99pc dc) WLAN 8.29 4.96 % 10689 AAC IEEE 802.11ax (20MHz, MCS8, 99pc dc) WLAN 8.25 4.96 % 10689 AAC IEEE 802.11ax (20MHz, MCS8, 99pc dc) WLAN 8.25 4.96 % 10689 AAC IEEE 802.11ax (20MHz, MCS8, 99pc dc) WLAN 8.25 4.96 % 10689 AAC IEEE 802.11ax (20MHz, MCS8, 99pc dc) WLAN 8.25 4.96 % 10689 AAC IEEE 802.11ax (20MHz, MCS1, 99pc dc) WLAN 8.25 4.96 % 10689 AAC IEEE 802.11ax (20MHz, MCS1, 99pc dc) WLAN 8.25 4.96 % 10689 AAC IEEE 802.11ax (20MHz, MCS1, 99pc dc) WLAN 8.57 4.96 % 10689 AAC IEEE 802.11ax (20MHz, MCS1, 99pc dc) WLAN 8.78 4.96 % 10689 AAC IEEE 802.11ax (40MHz, MCS1, 99pc dc) WLAN 8.78 4.96 % 10689 AAC IEEE 802.11ax (40MHz, MCS2, 99pc dc) WLAN 8.89 4.96 % 10689 AAC IEEE 802.11ax (40MHz, MCS3, 99pc dc) WLAN 8.81 4.96 % 10689 AAC IEEE 802.11ax (40MHz, MCS3, 99pc dc) WLAN 8.81 4.96 % 10700 AAC IEEE 802.11ax (40MHz, MCS3, 99pc dc) WLAN 8.81 4.96 % 10700 AAC IEEE 802.11ax (40MHz, MCS3, 99pc dc) WLAN 8.81 4.96 % 10700 AAC IEEE 802.11ax (40MHz, MCS3, 99pc dc) WLAN 8.82 4.96 % 10700 AAC IEEE 802.11ax (40MHz, MCS3, 99pc dc) WLAN 8.82 4.96 % 10700 AAC IEEE 802.11ax (40MHz, MCS3, 99pc dc) WLAN 8.82 4.96 % 10700 AAC IEEE 802.11ax (40MHz, MCS3, 99pc dc) WLAN 8.82 4.96 % 10700 AAC IEEE 802.11ax (40MHz, MCS3, 99pc dc) WLAN 8.84 4.96 % 10700 AAC IEEE 802.11ax (40MHz, MCS3, 99pc dc) WLAN 8.86 4	10682	AAC	IEEE 802.11ax (20MHz, MCS11, 90pc dc)	WLAN	8.83	± 9.6 %
10685 AAC	10683	AAC	IEEE 802.11ax (20MHz, MCS0, 99pc dc)	WLAN	8.42	± 9.6 %
10686 AAC	10684	AAC	IEEE 802.11ax (20MHz, MCS1, 99pc dc)	WLAN	8.26	± 9.6 %
10687 AAC	10685	AAC	IEEE 802.11ax (20MHz, MCS2, 99pc dc)	WLAN	8.33	± 9.6 %
10688	10686	AAC	IEEE 802.11ax (20MHz, MCS3, 99pc dc)	WLAN	8.28	± 9.6 %
10689	10687	AAC	IEEE 802.11ax (20MHz, MCS4, 99pc dc)	WLAN	8.45	± 9.6 %
10690	10688	AAC	IEEE 802.11ax (20MHz, MCS5, 99pc dc)	WLAN	8.29	± 9.6 %
10691 AAC IEEE 802.11ax (20MHz, MCS8, 99pc dc)	10689	AAC	IEEE 802.11ax (20MHz, MCS6, 99pc dc)	WLAN	8.55	± 9.6 %
10692	10690	AAC	IEEE 802.11ax (20MHz, MCS7, 99pc dc)	WLAN	8.29	± 9.6 %
10693	10691	AAC	IEEE 802.11ax (20MHz, MCS8, 99pc dc)	WLAN	8.25	± 9.6 %
10694 AAC IEEE 802.11ax (20MHz, MCS11, 99pc dc) WLAN 8.57 ± 9.6 % 10695 AAC IEEE 802.11ax (40MHz, MCS0, 90pc dc) WLAN 8.91 ± 9.6 % 10696 AAC IEEE 802.11ax (40MHz, MCS1, 90pc dc) WLAN 8.91 ± 9.6 % 10697 AAC IEEE 802.11ax (40MHz, MCS1, 90pc dc) WLAN 8.61 ± 9.6 % 10698 AAC IEEE 802.11ax (40MHz, MCS3, 90pc dc) WLAN 8.89 ± 9.6 % 10699 AAC IEEE 802.11ax (40MHz, MCS3, 90pc dc) WLAN 8.89 ± 9.6 % 10700 AAC IEEE 802.11ax (40MHz, MCS4, 90pc dc) WLAN 8.73 ± 9.6 % 10701 AAC IEEE 802.11ax (40MHz, MCS6, 90pc dc) WLAN 8.73 ± 9.6 % 10701 AAC IEEE 802.11ax (40MHz, MCS6, 90pc dc) WLAN 8.70 ± 9.6 % 10702 AAC IEEE 802.11ax (40MHz, MCS6, 90pc dc) WLAN 8.86 ± 9.6 % 10703 AAC IEEE 802.11ax (40MHz, MCS6, 90pc dc) WLAN 8.82 ± 9.6 % 10704 AAC IEEE 802.11ax (40MHz, MCS9, 90pc dc) WLAN 8.82 ± 9.6 % 10705 AAC IEEE 802.11ax (40MHz, MCS9, 90pc dc) WLAN 8.56 ± 9.6 % 10705 AAC IEEE 802.11ax (40MHz, MCS9, 90pc dc) WLAN 8.56 ± 9.6 % 10705 AAC IEEE 802.11ax (40MHz, MCS10, 90pc dc) WLAN 8.69 ± 9.6 % 10706 AAC IEEE 802.11ax (40MHz, MCS10, 90pc dc) WLAN 8.69 ± 9.6 % 10707 AAC IEEE 802.11ax (40MHz, MCS10, 90pc dc) WLAN 8.66 ± 9.6 % 10708 AAC IEEE 802.11ax (40MHz, MCS10, 90pc dc) WLAN 8.32 ± 9.6 % 10709 AAC IEEE 802.11ax (40MHz, MCS3, 90pc dc) WLAN 8.33 ± 9.6 % 10709 AAC IEEE 802.11ax (40MHz, MCS3, 90pc dc) WLAN 8.35 ± 9.6 % 10701 AAC IEEE 802.11ax (40MHz, MCS3, 90pc dc) WLAN 8.29 ± 9.6 % 10701 AAC IEEE 802.11ax (40MHz, MCS3, 90pc dc) WLAN 8.29 ± 9.6 % 10713 AAC IEEE 802.11ax (40MHz, MCS3, 90pc dc) WLAN 8.29 ± 9.6 % 10714 AAC IEEE 802.11ax (40MHz, MCS3, 90pc dc) WLAN 8.26 ± 9.6 % 10714 AAC IEEE 802.11ax (40MHz, MCS3, 90pc dc) WLAN 8.26 ± 9.6 % 10714 AAC IEEE 802.11ax (40MHz, MCS3, 90pc dc) WLAN 8.26 ± 9.6 % 10714 AAC IEEE 802.11ax (40MHz, M	10692	AAC	IEEE 802.11ax (20MHz, MCS9, 99pc dc)	WLAN	8.29	± 9.6 %
10695 AAC IEEE 802.11ax (40MHz, MCS0, 90pc dc) WLAN 8.78 ± 9.6 % 10696 AAC IEEE 802.11ax (40MHz, MCS1, 90pc dc) WLAN 8.91 ± 9.6 % 10697 AAC IEEE 802.11ax (40MHz, MCS2, 90pc dc) WLAN 8.61 ± 9.6 % 10698 AAC IEEE 802.11ax (40MHz, MCS3, 90pc dc) WLAN 8.89 ± 9.6 % 10699 AAC IEEE 802.11ax (40MHz, MCS4, 90pc dc) WLAN 8.82 ± 9.6 % 10700 AAC IEEE 802.11ax (40MHz, MCS5, 90pc dc) WLAN 8.82 ± 9.6 % 10701 AAC IEEE 802.11ax (40MHz, MCS5, 90pc dc) WLAN 8.86 ± 9.6 % 10702 AAC IEEE 802.11ax (40MHz, MCS7, 90pc dc) WLAN 8.70 ± 9.6 % 10703 AAC IEEE 802.11ax (40MHz, MCS7, 90pc dc) WLAN 8.70 ± 9.6 % 10703 AAC IEEE 802.11ax (40MHz, MCS9, 90pc dc) WLAN 8.82 ± 9.6 % 10704 AAC IEEE 802.11ax (40MHz, MCS9, 90pc dc) WLAN 8.85 ± 9.6 % 10705 AAC IEEE 802.11ax (40MHz, MCS9, 90pc dc) WLAN 8.66 ± 9.6 % 10705 AAC IEEE 802.11ax (40MHz, MCS9, 90pc dc) WLAN 8.69 ± 9.6 % 10706 AAC IEEE 802.11ax (40MHz, MCS11, 90pc dc) WLAN 8.69 ± 9.6 % 10707 AAC IEEE 802.11ax (40MHz, MCS11, 90pc dc) WLAN 8.60 ± 9.6 % 10708 AAC IEEE 802.11ax (40MHz, MCS19, 90pc dc) WLAN 8.60 ± 9.6 % 10709 AAC IEEE 802.11ax (40MHz, MCS19, 90pc dc) WLAN 8.32 ± 9.6 % 10708 AAC IEEE 802.11ax (40MHz, MCS19, 90pc dc) WLAN 8.32 ± 9.6 % 10709 AAC IEEE 802.11ax (40MHz, MCS19, 90pc dc) WLAN 8.33 ± 9.6 % 10710 AAC IEEE 802.11ax (40MHz, MCS19, 90pc dc) WLAN 8.33 ± 9.6 % 10711 AAC IEEE 802.11ax (40MHz, MCS19, 90pc dc) WLAN 8.33 ± 9.6 % 10711 AAC IEEE 802.11ax (40MHz, MCS19, 90pc dc) WLAN 8.33 ± 9.6 % 10712 AAC IEEE 802.11ax (40MHz, MCS9, 90pc dc) WLAN 8.33 ± 9.6 % 10713 AAC IEEE 802.11ax (40MHz, MCS9, 90pc dc) WLAN 8.87 ± 9.6 % 10713 AAC IEEE 802.11ax (40MHz, MCS9, 90pc dc) WLAN 8.87 ± 9.6 % 10714 AAC IEEE 802.11ax (40MHz, MCS9, 90pc dc) WLAN 8.88 ± 9.6 % 10714 AAC IEEE 802.11ax (40MH	10693	AAC	IEEE 802.11ax (20MHz, MCS10, 99pc dc)	WLAN	8.25	± 9.6 %
10696 AAC	10694	AAC	IEEE 802.11ax (20MHz, MCS11, 99pc dc)	WLAN	8.57	± 9.6 %
10697 AAC	10695	AAC	IEEE 802.11ax (40MHz, MCS0, 90pc dc)	WLAN	8.78	± 9.6 %
10698 AAC IEEE 802.11ax (40MHz, MCS3, 90pc dc) WLAN 8.89 ± 9.6 % 10699 AAC IEEE 802.11ax (40MHz, MCS4, 90pc dc) WLAN 8.82 ± 9.6 % 10701 AAC IEEE 802.11ax (40MHz, MCS6, 90pc dc) WLAN 8.87 ± 9.6 % 10702 AAC IEEE 802.11ax (40MHz, MCS6, 90pc dc) WLAN 8.86 ± 9.6 % 10702 AAC IEEE 802.11ax (40MHz, MCS6, 90pc dc) WLAN 8.70 ± 9.6 % 10703 AAC IEEE 802.11ax (40MHz, MCS7, 90pc dc) WLAN 8.82 ± 9.6 % 10703 AAC IEEE 802.11ax (40MHz, MCS9, 90pc dc) WLAN 8.56 ± 9.6 % 10704 AAC IEEE 802.11ax (40MHz, MCS9, 90pc dc) WLAN 8.56 ± 9.6 % 10705 AAC IEEE 802.11ax (40MHz, MCS9, 90pc dc) WLAN 8.69 ± 9.6 % 10706 AAC IEEE 802.11ax (40MHz, MCS9, 90pc dc) WLAN 8.69 ± 9.6 % 10706 AAC IEEE 802.11ax (40MHz, MCS9, 90pc dc) WLAN 8.66 ± 9.6 % 10707 AAC IEEE 802.11ax (40MHz, MCS9, 90pc dc) WLAN 8.66 ± 9.6 % 10707 AAC IEEE 802.11ax (40MHz, MCS9, 90pc dc) WLAN 8.32 ± 9.6 % 10708 AAC IEEE 802.11ax (40MHz, MCS9, 90pc dc) WLAN 8.32 ± 9.6 % 10709 AAC IEEE 802.11ax (40MHz, MCS2, 90pc dc) WLAN 8.33 ± 9.6 % 10709 AAC IEEE 802.11ax (40MHz, MCS2, 90pc dc) WLAN 8.29 ± 9.6 % 10710 AAC IEEE 802.11ax (40MHz, MCS3, 90pc dc) WLAN 8.29 ± 9.6 % 10711 AAC IEEE 802.11ax (40MHz, MCS4, 90pc dc) WLAN 8.33 ± 9.6 % 10712 AAC IEEE 802.11ax (40MHz, MCS4, 90pc dc) WLAN 8.67 ± 9.6 % 10713 AAC IEEE 802.11ax (40MHz, MCS9, 90pc dc) WLAN 8.28 ± 9.6 % 10713 AAC IEEE 802.11ax (40MHz, MCS9, 90pc dc) WLAN 8.28 ± 9.6 % 10714 AAC IEEE 802.11ax (40MHz, MCS9, 90pc dc) WLAN 8.26 ± 9.6 % 10715 AAC IEEE 802.11ax (40MHz, MCS9, 90pc dc) WLAN 8.26 ± 9.6 % 10716 AAC IEEE 802.11ax (40MHz, MCS9, 90pc dc) WLAN 8.24 ± 9.6 % 10718 AAC IEEE 802.11ax (40MHz, MCS9, 90pc dc) WLAN 8.45 ± 9.6 % 10719 AAC IEEE 802.11ax (40MHz, MCS9, 90pc dc) WLAN 8.50 ± 9.6 % 10720 AAC IEEE 802.11ax (40MHz, MCS9, 90pc dc) WLAN 8.76 ± 9.6 % 10721 AAC IEEE	10696	AAC	IEEE 802.11ax (40MHz, MCS1, 90pc dc)	WLAN	8.91	± 9.6 %
10699	10697	AAC	IEEE 802.11ax (40MHz, MCS2, 90pc dc)	WLAN	8.61	± 9.6 %
10700 AAC IEEE 802.11ax (40MHz, MCS5, 90pc dc) WLAN 8.73 ± 9.6 % 10701 AAC IEEE 802.11ax (40MHz, MCS6, 90pc dc) WLAN 8.86 ± 9.6 % 10702 AAC IEEE 802.11ax (40MHz, MCS7, 90pc dc) WLAN 8.70 ± 9.6 % 10703 AAC IEEE 802.11ax (40MHz, MCS8, 90pc dc) WLAN 8.82 ± 9.6 % 10704 AAC IEEE 802.11ax (40MHz, MCS9, 90pc dc) WLAN 8.82 ± 9.6 % 10705 AAC IEEE 802.11ax (40MHz, MCS10, 90pc dc) WLAN 8.69 ± 9.6 % 10706 AAC IEEE 802.11ax (40MHz, MCS10, 90pc dc) WLAN 8.66 ± 9.6 % 10707 AAC IEEE 802.11ax (40MHz, MCS10, 90pc dc) WLAN 8.32 ± 9.6 % 10708 AAC IEEE 802.11ax (40MHz, MCS10, 90pc dc) WLAN 8.32 ± 9.6 % 10709 AAC IEEE 802.11ax (40MHz, MCS1, 90pc dc) WLAN 8.35 ± 9.6 % 10709 AAC IEEE 802.11ax (40MHz, MCS2, 90pc dc) WLAN 8.33 ± 9.6 % 10710 AAC IEEE 802.11ax (40MHz, MCS2, 90pc dc) WLAN 8.33 ± 9.6 % 10710 AAC IEEE 802.11ax (40MHz, MCS3, 90pc dc) WLAN 8.33 ± 9.6 % 10711 AAC IEEE 802.11ax (40MHz, MCS3, 90pc dc) WLAN 8.39 ± 9.6 % 10711 AAC IEEE 802.11ax (40MHz, MCS4, 90pc dc) WLAN 8.39 ± 9.6 % 10712 AAC IEEE 802.11ax (40MHz, MCS5, 90pc dc) WLAN 8.67 ± 9.6 % 10713 AAC IEEE 802.11ax (40MHz, MCS5, 90pc dc) WLAN 8.67 ± 9.6 % 10713 AAC IEEE 802.11ax (40MHz, MCS6, 90pc dc) WLAN 8.26 ± 9.6 % 10715 AAC IEEE 802.11ax (40MHz, MCS6, 90pc dc) WLAN 8.26 ± 9.6 % 10716 AAC IEEE 802.11ax (40MHz, MCS7, 90pc dc) WLAN 8.26 ± 9.6 % 10716 AAC IEEE 802.11ax (40MHz, MCS7, 90pc dc) WLAN 8.26 ± 9.6 % 10718 AAC IEEE 802.11ax (40MHz, MCS1, 90pc dc) WLAN 8.24 ± 9.6 % 10718 AAC IEEE 802.11ax (40MHz, MCS9, 90pc dc) WLAN 8.24 ± 9.6 % 10720 AAC IEEE 802.11ax (40MHz, MCS9, 90pc dc) WLAN 8.24 ± 9.6 % 10720 AAC IEEE 802.11ax (80MHz, MCS9, 90pc dc) WLAN 8.70 ± 9.6 % 10720 AAC IEEE 802.11ax (80MHz, MCS9, 90pc dc) WLAN 8.70 ± 9.6 % 10720 AAC IEEE 802.11ax (80MHz, MC	10698		IEEE 802.11ax (40MHz, MCS3, 90pc dc)	WLAN	8.89	± 9.6 %
10701 AAC IEEE 802.11ax (40MHz, MCS6, 90pc dc) WLAN 8.86 ± 9.6 % 10702 AAC IEEE 802.11ax (40MHz, MCS7, 90pc dc) WLAN 8.70 ± 9.6 % 10703 AAC IEEE 802.11ax (40MHz, MCS8, 90pc dc) WLAN 8.56 ± 9.6 % 10704 AAC IEEE 802.11ax (40MHz, MCS9, 90pc dc) WLAN 8.56 ± 9.6 % 10705 AAC IEEE 802.11ax (40MHz, MCS10, 90pc dc) WLAN 8.68 ± 9.6 % 10706 AAC IEEE 802.11ax (40MHz, MCS11, 90pc dc) WLAN 8.66 ± 9.6 % 10707 AAC IEEE 802.11ax (40MHz, MCS11, 90pc dc) WLAN 8.66 ± 9.6 % 10707 AAC IEEE 802.11ax (40MHz, MCS0, 99pc dc) WLAN 8.32 ± 9.6 % 10708 AAC IEEE 802.11ax (40MHz, MCS0, 99pc dc) WLAN 8.32 ± 9.6 % 10709 AAC IEEE 802.11ax (40MHz, MCS3, 99pc dc) WLAN 8.33 ± 9.6 % 10710 AAC IEEE 802.11ax (40MHz, MCS3, 99pc dc) WLAN 8.33 ± 9.6 % 10711 AAC IEEE 802.11ax (40MHz, MCS3, 99pc dc) WLAN 8.29 ± 9.6 % 10711 AAC IEEE 802.11ax (40MHz, MCS3, 99pc dc) WLAN 8.39 ± 9.6 % 10712 AAC IEEE 802.11ax (40MHz, MCS3, 99pc dc) WLAN 8.39 ± 9.6 % 10713 AAC IEEE 802.11ax (40MHz, MCS5, 99pc dc) WLAN 8.67 ± 9.6 % 10713 AAC IEEE 802.11ax (40MHz, MCS5, 99pc dc) WLAN 8.67 ± 9.6 % 10715 AAC IEEE 802.11ax (40MHz, MCS6, 99pc dc) WLAN 8.26 ± 9.6 % 10715 AAC IEEE 802.11ax (40MHz, MCS9, 99pc dc) WLAN 8.26 ± 9.6 % 10715 AAC IEEE 802.11ax (40MHz, MCS9, 99pc dc) WLAN 8.45 ± 9.6 % 10716 AAC IEEE 802.11ax (40MHz, MCS9, 99pc dc) WLAN 8.45 ± 9.6 % 10717 AAC IEEE 802.11ax (40MHz, MCS9, 99pc dc) WLAN 8.45 ± 9.6 % 10718 AAC IEEE 802.11ax (40MHz, MCS9, 99pc dc) WLAN 8.45 ± 9.6 % 10719 AAC IEEE 802.11ax (40MHz, MCS9, 90pc dc) WLAN 8.48 ± 9.6 % 10719 AAC IEEE 802.11ax (40MHz, MCS9, 90pc dc) WLAN 8.48 ± 9.6 % 10720 AAC IEEE 802.11ax (40MHz, MCS9, 90pc dc) WLAN 8.76 ± 9.6 % 10720 AAC IEEE 802.11ax (80MHz, MCS9, 90pc dc) WLAN 8.76 ± 9.6 % 10722 AAC IEEE 802.11ax (80MHz, MCS	10699	AAC	IEEE 802.11ax (40MHz, MCS4, 90pc dc)	WLAN	8.82	± 9.6 %
10702 AAC	10700	AAC	IEEE 802.11ax (40MHz, MCS5, 90pc dc)	WLAN	8.73	± 9.6 %
10703 AAC IEEE 802.11ax (40MHz, MCS8, 90pc dc) WLAN 8.82	10701	AAC	IEEE 802.11ax (40MHz, MCS6, 90pc dc)	WLAN	8.86	± 9.6 %
10704 AAC IEEE 802.11ax (40MHz, MCS9, 90pc dc) WLAN 8.56 ± 9.6 % 10705 AAC IEEE 802.11ax (40MHz, MCS10, 90pc dc) WLAN 8.69 ± 9.6 % 10706 AAC IEEE 802.11ax (40MHz, MCS11, 90pc dc) WLAN 8.66 ± 9.6 % 10707 AAC IEEE 802.11ax (40MHz, MCS1, 99pc dc) WLAN 8.32 ± 9.6 % 10708 AAC IEEE 802.11ax (40MHz, MCS1, 99pc dc) WLAN 8.33 ± 9.6 % 10709 AAC IEEE 802.11ax (40MHz, MCS2, 99pc dc) WLAN 8.33 ± 9.6 % 10710 AAC IEEE 802.11ax (40MHz, MCS3, 99pc dc) WLAN 8.29 ± 9.6 % 10711 AAC IEEE 802.11ax (40MHz, MCS3, 99pc dc) WLAN 8.39 ± 9.6 % 10711 AAC IEEE 802.11ax (40MHz, MCS4, 99pc dc) WLAN 8.39 ± 9.6 % 10712 AAC IEEE 802.11ax (40MHz, MCS4, 99pc dc) WLAN 8.67 ± 9.6 % 10713 AAC IEEE 802.11ax (40MHz, MCS6, 99pc dc) WLAN 8.67 ± 9.6 % 10714 AAC IEEE 802.11ax (40MHz, MCS6, 99pc dc) WLAN 8.33 ± 9.6 % 10714 AAC IEEE 802.11ax (40MHz, MCS6, 99pc dc) WLAN 8.26 ± 9.6 % 10715 AAC IEEE 802.11ax (40MHz, MCS9, 99pc dc) WLAN 8.26 ± 9.6 % 10716 AAC IEEE 802.11ax (40MHz, MCS9, 99pc dc) WLAN 8.45 ± 9.6 % 10716 AAC IEEE 802.11ax (40MHz, MCS9, 99pc dc) WLAN 8.48 ± 9.6 % 10717 AAC IEEE 802.11ax (40MHz, MCS9, 99pc dc) WLAN 8.48 ± 9.6 % 10719 AAC IEEE 802.11ax (40MHz, MCS11, 99pc dc) WLAN 8.48 ± 9.6 % 10719 AAC IEEE 802.11ax (40MHz, MCS11, 99pc dc) WLAN 8.48 ± 9.6 % 10720 AAC IEEE 802.11ax (80MHz, MCS1, 90pc dc) WLAN 8.76 ± 9.6 % 10721 AAC IEEE 802.11ax (80MHz, MCS1, 90pc dc) WLAN 8.76 ± 9.6 % 10722 AAC IEEE 802.11ax (80MHz, MCS3, 90pc dc) WLAN 8.76 ± 9.6 % 10725 AAC IEEE 802.11ax (80MHz, MCS3, 90pc dc) WLAN 8.70 ± 9.6 % 10725 AAC IEEE 802.11ax (80MHz, MCS3, 90pc dc) WLAN 8.70 ± 9.6 % 10725 AAC IEEE 802.11ax (80MHz, MCS3, 90pc dc) WLAN 8.70 ± 9.6 % 10726 AAC IEEE 802.11ax (80MHz, MCS3, 90pc dc) WLAN 8.70 ± 9.6 % 10726 AAC IEEE 802.11ax (80MHz, MC	10702	AAC	IEEE 802.11ax (40MHz, MCS7, 90pc dc)	WLAN	8.70	± 9.6 %
