

In Collaboration with





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Client

Sporton

Certificate No:

Z21-60551

CALIBRATION CERTIFICATE

Object

D835V2 - SN: 4d162

Calibration Procedure(s)

FF-Z11-003-01

Calibration Procedures for dipole validation kits

Calibration date:

December 17, 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	24-Sep-21 (CTTL, No.J21X08326)	Sep-22
Power sensor NRP8S	104291	24-Sep-21 (CTTL, No.J21X08326)	
Reference Probe EX3DV4	SN 7307	26-May-21(SPEAG,No.EX3-7307_May21)	Sep-22
DAE4	SN 1556	15-Jan-21(SPEAG,No.DAE4-1556_Jan21)	May-22 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

Calibrated by:

Zhao Jing

SAR Test Engineer

Reviewed by:

Lin Hao

SAR Test Engineer

Approved by:

Qi Dianyuan

SAR Project Leader

Issued: December 24, 2021

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Certificate No: Z21-60551

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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: Z21-60551

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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	3.50.031
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	40.8 ± 6 %	0.91 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	2.44 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	9.64 W/kg ± 18.8 % (k=2)
SAR averaged over 10 cm^3 (10 g) of Head TSL	Condition	, o = 1272 18 (8 18 2)
SAR measured	250 mW input power	1.58 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	6.26 W/kg ± 18.7 % (k=2)

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Appendix (Additional assessments outside the scope of CNAS L0570)

Antenna Parameters with Head TSL

Impedance, transformed to feed point	53.7Ω- 2.20jΩ	
Return Loss	- 27.7dB	

General Antenna Parameters and Design

Electrical Delay (one direction)	1.346 ns
07-	25% 201 (25%) (25%)

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	
Manufactured by	SPEAG
	OI LAG

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DASY5 Validation Report for Head TSL

Test Laboratory: CTTL, Beijing, China

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN: 4d162

Communication System: UID 0, CW; Frequency: 835 MHz; Duty Cycle: 1:1 Medium parameters used: f = 835 MHz; $\sigma = 0.91$ S/m; $\epsilon_r = 40.77$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

Probe: EX3DV4 - SN7307; ConvF(10.13, 10.13, 10.13) @ 835 MHz; Calibrated: 2021-05-26

Date: 2021-12-17

- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1556; Calibrated: 2021-01-15
- Phantom: MFP_V5.1C (20deg probe tilt); Type: QD 000 P51 Cx; Serial: 1062
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

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

dy=5mm, dz=5mm

Reference Value = 59.81 V/m; Power Drift = -0.01 dB

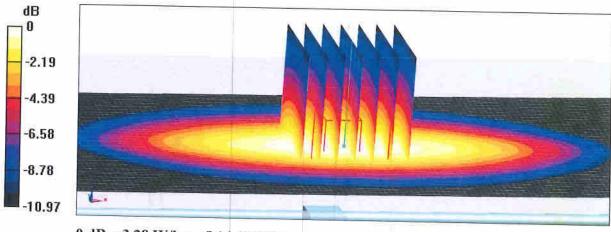
Peak SAR (extrapolated) = 3.70 W/kg

SAR(1 g) = 2.44 W/kg; SAR(10 g) = 1.58 W/kg

Smallest distance from peaks to all points 3 dB below = 20.5 mm

Ratio of SAR at M2 to SAR at M1 = 65.7%

Maximum value of SAR (measured) = 3.28 W/kg



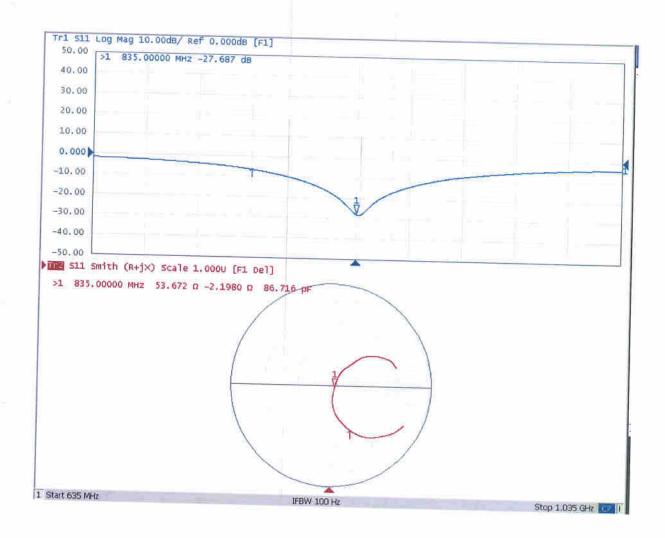
0 dB = 3.28 W/kg = 5.16 dBW/kg

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Impedance Measurement Plot for Head TSL





D835V2, Serial No. 4d162 Extended Dipole Calibrations

Referring to KDB 865664 D01, if dipoles are verified in return loss (<-20dB, within 20% of prior calibration), and in impedance (within 5 ohm of prior calibration), the annual calibration is not necessary and the calibration interval can be extended.

D835V2 – serial no. 4d162						
	835 Head					
Date of	Return-Loss	Delta	Real Impedance	Delta	Imaginary Impedance	Delta
Measurement	(dB)	(%)	(ohm)	(ohm)	(ohm)	(ohm)
2021.12.17	-27.7		53.7		-2.2	
2022.12.16	-27.7	0.0	52.2	1.5	-3.6	1.4

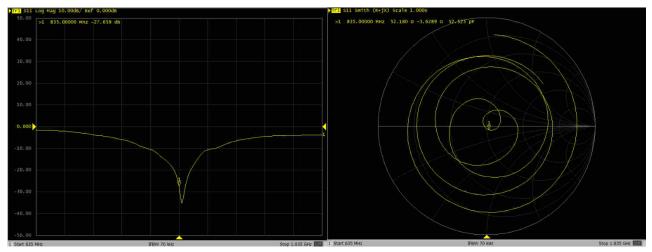
<Justification of the extended calibration>

The return loss is < -20dB, within 20% of prior calibration; the impedance is within 5 ohm of prior calibration. Therefore the verification result should support extended calibration.



Dipole Verification Data> 835V2, serial no. 4d162

835MHz - Head----2022.12.16





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CALIBRATION LABORATORY

CALIBRATION **CNAS L0570**

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sporton

Z21-60374

CALIBRATION CERTIFICATE

Object

D1750V2 - SN: 1137

Calibration Procedure(s)

Client

FF-Z11-003-01

Calibration Procedures for dipole validation kits

Certificate No:

Calibration date:

October 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 (Calibrated by, Certificate No.)	Scheduled Calibration
Power Meter NRP2	106277	24-Sep-21 (CTTL, No.J21X08326)	Sep-22
Power sensor NRP8S	104291	24-Sep-21 (CTTL, No.J21X08326)	Sep-22
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 Calibrated by: Zhao Jing SAR Test Engineer Reviewed by: Lin Hao SAR Test Engineer

Approved by:

Qi Dianyuan SAR Project Leader

Issued: October 24 2021

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Certificate No: Z21-60374



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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: Z21-60374



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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	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	39.8 ± 6 %	1.38 mho/m ± 6 %
Head TSL temperature change during test	<1.0 °C	****	107000

SAR result with Head TSL

SAR averaged over 1 cm ³ (1 g) of Head TSL	Condition	
SAR measured	250 mW input power	9.20 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	36.5 W/kg ± 18.8 % (k=2)
SAR averaged over 10 cm ³ (10 g) of Head TSL	Condition	
SAR measured	250 mW input power	4.83 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	19.2 W/kg ± 18.7 % (k=2)

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Appendix (Additional assessments outside the scope of CNAS L0570)

Antenna Parameters with Head TSL

Impedance, transformed to feed point	51.8Ω+ 0.34jΩ	
Return Loss	- 34.9 dB	

General Antenna Parameters and Design

Electrical Delay (one direction)	1.123 ns	
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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

F	
Manufactured by	SPEAG

Certificate No: Z21-60374



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DASY5 Validation Report for Head TSL

Test Laboratory: CTTL, Beijing, China

DUT: Dipole 1750 MHz; Type: D1750V2; Serial: D1750V2 - SN: 1137

Communication System: UID 0, CW; Frequency: 1750 MHz; Duty Cycle: 1:1

Medium parameters used: f = 1750 MHz; $\sigma = 1.382$ S/m; $\varepsilon_r = 39.76$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY5 Configuration:

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

Date: 10.19.2021

- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1556; Calibrated: 2021-01-15
- 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 (7501)

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

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

Reference Value = 97.97 V/m; Power Drift = -0.01 dB

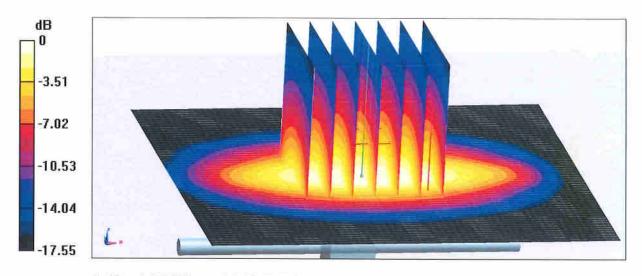
Peak SAR (extrapolated) = 17.3 W/kg

SAR(1 g) = 9.2 W/kg; SAR(10 g) = 4.83 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 53.1%

Maximum value of SAR (measured) = 14.3 W/kg

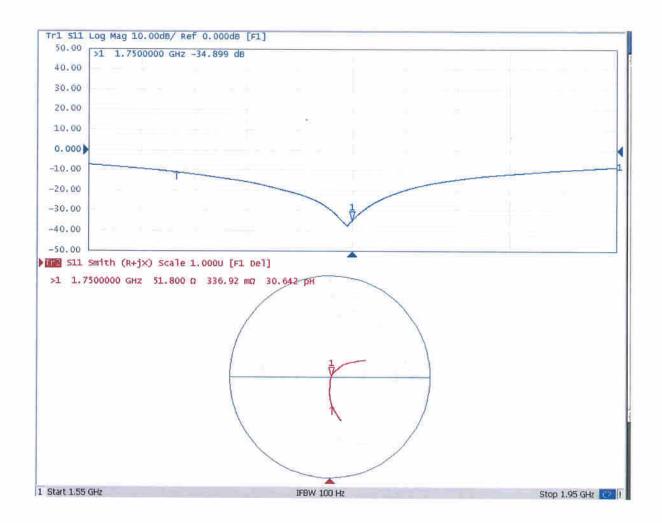


0 dB = 14.3 W/kg = 11.55 dBW/kg



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Impedance Measurement Plot for Head TSL





D1750V2, Serial No. 1137 Extended Dipole Calibrations

Referring to KDB 865664 D01, if dipoles are verified in return loss (<-20dB, within 20% of prior calibration), and in impedance (within 5 ohm of prior calibration), the annual calibration is not necessary and the calibration interval can be extended.

	D1750V2 – serial no. 1137									
	1750 Head									
Date of Measurement	Return-Loss (dB)	Delta (%)	Real Impedance (ohm)	Delta (ohm)	Imaginary Impedance (ohm)	Delta (ohm)				
2011.10.19	-34.9		51.8		0.34					
2022.10.18	-40.4	15.8	51	0.8	0.15	0.19				

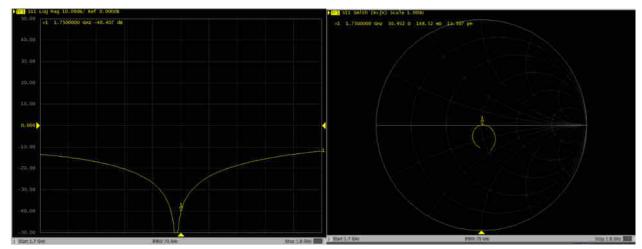
<Justification of the extended calibration>

The return loss is < -20dB, within 20% of prior calibration; the impedance is within 5 ohm of prior calibration. Therefore the verification result should support extended calibration.



Dipole Verification Data> D1750V2, serial no. 1137

1750MHz - Head----2022.10.18





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Client

Sporton

Certificate No:

Z21-60553

CALIBRATION CERTIFICATE

Object

D1900V2 - SN: 5d182

Calibration Procedure(s)

FF-Z11-003-01

Calibration Procedures for dipole validation kits

Calibration date:

December 20, 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	24-Sep-21 (CTTL, No.J21X08326)	Sep-22
Power sensor NRP8S	104291	24-Sep-21 (CTTL, No.J21X08326)	Sep-22
Reference Probe EX3DV4	SN 7307	26-May-21(SPEAG,No.EX3-7307_May21)	May-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	是怎
Reviewed by:	Lin Hao	SAR Test Engineer	ALX.
Approved by:	Qi Dianyuan	SAR Project Leader	125

Issued: December 27, 2021

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lossary:

TSL

tissue simulating liquid

ConvF N/A

sensitivity in TSL / NORMx,y,z 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: Z21-60553

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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	- englistature of talking and account to
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	39.4 ± 6 %	1.41 mho/m ± 6 %
Head TSL temperature change during test	<1.0 °C	No.	

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	39.6 W/kg ± 18.8 % (k=2)
SAR averaged over 10 cm^3 (10 g) of Head TSL	Condition	
SAR measured	250 mW input power	5.07 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	20.2 W/kg ± 18.7 % (k=2)

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http://www.chinattl.cn

Appendix (Additional assessments outside the scope of CNAS L0570)

Antenna Parameters with Head TSL

Impedance, transformed to feed point	54.3Ω+ 6.57jΩ
Return Loss	- 22.5dB

General Antenna Parameters and Design

Electrical Delay (one direction)	1.112 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	
Wandlactured by	SPEAG

Certificate No: Z21-60553

Page 4 of 6



DASY5 Validation Report for Head TSL

Test Laboratory: CTTL, Beijing, China

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN: 5d182

Communication System: UID 0, CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium parameters used: f = 1900 MHz; σ = 1.414 S/m; ϵ_r = 39.36; ρ = 1000 kg/m³

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

 Probe: EX3DV4 - SN7307; ConvF(8.32, 8.32, 8.32) @ 1900 MHz; Calibrated: 2021-05-26

Date: 2021-12-20

- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1556; Calibrated: 2021-01-15
- Phantom: MFP_V5.1C (20deg probe tilt); Type: QD 000 P51 Cx; Serial: 1062
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

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

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

Reference Value = 101.3 V/m; Power Drift = -0.01 dB

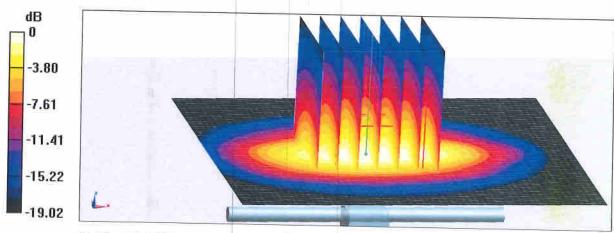
Peak SAR (extrapolated) = 19.6 W/kg

SAR(1 g) = 10 W/kg; SAR(10 g) = 5.07 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 51%

Maximum value of SAR (measured) = 15.9 W/kg



0 dB = 15.9 W/kg = 12.01 dBW/kg

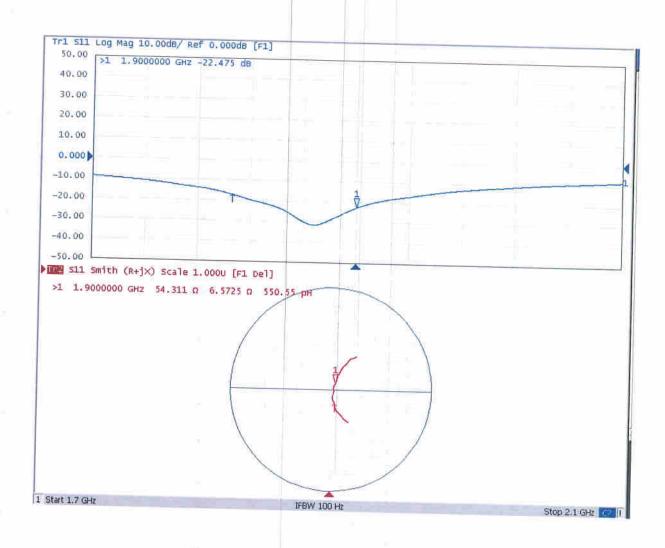
Certificate No: Z21-60553

Page 5 of 6



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Impedance Measurement Plot for Head TSL





D1900V2, Serial No. 5d182 Extended Dipole Calibrations

Referring to KDB 865664 D01, if dipoles are verified in return loss (<-20dB, within 20% of prior calibration), and in impedance (within 5 ohm of prior calibration), the annual calibration is not necessary and the calibration interval can be extended.

D1900V2 – serial no. 5d182						
	1900 Head					
Date of	Return-Loss	Return-Loss Delta Real Impedance Delta Imaginary Impedance Delta				
Measurement	(dB) (%) (ohm) (ohm) (ohm) (ohm)					(ohm)
2021.12.20	-22.5 54.3 6.57					
2022.12.19	-22.5	0.0	53.7	0.6	6.9	-0.33

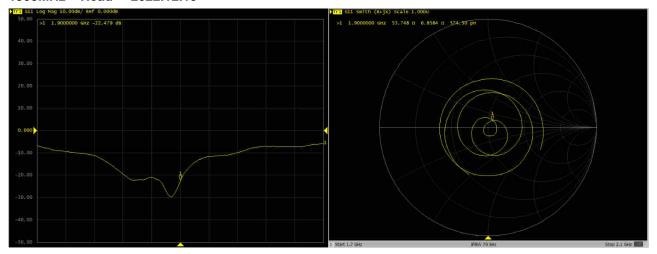
<Justification of the extended calibration>

The return loss is < -20dB, within 20% of prior calibration; the impedance is within 5 ohm of prior calibration. Therefore the verification result should support extended calibration.



Dipole Verification Data> D1900V2, serial no. 5d182

1900MHz - Head----2022.12.19









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http://www.caict.ac.cn

Client

Sporton

Certificate No:

Z22-60287

CALIBRATION CERTIFICATE

Object

D3900V2 - SN: 1022

Calibration Procedure(s)

FF-Z11-003-01

Calibration Procedures for dipole validation kits

Calibration date:

August 18, 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 (Calibrated by, Certificate No.)	Scheduled Calibration
Power Meter NRP2	106277	24-Sep-21 (CTTL, No.J21X08326)	Sep-22
Power sensor NRP8S	104291	24-Sep-21 (CTTL, No.J21X08326)	Sep-22
Reference Probe EX3DV4	SN 7464	26-Jan-22(SPEAG,No.EX3-7464_Jan22)	Jan-23
DAE4	SN 1556	12-Jan-22(CTTL-SPEAG,No.Z22-60007)	Jan-23
Secondary Standards	ID#	Cal Date (Calibrated by, Certificate No.)	Scheduled Calibration
Signal Generator E4438C	MY49071430	13-Jan-22 (CTTL, No.J22X00409)	Jan-23
Network Analyzer E5071C	MY46110673	14-Jan-22 (CTTL, No.J22X00406)	Jan-23

Name

Function

Signature

Calibrated by:

Zhao Jing

SAR Test Engineer

世光

Reviewed by:

Lin Hao

SAR Test Engineer

51

Approved by:

Qi Dianyuan

SAR Project Leader

Issued: August 23, 2022

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

Certificate No: Z22-60287





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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) 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-mounted 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"

Additional Documentation:

c) 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: Z22-60287 Page 2 of 6





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Measurement Conditions

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

DASY Version	DASY52	52.10.4
Extrapolation	Advanced Extrapolation	
Phantom	Triple Flat Phantom 5.1C	
Distance Dipole Center - TSL	10 mm	with Spacer
Zoom Scan Resolution	dx, dy = 4 mm, dz = 1.4 mm	Graded Ratio = 1.4 (Z direction)
Frequency	3900 MHz ±1 MHz	

Head TSL parameters at 3900MHz

The following parameters and calculations were applied

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 ℃	37.5	3.32 mho/m
Measured Head TSL parameters	(22.0 ±0.2) ℃	38.3 ±6 %	3.34 mho/m ±6 %
Head TSL temperature change during test	<1.0 ℃		

SAR result with Head TSL at 3900MHz

SAR averaged over 1 cm ³ (1 g) of Head TSL	Condition	
SAR measured	100 mW input power	6.62 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	66.4 W/kg ±24.4 % (k=2)
SAR averaged over 10 cm ³ (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	23.7 W/kg ±24.2 % (k=2)

Certificate No: Z22-60287 Page 3 of 6





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Appendix (Additional assessments outside the scope of CNAS L0570)

Antenna Parameters with Head TSL at 3900MHz

Impedance, transformed to feed point	47.1Ω- 5.11jΩ	
Return Loss	- 24.4dB	

General Antenna Parameters and Design

Electrical Delay (one direction)	1.010 ns

After long term use with 100W radiated power, only a slight warming of the dipole near the feed-point 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 feed-point may be damaged.