10705 AAC	10703	AAC	IEEE 802.11ax (40MHz, MCS8, 90pc dc)	WLAN	8.82	± 9.6 %
10706 AAC IEEE 802.11ax (40MHz, MCS1, 99pc dc) WLAN 8.66 ± 9.6 % 10707 AAC IEEE 802.11ax (40MHz, MCS0, 99pc dc) WLAN 8.32 ± 9.6 % 10708 AAC IEEE 802.11ax (40MHz, MCS1, 99pc dc) WLAN 8.55 ± 9.6 % 10709 AAC IEEE 802.11ax (40MHz, MCS2, 99pc dc) WLAN 8.33 ± 9.6 % 10710 AAC IEEE 802.11ax (40MHz, MCS3, 99pc dc) WLAN 8.29 ± 9.6 % 10711 AAC IEEE 802.11ax (40MHz, MCS5, 99pc dc) WLAN 8.39 ± 9.6 % 10711 AAC IEEE 802.11ax (40MHz, MCS5, 99pc dc) WLAN 8.67 ± 9.6 % 10712 AAC IEEE 802.11ax (40MHz, MCS6, 99pc dc) WLAN 8.67 ± 9.6 % 10713 AAC IEEE 802.11ax (40MHz, MCS7, 99pc dc) WLAN 8.26 ± 9.6 % 10714 AAC IEEE 802.11ax (40MHz, MCS1, 99pc dc) WLAN 8.26 ± 9.6 % 10715 AAC IEEE 802.11ax (40MHz, MCS1, 99pc dc) WLAN 8.45 ± 9.6 % <td>10704</td> <td>AAC</td> <td>IEEE 802.11ax (40MHz, MCS9, 90pc dc)</td> <td>WLAN</td> <td>8.56</td> <td>± 9.6 %</td>	10704	AAC	IEEE 802.11ax (40MHz, MCS9, 90pc dc)	WLAN	8.56	± 9.6 %
10707 AAC IEEE 802.11ax (40MHz, MCS0, 99pc dc) WLAN 8.52 ± 9.6 % 10708 AAC IEEE 802.11ax (40MHz, MCS1, 99pc dc) WLAN 8.55 ± 9.6 % 10709 AAC IEEE 802.11ax (40MHz, MCS2, 99pc dc) WLAN 8.33 ± 9.6 % 10710 AAC IEEE 802.11ax (40MHz, MCS3, 99pc dc) WLAN 8.29 ± 9.6 % 10711 AAC IEEE 802.11ax (40MHz, MCS4, 99pc dc) WLAN 8.29 ± 9.6 % 10712 AAC IEEE 802.11ax (40MHz, MCS5, 99pc dc) WLAN 8.67 ± 9.6 % 10713 AAC IEEE 802.11ax (40MHz, MCS5, 99pc dc) WLAN 8.67 ± 9.6 % 10714 AAC IEEE 802.11ax (40MHz, MCS6, 99pc dc) WLAN 8.26 ± 9.6 % 10714 AAC IEEE 802.11ax (40MHz, MCS7, 99pc dc) WLAN 8.26 ± 9.6 % 10715 AAC IEEE 802.11ax (40MHz, MCS9, 99pc dc) WLAN 8.26 ± 9.6 % 10715 AAC IEEE 802.11ax (40MHz, MCS9, 99pc dc) WLAN 8.45 ± 9.6 % 10716 AAC IEEE 802.11ax (40MHz, MCS9, 99pc dc) WLAN 8.45 ± 9.6 % 10716 AAC IEEE 802.11ax (40MHz, MCS10, 99pc dc) WLAN 8.30 ± 9.6 % 10717 AAC IEEE 802.11ax (40MHz, MCS10, 99pc dc) WLAN 8.48 ± 9.6 % 10718 AAC IEEE 802.11ax (40MHz, MCS10, 99pc dc) WLAN 8.48 ± 9.6 % 10719 AAC IEEE 802.11ax (80MHz, MCS11, 99pc dc) WLAN 8.24 ± 9.6 % 10720 AAC IEEE 802.11ax (80MHz, MCS1, 90pc dc) WLAN 8.87 ± 9.6 % 10720 AAC IEEE 802.11ax (80MHz, MCS2, 90pc dc) WLAN 8.76 ± 9.6 % 10721 AAC IEEE 802.11ax (80MHz, MCS2, 90pc dc) WLAN 8.76 ± 9.6 % 10722 AAC IEEE 802.11ax (80MHz, MCS3, 90pc dc) WLAN 8.70 ± 9.6 % 10724 AAC IEEE 802.11ax (80MHz, MCS3, 90pc dc) WLAN 8.70 ± 9.6 % 10724 AAC IEEE 802.11ax (80MHz, MCS3, 90pc dc) WLAN 8.70 ± 9.6 % 10724 AAC IEEE 802.11ax (80MHz, MCS3, 90pc dc) WLAN 8.70 ± 9.6 % 10724 AAC IEEE 802.11ax (80MHz, MCS6, 90pc dc) WLAN 8.70 ± 9.6 % 10724 AAC IEEE 802.11ax (80MHz, MCS6, 90pc dc) WLAN 8.70 ± 9.6 % 10724 AAC IEEE 802.11ax (80MHz, MCS6, 90pc dc) WLAN 8.70 ± 9.6 % 10724 AAC IEEE 802.11ax (80MHz, MCS6, 90pc dc) WLAN 8.72 ± 9.6 % 10724 AAC IEEE 802.11ax (80MHz, MCS6, 90pc dc) WLAN 8.72 ± 9.6 % 10724 AAC IEEE 802.11ax (80MHz, MCS6, 90pc dc) WLAN 8.72 ± 9.6 % 10724 AAC IEEE 802.11ax (80MHz, MCS7, 90pc dc) WLAN 8.72 ± 9.6 % 10724 AAC IEEE 802.11ax (80MHz, MCS6, 90pc dc) WLAN 8.72 ± 9.6 % 10724 AAC IEEE 802.11ax (80	10705	AAC	IEEE 802.11ax (40MHz, MCS10, 90pc dc)	WLAN	8.69	± 9.6 %
10708 AAC IEEE 802.11ax (40MHz, MCS1, 99pc dc) WLAN 8.55 ± 9.6 % 10709 AAC IEEE 802.11ax (40MHz, MCS2, 99pc dc) WLAN 8.33 ± 9.6 % 10710 AAC IEEE 802.11ax (40MHz, MCS3, 99pc dc) WLAN 8.29 ± 9.6 % 10711 AAC IEEE 802.11ax (40MHz, MCS4, 99pc dc) WLAN 8.39 ± 9.6 % 10712 AAC IEEE 802.11ax (40MHz, MCS5, 99pc dc) WLAN 8.667 ± 9.6 % 10713 AAC IEEE 802.11ax (40MHz, MCS6, 99pc dc) WLAN 8.33 ± 9.6 % 10714 AAC IEEE 802.11ax (40MHz, MCS7, 99pc dc) WLAN 8.26 ± 9.6 % 10715 AAC IEEE 802.11ax (40MHz, MCS8, 99pc dc) WLAN 8.26 ± 9.6 % 10716 AAC IEEE 802.11ax (40MHz, MCS9, 99pc dc) WLAN 8.30 ± 9.6 % 10717 AAC IEEE 802.11ax (40MHz, MCS9, 99pc dc) WLAN 8.30 ± 9.6 % 10718 AAC IEEE 802.11ax (40MHz, MCS10, 99pc dc) WLAN 8.48 ± 9.6 % 10719 AAC IEEE 802.11ax (40MHz, MCS10, 90pc dc) WLAN 8.24 ± 9.6 % 10719 AAC IEEE 802.11ax (80MHz, MCS0, 90pc dc) WLAN 8.24 ± 9.6 % 10720 AAC IEEE 802.11ax (80MHz, MCS1, 90pc dc) WLAN 8.81 ± 9.6 % 10721 AAC IEEE 802.11ax (80MHz, MCS1, 90pc dc) WLAN 8.7 ± 9.6 % 10722 AAC IEEE 802.11ax (80MHz, MCS3, 90pc dc) WLAN 8.7 ± 9.6 % 10723 AAC IEEE 802.11ax (80MHz, MCS3, 90pc dc) WLAN 8.70 ± 9.6 % 10724 AAC IEEE 802.11ax (80MHz, MCS3, 90pc dc) WLAN 8.70 ± 9.6 % 10725 AAC IEEE 802.11ax (80MHz, MCS5, 90pc dc) WLAN 8.70 ± 9.6 % 10726 AAC IEEE 802.11ax (80MHz, MCS5, 90pc dc) WLAN 8.70 ± 9.6 % 10727 AAC IEEE 802.11ax (80MHz, MCS5, 90pc dc) WLAN 8.70 ± 9.6 % 10728 AAC IEEE 802.11ax (80MHz, MCS5, 90pc dc) WLAN 8.70 ± 9.6 % 10729 AAC IEEE 802.11ax (80MHz, MCS5, 90pc dc) WLAN 8.70 ± 9.6 % 10720 AAC IEEE 802.11ax (80MHz, MCS5, 90pc dc) WLAN 8.70 ± 9.6 % 10721 AAC IEEE 802.11ax (80MHz, MCS5, 90pc dc) WLAN 8.70 ± 9.6 % 10722 AAC IEEE 802.11ax (80MHz, MCS5, 90pc dc) WLAN 8.70 ± 9.6 % 10724 AAC IEEE 802.11ax (80MHz, MCS5, 90pc dc) WLAN 8.70 ± 9.6 % 10725 AAC IEEE 802.11ax (80MHz, MCS5, 90pc dc) WLAN 8.70 ± 9.6 % 10726 AAC IEEE 802.11ax (80MHz, MCS5, 90pc dc) WLAN 8.70 ± 9.6 %	10706	AAC	IEEE 802.11ax (40MHz, MCS11, 90pc dc)	WLAN	8.66	± 9.6 %
10709 AAC IEEE 802.11ax (40MHz, MCS2, 99pc dc) WLAN 8.33 ± 9.6 %	10707	AAC	IEEE 802.11ax (40MHz, MCS0, 99pc dc)	WLAN	8.32	± 9.6 %
10710 AAC IEEE 802.11ax (40MHz, MCS3, 99pc dc) WLAN 8.29 ± 9.6 %	10708	AAC	IEEE 802.11ax (40MHz, MCS1, 99pc dc)	WLAN	8.55	± 9.6 %
10711 AAC IEEE 802.11ax (40MHz, MCS4, 99pc dc) WLAN 8.39 ± 9.6 % 10712 AAC IEEE 802.11ax (40MHz, MCS5, 99pc dc) WLAN 8.67 ± 9.6 % 10713 AAC IEEE 802.11ax (40MHz, MCS6, 99pc dc) WLAN 8.33 ± 9.6 % 10714 AAC IEEE 802.11ax (40MHz, MCS7, 99pc dc) WLAN 8.26 ± 9.6 % 10715 AAC IEEE 802.11ax (40MHz, MCS8, 99pc dc) WLAN 8.45 ± 9.6 % 10716 AAC IEEE 802.11ax (40MHz, MCS9, 99pc dc) WLAN 8.30 ± 9.6 % 10717 AAC IEEE 802.11ax (40MHz, MCS10, 99pc dc) WLAN 8.48 ± 9.6 % 10718 AAC IEEE 802.11ax (40MHz, MCS11, 99pc dc) WLAN 8.24 ± 9.6 % 10719 AAC IEEE 802.11ax (80MHz, MCS0, 90pc dc) WLAN 8.81 ± 9.6 % 10720 AAC IEEE 802.11ax (80MHz, MCS2, 90pc dc) WLAN 8.87 ± 9.6 % 10721 AAC IEEE 802.11ax (80MHz, MCS3, 90pc dc) WLAN 8.76 ± 9.6 % </td <td>10709</td> <td>AAC</td> <td>IEEE 802.11ax (40MHz, MCS2, 99pc dc)</td> <td>WLAN</td> <td>8.33</td> <td>± 9.6 %</td>	10709	AAC	IEEE 802.11ax (40MHz, MCS2, 99pc dc)	WLAN	8.33	± 9.6 %
10712 AAC IEEE 802.11ax (40MHz, MCS5, 99pc dc) WLAN 8.67 ± 9.6 % 10713 AAC IEEE 802.11ax (40MHz, MCS6, 99pc dc) WLAN 8.33 ± 9.6 % 10714 AAC IEEE 802.11ax (40MHz, MCS7, 99pc dc) WLAN 8.26 ± 9.6 % 10715 AAC IEEE 802.11ax (40MHz, MCS8, 99pc dc) WLAN 8.45 ± 9.6 % 10716 AAC IEEE 802.11ax (40MHz, MCS9, 99pc dc) WLAN 8.30 ± 9.6 % 10717 AAC IEEE 802.11ax (40MHz, MCS10, 99pc dc) WLAN 8.48 ± 9.6 % 10718 AAC IEEE 802.11ax (40MHz, MCS11, 99pc dc) WLAN 8.24 ± 9.6 % 10719 AAC IEEE 802.11ax (80MHz, MCS0, 90pc dc) WLAN 8.81 ± 9.6 % 10720 AAC IEEE 802.11ax (80MHz, MCS2, 90pc dc) WLAN 8.76 ± 9.6 % 10721 AAC IEEE 802.11ax (80MHz, MCS3, 90pc dc) WLAN 8.55 ± 9.6 % 10723 AAC IEEE 802.11ax (80MHz, MCS5, 90pc dc) WLAN 8.70 ± 9.6 % 10724 AAC IEEE 802.11ax (80MHz, MCS6, 90pc dc) WLAN <td>10710</td> <td>AAC</td> <td>IEEE 802.11ax (40MHz, MCS3, 99pc dc)</td> <td>WLAN</td> <td>8.29</td> <td>± 9.6 %</td>	10710	AAC	IEEE 802.11ax (40MHz, MCS3, 99pc dc)	WLAN	8.29	± 9.6 %
10713 AAC IEEE 802.11ax (40MHz, MCS6, 99pc dc) WLAN 8.33 ± 9.6 % 10714 AAC IEEE 802.11ax (40MHz, MCS7, 99pc dc) WLAN 8.26 ± 9.6 % 10715 AAC IEEE 802.11ax (40MHz, MCS8, 99pc dc) WLAN 8.45 ± 9.6 % 10716 AAC IEEE 802.11ax (40MHz, MCS9, 99pc dc) WLAN 8.30 ± 9.6 % 10717 AAC IEEE 802.11ax (40MHz, MCS10, 99pc dc) WLAN 8.48 ± 9.6 % 10718 AAC IEEE 802.11ax (40MHz, MCS11, 99pc dc) WLAN 8.24 ± 9.6 % 10719 AAC IEEE 802.11ax (80MHz, MCS1, 90pc dc) WLAN 8.81 ± 9.6 % 10720 AAC IEEE 802.11ax (80MHz, MCS2, 90pc dc) WLAN 8.87 ± 9.6 % 10721 AAC IEEE 802.11ax (80MHz, MCS3, 90pc dc) WLAN 8.55 ± 9.6 % 10722 AAC IEEE 802.11ax (80MHz, MCS4, 90pc dc) WLAN 8.70 ± 9.6 % 10724 AAC IEEE 802.11ax (80MHz, MCS6, 90pc dc) WLAN 8.74 ± 9.6 % 10725 AAC IEEE 802.11ax (80MHz, MCS7, 90pc dc) WLAN <td>10711</td> <td>AAC</td> <td>IEEE 802.11ax (40MHz, MCS4, 99pc dc)</td> <td>WLAN</td> <td>8.39</td> <td>± 9.6 %</td>	10711	AAC	IEEE 802.11ax (40MHz, MCS4, 99pc dc)	WLAN	8.39	± 9.6 %
10714 AAC IEEE 802.11ax (40MHz, MCS7, 99pc dc) 10715 AAC IEEE 802.11ax (40MHz, MCS8, 99pc dc) 10716 AAC IEEE 802.11ax (40MHz, MCS9, 99pc dc) 10717 AAC IEEE 802.11ax (40MHz, MCS9, 99pc dc) 10718 AAC IEEE 802.11ax (40MHz, MCS10, 99pc dc) 10718 AAC IEEE 802.11ax (40MHz, MCS11, 99pc dc) 10719 AAC IEEE 802.11ax (80MHz, MCS11, 99pc dc) 10719 AAC IEEE 802.11ax (80MHz, MCS0, 90pc dc) 10720 AAC IEEE 802.11ax (80MHz, MCS1, 90pc dc) 10721 AAC IEEE 802.11ax (80MHz, MCS2, 90pc dc) 10722 AAC IEEE 802.11ax (80MHz, MCS2, 90pc dc) 10723 AAC IEEE 802.11ax (80MHz, MCS3, 90pc dc) 10724 AAC IEEE 802.11ax (80MHz, MCS4, 90pc dc) 10725 AAC IEEE 802.11ax (80MHz, MCS5, 90pc dc) 10726 AAC IEEE 802.11ax (80MHz, MCS6, 90pc dc) 10727 AAC IEEE 802.11ax (80MHz, MCS6, 90pc dc) 10727 AAC IEEE 802.11ax (80MHz, MCS6, 90pc dc) 10727 AAC IEEE 802.11ax (80MHz, MCS7, 90pc dc) WLAN 8.72 ± 9.6 % 10727 AAC IEEE 802.11ax (80MHz, MCS7, 90pc dc) WLAN 8.72 ± 9.6 %	10712	AAC	IEEE 802.11ax (40MHz, MCS5, 99pc dc)	WLAN	8.67	± 9.6 %
10715 AAC IEEE 802.11ax (40MHz, MCS8, 99pc dc) WLAN 8.45 ± 9.6 % 10716 AAC IEEE 802.11ax (40MHz, MCS9, 99pc dc) WLAN 8.30 ± 9.6 % 10717 AAC IEEE 802.11ax (40MHz, MCS10, 99pc dc) WLAN 8.48 ± 9.6 % 10718 AAC IEEE 802.11ax (40MHz, MCS11, 99pc dc) WLAN 8.24 ± 9.6 % 10719 AAC IEEE 802.11ax (80MHz, MCS0, 90pc dc) WLAN 8.81 ± 9.6 % 10720 AAC IEEE 802.11ax (80MHz, MCS1, 90pc dc) WLAN 8.76 ± 9.6 % 10721 AAC IEEE 802.11ax (80MHz, MCS2, 90pc dc) WLAN 8.76 ± 9.6 % 10722 AAC IEEE 802.11ax (80MHz, MCS3, 90pc dc) WLAN 8.70 ± 9.6 % 10723 AAC IEEE 802.11ax (80MHz, MCS5, 90pc dc) WLAN 8.70 ± 9.6 % 10724 AAC IEEE 802.11ax (80MHz, MCS6, 90pc dc) WLAN 8.74 ± 9.6 % 10726 AAC IEEE 802.11ax (80MHz, MCS7, 90pc dc) WLAN 8.72 ± 9.6 % 10727 AAC IEEE 802.11ax (80MHz, MCS8, 90pc dc) WLAN <td>10713</td> <td>AAC</td> <td>IEEE 802.11ax (40MHz, MCS6, 99pc dc)</td> <td>WLAN</td> <td>8.33</td> <td>± 9.6 %</td>	10713	AAC	IEEE 802.11ax (40MHz, MCS6, 99pc dc)	WLAN	8.33	± 9.6 %
10716 AAC IEEE 802.11ax (40MHz, MCS9, 99pc dc) WLAN 8.30 ± 9.6 % 10717 AAC IEEE 802.11ax (40MHz, MCS10, 99pc dc) WLAN 8.48 ± 9.6 % 10718 AAC IEEE 802.11ax (40MHz, MCS11, 99pc dc) WLAN 8.24 ± 9.6 % 10719 AAC IEEE 802.11ax (80MHz, MCS0, 90pc dc) WLAN 8.81 ± 9.6 % 10720 AAC IEEE 802.11ax (80MHz, MCS1, 90pc dc) WLAN 8.76 ± 9.6 % 10721 AAC IEEE 802.11ax (80MHz, MCS2, 90pc dc) WLAN 8.76 ± 9.6 % 10722 AAC IEEE 802.11ax (80MHz, MCS3, 90pc dc) WLAN 8.70 ± 9.6 % 10723 AAC IEEE 802.11ax (80MHz, MCS4, 90pc dc) WLAN 8.70 ± 9.6 % 10724 AAC IEEE 802.11ax (80MHz, MCS5, 90pc dc) WLAN 8.74 ± 9.6 % 10725 AAC IEEE 802.11ax (80MHz, MCS7, 90pc dc) WLAN 8.72 ± 9.6 % 10727 AAC IEEE 802.11ax (80MHz, MCS8, 90pc dc) WLAN 8.72 ± 9.6 %	10714	AAC	IEEE 802.11ax (40MHz, MCS7, 99pc dc)	WLAN	8.26	± 9.6 %
10716 AAC IEEE 802.11ax (40MHz, MCS9, 99pc dc) WLAN 8.30 ± 9.6 % 10717 AAC IEEE 802.11ax (40MHz, MCS10, 99pc dc) WLAN 8.48 ± 9.6 % 10718 AAC IEEE 802.11ax (40MHz, MCS11, 99pc dc) WLAN 8.24 ± 9.6 % 10719 AAC IEEE 802.11ax (80MHz, MCS0, 90pc dc) WLAN 8.81 ± 9.6 % 10720 AAC IEEE 802.11ax (80MHz, MCS1, 90pc dc) WLAN 8.76 ± 9.6 % 10721 AAC IEEE 802.11ax (80MHz, MCS2, 90pc dc) WLAN 8.76 ± 9.6 % 10722 AAC IEEE 802.11ax (80MHz, MCS3, 90pc dc) WLAN 8.70 ± 9.6 % 10723 AAC IEEE 802.11ax (80MHz, MCS4, 90pc dc) WLAN 8.70 ± 9.6 % 10724 AAC IEEE 802.11ax (80MHz, MCS5, 90pc dc) WLAN 8.74 ± 9.6 % 10725 AAC IEEE 802.11ax (80MHz, MCS7, 90pc dc) WLAN 8.72 ± 9.6 % 10727 AAC IEEE 802.11ax (80MHz, MCS8, 90pc dc) WLAN 8.72 ± 9.6 %	10715	AAC	IEEE 802.11ax (40MHz, MCS8, 99pc dc)	WLAN	8.45	± 9.6 %
10717 AAC IEEE 802.11ax (40MHz, MCS10, 99pc dc) WLAN 8.48 ± 9.6 % 10718 AAC IEEE 802.11ax (40MHz, MCS11, 99pc dc) WLAN 8.24 ± 9.6 % 10719 AAC IEEE 802.11ax (80MHz, MCS0, 90pc dc) WLAN 8.81 ± 9.6 % 10720 AAC IEEE 802.11ax (80MHz, MCS1, 90pc dc) WLAN 8.76 ± 9.6 % 10721 AAC IEEE 802.11ax (80MHz, MCS2, 90pc dc) WLAN 8.76 ± 9.6 % 10722 AAC IEEE 802.11ax (80MHz, MCS3, 90pc dc) WLAN 8.70 ± 9.6 % 10723 AAC IEEE 802.11ax (80MHz, MCS4, 90pc dc) WLAN 8.70 ± 9.6 % 10724 AAC IEEE 802.11ax (80MHz, MCS5, 90pc dc) WLAN 8.74 ± 9.6 % 10725 AAC IEEE 802.11ax (80MHz, MCS6, 90pc dc) WLAN 8.72 ± 9.6 % 10727 AAC IEEE 802.11ax (80MHz, MCS8, 90pc dc) WLAN 8.72 ± 9.6 %		AAC	IEEE 802.11ax (40MHz, MCS9, 99pc dc)	WLAN	8.30	± 9.6 %
10719 AAC IEEE 802.11ax (80MHz, MCS0, 90pc dc) WLAN 8.81 ± 9.6 % 10720 AAC IEEE 802.11ax (80MHz, MCS1, 90pc dc) WLAN 8.87 ± 9.6 % 10721 AAC IEEE 802.11ax (80MHz, MCS2, 90pc dc) WLAN 8.76 ± 9.6 % 10722 AAC IEEE 802.11ax (80MHz, MCS3, 90pc dc) WLAN 8.55 ± 9.6 % 10723 AAC IEEE 802.11ax (80MHz, MCS4, 90pc dc) WLAN 8.70 ± 9.6 % 10724 AAC IEEE 802.11ax (80MHz, MCS5, 90pc dc) WLAN 8.90 ± 9.6 % 10725 AAC IEEE 802.11ax (80MHz, MCS6, 90pc dc) WLAN 8.74 ± 9.6 % 10726 AAC IEEE 802.11ax (80MHz, MCS7, 90pc dc) WLAN 8.72 ± 9.6 % 10727 AAC IEEE 802.11ax (80MHz, MCS8, 90pc dc) WLAN 8.66 ± 9.6 %	10717	AAC	IEEE 802.11ax (40MHz, MCS10, 99pc dc)	WLAN	8.48	± 9.6 %