Additional EUT Data

Manufactured by	SPEAG
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Certificate No: Z22-60287 Page 4 of 6





Date: 2022-08-18

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http://www.caict.ac.cn

DASY5 Validation Report for Head TSL

Test Laboratory: CTTL, Beijing, China

DUT: Dipole 3900 MHz; Type: D3900V2; Serial: D3900V2 - SN: 1022

Communication System: UID 0, CW; Frequency: 3900 MHz; Duty Cycle: 1:1

Medium parameters used: f = 3900 MHz; $\sigma = 3.34 \text{ S/m}$; $\varepsilon_r = 38.29$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

Probe: EX3DV4 - SN7464; ConvF(6.76, 6.76, 6.76) @ 3900 MHz;
 Calibrated: 2022-01-26

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1556; Calibrated: 2022-01-12

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

DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Dipole Calibration /Pin=100mW, d=10mm, f=3900 MHz/Zoom Scan,

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

Reference Value = 64.46 V/m; Power Drift = -0.07 dB

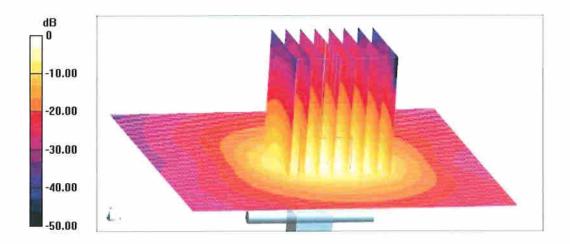
Peak SAR (extrapolated) = 17.4 W/kg

SAR(1 g) = 6.62 W/kg; SAR(10 g) = 2.36 W/kg

Smallest distance from peaks to all points 3 dB below = 8 mm

Ratio of SAR at M2 to SAR at M1 = 76.5%

Maximum value of SAR (measured) = 12.6 W/kg



0 dB = 12.6 W/kg = 11.00 dBW/kg

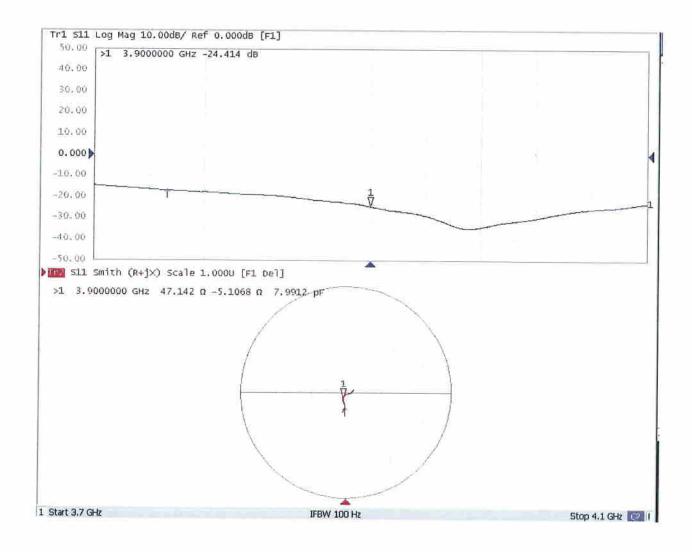
Certificate No: Z22-60287 Page 5 of 6



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Impedance Measurement Plot for Head TSL



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IMPORTANT NOTICE

USAGE OF THE DAE4

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

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

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

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

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

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

Important Note:

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

Important Note:

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

Important Note:

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

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





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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 Accreditation No.: SCS 0108

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Client

Sporton

Certificate No: DAE4-1210_Apr22

CALIBRATION CERTIFICATE

Object

DAE4 - SD 000 D04 BM - SN: 1210

Calibration procedure(s)

QA CAL-06.v30

Calibration procedure for the data acquisition electronics (DAE)

Calibration date:

April 12, 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 \pm 3)°C and humidity < 70%.

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID#	Cal Date (Certificate No.)	Scheduled Calibration
Keithley Multimeter Type 2001	SN: 0810278	31-Aug-21 (No:31368)	Aug-22
Secondary Standards	ID#	Check Date (in house)	Scheduled Check
Auto DAE Calibration Unit	SE UWS 053 AA 1001	24-Jan-22 (in house check)	In house check: Jan-23
Calibrator Box V2.1	SE UMS 006 AA 1002	24-Jan-22 (in house check)	In house check: Jan-23

Calibrated by:

Name

Function

Adrian Gehring

Laboratory Technician

Approved by:

Sven Kühn

Deputy Manager

Issued: April 12, 2022

Signature

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Certificate No: DAE4-1210_Apr22

Page 1 of 5

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





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Swiss Calibration Service

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Glossary

DAE

data acquisition electronics

Connector angle

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

coordinate system.

Methods Applied and Interpretation of Parameters

- DC Voltage Measurement: Calibration Factor assessed for use in DASY system by comparison with a calibrated instrument traceable to national standards. The figure given corresponds to the full scale range of the voltmeter in the respective range.
- Connector angle: The angle of the connector is assessed measuring the angle mechanically by a tool inserted. Uncertainty is not required.
- The following parameters as documented in the Appendix contain technical information as a result from the performance test and require no uncertainty.
 - DC Voltage Measurement Linearity: Verification of the Linearity at +10% and -10% of the nominal calibration voltage. Influence of offset voltage is included in this measurement.
 - Common mode sensitivity: Influence of a positive or negative common mode voltage on the differential measurement.
 - Channel separation: Influence of a voltage on the neighbor channels not subject to an input voltage.
 - AD Converter Values with inputs shorted: Values on the internal AD converter corresponding to zero input voltage
 - Input Offset Measurement: Output voltage and statistical results over a large number of zero voltage measurements.
 - Input Offset Current: Typical value for information; Maximum channel input offset current, not considering the input resistance.
 - Input resistance: Typical value for information: DAE input resistance at the connector, during internal auto-zeroing and during measurement.
 - Low Battery Alarm Voltage: Typical value for information. Below this voltage, a battery alarm signal is generated.
 - Power consumption: Typical value for information. Supply currents in various operating modes.

DC Voltage Measurement

A/D - Converter Resolution nominal

High Range: 1LSB =

 $1LSB = \qquad \quad 6.1 \mu V \; ,$

full range = -100...+300 mV

Low Range: 1LSB = 61

61nV ,

full range = -1.....+3mV

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

Calibration Factors	Х	Υ	Z
High Range	404.304 ± 0.02% (k=2)	405.025 ± 0.02% (k=2)	404.439 ± 0.02% (k=2)
Low Range	3.98747 ± 1.50% (k=2)	3.97254 ± 1.50% (k=2)	3.98649 ± 1.50% (k=2)

Connector Angle

Connector Angle to be used in DASY system	345.5 ° ± 1 °

Certificate No: DAE4-1210_Apr22

Appendix (Additional assessments outside the scope of SCS0108)

1. DC Voltage Linearity

High Range		Reading (μV)	Difference (μV)	Error (%)
Channel X	+ Input	200034.27	-4.82	-0.00
Channel X	+ Input	20007.80	1.97	0.01
Channel X	- Input	-20003.01	2.83	-0.01
Channel Y	+ Input	200040.96	6.66	0.00
Channel Y	+ Input	20003.50	-2.14	-0.01
Channel Y	- Input	-20008.78	-2.75	0.01
Channel Z	+ Input	200032.00	-2.42	-0.00
Channel Z	+ Input	20004.35	-1.29	-0.01
Channel Z	- Input	-20006.24	-0.09	0.00

Low Range		Reading (μV)	Difference (μV)	Error (%)
Channel X	+ Input	2001.09	-0.27	-0.01
Channel X	+ Input	201.46	0.11	0.06
Channel X	- Input	-198.65	0.03	-0.01
Channel Y	+ Input	2001.07	-0.17	-0.01
Channel Y	+ Input	200.38	-0.79	-0.39
Channel Y	- Input	-199.94	-1.09	0.55
Channel Z	+ Input	2001.26	0.13	0.01
Channel Z	+ Input	200.60	-0.46	-0.23
Channel Z	- Input	-199.35	-0.48	0.24

2. Common mode sensitivity

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

	Common mode Input Voltage (mV)	High Range Average Reading (μV)	Low Range Average Reading (μV)
Channel X	200	24.21	22.26
	- 200	-22.93	-23.92
Channel Y	200	-10.72	-10.99
	- 200	9.31	8.79
Channel Z	200	-15.35	-15.84
	- 200	14.57	14.52

3. Channel separation

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

	Input Voltage (mV)	Channel X (μV)	Channel Υ (μV)	Channel Z (μV)
Channel X	200	-	2.48	-3.75
Channel Y	200	7.94	-	3.86
Channel Z	200	9.70	6.29	-

Certificate No: DAE4-1210_Apr22

4. AD-Converter Values with inputs shorted

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

	High Range (LSB)	Low Range (LSB)
Channel X	15716	15644
Channel Y	16222	16304
Channel Z	15930	16151

5. Input Offset Measurement

DASY measurement parameters: Auto Zero Time: 3 sec; Measuring time: 3 sec Input $10M\Omega$

	Average (μV)	min. Offset (μV)	max. Offset (μV)	Std. Deviation (μV)
Channel X	1.09	-1.13	2.70	0.57
Channel Y	-0.58	-1.47	0.64	0.43
Channel Z	-0.33	-2.37	0.63	0.44

6. Input Offset Current

Nominal Input circuitry offset current on all channels: <25fA

7. Input Resistance (Typical values for information)

	Zeroing (kOhm)	Measuring (MOhm)
Channel X	200	200
Channel Y	200	200
Channel Z	200	200

8. Low Battery Alarm Voltage (Typical values for information)

Typical values	Alarm Level (VDC)	
Supply (+ Vcc)	+7.9	
Supply (- Vcc)	-7.6	

9. Power Consumption (Typical values for information)

Typical values	Switched off (mA)	Stand by (mA)	Transmitting (mA)
Supply (+ Vcc)	+0.01	+6	+14
Supply (- Vcc)	-0.01	-8	-9

Page 5 of 5

Certificate No: DAE4-1210_Apr22

Calibration Laboratory of Schmid & Partner Engineering AG





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Accreditation No.: SCS 0108

Client

Sporton

Certificate No

EX-7576 Jul22

CALIBRATION CERTIFICATE

Object

EX3DV4 - SN:7576

Calibration procedure(s)

QA CAL-01.v9, QA CAL-12.v9, QA CAL-14.v6, QA CAL-23.v5,

QA CAL-25.v7

Calibration procedure for dosimetric E-field probes

Calibration date

July 28, 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) ℃ and humidity < 70%.

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID.	Cal Date (Certificate No.)	Scheduled Calibration
Power meter NRP	SN: 104778	04-Apr-22 (No. 217-03525/03524)	Apr-23
Power sensor NRP-Z91	SN: 103244	04-Apr-22 (No. 217-03524)	Apr-23
OCP DAK-3.5 (weighted)	SN: 1249	20-Oct-21 (OCP-DAK3.5-1249 Oct21)	Oct-22
OCP DAK-12	SN: 1016	20-Oct-21 (OCP-DAK12-1016_Oct21)	Oct-22
Reference 20 dB Attenuator	SN: CC2552 (20x)	04-Apr-22 (No. 217-03527)	Apr-23
DAE4	SN: 660	13-Oct-21 (No. DAE4-660_Oct21)	Oct-22
Reference Probe ES3DV2	SN: 3013	27-Dec-21 (No. ES3-3013 Dec21)	Dec-22

Secondary Standards	ID	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: GB41293874	06-Apr-16 (in house check Jun-22)	In house check: Jun-24
Power sensor E4412A	SN: MY41498087	06-Apr-16 (in house check Jun-22)	In house check: Jun-24
Power sensor E4412A	SN: 000110210	06-Apr-16 (in house check Jun-22)	In house check: Jun-24
RF generator HP 8648C	SN: US3642U01700	04-Aug-99 (in house check Jun-22)	In house check: Jun-24
Network Analyzer E8358A	SN: US41080477	31-Mar-14 (in house check Oct-20)	In house check: Oct-22

	Name	Function	Signature
Calibrated by	Joanna Lleshaj	Laboratory Technician	Athley
Approved by	Sven Kühn	Technical Manager	5

Issued: August 2, 2022

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Glossary

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

ConvF

sensitivity in TSL / NORMx,y,z

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 8

 θ rotation around an axis that is in the plane normal to probe axis (at measurement center), i.e., $\theta = 0$ is

normal to probe axis

Connector Angle

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

Calibration is Performed According to the Following Standards:

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

Parameters of Probe: EX3DV4 - SN:7576

Basic Calibration Parameters

	Sensor X	Sensor Y	Sensor Z	Unc (k = 2)
Norm $(\mu V/(V/m)^2)^A$	0.48	0.64	0.62	±10.1%
DCP (mV) ^B	100.3	98.0	100.0	±4.7%

Calibration Results for Modulation Response

UID	Communication System Name		Α	В	С	D	VR	Max	Max
			dB	dB√μV		dB	m۷	dev.	Unc ^E
									k = 2
0	CW	X	0.00	0.00	1.00	0.00	158.6	±3.5%	±4.7%
		Υ	0.00	0.00	1.00		166.1		
		Z	0.00	0.00	1.00	1	159.4		
10352	Pulse Waveform (200Hz, 10%)	X	58.00	102.00	23.00	10.00	60.0	±4.1%	±9.6%
		Υ	2.55	65.21	9.60		60.0		
		Z	20.00	89.09	19.27		60.0		
10353	Pulse Waveform (200Hz, 20%)	Х	20.00	93.69	20.49	6.99	80.0	±2.6%	±9.6%
		Υ	1.67	63.67	8.20		80.0		
		Z	20.00	91.49	19.40		80.0		
10354	Pulse Waveform (200Hz, 40%)	Х	20.00	116.97	29.92	3.98	95.0	±1.7%	±9.6%
		Υ	1.05	63.14	7.33		95.0		
		Z	20.00	100.53	22.36		95.0		
10355	Pulse Waveform (200Hz, 60%)	X	0.97	160.00	68.88	2.22	120.0	±2.0%	±9.6%
		Υ	0.74	63.62	7.08		120.0		
		Z	20.00	127.14	32.64		120.0		
10387	QPSK Waveform, 1 MHz	X	2.43	74.32	19.53	1.00	150.0	±3.1%	±9.6%
		Υ	1.63	66.38	14.91		150.0		
		Z	1.90	69.61	16.94		150.0		
10388	QPSK Waveform, 10 MHz	Х	3.38	76.44	20.15	0.00	150.0	±2.4%	±9.6%
		Υ	2.18	67.78	15.67		150.0		
		Z	2.65	71.71	17.80		150.0		
10396	64-QAM Waveform, 100 kHz	X	3.30	74.66	21.96	3.01	150.0	±2.1%	±9.6%
		Υ	2.92	71.15	19.47		150.0		
		Z	2.68	70.51	19.81		150.0		
10399	64-QAM Waveform, 40 MHz	X	3.91	69.70	17.54	0.00	150.0	±2.4%	±9.6%
		Υ	3.48	66.96	15.76		150.0		
1011:		Z	3.71	68.49	16.73	Ì	150.0		
10414	WLAN CCDF, 64-QAM, 40 MHz	X	5.10	66.84	16.56	0.00	150.0	±4.1%	±9.6%
		Υ	4.82	65.62	15.60		150.0		
		Z	4.83	65.78	15.86		150.0		

Note: For details on UID parameters see Appendix

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

 $^{^{\}rm A}$ The uncertainties of Norm X,Y,Z do not affect the ${\rm E}^2$ -field uncertainty inside TSL (see Page 5).

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

Parameters of Probe: EX3DV4 - SN:7576

Sensor Model Parameters

	C1 fF	C2 fF	α V ⁻¹	T1 msV ⁻²	T2 msV ⁻¹	T3 ms	T4 V ⁻²	T5 V ⁻¹	Т6
Х	47.1	360.29	37.61	11.22	0.20	5.10	0.00	0.42	1.01
у	40.4	308.37	36.84	16.10	0.00	4.98	1.30	0.18	1.01
Z	44.0	335.52	37.19	13.88	0.00	5.10	0.00	0.35	1.01

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle	-71.4°
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.

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Parameters of Probe: EX3DV4 - SN:7576

Calibration Parameter Determined in Head Tissue Simulating Media

f (MHz) ^C	Relative Permittivity ^F	Conductivity ^F (S/m)	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc (k = 2)
750	41.9	0.89	10.72	10.72	10.72	0.48	0.80	±12.0%
835	41.5	0.90	10.47	10.47	10.47	0.42	0.80	±12.0%
900	41.5	0.97	10.18	10.18	10.18	0.38	0.91	±12.0%
1640	40.2	1.31	9.05	9.05	9.05	0.34	0.86	±12.0%
1750	40.1	1.37	8.98	8.98	8.98	0.31	0.86	±12.0%
1900	40.0	1.40	8.55	8.55	8.55	0.29	0.86	±12.0%
2000	40.0	1.40	8.39	8.39	8.39	0.32	0.86	±12.0%
2450	39.2	1.80	7.88	7.88	7.88	0.38	0.90	±12.0%
2600	39.0	1.96	7.59	7.59	7.59	0.42	0.90	±12.0%
3300	38.2	2.71	7.03	7.03	7.03	0.30	1.35	±13.1%
3500	37.9	2.91	6.76	6.76	6.76	0.30	1.35	±13.1%
3700	37.7	3.12	6.73	6.73	6.73	0.30	1.35	±13.1%
3900	37.5	3.32	6.53	6.53	6.53	0.40	1.40	±13.1%
4100	37.2	3.53	6.40	6.40	6.40	0.40	1.40	±13.1%
4400	36.9	3.84	6.15	6.15	6.15	0.40	1.60	±13.1%
4600	36.7	4.04	6.05	6.05	6.05	0.40	1.60	±13.1%
4800	36.4	4.25	5.90	5.90	5.90	0.40	1.80	±13.1%
4950	36.3	4.40	5.61	5.61	5.61	0.40	1.80	±13.1%
5250	35.9	4.71	5.29	5.29	5.29	0.40	1.80	±13.1%
5600	35.5	5.07	4.68	4.68	4.68	0.40	1.80	±13.1%
5750	35.4	5.22	4.88	4.88	4.88	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.

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

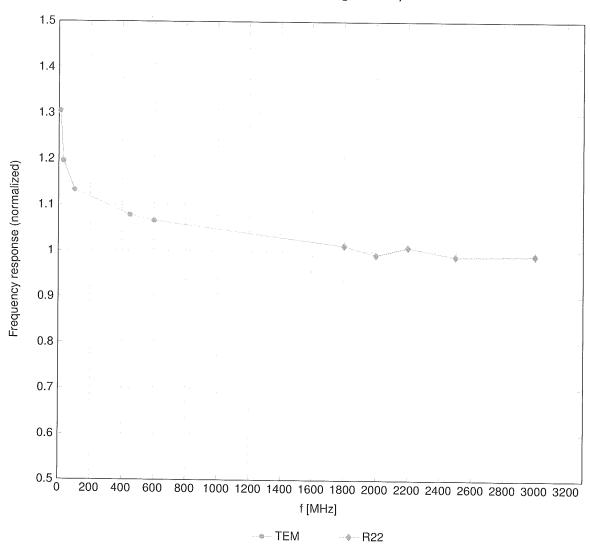
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values. At frequencies above 3 GHz, the validity of tissue parameters (ε and σ) is restricted to $\pm 5\%$. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters.