10720 AAC IEEE 802.11ax (80MHz, MCS1, 90pc dc) WLAN 8.87 ± 9.6 % 10721 AAC IEEE 802.11ax (80MHz, MCS2, 90pc dc) WLAN 8.76 ± 9.6 % 10722 AAC IEEE 802.11ax (80MHz, MCS3, 90pc dc) WLAN 8.55 ± 9.6 % 10723 AAC IEEE 802.11ax (80MHz, MCS4, 90pc dc) WLAN 8.70 ± 9.6 % 10724 AAC IEEE 802.11ax (80MHz, MCS5, 90pc dc) WLAN 8.90 ± 9.6 % 10725 AAC IEEE 802.11ax (80MHz, MCS6, 90pc dc) WLAN 8.74 ± 9.6 % 10726 AAC IEEE 802.11ax (80MHz, MCS7, 90pc dc) WLAN 8.72 ± 9.6 % 10727 AAC IEEE 802.11ax (80MHz, MCS8, 90pc dc) WLAN 8.66 ± 9.6 %	10718	AAC	IEEE 802.11ax (40MHz, MCS11, 99pc dc)	WLAN	8.24	± 9.6 %
10721 AAC IEEE 802.11ax (80MHz, MCS2, 90pc dc) WLAN 8.76 ± 9.6 % 10722 AAC IEEE 802.11ax (80MHz, MCS3, 90pc dc) WLAN 8.55 ± 9.6 % 10723 AAC IEEE 802.11ax (80MHz, MCS4, 90pc dc) WLAN 8.70 ± 9.6 % 10724 AAC IEEE 802.11ax (80MHz, MCS5, 90pc dc) WLAN 8.90 ± 9.6 % 10725 AAC IEEE 802.11ax (80MHz, MCS6, 90pc dc) WLAN 8.74 ± 9.6 % 10726 AAC IEEE 802.11ax (80MHz, MCS7, 90pc dc) WLAN 8.72 ± 9.6 % 10727 AAC IEEE 802.11ax (80MHz, MCS8, 90pc dc) WLAN 8.66 ± 9.6 %	10719	AAC	IEEE 802.11ax (80MHz, MCS0, 90pc dc)	WLAN	8.81	± 9.6 %
10722 AAC IEEE 802.11ax (80MHz, MCS3, 90pc dc) WLAN 8.55 ± 9.6 % 10723 AAC IEEE 802.11ax (80MHz, MCS4, 90pc dc) WLAN 8.70 ± 9.6 % 10724 AAC IEEE 802.11ax (80MHz, MCS5, 90pc dc) WLAN 8.90 ± 9.6 % 10725 AAC IEEE 802.11ax (80MHz, MCS6, 90pc dc) WLAN 8.74 ± 9.6 % 10726 AAC IEEE 802.11ax (80MHz, MCS7, 90pc dc) WLAN 8.72 ± 9.6 % 10727 AAC IEEE 802.11ax (80MHz, MCS8, 90pc dc) WLAN 8.66 ± 9.6 %	10720	AAC	IEEE 802.11ax (80MHz, MCS1, 90pc dc)	WLAN	8.87	± 9.6 %
10723 AAC IEEE 802.11ax (80MHz, MCS4, 90pc dc) WLAN 8.70 ± 9.6 % 10724 AAC IEEE 802.11ax (80MHz, MCS5, 90pc dc) WLAN 8.90 ± 9.6 % 10725 AAC IEEE 802.11ax (80MHz, MCS6, 90pc dc) WLAN 8.74 ± 9.6 % 10726 AAC IEEE 802.11ax (80MHz, MCS7, 90pc dc) WLAN 8.72 ± 9.6 % 10727 AAC IEEE 802.11ax (80MHz, MCS8, 90pc dc) WLAN 8.66 ± 9.6 %	10721	AAC	IEEE 802.11ax (80MHz, MCS2, 90pc dc)	WLAN	8.76	± 9.6 %
10724 AAC IEEE 802.11ax (80MHz, MCS5, 90pc dc) WLAN 8.90 ± 9.6 % 10725 AAC IEEE 802.11ax (80MHz, MCS6, 90pc dc) WLAN 8.74 ± 9.6 % 10726 AAC IEEE 802.11ax (80MHz, MCS7, 90pc dc) WLAN 8.72 ± 9.6 % 10727 AAC IEEE 802.11ax (80MHz, MCS8, 90pc dc) WLAN 8.66 ± 9.6 %	10722	AAC	IEEE 802.11ax (80MHz, MCS3, 90pc dc)	WLAN		± 9.6 %
10725 AAC IEEE 802.11ax (80MHz, MCS6, 90pc dc) WLAN 8.74 ± 9.6 % 10726 AAC IEEE 802.11ax (80MHz, MCS7, 90pc dc) WLAN 8.72 ± 9.6 % 10727 AAC IEEE 802.11ax (80MHz, MCS8, 90pc dc) WLAN 8.66 ± 9.6 %	10723	AAC	IEEE 802.11ax (80MHz, MCS4, 90pc dc)	WLAN	8.70	± 9.6 %
10726 AAC IEEE 802.11ax (80MHz, MCS7, 90pc dc) WLAN 8.72 ± 9.6 % 10727 AAC IEEE 802.11ax (80MHz, MCS8, 90pc dc) WLAN 8.66 ± 9.6 %	10724	AAC	IEEE 802.11ax (80MHz, MCS5, 90pc dc)	WLAN	8.90	± 9.6 %
10727 AAC IEEE 802.11ax (80MHz, MCS8, 90pc dc) WLAN 8.66 ± 9.6 %	10725	AAC	IEEE 802.11ax (80MHz, MCS6, 90pc dc)	WLAN	8.74	± 9.6 %
	10726	AAC	IEEE 802.11ax (80MHz, MCS7, 90pc dc)	WLAN	8.72	± 9.6 %
10728 AAC IEEE 802 11ax (80MHz, MCS9, 90pc, dc) WI AN 8.65 + 9.6 %	10727	AAC	IEEE 802.11ax (80MHz, MCS8, 90pc dc)	WLAN	8.66	± 9.6 %
10120 ANO 1000 1100 (0000112, 1000), 0000 001 44001 0.00 20.0 70	10728	AAC	IEEE 802.11ax (80MHz, MCS9, 90pc dc)	WLAN	8.65	± 9.6 %

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10729	AAC	IEEE 802.11ax (80MHz, MCS10, 90pc dc)	WLAN	8.64	± 9.6 %
10730	AAC	IEEE 802.11ax (80MHz, MCS11, 90pc dc)	WLAN	8.67	± 9.6 %
10731	AAC	IEEE 802.11ax (80MHz, MCS0, 99pc dc)	WLAN	8.42	± 9.6 %
10732	AAC	IEEE 802.11ax (80MHz, MCS1, 99pc dc)	WLAN	8.46	± 9.6 %
10733	AAC	IEEE 802.11ax (80MHz, MCS2, 99pc dc)	WLAN	8.40	± 9.6 %
10734	AAC	IEEE 802.11ax (80MHz, MCS3, 99pc dc)	WLAN	8.25	± 9.6 %
10735	AAC	IEEE 802.11ax (80MHz, MCS4, 99pc dc)	WLAN	8.33	± 9.6 %
10736	AAC	IEEE 802.11ax (80MHz, MCS5, 99pc dc)	WLAN	8.27	± 9.6 %
10737	AAC	IEEE 802.11ax (80MHz, MCS6, 99pc dc)	WLAN	8.36	± 9.6 %
10738	AAC	IEEE 802.11ax (80MHz, MCS7, 99pc dc)	WLAN	8.42	± 9.6 %
10739	AAC	IEEE 802.11ax (80MHz, MCS8, 99pc dc)	WLAN	8.29	± 9.6 %
10740	AAC	IEEE 802.11ax (80MHz, MCS9, 99pc dc)	WLAN	8.48	± 9.6 %
10741	AAC	IEEE 802.11ax (80MHz, MCS10, 99pc dc)	WLAN	8.40	± 9.6 %
10742	AAC	IEEE 802.11ax (80MHz, MCS11, 99pc dc)	WLAN	8.43	± 9.6 %
10743	AAC	IEEE 802.11ax (160MHz, MCS0, 90pc dc)	WLAN	8.94	± 9.6 %
10744	AAC	IEEE 802.11ax (160MHz, MCS1, 90pc dc)	WLAN	9.16	± 9.6 %
10745	AAC	IEEE 802.11ax (160MHz, MCS2, 90pc dc)	WLAN	8.93	± 9.6 %
10746	AAC	IEEE 802.11ax (160MHz, MCS3, 90pc dc)	WLAN	9.11	± 9.6 %
10747	AAC	IEEE 802.11ax (160MHz, MCS4, 90pc dc)	WLAN	9.04	± 9.6 %
10748	AAC	IEEE 802.11ax (160MHz, MCS5, 90pc dc)	WLAN	8.93	± 9.6 %
10749	AAC	IEEE 802.11ax (160MHz, MCS6, 90pc dc)	WLAN	8.90	± 9.6 %
10750	AAC	IEEE 802.11ax (160MHz, MCS7, 90pc dc)	WLAN	8.79	± 9.6 %
10751	AAC	IEEE 802.11ax (160MHz, MCS8, 90pc dc)	WLAN	8.82	± 9.6 %
10752	AAC	IEEE 802.11ax (160MHz, MCS9, 90pc dc)	WLAN	8.81	± 9.6 %
10753	AAC	IEEE 802.11ax (160MHz, MCS10, 90pc dc)	WLAN	9.00	± 9.6 %
10754	AAC	IEEE 802.11ax (160MHz, MCS11, 90pc dc)	WLAN	8.94	± 9.6 %
10755	AAC	IEEE 802.11ax (160MHz, MCS0, 99pc dc)	WLAN	8.64	± 9.6 %
10756	AAC	IEEE 802.11ax (160MHz, MCS1, 99pc dc)	WLAN	8.77	± 9.6 %
10757	AAC	IEEE 802.11ax (160MHz, MCS2, 99pc dc)	WLAN	8.77	± 9.6 %
10758	AAC	IEEE 802.11ax (160MHz, MCS3, 99pc dc)	WLAN	8.69	± 9.6 %
10759	AAC	IEEE 802.11ax (160MHz, MCS4, 99pc dc)	WLAN	8.58	± 9.6 %
10760	AAC	IEEE 802.11ax (160MHz, MCS5, 99pc dc)	WLAN	8.49	± 9.6 %
10761	AAC	IEEE 802.11ax (160MHz, MCS6, 99pc dc)	WLAN	8.58	± 9.6 %
10762	AAC	IEEE 802.11ax (160MHz, MCS7, 99pc dc)	WLAN	8.49	± 9.6 %
10763	AAC	IEEE 802.11ax (160MHz, MCS8, 99pc dc)	WLAN	8.53	± 9.6 %
10764	AAC	IEEE 802.11ax (160MHz, MCS9, 99pc dc)	WLAN	8.54	± 9.6 %
10765	AAC	IEEE 802.11ax (160MHz, MCS10, 99pc dc)	WLAN	8.54	± 9.6 %
10766	AAC	IEEE 802.11ax (160MHz, MCS11, 99pc dc)	WLAN	8.51	± 9.6 %
10767	AAE	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	7.99	± 9.6 %
10768	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	± 9.6 %
10769	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	± 9.6 %
10770	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	± 9.6 %
10771	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	± 9.6 %
10772	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.23	± 9.6 %
10773	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.03	± 9.6 %
10774	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	± 9.6 %
10775	AAD	5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	± 9.6 %
10776	AAD	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	± 9.6 %
10777	AAC	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	± 9.6 %
10778	AAD	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10779	AAC	5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.42	± 9.6 %
10780	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	± 9.6 %
10781	AAD	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	± 9.6 %
10782	AAD	5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.43	± 9.6 %
10783	AAE	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	± 9.6 %
10784	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.29	± 9.6 %
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8.40 8.35 8.44 8.39 8.37 8.39 7.83 7.92 7.95 7.82 7.84 7.82 8.01 7.89 7.93 7.89	± 9.6 % ± 9.6 %
8.44 8.39 8.37 8.39 7.83 7.92 7.95 7.82 7.84 7.82 8.01 7.89 7.93 7.89 7.87	± 9.6 % ± 9.6 %
8.39 8.37 8.39 7.83 7.92 7.95 7.82 7.84 7.82 8.01 7.89 7.93 7.89 7.87	± 9.6 % ± 9.6 %
8.37 8.39 7.83 7.92 7.95 7.82 7.84 7.82 8.01 7.89 7.93 7.89 7.87	± 9.6 % ± 9.6 %
8.39 7.83 7.92 7.95 7.82 7.84 7.82 8.01 7.89 7.93 7.89 7.87	± 9.6 % ± 9.6 %
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7.92 7.95 7.82 7.84 7.82 8.01 7.89 7.93 7.89 7.87	± 9.6 % ± 9.6 %
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8.33	± 9.6 %
8.30	± 9.6 %
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8.41	± 9.6 %
8.36	± 9.6 %
8.39	± 9.6 %
8.41	± 9.6 %
8.42	± 9.6 %
8.43	± 9.6 %
8.40	± 9.6 %
7.63	± 9.6 %
7.73	± 9.6 %
7.74	± 9.6 %
7.70	± 9.6 %
7.75	± 9.6 %
7.70	± 9.6 %
7.66	± 9.6 %
7.68	± 9.6 %
7.70	± 9.6 %
7.67	± 9.6 %
7.71	± 9.6 %
8.49	± 9.6 %
8.34	± 9.6 %
8.41	± 9.6 %
8.34	± 9.6 %
8.36	± 9.6 %
8.37	± 9.6 %
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8.36	± 9.6 %
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8.41	± 9.6 %
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10861	AAD	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.40	± 9.6 %
10863	AAD	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10864	AAD	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10865	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10866	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10868	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.89	± 9.6 %
10869	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	± 9.6 %
10870	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.86	± 9.6 %
10871	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	5.75	± 9.6 %
10872	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.52	± 9.6 %
10873	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	± 9.6 %
10874	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	± 9.6 %
10875	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	± 9.6 %
10876	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.39	± 9.6 %
10877	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	7.95	± 9.6 %
10878	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.41	± 9.6 %
10879	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.12	± 9.6 %
10880	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.38	± 9.6 %
10881	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	± 9.6 %
10882	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.96	± 9.6 %
10883	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.57	± 9.6 %
10884	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.53	± 9.6 %
10885	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	± 9.6 %
10886	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	± 9.6 %
10887	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	± 9.6 %
10888	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.35	± 9.6 %
10889	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.02	± 9.6 %
10890	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.40	± 9.6 %
10891	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.13	± 9.6 %
10892	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.41	± 9.6 %
10897	AAC	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.66	± 9.6 %
10898	AAB	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	± 9.6 %
10899	AAB	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	± 9.6 %
10900	AAB	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10901	AAB	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10902	AAB	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10903	AAB	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10904	AAB	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10905	AAB	5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10906	AAB	5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10907	AAC	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.78	± 9.6 %
10908	AAB	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	± 9.6 %
10909	AAB	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.96	± 9.6 %
10910	AAB	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	± 9.6 %
10911	AAB	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	± 9.6 %
10912	AAB	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10913	AAB	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10914	AAB	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.85	± 9.6 %
10915	AAB	5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	± 9.6 %
10916	AAB	5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	± 9.6 %
10917	AAB	5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	± 9.6 %
10918	AAC	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	± 9.6 %
10919	AAB	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	± 9.6 %
10920	AAB	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	± 9.6 %
10921	AAB	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10922	AAB	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.82	± 9.6 %
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10923 AAB SON ROFT=-OFDM, 100% RB, 30 MHz, OPSK, 30 kHz) SON R RR1 TDD S.84 ± 9.6 % 10925 AAB SON ROFT=-OFDM, 100% RB, 90 MHz, OPSK, 30 kHz) SON R RR1 TDD S.95 ± 9.6 % 10926 AAB SON R (DFT=-OFDM, 100% RB, 90 MHz, OPSK, 30 kHz) SON R RR1 TDD S.94 ± 9.6 % 10927 AAB SON R (DFT-s-OFDM, 100% RB, 80 MHz, OPSK, 30 kHz) SON R RR1 TDD S.94 ± 9.6 % 10928 AAC SON R (DFT-s-OFDM, 100% RB, 80 MHz, OPSK, 30 kHz) SON R RR1 TDD S.94 ± 9.6 % 10928 AAC SON R (DFT-s-OFDM, 178, 15 MHz, OPSK, 15 kHz) SON R RR1 FDD S.52 ± 9.6 % 10930 AAC SON R (DFT-s-OFDM, 178, 15 MHz, OPSK, 15 kHz) SON R RR1 FDD S.52 ± 9.6 % 10930 AAC SON R (DFT-s-OFDM, 178, 15 MHz, OPSK, 15 kHz) SON R RR1 FDD S.52 ± 9.6 % 10932 AAC SON R (DFT-s-OFDM, 178, 12 MHz, OPSK, 15 kHz) SON R RR1 FDD S.51 ± 9.6 % 10932 AAC SON R (DFT-s-OFDM, 178, 25 MHz, OPSK, 15 kHz) SON R RR1 FDD S.51 ± 9.6 % 10933 AAC SON R (DFT-s-OFDM, 178, 25 MHz, OPSK, 15 kHz) SON R RR1 FDD S.51 ± 9.6 % 10934 AAC SON R (DFT-s-OFDM, 178, 25 MHz, OPSK, 15 kHz) SON R RR1 FDD S.51 ± 9.6 % 10935 AAD SON R (DFT-s-OFDM, 178, 25 MHz, OPSK, 15 kHz) SON R RR1 FDD S.51 ± 9.6 % 10936 AAC SON R (DFT-s-OFDM, 178, 25 MHz, OPSK, 15 kHz) SON R RR1 FDD S.51 ± 9.6 % 10937 AAC SON R (DFT-s-OFDM, 178, 25 MHz, OPSK, 15 kHz) SON R RR1 FDD S.51 ± 9.6 % 10938 AAC SON R (DFT-s-OFDM, 50% RB, 15 MHz, OPSK, 15 kHz) SON R RR1 FDD S.90 ± 9.6 % 10939 AAC SON R (DFT-s-OFDM, 50% RB, 15 MHz, OPSK, 15 kHz) SON R RR1 FDD S.90 ± 9.6 % 10939 AAC SON R (DFT-s-OFDM, 50% RB, 15 MHz, OPSK, 15 kHz) SON R RR1 FDD S.90 ± 9.6 % 10939 AAC SON R (DFT-s-OFDM, 50% RB, 15 MHz, OPSK, 15 kHz) SON R RR1 FDD S.90 ± 9.6 % 10939 AAC SON R (DFT-s-OFDM, 50% RB, 25 MHz, OPSK, 15 kHz) SON R RR1 FDD S.90 ± 9.6 % 10939 AAC SON R (DFT-s-OFDM, 50% RB, 25 MHz, OPSK, 15 kHz) SON R RR1 FDD S.90 ± 9.6 % 10939 AAC SON R (DFT-s-OFDM, 50% RB, 20 MHz, OPSK, 15 kH						