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.

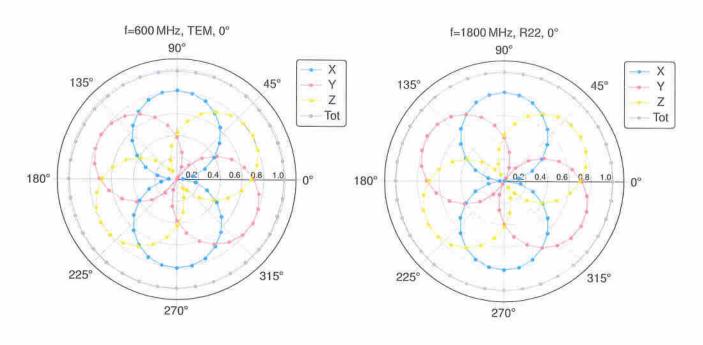
Frequency Response of E-Field

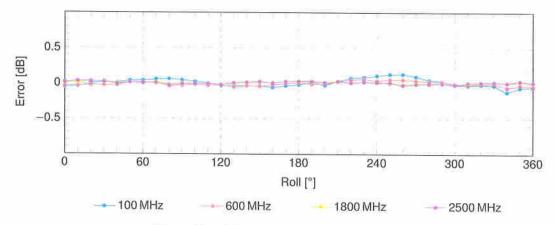
(TEM-Cell:ifi110 EXX, Waveguide:R22)



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

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

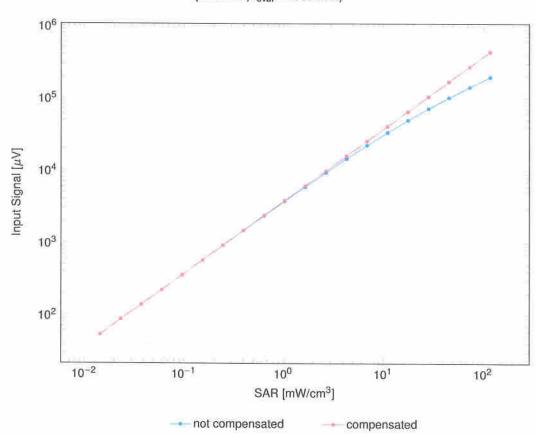


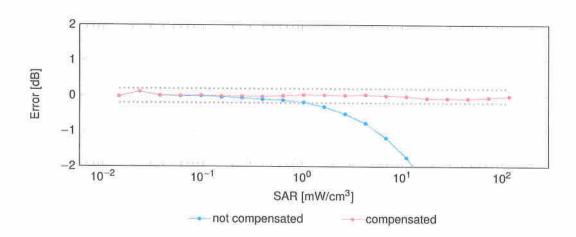


Uncertainty of Axial Isotropy Assessment: ±0.5% (k=2)

Dynamic Range f(SAR_{head})

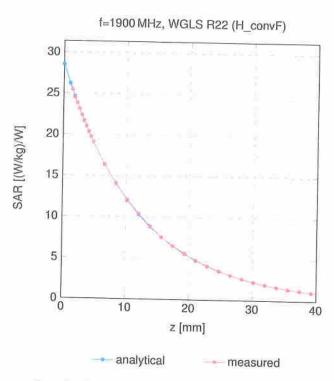
(TEM cell, f_{eval} = 1900 MHz)



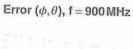


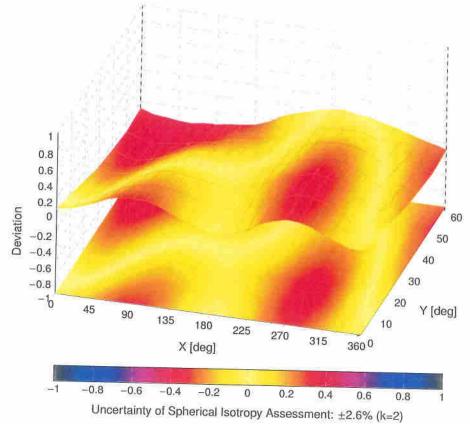
Uncertainty of Linearity Assessment: ±0.6% (k=2)

Conversion Factor Assessment



Deviation from Isotropy in Liquid





Appendix: Modulation Calibration Parameters

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E $k = 2$
0		CW	CW	0.00	±4.7
10010	CAA	SAR Validation (Square, 100 ms, 10 ms)	Test	10.00	±9.6
10011	CAB	UMTS-FDD (WCDMA)	WCDMA	2.91	±9.6
10012	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)	WLAN	1.87	±9.6
10013	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps)	WLAN	9.46	±9.6
10021	DAC	GSM-FDD (TDMA, GMSK)	GSM	9.39	±9.6
10023	DAC	GPRS-FDD (TDMA, GMSK, TN 0)	GSM	9.57	±9.6
10024	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	GSM	6.56	±9.6
10025	DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	GSM	12.62	±9.6
10026	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	GSM	9.55	±9.6
10027	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	GSM	4.80	±9.6
10028	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	GSM	3.55	±9.6
10029	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	GSM	7.78	±9.6
10030	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	Bluetooth	5.30	
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		±9.6
10035	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)		4.53	±9.6
10036	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	Bluetooth Bluetooth	3.83	±9.6
10037	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	Bluetooth	8.01	±9.6
10038	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	Bluetooth	4.77	±9.6
10039	CAB	CDMA2000 (1xRTT, RC1)	CDMA2000	4.10	±9.6
10042	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)	·	4.57	±9.6
10044	CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	AMPS	7.78	±9.6
10048	CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	AMPS	0.00	±9.6
10049	CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	DECT	13.80	±9.6
10056	CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	DECT	10.79	±9.6
10058	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	TD-SCDMA	11.01	±9.6
10059	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	GSM	6.52	±9.6
10060	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	WLAN	2.12	±9.6
10061	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	WLAN	2.83	±9.6
10062	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	WLAN	3.60	±9.6
10063	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	WLAN	8.68	±9.6
10064	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	WLAN	8.63	±9.6
10065	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	WLAN	9.09	±9.6
10066	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	WLAN	9.00	±9.6
10067	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	WLAN	9.38	±9.6
10068	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	WLAN	10.12	±9.6
10069	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 44 Mbps)	WLAN	10.24	±9.6
10071	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	WLAN	10.56	±9.6
10072	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	WLAN	9.83	±9.6
10073	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	WLAN	9.62	±9.6
10074	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)	WLAN	9.94	±9.6
10075	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	WLAN	10.30	±9.6
10076	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	WLAN	10.77	±9.6
10077	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	WLAN	10.94	±9.6
10081	CAB	CDMA2000 (1xRTT, RC3)	WLAN	11.00	±9.6
10082	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)	CDMA2000	3.97	±9.6
10090	DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	AMPS	4.77	±9.6
10097	CAC	UMTS-FDD (HSDPA)	GSM	6.56	±9.6
10098	DAC	UMTS-FDD (HSUPA, Subtest 2)	WCDMA	3.98	±9.6
10099	CAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	WCDMA	3.98	±9.6
10100	CAC	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	GSM	9.55	±9.6
10101	CAB	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK) LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-FDD	5.67	±9.6
10102	CAB	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM) LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-FDD	6.42	±9.6
10102	DAC	TTE-TDD (SC EDMA 100% PD COMM - CDC)	LTE-FDD	6.60	±9.6
10103	CAE	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-TDD	9.29	±9.6
10104	CAE	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-TDD	9.97	±9.6
10108	CAE	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-TDD	10.01	±9.6
10108		LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-FDD	5.80	±9.6
10110	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	±9.6
10111	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-FDD	5.75	±9.6
10111	UAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-FDD	6.44	±9.6