19925 AAB SG NR (OFT-s-OFDM, 100% RB, 50 MHz, OPSK, 30 kHz) SG NR FRI TDD 5.95 ± 9.6 % 19926 AAB SG NR (OFT-s-OFDM, 100% RB, 60 MHz, OPSK, 30 kHz) SG NR FRI TDD 5.84 ± 9.6 % 19928 AAC SG NR (OFT-s-OFDM, 1100% RB, 80 MHz, OPSK, 15 kHz) SG NR FRI TDD 5.52 ± 9.6 % 19930 AAC SG NR (OFT-s-OFDM, 17 RB, 51 MHz, OPSK, 15 kHz) SG NR FRI FDD 5.52 ± 9.6 % 19930 AAC SG NR (OFT-s-OFDM, 17 RB, 15 MHz, OPSK, 15 kHz) SG NR FRI FDD 5.52 ± 9.6 % 19930 AAC SG NR (OFT-s-OFDM, 17 RB, 15 MHz, OPSK, 15 kHz) SG NR FRI FDD 5.52 ± 9.6 % 19931 AAC SG NR (OFT-s-OFDM, 17 RB, 25 MHz, OPSK, 15 kHz) SG NR FRI FDD 5.51 ± 9.6 % 19933 AAC SG NR (OFT-s-OFDM, 17 RB, 25 MHz, OPSK, 15 kHz) SG NR FRI FDD 5.51 ± 9.6 % 19933 AAC SG NR (OFT-s-OFDM, 17 RB, 30 MHz, OPSK, 15 kHz) SG NR FRI FDD 5.51 ± 9.6 % 19933 AAC SG NR (OFT-s-OFDM, 17 RB, 30 MHz, OPSK, 15 kHz) SG NR FRI FDD 5.51 ± 9.6 % 19933 AAC SG NR (OFT-s-OFDM, 17 RB, 50 MHz, OPSK, 15 kHz) SG NR FRI FDD 5.51 ± 9.6 % 19933 AAC SG NR (OFT-s-OFDM, 17 RB, 50 MHz, OPSK, 15 kHz) SG NR FRI FDD 5.51 ± 9.6 % 19933 AAC SG NR (OFT-s-OFDM, 50% RB, 50 MHz, OPSK, 15 kHz) SG NR FRI FDD 5.51 ± 9.6 % 19933 AAC SG NR (OFT-s-OFDM, 50% RB, 50 MHz, OPSK, 15 kHz) SG NR FRI FDD 5.51 ± 9.6 % 19934 AAC SG NR (OFT-s-OFDM, 50% RB, 15 MHz, OPSK, 15 kHz) SG NR FRI FDD 5.77 ± 9.6 % 19938 AAC SG NR (OFT-s-OFDM, 50% RB, 15 MHz, OPSK, 15 kHz) SG NR FRI FDD 5.77 ± 9.6 % 19938 AAC SG NR (OFT-s-OFDM, 50% RB, 20 MHz, OPSK, 15 kHz) SG NR FRI FDD 5.77 ± 9.6 % 19938 AAC SG NR (OFT-s-OFDM, 50% RB, 20 MHz, OPSK, 15 kHz) SG NR FRI FDD 5.77 ± 9.6 % 19938 AAC SG NR (OFT-s-OFDM, 50% RB, 20 MHz, OPSK, 15 kHz) SG NR FRI FDD 5.82 ± 9.6 % 19934 AAC SG NR (OFT-s-OFDM, 50% RB, 20 MHz, OPSK, 15 kHz) SG NR FRI FDD 5.82 ± 9.6 % 19934 AAC SG NR (OFT-s-OFDM, 50% RB, 20 MHz, OPSK, 15 kHz) SG NR FRI FDD 5.88 ±						
10926 AAB SG NR (DFT-s-OFDM, 100% RB, 50 MHz, OPSK, 30 kHz) SG NR FR1 TDD 5.84 ± 9.6 % 10928 AAC SG NR (DFT-s-OFDM, 100% RB, 50 MHz, OPSK, 15 kHz) SG NR FR1 FDD 5.52 ± 9.6 % 10929 AAC SG NR (DFT-s-OFDM, 1 RB, 5 MHz, OPSK, 15 kHz) SG NR FR1 FDD 5.52 ± 9.6 % 10929 AAC SG NR (DFT-s-OFDM, 1 RB, 10 MHz, OPSK, 15 kHz) SG NR FR1 FDD 5.52 ± 9.6 % 10930 AAC SG NR (DFT-s-OFDM, 1 RB, 10 MHz, OPSK, 15 kHz) SG NR FR1 FDD 5.52 ± 9.6 % 10931 AAC SG NR (DFT-s-OFDM, 1 RB, 22 MHz, OPSK, 15 kHz) SG NR FR1 FDD 5.51 ± 9.6 % 10931 AAC SG NR (DFT-s-OFDM, 1 RB, 22 MHz, OPSK, 15 kHz) SG NR FR1 FDD 5.51 ± 9.6 % 10933 AAC SG NR (DFT-s-OFDM, 1 RB, 30 MHz, OPSK, 15 kHz) SG NR FR1 FDD 5.51 ± 9.6 % 10934 AAC SG NR (DFT-s-OFDM, 1 RB, 30 MHz, OPSK, 15 kHz) SG NR FR1 FDD 5.51 ± 9.6 % 10936 AAC SG NR (DFT-s-OFDM, 1 RB, 50 MHz, OPSK, 15 kHz) SG NR FR1 FDD 5.51 ± 9.6 % 10936 AAC SG NR (DFT-s-OFDM, 1 RB, 50 MHz, OPSK, 15 kHz) SG NR FR1 FDD 5.51 ± 9.6 % 10936 AAC SG NR (DFT-s-OFDM, 50% RB, 1 MHz, OPSK, 15 kHz) SG NR FR1 FDD 5.90 ± 9.6 % 10936 AAC SG NR (DFT-s-OFDM, 50% RB, 1 MHz, OPSK, 15 kHz) SG NR FR1 FDD 5.90 ± 9.6 % 10936 AAC SG NR (DFT-s-OFDM, 50% RB, 1 MHz, OPSK, 15 kHz) SG NR FR1 FDD 5.90 ± 9.6 % 10936 AAC SG NR (DFT-s-OFDM, 50% RB, 1 MHz, OPSK, 15 kHz) SG NR FR1 FDD 5.90 ± 9.6 % 10936 AAC SG NR (DFT-s-OFDM, 50% RB, 2 MHz, OPSK, 15 kHz) SG NR FR1 FDD 5.90 ± 9.6 % 10940 AAC SG NR (DFT-s-OFDM, 50% RB, 2 MHz, OPSK, 15 kHz) SG NR FR1 FDD 5.80 ± 9.6 % 10941 AAC SG NR (DFT-s-OFDM, 50% RB, 2 MHz, OPSK, 15 kHz) SG NR FR1 FDD 5.82 ± 9.6 % 10943 AAC SG NR (DFT-s-OFDM, 50% RB, 2 MHz, OPSK, 15 kHz) SG NR FR1 FDD 5.82 ± 9.6 % 10943 AAC SG NR (DFT-s-OFDM, 50% RB, 30 MHz, OPSK, 15 kHz) SG NR FR1 FDD 5.82 ± 9.6 % 10943 AAC SG NR (DFT-s-OFDM, 50% RB, 30 MHz, OPSK, 15 kHz) SG NR FR1 FDD 5.82 ± 9.6 % 10943 AAC						
19927 AAB SG NR (DFT-s-OFDM, 100% RB, 80 MHz, OPSK, 15 kHz) SG NR FR1 FDD 5.94 ± 9.6 % 19928 AAC SG NR (DFT-s-OFDM, 1 RB, 15 MHz, OPSK, 15 kHz) SG NR FR1 FDD 5.52 ± 9.6 % 19930 AAC SG NR (DFT-s-OFDM, 1 RB, 15 MHz, OPSK, 15 kHz) SG NR FR1 FDD 5.52 ± 9.6 % 19931 AAC SG NR (DFT-s-OFDM, 1 RB, 15 MHz, OPSK, 15 kHz) SG NR FR1 FDD 5.52 ± 9.6 % 19932 AAC SG NR (DFT-s-OFDM, 1 RB, 25 MHz, OPSK, 15 kHz) SG NR FR1 FDD 5.51 ± 9.6 % 19933 AAC SG NR (DFT-s-OFDM, 1 RB, 25 MHz, OPSK, 15 kHz) SG NR FR1 FDD 5.51 ± 9.6 % 19933 AAC SG NR (DFT-s-OFDM, 1 RB, 30 MHz, OPSK, 15 kHz) SG NR FR1 FDD 5.51 ± 9.6 % 19933 AAC SG NR (DFT-s-OFDM, 1 RB, 30 MHz, OPSK, 15 kHz) SG NR FR1 FDD 5.51 ± 9.6 % 19933 AAC SG NR (DFT-s-OFDM, 1 RB, 50 MHz, OPSK, 15 kHz) SG NR FR1 FDD 5.51 ± 9.6 % 19937 AAC SG NR (DFT-s-OFDM, 1 RB, 50 MHz, OPSK, 15 kHz) SG NR FR1 FDD 5.51 ± 9.6 % 19937 AAC SG NR (DFT-s-OFDM, 50% RB, 5 MHz, OPSK, 15 kHz) SG NR FR1 FDD 5.51 ± 9.6 % 19939 AAC SG NR (DFT-s-OFDM, 50% RB, 1 MHz, OPSK, 15 kHz) SG NR FR1 FDD 5.77 ± 9.6 % 19939 AAC SG NR (DFT-s-OFDM, 50% RB, 1 SM Hz, OPSK, 15 kHz) SG NR FR1 FDD 5.77 ± 9.6 % 19939 AAC SG NR (DFT-s-OFDM, 50% RB, 25 MHz, OPSK, 15 kHz) SG NR FR1 FDD 5.77 ± 9.6 % 19942 AAC SG NR (DFT-s-OFDM, 50% RB, 25 MHz, OPSK, 15 kHz) SG NR FR1 FDD 5.82 ± 9.6 % 19942 AAC SG NR (DFT-s-OFDM, 50% RB, 25 MHz, OPSK, 15 kHz) SG NR FR1 FDD 5.82 ± 9.6 % 19943 AAD SG NR (DFT-s-OFDM, 50% RB, 25 MHz, OPSK, 15 kHz) SG NR FR1 FDD 5.88 ± 9.6 % 19944 AAC SG NR (DFT-s-OFDM, 50% RB, 25 MHz, OPSK, 15 kHz) SG NR FR1 FDD 5.88 ± 9.6 % 19944 AAC SG NR (DFT-s-OFDM, 50% RB, 25 MHz, OPSK, 15 kHz) SG NR FR1 FDD 5.88 ± 9.6 % 19944 AAC SG NR (DFT-s-OFDM, 50% RB, 50 MHz, OPSK, 15 kHz) SG NR FR1 FDD 5.88 ± 9.6 % 19944 AAC SG NR (DFT-s-OFDM, 50% RB, 50 MHz, OPSK, 15 kHz) SG NR FR1 FDD 5.88 ± 9.6 % 1994						
10928	10926	AAB		5G NR FR1 TDD	5.84	± 9.6 %
10929 AAC SG NR (DFT->OFDM, 1 RB, 10 MHz, QPSK, 15 kHz) SG NR FR1 FDD 5.52 ± 9.6 %	10927	AAB		5G NR FR1 TDD	5.94	± 9.6 %
10930 AAC SG NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz) SG NR FR1 FDD 5.51 ± 9.6 % 10932 AAC SG NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz) SG NR FR1 FDD 5.51 ± 9.6 % 10933 AAC SG NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz) SG NR FR1 FDD 5.51 ± 9.6 % 10934 AAC SG NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz) SG NR FR1 FDD 5.51 ± 9.6 % 10935 AAD SG NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz) SG NR FR1 FDD 5.51 ± 9.6 % 10936 AAC SG NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 15 kHz) SG NR FR1 FDD 5.51 ± 9.6 % 10936 AAC SG NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz) SG NR FR1 FDD 5.51 ± 9.6 % 10936 AAC SG NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz) SG NR FR1 FDD 5.57 ± 9.6 % 10939 AAC SG NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz) SG NR FR1 FDD 5.90 ± 9.6 % 10930 AAC SG NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz) SG NR FR1 FDD 5.90 ± 9.6 % 10940 AAC SG NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) SG NR FR1 FDD 5.82 ± 9.6 % 10941 AAC SG NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) SG NR FR1 FDD 5.89 ± 9.6 % 10943 AAC SG NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) SG NR FR1 FDD 5.89 ± 9.6 % 10943 AAC SG NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz) SG NR FR1 FDD 5.89 ± 9.6 % 10943 AAD SG NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) SG NR FR1 FDD 5.83 ± 9.6 % 10943 AAC SG NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) SG NR FR1 FDD 5.85 ± 9.6 % 10943 AAC SG NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) SG NR FR1 FDD 5.85 ± 9.6 % 10943 AAC SG NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) SG NR FR1 FDD 5.85 ± 9.6 % 10943 AAC SG NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) SG NR FR1 FDD 5.81 ± 9.6 % 10943 AAC SG NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) SG NR FR1 FDD 5.81 ± 9.6 % 10943 AAC SG NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) SG NR FR1 FDD 5.81 ± 9.6 %	10928	AAC	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10931 AAC SG NR (DFT-+O-FDM, 1 RB, 20 MHz, OPSK, 15 kHz) SG NR FR1 FDD S.51 ± 9.6 % 10933 AAC SG NR (DFT-+O-FDM, 1 RB, 30 MHz, OPSK, 15 kHz) SG NR FR1 FDD S.51 ± 9.6 % 10934 AAC SG NR (DFT-+O-FDM, 1 RB, 30 MHz, OPSK, 15 kHz) SG NR FR1 FDD S.51 ± 9.6 % 10934 AAC SG NR (DFT-+O-FDM, 1 RB, 30 MHz, OPSK, 15 kHz) SG NR FR1 FDD S.51 ± 9.6 % 10935 AAC SG NR (DFT-+O-FDM, 1 RB, 30 MHz, OPSK, 15 kHz) SG NR FR1 FDD S.51 ± 9.6 % 10937 AAC SG NR (DFT-+O-FDM, 50% RB, 5 MHz, OPSK, 15 kHz) SG NR FR1 FDD S.90 ± 9.6 % 10937 AAC SG NR (DFT-+O-FDM, 50% RB, 10 MHz, OPSK, 15 kHz) SG NR FR1 FDD S.77 ± 9.6 % 10938 AAC SG NR (DFT-+O-FDM, 50% RB, 10 MHz, OPSK, 15 kHz) SG NR FR1 FDD S.79 ± 9.6 % 10939 AAC SG NR (DFT-+O-FDM, 50% RB, 12 MHz, OPSK, 15 kHz) SG NR FR1 FDD S.90 ± 9.6 % 10939 AAC SG NR (DFT-+O-FDM, 50% RB, 25 MHz, OPSK, 15 kHz) SG NR FR1 FDD S.92 ± 9.6 % 10940 AAC SG NR (DFT-+O-FDM, 50% RB, 25 MHz, OPSK, 15 kHz) SG NR FR1 FDD S.82 ± 9.6 % 10941 AAC SG NR (DFT-+O-FDM, 50% RB, 30 MHz, OPSK, 15 kHz) SG NR FR1 FDD S.82 ± 9.6 % 10942 AAC SG NR (DFT-+O-FDM, 50% RB, 30 MHz, OPSK, 15 kHz) SG NR FR1 FDD S.83 ± 9.6 % 10943 AAC SG NR (DFT-+O-FDM, 50% RB, 50 MHz, OPSK, 15 kHz) SG NR FR1 FDD S.83 ± 9.6 % 10944 AAC SG NR (DFT-+O-FDM, 50% RB, 50 MHz, OPSK, 15 kHz) SG NR FR1 FDD S.85 ± 9.6 % 10945 AAC SG NR (DFT-+O-FDM, 100% RB, 50 MHz, OPSK, 15 kHz) SG NR FR1 FDD S.85 ± 9.6 % 10945 AAC SG NR (DFT-+O-FDM, 100% RB, 50 MHz, OPSK, 15 kHz) SG NR FR1 FDD S.85 ± 9.6 % 10946 AAC SG NR (DFT-+O-FDM, 100% RB, 50 MHz, OPSK, 15 kHz) SG NR FR1 FDD S.87 ± 9.6 % 10946 AAC SG NR (DFT-+O-FDM, 100% RB, 50 MHz, OPSK, 15 kHz) SG NR FR1 FDD S.87 ± 9.6 % 10946 AAC SG NR (DFT-+O-FDM, 100% RB, 20 MHz, OPSK, 15 kHz) SG NR FR1 FDD S.87 ± 9.6 % 10946 AAC SG NR (DFT-+O-FDM, 100% RB, 20 MHz, OPSK, 15 kHz) SG NR FR1 FDD S.87 ±	10929	AAC	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	
10932 AAC 5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 ± 9.6 % 10934 AAC 5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 ± 9.6 % 10935 AAD 5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 ± 9.6 % 10935 AAD 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 ± 9.6 % 10936 AAC 5G NR (DFT-s-OFDM, 50 RB, 51 Mtz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 ± 9.6 % 10937 AAC 5G NR (DFT-s-OFDM, 50 RB, 51 Mtz, QPSK, 15 kHz) 5G NR FR1 FDD 5.77 ± 9.6 % 10938 AAC 5G NR (DFT-s-OFDM, 50 RB, 51 Mtz, QPSK, 15 kHz) 5G NR FR1 FDD 5.77 ± 9.6 % 10938 AAC 5G NR (DFT-s-OFDM, 50 RB, 20 Mtz, QPSK, 15 kHz) 5G NR FR1 FDD 5.77 ± 9.6 % 10939 AAC 5G NR (DFT-s-OFDM, 50 RB, 20 Mtz, QPSK, 15 kHz) 5G NR FR1 FDD 5.80 ± 9.6 % 10940 AAC 5G NR (DFT-s-OFDM, 50 RB, 20 Mtz, QPSK, 15 kHz) 5G NR FR1 FDD 5.82 ± 9.6 % 10943 AAD 5G NR (DFT-s-OFDM, 50 RB, 20 Mtz, QPSK, 15 kHz) 5G NR FR1 FDD 5.82 ± 9.6 % 10943 AAD 5G NR (DFT-s-OFDM, 50 RB, 30 Mtz, QPSK, 15 kHz) 5G NR FR1 FDD 5.83 ± 9.6 % 10943 AAD 5G NR (DFT-s-OFDM, 50 RB, 30 Mtz, QPSK, 15 kHz) 5G NR FR1 FDD 5.83 ± 9.6 % 10943 AAD 5G NR (DFT-s-OFDM, 50 RB, 50 Mtz, QPSK, 15 kHz) 5G NR FR1 FDD 5.83 ± 9.6 % 10943 AAD 5G NR (DFT-s-OFDM, 100 RB, 50 Mtz, QPSK, 15 kHz) 5G NR FR1 FDD 5.83 ± 9.6 % 10945 AAC 5G NR (DFT-s-OFDM, 100 RB, 50 Mtz, QPSK, 15 kHz) 5G NR FR1 FDD 5.83 ± 9.6 % 10945 AAC 5G NR (DFT-s-OFDM, 100 RB, 50 Mtz, QPSK, 15 kHz) 5G NR FR1 FDD 5.83 ± 9.6 % 10945 AAC 5G NR (DFT-s-OFDM, 100 RB, 50 Mtz, QPSK, 15 kHz) 5G NR FR1 FDD 5.81 ± 9.6 % 10946 AAC 5G NR (DFT-s-OFDM, 100 RB, 50 Mtz, QPSK, 15 kHz) 5G NR FR1 FDD 5.83 ± 9.6 % 10945 AAC 5G NR (DFT-s-OFDM, 100 RB, 50 Mtz, QPSK, 15 kHz) 5G NR FR1 FDD 5.83 ± 9.6 % 10955 AAA 5G NR (DFT-s-OFDM, 100 RB, 50 Mtz, QPSK, 15 kHz) 5G NR FR1 FDD 5.83 ± 9.6 % 10956 AAC 5G NR (DFT-s-OFDM, 100 RB, 50 Mtz, QPSK, 15 kHz) 5G NR FR1 FDD 5.83 ± 9.6 % 10956 AAC 5G NR (DFT-s-OFDM, 100 RB, 50 Mtz, QPSK, 15 kHz) 5G NR FR1 FDD 5.94 ± 9.6 % 10956 AAA 5G NR (DFT-s-OFDM, 100 RB, 40 Mtz, QPSK, 15 kHz) 5G NR FR1 FDD 5.94 ± 9.6 %	10930	AAC	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10933 AAC 5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 KHz) 5G NR FR1 FDD 5.51 ±9.6 % 10936 AAC 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 KHz) 5G NR FR1 FDD 5.51 ±9.6 % 10936 AAC 5G NR (DFT-s-OFDM, 15R, 50 MHz, QPSK, 15 KHz) 5G NR FR1 FDD 5.90 ±9.6 % 10936 AAC 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 KHz) 5G NR FR1 FDD 5.90 ±9.6 % 10938 AAC 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 KHz) 5G NR FR1 FDD 5.90 ±9.6 % 10939 AAC 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 KHz) 5G NR FR1 FDD 5.90 ±9.6 % 10939 AAC 5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 KHz) 5G NR FR1 FDD 5.90 ±9.6 % 10940 AAC 5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 KHz) 5G NR FR1 FDD 5.90 ±9.6 % 10941 AAC 5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 KHz) 5G NR FR1 FDD 5.83 ±9.6 % 10941 AAC 5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 KHz) 5G NR FR1 FDD 5.83 ±9.6 % 10942 AAC 5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 KHz) 5G NR FR1 FDD 5.85 ±9.6 % 10943 AAC 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 KHz) 5G NR FR1 FDD 5.85 ±9.6 % 10944 AAC 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 KHz) 5G NR FR1 FDD 5.85 ±9.6 % 10944 AAC 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 KHz) 5G NR FR1 FDD 5.85 ±9.6 % 10947 AAC 5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 KHz) 5G NR FR1 FDD 5.85 ±9.6 % 10946 AAC 5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 KHz) 5G NR FR1 FDD 5.85 ±9.6 % 10947 AAC 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 KHz) 5G NR FR1 FDD 5.85 ±9.6 % 10948 AAC 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 KHz) 5G NR FR1 FDD 5.85 ±9.6 % 10949 AAC 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 KHz) 5G NR FR1 FDD 5.82 ±9.6 % 10949 AAC 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 KHz) 5G NR FR1 FDD 5.82 ±9.6 % 10940 AAC 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 KHz) 5G NR FR1 FDD 5.84 ±9.6 % 10940	10931	AAC	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10934 AAC 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 ± 9.6 % 10935 AAD 5G NR (DFT-s-OFDM, 10 RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.90 ± 9.6 % 10937 AAC 5G NR (DFT-s-OFDM, 50 % RB, 5 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.90 ± 9.6 % 10937 AAC 5G NR (DFT-s-OFDM, 50 % RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.90 ± 9.6 % 10938 AAC 5G NR (DFT-s-OFDM, 50 % RB, 15 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.90 ± 9.6 % 10939 AAC 5G NR (DFT-s-OFDM, 50 % RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.90 ± 9.6 % 10940 AAC 5G NR (DFT-s-OFDM, 50 % RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.90 ± 9.6 % 10940 AAC 5G NR (DFT-s-OFDM, 50 % RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.92 ± 9.6 % 10942 AAC 5G NR (DFT-s-OFDM, 50 % RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.82 ± 9.6 % 10943 AAD 5G NR (DFT-s-OFDM, 50 % RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.83 ± 9.6 % 10943 AAD 5G NR (DFT-s-OFDM, 50 % RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.85 ± 9.6 % 10943 AAD 5G NR (DFT-s-OFDM, 50 % RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.85 ± 9.6 % 10945 AAC 5G NR (DFT-s-OFDM, 100 % RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.85 ± 9.6 % 10946 AAC 5G NR (DFT-s-OFDM, 100 % RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.85 ± 9.6 % 10946 AAC 5G NR (DFT-s-OFDM, 100 % RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.85 ± 9.6 % 10946 AAC 5G NR (DFT-s-OFDM, 100 % RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.85 ± 9.6 % 10949 AAC 5G NR (DFT-s-OFDM, 100 % RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.87 ± 9.6 % 10949 AAC 5G NR (DFT-s-OFDM, 100 % RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.84 ± 9.6 % 10949 AAC 5G NR (DFT-s-OFDM, 100 % RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.84 ± 9.6 % 10949 AAC 5G NR (DFT-s-OFDM, 100 % RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.84 ± 9.6 % 10949 AAC 5G NR (DFT-s-OFDM, 100 % RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.94 ± 9.6 % 10950 AAC 5G NR (DFT-s-OFDM, 100 % RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.94 ± 9.6 % 10950 AAC 5G NR (DFT-s-OFDM, 100 % RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.94 ± 9.6 % 10950 AAC 5G NR (DFT-s-OFDM, 100 % RB,	10932	AAC	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10935 AAD 56 NR (DFT-s-OFDM, 18B, 50 MHz, QPSK, 15 kHz) 56 NR FR1 FDD 5.51 ± 9.6 % 10936 AAC 56 NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz) 56 NR FR1 FDD 5.77 ± 9.6 % 10938 AAC 56 NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz) 56 NR FR1 FDD 5.77 ± 9.6 % 10938 AAC 56 NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 56 NR FR1 FDD 5.90 ± 9.6 % 10939 AAC 56 NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 56 NR FR1 FDD 5.80 ± 9.6 % 10940 AAC 56 NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 56 NR FR1 FDD 5.89 ± 9.6 % 10941 AAC 56 NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 56 NR FR1 FDD 5.89 ± 9.6 % 10941 AAC 56 NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz) 56 NR FR1 FDD 5.89 ± 9.6 % 10943 AAC 56 NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz) 56 NR FR1 FDD 5.89 ± 9.6 % 10943 AAC 56 NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz) 56 NR FR1 FDD 5.85 ± 9.6 % 10944 AAC 56 NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 56 NR FR1 FDD 5.85 ± 9.6 % 10944 AAC 56 NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 56 NR FR1 FDD 5.81 ± 9.6 % 10946 AAC 56 NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz) 56 NR FR1 FDD 5.81 ± 9.6 % 10946 AAC 56 NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz) 56 NR FR1 FDD 5.81 ± 9.6 % 10949 AAC 56 NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 56 NR FR1 FDD 5.87 ± 9.6 % 10949 AAC 56 NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 56 NR FR1 FDD 5.87 ± 9.6 % 10949 AAC 56 NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 56 NR FR1 FDD 5.87 ± 9.6 % 10949 AAC 56 NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 56 NR FR1 FDD 5.87 ± 9.6 % 10949 AAC 56 NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 56 NR FR1 FDD 5.87 ± 9.6 % 10949 AAC 56 NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 56 NR FR1 FDD 5.84 ± 9.6 % 10949 AAC 56 NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) 56 NR FR1 FD	10933	AAC	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10936 AAC 5G NR (DFT-s-OFDM, 50% RB, 5 MHz, OPSK, 15 kHz) 5G NR FR1 FDD 5.90 ± 9.6 % 10937 AAC 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, OPSK, 15 kHz) 5G NR FR1 FDD 5.90 ± 9.6 % 10939 AAC 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, OPSK, 15 kHz) 5G NR FR1 FDD 5.82 ± 9.6 % 10939 AAC 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, OPSK, 15 kHz) 5G NR FR1 FDD 5.82 ± 9.6 % 10940 AAC 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, OPSK, 15 kHz) 5G NR FR1 FDD 5.82 ± 9.6 % 10941 AAC 5G NR (DFT-s-OFDM, 50% RB, 25 MHz, OPSK, 15 kHz) 5G NR FR1 FDD 5.83 ± 9.6 % 10942 AAC 5G NR (DFT-s-OFDM, 50% RB, 30 MHz, OPSK, 15 kHz) 5G NR FR1 FDD 5.83 ± 9.6 % 10942 AAC 5G NR (DFT-s-OFDM, 50% RB, 30 MHz, OPSK, 15 kHz) 5G NR FR1 FDD 5.85 ± 9.6 % 10943 AAD 5G NR (DFT-s-OFDM, 50% RB, 30 MHz, OPSK, 15 kHz) 5G NR FR1 FDD 5.85 ± 9.6 % 10944 AAC 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, OPSK, 15 kHz) 5G NR FR1 FDD 5.85 ± 9.6 % 10945 AAC 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, OPSK, 15 kHz) 5G NR FR1 FDD 5.81 ± 9.6 % 10945 AAC 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, OPSK, 15 kHz) 5G NR FR1 FDD 5.81 ± 9.6 % 10945 AAC 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, OPSK, 15 kHz) 5G NR FR1 FDD 5.83 ± 9.6 % 10946 AAC 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, OPSK, 15 kHz) 5G NR FR1 FDD 5.83 ± 9.6 % 10946 AAC 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, OPSK, 15 kHz) 5G NR FR1 FDD 5.83 ± 9.6 % 10945 AAC 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, OPSK, 15 kHz) 5G NR FR1 FDD 5.83 ± 9.6 % 10951 AAD 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, OPSK, 15 kHz) 5G NR FR1 FDD 5.83 ± 9.6 % 10951 AAD 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, OPSK, 15 kHz) 5G NR FR1 FDD 5.87 ± 9.6 % 10951 AAD 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, OPSK, 15 kHz) 5G NR FR1 FDD 5.87 ± 9.6 % 10951 AAD 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, OPSK, 15 kHz) 5G NR FR1 FDD 5.87 ± 9.6 % 10951 AAD 5G NR (DFT-s-OFDM, 1100% RB, 50 MHz, OPSK, 15 kHz) 5G NR FR1 FDD 5.87 ± 9.6 % 10953 AAA 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-OAM, 15 kHz) 5G NR FR1 FDD 5.94 ± 9.6 % 10953 AAA 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-OAM, 15 kHz) 5G NR FR1 FDD 5.15 ± 9.6 % 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-OAM,	10934	AAC	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10937 AAC 56 NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz) 56 NR FR1 FDD 5.77 ± 9.6 % 10938 AAC 56 NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 56 NR FR1 FDD 5.82 ± 9.6 % 10940 AAC 56 NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 56 NR FR1 FDD 5.82 ± 9.6 % 10941 AAC 56 NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz) 56 NR FR1 FDD 5.89 ± 9.6 % 10941 AAC 56 NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) 56 NR FR1 FDD 5.85 ± 9.6 % 10942 AAC 56 NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) 56 NR FR1 FDD 5.85 ± 9.6 % 10943 AAD 56 NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz) 56 NR FR1 FDD 5.85 ± 9.6 % 10943 AAC 56 NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 56 NR FR1 FDD 5.85 ± 9.6 % 10943 AAC 56 NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 56 NR FR1 FDD 5.85 ± 9.6 % 10944 AAC 56 NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz) 56 NR FR1 FDD 5.85 ± 9.6 % 10945 AAC 56 NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) 56 NR FR1 FDD 5.85 ± 9.6 % 10946 AAC 56 NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 56 NR FR1 FDD 5.85 ± 9.6 % 10945 AAC 56 NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 56 NR FR1 FDD 5.83 ± 9.6 % 10949 AAC 56 NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 56 NR FR1 FDD 5.87 ± 9.6 % 10949 AAC 56 NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 56 NR FR1 FDD 5.94 ± 9.6 % 10950 AAC 56 NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 56 NR FR1 FDD 5.94 ± 9.6 % 10951 AAC 56 NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 56 NR FR1 FDD 5.94 ± 9.6 % 10952 AAA 56 NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 56 NR FR1 FDD 5.94 ± 9.6 % 10953 AAA 56 NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 56 NR FR1 FDD 5.92 ± 9.6 % 10953 AAA 56 NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 56 NR FR1 FDD 5.92 ± 9.6 % 10953 AAA 56 NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) 56 NR FR1 FDD 5.92 ± 9.6 % 10953 AAA 56 NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) 56 NR FR1 FDD 5.92 ± 9.6 % 10953 AAA 56 NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 56 NR FR1 FDD 5.25 ± 9.6 % 10956 AAA 56 NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM,	10935	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10938 AAC 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, OPSK, 15 kHz) 5G NR FR1 FDD 5.90 ± 9.6 % 10939 AAC 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, OPSK, 15 kHz) 5G NR FR1 FDD 5.82 ± 9.6 % 10941 AAC 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, OPSK, 15 kHz) 5G NR FR1 FDD 5.89 ± 9.6 % 10942 AAC 5G NR (DFT-s-OFDM, 50% RB, 30 MHz, OPSK, 15 kHz) 5G NR FR1 FDD 5.83 ± 9.6 % 10942 AAC 5G NR (DFT-s-OFDM, 50% RB, 30 MHz, OPSK, 15 kHz) 5G NR FR1 FDD 5.83 ± 9.6 % 10942 AAC 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, OPSK, 15 kHz) 5G NR FR1 FDD 5.85 ± 9.6 % 10943 AAC 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, OPSK, 15 kHz) 5G NR FR1 FDD 5.95 ± 9.6 % 10944 AAC 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, OPSK, 15 kHz) 5G NR FR1 FDD 5.95 ± 9.6 % 10945 AAC 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, OPSK, 15 kHz) 5G NR FR1 FDD 5.81 ± 9.6 % 10945 AAC 5G NR (DFT-s-OFDM, 100% RB, 15 MHz, OPSK, 15 kHz) 5G NR FR1 FDD 5.83 ± 9.6 % 10947 AAC 5G NR (DFT-s-OFDM, 100% RB, 15 MHz, OPSK, 15 kHz) 5G NR FR1 FDD 5.83 ± 9.6 % 10947 AAC 5G NR (DFT-s-OFDM, 100% RB, 25 MHz, OPSK, 15 kHz) 5G NR FR1 FDD 5.87 ± 9.6 % 10949 AAC 5G NR (DFT-s-OFDM, 100% RB, 25 MHz, OPSK, 15 kHz) 5G NR FR1 FDD 5.87 ± 9.6 % 10950 AAC 5G NR (DFT-s-OFDM, 100% RB, 25 MHz, OPSK, 15 kHz) 5G NR FR1 FDD 5.87 ± 9.6 % 10950 AAC 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, OPSK, 15 kHz) 5G NR FR1 FDD 5.87 ± 9.6 % 10951 AAD 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, OPSK, 15 kHz) 5G NR FR1 FDD 5.87 ± 9.6 % 10953 AAA 5G NR DL (CP-OFDM, 1100% RB, 30 MHz, OPSK, 15 kHz) 5G NR FR1 FDD 5.94 ± 9.6 % 10953 AAA 5G NR DL (CP-OFDM, 1100% RB, 30 MHz, OPSK, 15 kHz) 5G NR FR1 FDD 5.94 ± 9.6 % 10953 AAA 5G NR DL (CP-OFDM, 1100% RB, 30 MHz, OPSK, 15 kHz) 5G NR FR1 FDD 5.94 ± 9.6 % 10955 AAA 5G NR DL (CP-OFDM, 1100% RB, 30 MHz, OPSK, 15 kHz) 5G NR FR1 FDD 5.94 ± 9.6 % 10955 AAA 5G NR DL (CP-OFDM, 110 Mz, 64-OAM, 15 kHz) 5G NR FR1 FDD 5.94 ± 9.6 % 10955 AAA 5G NR DL (CP-OFDM, 110 Mz, 64-OAM, 15 kHz) 5G NR FR1 FDD 8.23 ± 9.6 % 10955 AAA 5G NR DL (CP-OFDM, 110 Mz, 64-OAM, 30 kHz) 5G NR FR1 FDD 8.31 ± 9.6 % 10955 AAA 5G NR DL (CP-OFDM, 110 Mz, 110 MHz, 64-OAM, 30 kHz) 5G NR	10936	AAC	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	± 9.6 %
10939 AAC 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.89 ± 9.6 % 10940 AAC 5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.89 ± 9.6 % 10942 AAC 5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.83 ± 9.6 % 10943 AAD 5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.85 ± 9.6 % 10943 AAC 5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.95 ± 9.6 % 10943 AAC 5G NR (DFT-s-OFDM, 100% RB, 56 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.95 ± 9.6 % 10945 AAC 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.95 ± 9.6 % 10945 AAC 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.83 ± 9.6 % 10946 AAC 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.83 ± 9.6 % 10946 AAC 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.83 ± 9.6 % 10948 AAC 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.87 ± 9.6 % 10948 AAC 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.87 ± 9.6 % 10949 AAC 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.87 ± 9.6 % 10950 AAC 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.87 ± 9.6 % 10951 AAD 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.87 ± 9.6 % 10952 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 5.82 ± 9.6 % 10953 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.25 ± 9.6 % 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.2 ± 9.6 % 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.2 ± 9.6 % 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.2 ± 9.6 % 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.2 ± 9.6 % 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.42 ± 9.6 % 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.42 ± 9.6 % 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-	10937	AAC	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.77	± 9.6 %