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UID	Rev	Communication Sustant No.			
10112		Communication System Name LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	Group	PAR (dB)	Unc ^E $k=2$
10113		LTE-FDD (SC-FDMA, 100% RB, 10MHz, 64-QAM) LTE-FDD (SC-FDMA, 100% RB, 5MHz, 64-QAM)	LTE-FDD	6.59	±9.6
10114			LTE-FDD	6.62	±9.6
10115			WLAN	8.10	±9.6
10116			WLAN	8.46	±9.6
10117		IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	WLAN	8.15	±9.6
10118		IEEE 802.11n (HT Mixed, 13.3 Mbps, 16-QAM)	WLAN	8.07	±9.6
10119		IEEE 802.11n (HT Mixed, 31 Mbps, 16-QAM)	WLAN	8.59	±9.6
10140		LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	WLAN	8.13	±9.6
10141	CAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-FDD	6.49	±9.6
10142		LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-FDD	6.53	±9.6
10143		LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-FDD	5.73	±9.6
10144		LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-FDD	6.35	±9.6
10145	CAC	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-FDD	6.65	±9.6
10146	CAC	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-FDD	5.76	±9.6
10147	CAC	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.41	±9.6
10149	CAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-FDD	6.72	±9.6
10150	CAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-FDD	6.42	±9.6
10151	CAE	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-FDD	6.60	±9.6
10152	CAE	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-TDD	9.28	±9.6
10153	CAE	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-TDD	9.92	±9.6
10154	CAF	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-TDD	10.05	±9.6
10155	CAF	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-FDD	5.75	±9.6
10156	CAF	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-FDD	6.43	±9.6
10157	CAE	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-FDD	5.79	±9.6
10158	CAE	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-FDD	6.49	±9.6
10159	CAG	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-FDD	6.62	±9.6
10160	CAG	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-FDD	6.56	±9.6
10161	CAG	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-FDD	5.82	±9.6
10162	CAG	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-FDD	6.43	±9.6
10166	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-FDD	6.58	±9.6
10167	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-FDD	5.46	±9.6
10168	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.21	±9.6
10169	CAG	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-FDD	6.79	±9.6
10170	CAG	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-FDD	5.73	±9.6
10171	CAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-FDD	6.52	±9.6
10172	CAE	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-TDD	6.49	±9.6
10173	CAE	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-TDD	9.21	±9.6
10174	CAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-TDD	9.48	±9.6
10175	CAF	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-FDD	5.72	±9.6
10176	CAF	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10177	CAE	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-FDD	5.73	±9.6
10178	CAE	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10179	AAE	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10180	CAG	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10181	CAG	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-FDD	5.72	±9.6
10182	CAG	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-FDD	6.52	±9.6 ±9.6
10183	CAG	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-FDD	6.50	
10184	CAG	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-FDD	5.73	±9.6 ±9.6
10185	CAI	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-FDD	6.51	±9.6
10186	CAG	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10187	CAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-FDD	5.73	±9.6
10188	CAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10189	CAE	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10193	CAE	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	WLAN	8.09	±9.6
10194	AAD	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	WLAN	8.12	±9.6
10195	CAE	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	WLAN	8.21	±9.6
101	CAE	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	WLAN	8.10	±9.6
10196					
10197	AAE	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	WLAN	8.13	+96 /
10197 10198	AAE CAF	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	WLAN WLAN	8.13 8.27	±9.6 ±9.6
10197 10198 10219	AAE CAF CAF	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM) IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)		8.27	±9.6
10197 10198 10219 10220	AAE CAF CAF AAF	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM) IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK) IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	WLAN		±9.6 ±9.6
10197 10198 10219 10220 10221	CAF CAF AAF CAC	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM) IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK) IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM) IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	WLAN WLAN	8.27 8.03	±9.6 ±9.6 ±9.6
10197 10198 10219 10220 10221 10222	AAE CAF CAF AAF CAC CAC	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM) IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK) IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM) IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM) IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	WLAN WLAN WLAN	8.27 8.03 8.13	±9.6 ±9.6 ±9.6 ±9.6
10197 10198 10219 10220 10221	AAE CAF AAF CAC CAC CAC	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM) IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK) IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM) IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	WLAN WLAN WLAN WLAN	8.27 8.03 8.13 8.27	±9.6 ±9.6 ±9.6

UID	Rev	Communication System Name	Current	545 (45)	11 F. 6
10225	CAD	UMTS-FDD (HSPA+)	Group WCDMA	PAR (dB)	Unc ^E $k=2$
10226	CAD	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-TDD	5.97	±9.6
10227	CAD	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-TDD	9.49	±9.6
10228	CAD	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-TDD	9.22	±9.6
10229	DAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-TDD	9.48	±9.6 ±9.6
10230	CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10231	CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-TDD	9.19	±9.6
10232	CAD	LTE-TDD (SC-FDMA, 1 RB, 5MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10233	CAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10234	CAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-TDD	9.21	±9.6
10235	CAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10236	CAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10237	CAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-TDD	9.21	±9.6
10238	CAB	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10239	CAB	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10240	CAB	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-TDD	9.21	±9.6
10241	CAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.82	±9.6
10242	CAD	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-TDD	9.86	±9.6
10243	CAD	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-TDD	9.46	±9.6
10244	CAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-TDD	10.06	±9.6
10245	CAG	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-TDD	10.06	±9.6
10246	CAG	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-TDD	9.30	±9.6
10247	CAG	LTE-TDD (SC-FDMA, 50% RB, 5MHz, 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, 5MHz, QPSK)	LTE-TDD	9.29	±9.6
10250	CAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-TDD	9.81	±9.6
10251	CAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-TDD	10.17	±9.6
10252	CAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-TDD	9.24	±9.6
10253	CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-TDD	9.90	±9.6
10254	CAB	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-TDD	10.14	±9.6
10255	CAB	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-TDD	9.20	±9.6
10256	CAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.96	±9.6
10257	CAD	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.08	±9.6
10258	CAD	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-TDD	9.34	±9.6
10259	CAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-TDD	9.98	±9.6
10260	CAG	LTE-TDD (SC-FDMA, 100% RB, 3MHz, 64-QAM)	LTE-TDD	9.97	±9.6
10261	CAG	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK) LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-TDD	9.24	±9.6
10263	CAG		LTE-TDD	9.83	±9.6
10264	CAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM) LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-TDD	10.16	±9.6
10265	CAG	LTE-TDD (SC-FDMA, 100% RB, 5MHz, QPSK) LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-TDD	9.23	±9.6
10266	CAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-TDD	9.92	±9.6
10267	CAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 84-QAM)	LTE-TDD	10.07	±9.6
10268	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-TDD	9.30	±9.6
10269	CAB	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-TDD	10.06	±9.6
10270	CAB	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-TDD LTE-TDD	10.13	±9.6
10274	CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)		9.58	±9.6
10275	CAD	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	WCDMA WCDMA	4.87	±9.6
10277	CAD	PHS (QPSK)	PHS	3.96 11.81	±9.6
10278	CAD	PHS (QPSK, BW 884 MHz, Rolloff 0.5)	PHS	11.81	±9.6
10279	CAG	PHS (QPSK, BW 884 MHz, Rolloff 0.38)	PHS	12.18	±9.6
10290	CAG	CDMA2000, RC1, SO55, Full Rate	CDMA2000	3.91	±9.6
10291	CAG	CDMA2000, RC3, SO55, Full Rate	CDMA2000	3.46	±9.6
10292	CAG	CDMA2000, RC3, SO32, Full Rate	CDMA2000	3.39	±9.6
10293	CAG	CDMA2000, RC3, SO3, Full Rate	CDMA2000	3.50	±9.6
10295	CAG	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	CDMA2000	12.49	±9.6
10297	CAF	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-FDD	5.81	±9.6
10298	CAF	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-FDD	5.72	±9.6
10299	CAF	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-FDD	6.39	±9.6
10300	CAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-FDD	6.60	±9.6
10301	CAC	IEEE 802.16e WiMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC)	WiMAX	12.03	±9.6
10301	CAB	IEEE 802.16e WiMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC, 3CTRL)	WiMAX	12.57	±9.6
10301					
	CAB	IEEE 802.16e WiMAX (31:15, 5 ms, 10 MHz, 64QAM, PUSC)	WiMAX	12.52	+9.6
10302 10303 10304		IEEE 802.16e WiMAX (29:18, 5 ms, 10 MHz, 64QAM, PUSC)		12.52 11.86	±9.6 ±9.6
10302 10303	CAB		WiMAX WiMAX WiMAX	12.52 11.86 15.24	±9.6 ±9.6 ±9.6

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E $k = 2$
10307	AAB	IEEE 802.16e WiMAX (29:18, 10 ms, 10 MHz, QPSK, PUSC)	WiMAX	14.49	±9.6
10308	AAB	IEEE 802.16e WiMAX (29:18, 10 ms, 10 MHz, 16QAM, PUSC)	WiMAX	14.46	±9.6
10309	AAB	IEEE 802.16e WiMAX (29:18, 10 ms, 10 MHz, 16QAM,AMC 2x3)	WiMAX	14.58	±9.6
10310	AAB	IEEE 802.16e WiMAX (29:18, 10 ms, 10 MHz, QPSK, AMC 2x3	WiMAX	14.57	±9.6
10311	AAB	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-FDD	6.06	±9.6
10313	AAD	IDEN 1:3	iDEN	10.51	±9.6
10314	AAD	iDEN 1:6	iDEN	13.48	±9.6
10315	AAD	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc dc)	WLAN	1.71	±9.6
10316	AAD	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc dc)	WLAN	8.36	±9.6
10317	AAA	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc dc)	WLAN	8.36	±9.6
10352	AAA	Pulse Waveform (200 Hz, 10%)	Generic	10.00	±9.6
10353	AAA	Pulse Waveform (200 Hz, 20%)	Generic	6.99	±9.6
10354	AAA	Pulse Waveform (200 Hz, 40%)	Generic	3.98	±9.6
10355	AAA	Pulse Waveform (200 Hz, 60%)	Generic	2.22	±9.6
10356	AAA	Pulse Waveform (200 Hz, 80%)	Generic	0.97	±9.6
10387	AAA	QPSK Waveform, 1 MHz	Generic	5.10	±9.6
10388	AAA	QPSK Waveform, 10 MHz	Generic	5.22	±9.6
10396	AAA	64-QAM Waveform, 100 kHz	Generic	6.27	±9.6
10399	AAA	64-QAM Waveform, 40 MHz	Generic	6.27	±9.6
10400	AAD	IEEE 802.11ac WiFi (20 MHz, 64-QAM, 99pc dc)	WLAN	8.37	±9.6
10401	AAA	IEEE 802.11ac WiFi (40 MHz, 64-QAM, 99pc dc)	WLAN	8.60	±9.6
10402	AAA	IEEE 802.11ac WiFi (80 MHz, 64-QAM, 99pc dc)	WLAN	8.53	±9.6
10403	AAB	CDMA2000 (1xEV-DO, Rev. 0)	CDMA2000	3.76	±9.6
10404	AAB	CDMA2000 (1xEV-DO, Rev. A)	CDMA2000	3.77	±9.6
10406	AAD	CDMA2000, RC3, SO32, SCH0, Full Rate	CDMA2000	5.22	±9.6
10410	AAA	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Sub=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6
10414	AAA	WLAN CCDF, 64-QAM, 40 MHz	Generic	8.54	±9.6
10415	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc dc)	WLAN	1.54	±9.6
10416	AAA	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc dc)	WLAN	8.23	±9.6
10417	AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc dc)	WLAN	8.23	±9.6
10418	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Long)	WLAN	8.14	±9.6
10419	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Short)	WLAN	8.19	±9.6
10422	AAA	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	WLAN	8.32	±9.6
10423	AAA	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	WLAN	8.47	±9.6
10424	AAE	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	WLAN	8.40	±9.6
10425	AAE	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	WLAN	8.41	±9.6
10426	AAE	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	WLAN	8.45	±9.6
10427	AAB	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	WLAN	8.41	±9.6
10430	AAB	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	LTE-FDD	8.28	±9.6
10431	AAC	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	LTE-FDD	8.38	±9.6
10432	AAB	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	LTE-FDD	8.34	±9.6
10433	AAC	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	LTE-FDD	8.34	±9.6
10434	AAG	W-CDMA (BS Test Model 1, 64 DPCH)	WCDMA	8.60	±9.6
10435	AAA	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub)	LTE-TDD	7.82	±9.6
10447	AAA	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.56	±9.6
10448	AAA	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, 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	AAA	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.48	±9.6
10451	AAA	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	WCDMA	7.59	±9.6
10453	AAC	Validation (Square, 10 ms, 1 ms)	Test	10.00	±9.6
10456	AAC	IEEE 802.11ac WiFi (160 MHz, 64-QAM, 99pc dc)	WLAN	8.63	±9.6
10457	AAC	UMTS-FDD (DC-HSDPA)	WCDMA	6.62	±9.6
10458	AAC	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	CDMA2000	6.55	±9.6
10459	AAC	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	CDMA2000	8.25	±9.6
10460	AAC	UMTS-FDD (WCDMA, AMR)	WCDMA	2.39	±9.6
10461	AAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Sub)	LTE-TDD	7.82	±9.6
10462	AAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Sub)	LTE-TDD	8.30	±9.6
10463	AAD	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Sub)	LTE-TDD	8.56	±9.6
10.1		LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Sub)	LTE-TDD	7.82	±9.6
10464	AAD				
10465	AAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	±9.6
10465 10466	AAC AAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Sub) LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Sub)		8.32 8.57	±9.6 ±9.6
10465 10466 10467	AAC AAC AAA	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Sub) LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Sub) LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub)	LTE-TDD		
10465 10466 10467 10468	AAC AAC AAA AAF	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Sub) LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Sub) LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub) LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Sub)	LTE-TDD	8.57	±9.6
10465 10466 10467 10468 10469	AAC AAC AAA AAF AAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Sub) LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Sub) LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub) LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Sub) LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Sub)	LTE-TDD LTE-TDD LTE-TDD	8.57 7.82	±9.6 ±9.6
10465 10466 10467 10468	AAC AAC AAA AAF	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Sub) LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Sub) LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub) LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Sub)	LTE-TDD LTE-TDD LTE-TDD LTE-TDD	8.57 7.82 8.32	±9.6 ±9.6 ±9.6