10940 AAC 5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.83 ± 9.6 % 10941 AAC 5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.83 ± 9.6 % 10943 AAC 5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.85 ± 9.6 % 10943 AAD 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.95 ± 9.6 % 10944 AAC 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.81 ± 9.6 % 10945 AAC 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.81 ± 9.6 % 10946 AAC 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.85 ± 9.6 % 10947 AAC 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.87 ± 9.6 % 10947 AAC 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.87 ± 9.6 % 10948 AAC 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.87 ± 9.6 % 10949 AAC 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.87 ± 9.6 % 10950 AAC 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.87 ± 9.6 % 10951 AAD 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.94 ± 9.6 % 10951 AAD 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.94 ± 9.6 % 10951 AAD 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.92 ± 9.6 % 10953 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 5.92 ± 9.6 % 10953 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.23 ± 9.6 % 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.23 ± 9.6 % 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.23 ± 9.6 % 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.21 ± 9.6 % 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.31 ± 9.6 % 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.31 ± 9.6 % 10956 AAB 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 9.32 ± 9.6 % 10956 AAB 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-Q	10938	AAC	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	± 9.6 %
10941 AAC 5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.85 ± 9.6 % 10942 AAC 5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.85 ± 9.6 % 10944 AAC 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.85 ± 9.6 % 10945 AAC 5G NR (DFT-s-OFDM, 100% RB, 56 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.85 ± 9.6 % 10945 AAC 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.85 ± 9.6 % 10945 AAC 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.85 ± 9.6 % 10947 AAC 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.85 ± 9.6 % 10947 AAC 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.87 ± 9.6 % 10949 AAC 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.87 ± 9.6 % 10949 AAC 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.94 ± 9.6 % 10950 AAC 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.94 ± 9.6 % 10951 AAD 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.94 ± 9.6 % 10951 AAD 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.92 ± 9.6 % 10952 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 5.92 ± 9.6 % 10953 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.25 ± 9.6 % 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.25 ± 9.6 % 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.25 ± 9.6 % 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.23 ± 9.6 % 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.23 ± 9.6 % 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.24 ± 9.6 % 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.31 ± 9.6 % 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.31 ± 9.6 % 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 9.30 ± 9.6 % 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 M	10939	AAC	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.82	± 9.6 %
10942 AAC 5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.95 ± 9.6 % 10943 AAD 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.95 ± 9.6 % 10945 AAC 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.81 ± 9.6 % 10945 AAC 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.83 ± 9.6 % 10946 AAC 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.83 ± 9.6 % 10947 AAC 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.83 ± 9.6 % 10948 AAC 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.94 ± 9.6 % 10949 AAC 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.94 ± 9.6 % 10949 AAC 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.94 ± 9.6 % 10950 AAC 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.94 ± 9.6 % 10951 AAC 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.94 ± 9.6 % 10951 AAC 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.92 ± 9.6 % 10953 AAA 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.92 ± 9.6 % 10953 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.25 ± 9.6 % 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.15 ± 9.6 % 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.15 ± 9.6 % 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.15 ± 9.6 % 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.42 ± 9.6 % 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.42 ± 9.6 % 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.42 ± 9.6 % 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.61 ± 9.6 % 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.61 ± 9.6 % 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.61 ± 9.6 % 10956 AAB 5G NR DL (CP-OFDM, TM 3.1, 1	10940	AAC	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.89	± 9.6 %
10943 AAD 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.81 ± 9.6 % 10944 AAC 5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.81 ± 9.6 % 10945 AAC 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.83 ± 9.6 % 10946 AAC 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.83 ± 9.6 % 10947 AAC 5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.83 ± 9.6 % 10947 AAC 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.87 ± 9.6 % 10948 AAC 5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.87 ± 9.6 % 10949 AAC 5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.87 ± 9.6 % 10950 AAC 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.87 ± 9.6 % 10951 AAD 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.94 ± 9.6 % 10951 AAD 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.92 ± 9.6 % 10952 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.25 ± 9.6 % 10953 AAA 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.25 ± 9.6 % 10954 AAA 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.25 ± 9.6 % 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.15 ± 9.6 % 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.15 ± 9.6 % 10959 AAA 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.15 ± 9.6 % 10959 AAA 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.42 ± 9.6 % 10956 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.41 ± 9.6 % 10959 AAA 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.41 ± 9.6 % 10956 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 9.32 ± 9.6 % 10956 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 9.32 ± 9.6 % 10966 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.35 ± 9.6 % 10966 AAB 5G NR DL (CP-OFDM, TM 3.1,	10941	AAC	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	± 9.6 %
10944 AAC 5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.81 ± 9.6 % 10945 AAC 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.85 ± 9.6 % 10947 AAC 5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.83 ± 9.6 % 10947 AAC 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.87 ± 9.6 % 10948 AAC 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.94 ± 9.6 % 10949 AAC 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.94 ± 9.6 % 10950 AAC 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.94 ± 9.6 % 10950 AAC 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.94 ± 9.6 % 10951 AAD 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.94 ± 9.6 % 10952 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 5.92 ± 9.6 % 10953 AAA 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.15 ± 9.6 % 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.23 ± 9.6 % 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.42 ± 9.6 % 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.42 ± 9.6 % 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.14 ± 9.6 % 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.31 ± 9.6 % 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.31 ± 9.6 % 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.31 ± 9.6 % 10956 AAB 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 9.32 ± 9.6 % 10963 AAB 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 9.32 ± 9.6 % 10966 AAB 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz	10942	AAC	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	± 9.6 %
10945 AAC 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.85 ± 9.6 % 10946 AAC 5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.83 ± 9.6 % 10947 AAC 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.87 ± 9.6 % 10948 AAC 5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.94 ± 9.6 % 10949 AAC 5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.94 ± 9.6 % 10950 AAC 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.94 ± 9.6 % 10951 AAD 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.94 ± 9.6 % 10951 AAD 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.94 ± 9.6 % 10952 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 8.25 ± 9.6 % 10953 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.25 ± 9.6 % 10954 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.25 ± 9.6 % 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.25 ± 9.6 % 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.26 ± 9.6 % 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.42 ± 9.6 % 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.42 ± 9.6 % 10958 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.42 ± 9.6 % 10959 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.42 ± 9.6 % 10959 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.31 ± 9.6 % 10956 AAB 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.31 ± 9.6 % 10960 AAC 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.32 ± 9.6 % 10960 AAC 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 9.32 ± 9.6 % 10960 AAC 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.32 ± 9.6 % 10960 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.55 ± 9.6 % 10960 AAB 5G NR DL (CP-OFDM, TM 3.	10943	AAD	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.95	± 9.6 %
10946 AAC 5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.83 ± 9.6 % 10947 AAC 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.87 ± 9.6 % 10948 AAC 5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.87 ± 9.6 % 10949 AAC 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.87 ± 9.6 % 10950 AAC 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.94 ± 9.6 % 10951 AAD 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.92 ± 9.6 % 10952 AAA 5G NR (DFT-s-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 5.92 ± 9.6 % 10953 AAA 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.25 ± 9.6 % 10954 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.25 ± 9.6 % 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.23 ± 9.6 % 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.24 ± 9.6 % 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.42 ± 9.6 % 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.42 ± 9.6 % 10958 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.14 ± 9.6 % 10958 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.31 ± 9.6 % 10959 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.31 ± 9.6 % 10960 AAC 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.61 ± 9.6 % 10961 AAC 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.32 ± 9.6 % 10962 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.32 ± 9.6 % 10963 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.32 ± 9.6 % 10966 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.32 ± 9.6 % 10963 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.32 ± 9.6 % 10966 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.55 ± 9.6 % 10966 AAB 5G NR DL (CP-OFDM,	10944	AAC	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.81	± 9.6 %
10947 AAC 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.87 ± 9.6 % 10948 AAC 5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.94 ± 9.6 % 10949 AAC 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.87 ± 9.6 % 10950 AAC 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.94 ± 9.6 % 10951 AAD 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.92 ± 9.6 % 10952 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.25 ± 9.6 % 10953 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.25 ± 9.6 % 10954 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.25 ± 9.6 % 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.23 ± 9.6 % 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.23 ± 9.6 % 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.42 ± 9.6 % 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.14 ± 9.6 % 10958 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.14 ± 9.6 % 10959 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.61 ± 9.6 % 10959 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.31 ± 9.6 % 10960 AAC 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.31 ± 9.6 % 10960 AAC 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.32 ± 9.6 % 10963 AAB 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.36 ± 9.6 % 10963 AAB 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.36 ± 9.6 % 10963 AAB 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.36 ± 9.6 % 10963 AAB 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.36 ± 9.6 % 10963 AAB 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.36 ± 9.6 % 10963 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.66 ± 9.6 % 10963 AAB 5G NR DL (CP-OFDM,	10945	AAC	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	± 9.6 %
10948 AAC 5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.94 ± 9.6 % 10949 AAC 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.87 ± 9.6 % 10950 AAC 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.94 ± 9.6 % 10951 AAD 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.94 ± 9.6 % 10952 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.25 ± 9.6 % 10953 AAA 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.15 ± 9.6 % 10954 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.23 ± 9.6 % 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.24 ± 9.6 % 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.42 ± 9.6 % 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.42 ± 9.6 % 10957 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.14 ± 9.6 % 10958 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.14 ± 9.6 % 10958 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.61 ± 9.6 % 10959 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.61 ± 9.6 % 10959 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.31 ± 9.6 % 10961 AAB 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 9.32 ± 9.6 % 10962 AAB 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.36 ± 9.6 % 10963 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.36 ± 9.6 % 10963 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.55 ± 9.6 % 10963 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.55 ± 9.6 % 10963 AAB 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.55 ± 9.6 % 10963 AAB 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.55 ± 9.6 % 10963 AAB 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.55 ± 9.6 % 10963 AAB 5G NR DL (CP-OFDM, T	10946	AAC	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	± 9.6 %
10949 AAC 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.87 ± 9.6 % 10950 AAC 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.94 ± 9.6 % 10951 AAD 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.92 ± 9.6 % 10952 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.25 ± 9.6 % 10953 AAA 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.25 ± 9.6 % 10954 AAA 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.23 ± 9.6 % 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.23 ± 9.6 % 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.42 ± 9.6 % 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.31 ± 9.6 % 10957 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.31 ± 9.6 % 10959 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.31 ± 9.6 % 10959 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.31 ± 9.6 % 10959 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.31 ± 9.6 % 10960 AAC 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.32 ± 9.6 % 10961 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 9.32 ± 9.6 % 10961 AAB 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.32 ± 9.6 % 10964 AAC 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.30 ± 9.6 % 10964 AAC 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.55 ± 9.6 % 10964 AAC 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.55 ± 9.6 % 10964 AAC 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.55 ± 9.6 % 10964 AAC 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.55 ± 9.6 % 10964 AAB 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 50 kHz) 5G NR FR1 TDD 9.55 ± 9.6 % 10966 AAB 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 50 kHz) 5G NR FR1 TDD 9.55 ± 9.6 % 10967 AAB 5G NR DL (CP-OFDM, T	10947	AAC	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	± 9.6 %
10950 AAC 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.94 ± 9.6 % 10951 AAD 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.92 ± 9.6 % 10952 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.25 ± 9.6 % 10953 AAA 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.23 ± 9.6 % 10954 AAA 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.23 ± 9.6 % 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.23 ± 9.6 % 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.42 ± 9.6 % 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.14 ± 9.6 % 10957 AAA 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.31 ± 9.6 % 10958 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.61 ± 9.6 % 10959 AAA 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.31 ± 9.6 % 10950 AAA 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.31 ± 9.6 % 10960 AAC 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 9.32 ± 9.6 % 10961 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.32 ± 9.6 % 10962 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.30 ± 9.6 % 10964 AAC 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.55 ± 9.6 % 10965 AAB 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.50 ± 9.6 % 10966 AAB 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.50 ± 9.6 % 10966 AAB 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.50 ± 9.6 % 10966 AAB 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.50 ± 9.6 % 10966 AAB 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.50 ± 9.6 % 10967 AAB 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.50 ± 9.6 % 10968 AAB 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.50 ± 9.6 % 10973 AAB 5G NR DL (CP-OFDM, TM	10948	AAC	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	± 9.6 %
10951 AAD 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.92 ± 9.6 % 10952 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.25 ± 9.6 % 10953 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.25 ± 9.6 % 10954 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.23 ± 9.6 % 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.24 ± 9.6 % 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.42 ± 9.6 % 10957 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.31 ± 9.6 % 10958 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.31 ± 9.6 % 10958 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.61 ± 9.6 % 10959 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.33 ± 9.6 % 10960 AAC 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 9.32 ± 9.6 % 10961 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 9.32 ± 9.6 % 10962 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.36 ± 9.6 % 10963 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.36 ± 9.6 % 10964 AAC 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.55 ± 9.6 % 10965 AAB 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.55 ± 9.6 % 10966 AAB 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.55 ± 9.6 % 10966 AAB 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.55 ± 9.6 % 10968 AAB 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.55 ± 9.6 % 10968 AAB 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.55 ± 9.6 % 10968 AAB 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.55 ± 9.6 % 10973 AAB 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.55 ± 9.6 % 10973 AAB 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.42 ± 9.6 % 10973 AAB 5G NR DL (CP-OFDM	10949	AAC	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	± 9.6 %
10952 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.25 ± 9.6 % 10953 AAA 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.15 ± 9.6 % 10954 AAA 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.23 ± 9.6 % 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.42 ± 9.6 % 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.14 ± 9.6 % 10957 AAA 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.14 ± 9.6 % 10958 AAA 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.61 ± 9.6 % 10959 AAA 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.61 ± 9.6 % 10960 AAC 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.33 ± 9.6 % 10960 AAC 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.32 ± 9.6 % 10962 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.36 ± 9.6 % 10963 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.36 ± 9.6 % 10964 AAC 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.55 ± 9.6 % 10964 AAC 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.55 ± 9.6 % 10965 AAB 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.37 ± 9.6 % 10966 AAB 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.55 ± 9.6 % 10966 AAB 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.37 ± 9.6 % 10968 AAB 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.55 ± 9.6 % 10968 AAB 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.55 ± 9.6 % 10968 AAB 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.55 ± 9.6 % 10968 AAB 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.55 ± 9.6 % 10968 AAB 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.56 ± 9.6 % 10968 AAB 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 50 kHz) 5G NR FR1 TDD 9.55 ± 9.6 % 10968 AAB 5G NR DL (CP-OFDM, T	10950	AAC	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	± 9.6 %
10953 AAA 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.15 ± 9.6 % 10954 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.23 ± 9.6 % 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.42 ± 9.6 % 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.14 ± 9.6 % 10957 AAA 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.31 ± 9.6 % 10958 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.31 ± 9.6 % 10959 AAA 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.31 ± 9.6 % 10960 AAC 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.33 ± 9.6 % 10961 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.32 ± 9.6 % 10962 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.36 ± 9.6 % 10963 AAB 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.40 ± 9.6 % 10964 AAC 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.55 ± 9.6 % 10966 AAB 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.55 ± 9.6 % 10966 AAB 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.37 ± 9.6 % 10966 AAB 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.37 ± 9.6 % 10966 AAB 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.57 ± 9.6 % 10968 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.59 ± 9.6 % 10968 AAB 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.42 ± 9.6 % 10968 AAB 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.59 ± 9.6 % 10968 AAB 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.42 ± 9.6 % 10973 AAB 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.42 ± 9.6 % 10973 AAB 5G NR (CP-OFDM, 100 MRz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.42 ± 9.6 % 10973 AAB 5G NR (CP-OFDM, 100 MRz, 64-QAM, 30 kHz) 5G NR FR1 TDD 10.28 ± 9.6 % 10973 AAA ULLA BDR ULLA 100 MHz, 64-QAM, 30 kHz)	10951	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.92	± 9.6 %
10954 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.23 ± 9.6 % 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.42 ± 9.6 % 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.14 ± 9.6 % 10957 AAA 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.31 ± 9.6 % 10958 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.61 ± 9.6 % 10959 AAA 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.33 ± 9.6 % 10960 AAC 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.33 ± 9.6 % 10961 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.32 ± 9.6 % 10962 AAB 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.36 ± 9.6 % 10963 AAB 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.55 ± 9.6 % 10964 AAC 5G NR D	10952	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.25	± 9.6 %