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E $k = 2$
10472	AAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	±9.6
10473	AAA	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Sub)	LTE-TDD	7.82	±9.6
10474	AAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	±9.6
10475	AAD	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	±9.6
10477	AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	±9.6
10478	AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	±9.6
10479	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Sub)	LTE-TDD	7.74	±9.6
10480	AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Sub)	LTE-TDD	8.18	±9.6
10481	AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Sub)	LTE-TDD	8.45	±9.6
10482	AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Sub)	LTE-TDD	7.71	±9.6
10484	AAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, Sub) LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Sub)	LTE-TDD	8.39	±9.6
10485	AAB	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Sub)	LTE-TDD	8.47	±9.6
10486	AAB	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Sub)	LTE-TDD	7.59	±9.6
10487	AAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Sub)	LTE-TDD	8.38	±9.6
10488	AAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Sub)	LTE-TDD	8.60	±9.6
10489	AAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Sub)	LTE-TDD	7.70	±9.6
10490	AAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Sub)	LTE-TDD	8.31 8.54	±9.6
10491	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Sub)	LTE-TDD	7.74	±9.6
10492	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Sub)	LTE-TDD	8.41	±9.6
10493	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Sub)	LTE-TDD	8.55	±9.6 ±9.6
10494	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Sub)	LTE-TDD	7.74	±9.6
10495	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Sub)	LTE-TDD	8.37	±9.6
10496	AAE	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Sub)	LTE-TDD	8.54	±9.6
10497	AAE	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Sub)	LTE-TDD	7.67	±9.6
10498	AAE	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Sub)	LTE-TDD	8.40	±9.6
10499	AAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Sub)	LTE-TDD	8.68	±9.6
10500	AAF	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Sub)	LTE-TDD	7.67	±9.6
10501	AAF	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Sub)	LTE-TDD	8.44	±9.6
10502	AAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Sub)	LTE-TDD	8.52	±9.6
10503	AAB	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Sub)	LTE-TDD	7.72	±9.6
10504	AAB	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Sub)	LTE-TDD	8.31	±9.6
10505	AAC	LTE-TDD (SC-FDMA, 100% RB, 5MHz, 64-QAM, UL Sub)	LTE-TDD	8.54	±9.6
10507	AAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Sub)	LTE-TDD	7.74	±9.6
10508	AAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Sub) LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Sub)	LTE-TDD	8.36	±9.6
10509	AAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Sub)	LTE-TDD	8.55	±9.6
10510	AAF	LTE-TDD (SC-FDMA, 100% RB, 15MHz, 16-QAM, UL Sub)	LTE-TDD	7.99	±9.6
10511	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Sub)	LTE-TDD	8.49	±9.6
10512	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Sub)	LTE-TDD	8.51	±9.6
10513	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Sub)	LTE-TDD	7.74 8.42	±9.6
10514	AAE	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Sub)	LTE-TDD	8.45	±9.6
10515	AAE	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2Mbps, 99pc dc)	WLAN	1.58	±9.6 ±9.6
10516	AAE	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc dc)	WLAN	1.57	±9.6
10517	AAF	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc dc)	WLAN	1.58	±9.6
10518	AAF	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc dc)	WLAN	8.23	±9.6
10519	AAF	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc dc)	WLAN	8.39	±9.6
10520	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc dc)	WLAN	8.12	±9.6
10521	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc dc)	WLAN	7.97	±9.6
10522	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc dc)	WLAN	8.45	±9.6
10523 10524	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 AAF	IEEE 802.11ac WiFi (20 MHz, MCS0, 99pc dc)	WLAN	8.36	±9.6
10528	AAF	IEEE 802.11ac WiFi (20 MHz, MCS1, 99pc dc) IEEE 802.11ac WiFi (20 MHz, MCS2, 99pc dc)	WLAN	8.42	±9.6
10527	AAF	IEEE 802.11ac WiFi (20 MHz, MCS2, 99pc dc)	WLAN	8.21	±9.6
10529	AAF	IEEE 802.11ac WiFi (20 MHz, MCS3, 99pc dc)	WLAN	8.36	±9.6
10531	AAF	IEEE 802.11ac WiFi (20 MHz, MCS4, 99pc dc)	WLAN	8.36	±9.6
10532	AAF	IEEE 802.11ac WiFi (20 MHz, MCS7, 99pc dc)	WLAN WLAN	8.43	±9.6
10533	AAE	IEEE 802.11ac WiFi (20 MHz, MCS8, 99pc dc)	WLAN	8.29	±9.6
10534	AAE	IEEE 802.11ac WiFi (40 MHz, MCS0, 99pc dc)	WLAN	8.38	±9.6
10535	AAE	IEEE 802.11ac WiFi (40 MHz, MCS1, 99pc dc)	WLAN	8.45	±9.6
10536	AAF	IEEE 802.11ac WiFi (40 MHz, MCS2, 99pc dc)	WLAN	8.45 8.32	±9.6
10537	AAF	IEEE 802.11ac WiFi (40 MHz, MCS3, 99pc dc)	WLAN	8.44	±9.6
10538	AAF	IEEE 802.11ac WiFi (40 MHz, MCS4, 99pc dc)	WLAN	8.54	±9.6
10540	AAA	IEEE 802.11ac WiFi (40 MHz, MCS6, 99pc dc)	WLAN	8.39	±9.6
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UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E <i>k</i> = 2
1054			WLAN	8.46	±9.6
10542		1 1	WLAN	8.65	±9.6
10543			WLAN	8.65	±9.6
1054		[WLAN	8.47	±9.6
10545		IEEE 802.11ac WiFi (80 MHz, MCS1, 99pc dc)	WLAN	8.55	±9.6
10546		1 (55 mi iz, 11002, 35pc uc)	WLAN	8.35	±9.6
10547		IEEE 802.11ac WiFi (80 MHz, MCS3, 99pc dc)	WLAN	8.49	±9.6
10548		IEEE 802.11ac WiFi (80 MHz, MCS4, 99pc dc)	WLAN	8.37	±9.6
10550		IEEE 802.11ac WiFi (80 MHz, MCS6, 99pc dc)	WLAN	8.38	±9.6
10551		IEEE 802.11ac WiFi (80 MHz, MCS7, 99pc dc)	WLAN	8.50	±9.6
10552		IEEE 802.11ac WiFi (80 MHz, MCS8, 99pc dc)	WLAN	8.42	±9.6
10553		IEEE 802.11ac WiFi (80 MHz, MCS9, 99pc dc)	WLAN	8.45	±9.6
10554		IEEE 802.11ac WiFi (160 MHz, MCS0, 99pc dc)	WLAN	8.48	±9.6
10556		IEEE 802.11ac WiFi (160 MHz, MCS1, 99pc dc)	WLAN	8.47	±9.6
10557		IEEE 802.11ac WiFi (160 MHz, MCS2, 99pc dc)	WLAN	8.50	±9.6
10558		IEEE 802.11ac WiFi (160 MHz, MCS3, 99pc dc)	WLAN	8.52	±9.6
10556		IEEE 802.11ac WiFi (160 MHz, MCS4, 99pc dc)	WLAN	8.61	±9.6
10561		IEEE 802.11ac WiFi (160 MHz, MCS6, 99pc dc)	WLAN	8.73	±9.6
10562		IEEE 802.11ac WiFi (160 MHz, MCS7, 99pc dc)	WLAN	8.56	±9.6
10563		IEEE 802.11ac WiFi (160 MHz, MCS8, 99pc dc)	WLAN	8.69	±9.6
10564	_	IEEE 802.11ac WiFi (160 MHz, MCS9, 99pc dc)	WLAN	8.77	±9.6
10565		IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc dc)	WLAN	8.25	±9.6
10566		IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc dc)	WLAN	8.45	±9.6
10567		IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc dc)	WLAN	8.13	±9.6
10568		IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc dc)	WLAN	8.00	±9.6
10569		IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc dc)	WLAN	8.37	±9.6
10570		IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc dc)	WLAN	8.10	±9.6
10570	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc dc)	WLAN	8.30	±9.6
10572		IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc dc) IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc dc)	WLAN	1.99	±9.6
10573		IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc dc)	WLAN	1.99	±9.6
10574		IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc dc)	WLAN	1.98	±9.6
10575	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc dc)	WLAN	1.98	±9.6
10576	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc dc)	WLAN	8.59	±9.6
10577	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc dc)	WLAN	8.60	±9.6
10578	AAD	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc dc)	WLAN	8.70	±9.6
10579	AAD	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 16 Mbps, 90pc dc)	WLAN	8.49	±9.6
10580	AAD	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc dc)	WLAN	8.36	±9.6
10581	AAD	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc dc)	WLAN	8.76	±9.6
10582	AAD	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc dc)	WLAN WLAN	8.35	±9.6
10583	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc dc)	WLAN	8.67	±9.6
10584	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc dc)	WLAN	8.59	±9.6
10585	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc dc)	WLAN	8.60	±9.6
10586	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc dc)	WLAN	8.70	±9.6
10587	AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc dc)	WLAN	8.49	±9.6
10588	AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc dc)	WLAN	8.36	±9.6
10589	AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc dc)	WLAN	8.76 8.35	±9.6
10590	AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc dc)	WLAN	8.67	±9.6
10591	AAA	IEEE 802.11n (HT Mixed, 20 MHz, MCS0, 90pc dc)	WLAN	8.63	±9.6 ±9.6
10592	AAA	IEEE 802.11n (HT Mixed, 20 MHz, MCS1, 90pc dc)	WLAN	8.79	
10593	AAA	IEEE 802.11n (HT Mixed, 20 MHz, MCS2, 90pc dc)	WLAN	8.64	±9.6 ±9.6
10594	AAA	IEEE 802.11n (HT Mixed, 20 MHz, MCS3, 90pc dc)	WLAN	8.74	±9.6
10595	AAA	IEEE 802.11n (HT Mixed, 20 MHz, MCS4, 90pc dc)	WLAN	8.74	±9.6
10596	AAA	IEEE 802.11n (HT Mixed, 20 MHz, MCS5, 90pc dc)	WLAN	8.71	±9.6
10597	AAA	IEEE 802.11n (HT Mixed, 20 MHz, MCS6, 90pc dc)	WLAN	8.72	±9.6
10598	AAA	IEEE 802.11n (HT Mixed, 20 MHz, MCS7, 90pc dc)	WLAN	8.50	±9.6
10599	AAA	IEEE 802.11n (HT Mixed, 40 MHz, MCS0, 90pc dc)	WLAN	8.79	±9.6
10600	AAA	IEEE 802.11n (HT Mixed, 40 MHz, MCS1, 90pc dc)	WLAN	8.88	±9.6
10601	AAA	IEEE 802.11n (HT Mixed, 40 MHz, MCS2, 90pc dc)	WLAN	8.82	±9.6
10602	AAA	IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 90pc dc)	WLAN	8.94	±9.6
10603	AAA	IEEE 802.11n (HT Mixed, 40 MHz, MCS4, 90pc dc)	WLAN	9.03	±9.6
1 10001	AAA	IEEE 802.11n (HT Mixed, 40 MHz, MCS5, 90pc dc)	WLAN	8.76	±9.6
10604					
10605	AAA	IEEE 802.11n (HT Mixed, 40 MHz, MCS6, 90pc dc)	WLAN	8.97	+9.6
10605 10606	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS7, 90pc dc)	WLAN WLAN	8.97 8.82	±9.6 ±9.6
10605		IEEE 802.11n (HT Mixed, 40 MHz, MCS6, 90pc dc) IEEE 802.11n (HT Mixed, 40 MHz, MCS7, 90pc dc) IEEE 802.11ac WiFi (20 MHz, MCS0, 90pc dc) IEEE 802.11ac WiFi (20 MHz, MCS1, 90pc dc)			±9.6 ±9.6 ±9.6