10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.42 ± 9.6 % 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.14 ± 9.6 % 10957 AAA 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.31 ± 9.6 % 10958 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.61 ± 9.6 % 10959 AAA 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.33 ± 9.6 % 10960 AAC 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.32 ± 9.6 % 10961 AAB 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.36 ± 9.6 % 10962 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.36 ± 9.6 % 10963 AAB 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.55 ± 9.6 % 10964 AAC 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.55 ± 9.6 % 10965 AAB 5G NR DL (10953	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.15	± 9.6 %
10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.14 ± 9.6 % 10957 AAA 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.31 ± 9.6 % 10958 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.61 ± 9.6 % 10959 AAA 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.33 ± 9.6 % 10960 AAC 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.32 ± 9.6 % 10961 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.36 ± 9.6 % 10962 AAB 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.40 ± 9.6 % 10963 AAB 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.55 ± 9.6 % 10964 AAC 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.29 ± 9.6 % 10965 AAB 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.37 ± 9.6 % 10966 AAB 5G NR D	10954	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.23	± 9.6 %
10957 AAA 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.31 ± 9.6 % 10958 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.61 ± 9.6 % 10959 AAA 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.33 ± 9.6 % 10960 AAC 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.32 ± 9.6 % 10961 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.36 ± 9.6 % 10962 AAB 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.40 ± 9.6 % 10963 AAB 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.40 ± 9.6 % 10964 AAC 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.55 ± 9.6 % 10965 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.37 ± 9.6 % 10966 AAB 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.55 ± 9.6 % 10967 AAB 5G NR	10955	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.42	± 9.6 %
10958 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.61 ± 9.6 % 10959 AAA 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.33 ± 9.6 % 10960 AAC 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.32 ± 9.6 % 10961 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.36 ± 9.6 % 10962 AAB 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.40 ± 9.6 % 10963 AAB 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.55 ± 9.6 % 10964 AAC 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.55 ± 9.6 % 10965 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.37 ± 9.6 % 10966 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.55 ± 9.6 % 10967 AAB 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.42 ± 9.6 % 10972 AAB 5G NR D	10956	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.14	± 9.6 %
10959 AAA 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.33 ± 9.6 % 10960 AAC 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.32 ± 9.6 % 10961 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.36 ± 9.6 % 10962 AAB 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.40 ± 9.6 % 10963 AAB 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.55 ± 9.6 % 10964 AAC 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.29 ± 9.6 % 10965 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.37 ± 9.6 % 10966 AAB 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.55 ± 9.6 % 10967 AAB 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.42 ± 9.6 % 10972 AAB 5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.49 ± 9.6 % 10973 AAB 5G NR	10957	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.31	± 9.6 %
10960 AAC 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.32 ± 9.6 % 10961 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.36 ± 9.6 % 10962 AAB 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.40 ± 9.6 % 10963 AAB 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.55 ± 9.6 % 10964 AAC 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.29 ± 9.6 % 10965 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.37 ± 9.6 % 10966 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.55 ± 9.6 % 10967 AAB 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.42 ± 9.6 % 10972 AAB 5G NR (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 11.59 ± 9.6 % 10973 AAB 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 10.28 ± 9.6 % 10978 AAA ULLA	10958	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.61	± 9.6 %
10961 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.36 ± 9.6 % 10962 AAB 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.40 ± 9.6 % 10963 AAB 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.55 ± 9.6 % 10964 AAC 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.29 ± 9.6 % 10965 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.37 ± 9.6 % 10966 AAB 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.55 ± 9.6 % 10967 AAB 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.42 ± 9.6 % 10968 AAB 5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.42 ± 9.6 % 10972 AAB 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 11.59 ± 9.6 % 10973 AAB 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 10.28 ± 9.6 % 10978 AAA ULLA	10959	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.33	± 9.6 %
10961 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.36 ± 9.6 % 10962 AAB 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.40 ± 9.6 % 10963 AAB 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.55 ± 9.6 % 10964 AAC 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.29 ± 9.6 % 10965 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.37 ± 9.6 % 10966 AAB 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.55 ± 9.6 % 10967 AAB 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.42 ± 9.6 % 10968 AAB 5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.42 ± 9.6 % 10972 AAB 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 11.59 ± 9.6 % 10973 AAB 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 10.28 ± 9.6 % 10978 AAA ULLA BDR	10960	AAC	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.32	± 9.6 %
10963 AAB 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.55 ± 9.6 % 10964 AAC 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.29 ± 9.6 % 10965 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.37 ± 9.6 % 10966 AAB 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.55 ± 9.6 % 10967 AAB 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.42 ± 9.6 % 10968 AAB 5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.49 ± 9.6 % 10972 AAB 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 11.59 ± 9.6 % 10973 AAB 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 10.28 ± 9.6 % 10974 AAB 5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz) 5G NR FR1 TDD 10.28 ± 9.6 % 10978 AAA ULLA BDR ULLA 2.23 ± 9.6 % 10980 AAA ULLA HDR8 ULLA 8.82 <t< td=""><td></td><td></td><td>5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)</td><td>5G NR FR1 TDD</td><td>9.36</td><td>± 9.6 %</td></t<>			5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.36	± 9.6 %
10964 AAC 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.29 ± 9.6 % 10965 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.37 ± 9.6 % 10966 AAB 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.55 ± 9.6 % 10967 AAB 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.42 ± 9.6 % 10968 AAB 5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.49 ± 9.6 % 10972 AAB 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 11.59 ± 9.6 % 10973 AAB 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 9.06 ± 9.6 % 10974 AAB 5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz) 5G NR FR1 TDD 10.28 ± 9.6 % 10978 AAA ULLA BDR ULLA 2.23 ± 9.6 % 10980 AAA ULLA HDR8 ULLA 8.82 ± 9.6 % 10981 AAA ULLA HDR94 ULLA 1.50 ± 9.6 %	10962	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.40	± 9.6 %
10964 AAC 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.29 ± 9.6 % 10965 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.37 ± 9.6 % 10966 AAB 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.55 ± 9.6 % 10967 AAB 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.42 ± 9.6 % 10968 AAB 5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.49 ± 9.6 % 10972 AAB 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 11.59 ± 9.6 % 10973 AAB 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 9.06 ± 9.6 % 10974 AAB 5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz) 5G NR FR1 TDD 10.28 ± 9.6 % 10978 AAA ULLA BDR ULLA 2.23 ± 9.6 % 10980 AAA ULLA HDR8 ULLA 8.82 ± 9.6 % 10981 AAA ULLA HDR94 ULLA 1.50 ± 9.6 %	10963	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.55	± 9.6 %
10966 AAB 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.55 ± 9.6 % 10967 AAB 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.42 ± 9.6 % 10968 AAB 5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.49 ± 9.6 % 10972 AAB 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 11.59 ± 9.6 % 10973 AAB 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 9.06 ± 9.6 % 10974 AAB 5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz) 5G NR FR1 TDD 10.28 ± 9.6 % 10978 AAA ULLA BDR ULLA 2.23 ± 9.6 % 10980 AAA ULLA HDR8 ULLA 8.82 ± 9.6 % 10981 AAA ULLA HDR94 ULLA 1.50 ± 9.6 %	10964		5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.29	± 9.6 %
10967 AAB 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.42 ± 9.6 % 10968 AAB 5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.49 ± 9.6 % 10972 AAB 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 11.59 ± 9.6 % 10973 AAB 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 9.06 ± 9.6 % 10974 AAB 5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz) 5G NR FR1 TDD 10.28 ± 9.6 % 10978 AAA ULLA BDR ULLA 2.23 ± 9.6 % 10979 AAA ULLA HDR4 ULLA 7.02 ± 9.6 % 10980 AAA ULLA HDR8 ULLA 8.82 ± 9.6 % 10981 AAA ULLA HDR94 ULLA 1.50 ± 9.6 %	10965	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.37	± 9.6 %
10967 AAB 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.42 ± 9.6 % 10968 AAB 5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.49 ± 9.6 % 10972 AAB 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 11.59 ± 9.6 % 10973 AAB 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 9.06 ± 9.6 % 10974 AAB 5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz) 5G NR FR1 TDD 10.28 ± 9.6 % 10978 AAA ULLA BDR ULLA 2.23 ± 9.6 % 10979 AAA ULLA HDR4 ULLA 7.02 ± 9.6 % 10980 AAA ULLA HDR8 ULLA 8.82 ± 9.6 % 10981 AAA ULLA HDR94 ULLA 1.50 ± 9.6 %	10966	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.55	± 9.6 %
10972 AAB 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 11.59 ± 9.6 % 10973 AAB 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 9.06 ± 9.6 % 10974 AAB 5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz) 5G NR FR1 TDD 10.28 ± 9.6 % 10978 AAA ULLA BDR ULLA 2.23 ± 9.6 % 10979 AAA ULLA HDR4 ULLA 7.02 ± 9.6 % 10980 AAA ULLA HDR8 ULLA 8.82 ± 9.6 % 10981 AAA ULLA HDR94 ULLA 1.50 ± 9.6 %	10967	AAB		5G NR FR1 TDD	9.42	± 9.6 %
10973 AAB 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 9.06 ± 9.6 % 10974 AAB 5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz) 5G NR FR1 TDD 10.28 ± 9.6 % 10978 AAA ULLA BDR ULLA 2.23 ± 9.6 % 10979 AAA ULLA HDR4 ULLA 7.02 ± 9.6 % 10980 AAA ULLA HDR8 ULLA 8.82 ± 9.6 % 10981 AAA ULLA HDR94 ULLA 1.50 ± 9.6 %	10968	AAB	5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.49	± 9.6 %
10974 AAB 5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz) 5G NR FR1 TDD 10.28 ± 9.6 % 10978 AAA ULLA BDR ULLA 2.23 ± 9.6 % 10979 AAA ULLA HDR4 ULLA 7.02 ± 9.6 % 10980 AAA ULLA HDR8 ULLA 8.82 ± 9.6 % 10981 AAA ULLA HDRp4 ULLA 1.50 ± 9.6 %	10972	AAB	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	11.59	± 9.6 %
10974 AAB 5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz) 5G NR FR1 TDD 10.28 ± 9.6 % 10978 AAA ULLA BDR ULLA 2.23 ± 9.6 % 10979 AAA ULLA HDR4 ULLA 7.02 ± 9.6 % 10980 AAA ULLA HDR8 ULLA 8.82 ± 9.6 % 10981 AAA ULLA HDR94 ULLA 1.50 ± 9.6 %	10973	AAB	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	9.06	± 9.6 %
10978 AAA ULLA BDR ULLA 2.23 ± 9.6 % 10979 AAA ULLA HDR4 ULLA 7.02 ± 9.6 % 10980 AAA ULLA HDR8 ULLA 8.82 ± 9.6 % 10981 AAA ULLA HDRp4 ULLA 1.50 ± 9.6 %		AAB	5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz)	5G NR FR1 TDD	10.28	± 9.6 %
10980 AAA ULLA HDR8 ULLA 8.82 ± 9.6 % 10981 AAA ULLA HDRp4 ULLA 1.50 ± 9.6 %		AAA	ULLA BDR	ULLA	2.23	± 9.6 %
10980 AAA ULLA HDR8 ULLA 8.82 ± 9.6 % 10981 AAA ULLA HDRp4 ULLA 1.50 ± 9.6 %	10979	AAA	ULLA HDR4	ULLA	7.02	± 9.6 %
	10980	AAA		ULLA	8.82	
10982 AAA ULLA HDRp8 ULLA 1.44 ± 9.6 %	10981	AAA	ULLA HDRp4	ULLA	1.50	± 9.6 %
	10982	AAA	ULLA HDRp8	ULLA	1.44	± 9.6 %

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

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