UID	Rev	Communication System Name			
10609		IEEE 802.11ac WiFi (20 MHz, MCS2, 90pc dc)	Group	PAR (dB)	Unc ^E $k=2$
10610		IEEE 802.11ac WiFi (20 MHz, MCS3, 90pc dc)	WLAN	8.57	±9.6
10611	AAC	IEEE 802.11ac WiFi (20 MHz, MCS4, 90pc dc)	WLAN WLAN	8.78	±9.6
10612	AAC	IEEE 802.11ac WiFi (20 MHz, MCS5, 90pc dc)	WLAN	8.70	±9.6
10613	AAC	IEEE 802.11ac WiFi (20 MHz, MCS6, 90pc dc)	WLAN	8.77	±9.6
10614	AAC	IEEE 802.11ac WiFi (20 MHz, MCS7, 90pc dc)	WLAN	8.94	±9.6
10615	AAC	IEEE 802.11ac WiFi (20 MHz, MCS8, 90pc dc)	WLAN	8.59 8.82	±9.6
10616	AAC	IEEE 802.11ac WiFi (40 MHz, MCS0, 90pc dc)	WLAN	8.82	±9.6
10617	AAC	IEEE 802.11ac WiFi (40 MHz, MCS1, 90pc dc)	WLAN	8.81	±9.6
10618	AAC	IEEE 802.11ac WiFi (40 MHz, MCS2, 90pc dc)	WLAN	8.58	±9.6
10619		IEEE 802.11ac WiFi (40 MHz, MCS3, 90pc dc)	WLAN	8.86	±9.6
10620		IEEE 802.11ac WiFi (40 MHz, MCS4, 90pc dc)	WLAN	8.87	±9.6
10621	AAC	IEEE 802.11ac WiFi (40 MHz, MCS5, 90pc dc)	WLAN	8.77	±9.6
10622		IEEE 802.11ac WiFi (40 MHz, MCS6, 90pc dc)	WLAN	8.68	±9.6
10623	AAC	IEEE 802.11ac WiFi (40 MHz, MCS7, 90pc dc)	WLAN	8.82	±9.6
10624	AAC	IEEE 802.11ac WiFi (40 MHz, MCS8, 90pc dc)	WLAN	8.96	±9.6
10625	AAC	IEEE 802.11ac WiFi (40 MHz, MCS9, 90pc dc)	WLAN	8.96	±9.6
10626	AAC	IEEE 802.11ac WiFi (80 MHz, MCS0, 90pc dc)	WLAN	8.83	±9.6
10627	AAC	IEEE 802.11ac WiFi (80 MHz, MCS1, 90pc dc)	WLAN	8.88	±9.6
10628	AAC	IEEE 802.11ac WiFi (80 MHz, MCS2, 90pc dc)	WLAN	8.71	±9.6
10629	AAC	IEEE 802.11ac WiFi (80 MHz, MCS3, 90pc dc)	WLAN	8.85	±9.6
10630	AAC	IEEE 802.11ac WiFi (80 MHz, MCS4, 90pc dc)	WLAN	8.72	±9.6
10631	AAC	IEEE 802.11ac WiFi (80 MHz, MCS5, 90pc dc)	WLAN	8.81	±9.6
10632	AAC	IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc dc)	WLAN	8.74	±9.6
10633	AAC	IEEE 802.11ac WiFi (80 MHz, MCS7, 90pc dc)	WLAN	8.83	±9.6
10634	AAC	IEEE 802.11ac WiFi (80 MHz, MCS8, 90pc dc)	WLAN	8.80	±9.6
10635	AAC	IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc dc)	WLAN	8.81	±9.6
10636	AAC	IEEE 802.11ac WiFi (160 MHz, MCS0, 90pc dc)	WLAN	8.83	±9.6
10637	AAC	IEEE 802.11ac WiFi (160 MHz, MCS1, 90pc dc)	WLAN	8.79	±9.6
10638	AAC	IEEE 802.11ac WiFi (160 MHz, MCS2, 90pc dc)	WLAN	8.86	±9.6
10640	AAC	IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc dc)	WLAN	8.85	±9.6
10641	AAC	IEEE 802.11ac WiFi (160 MHz, MCS4, 90pc dc)	WLAN	8.98	±9.6
10642	AAC	IEEE 802.11ac WiFi (160 MHz, MCS5, 90pc dc) IEEE 802.11ac WiFi (160 MHz, MCS6, 90pc dc)	WLAN	9.06	±9.6
10643	AAC	IEEE 802.11ac WiFi (160 MHz, MCS6, 90pc dc)	WLAN	9.06	±9.6
10644	AAC	IEEE 802.11ac WiFi (160 MHz, MCS8, 90pc dc)	WLAN	8.89	±9.6
10645	AAC	IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc dc)	WLAN	9.05	±9.6
10646	AAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub=2,7)	WLAN	9.11	±9.6
10647	AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub=2,7)	LTE-TDD	11.96	±9.6
10648	AAC	CDMA2000 (1x Advanced)	LTE-TDD	11.96	±9.6
10652	AAC	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	CDMA2000	3.45	±9.6
10653	AAC	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.91	±9.6
10654	AAC	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)		7.42	±9.6
10655	AAC	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.96	±9.6
10658	AAC	Pulse Waveform (200 Hz, 10%)	LTE-TDD Test	7.21	±9.6
10659	AAC	Pulse Waveform (200 Hz, 20%)	Test	10.00	±9.6
10660	AAC	Pulse Waveform (200 Hz, 40%)	Test	6.99 3.98	±9.6
10661	AAC	Pulse Waveform (200 Hz, 60%)	Test	2.22	±9.6
10662	AAC	Pulse Waveform (200 Hz, 80%)	Test	0.97	±9.6 ±9.6
10670	AAC	Bluetooth Low Energy	Bluetooth	2.19	±9.6
10671	AAD	IEEE 802.11ax (20 MHz, MCS0, 90pc dc)	WLAN	9.09	±9.6
10672	AAD	IEEE 802.11ax (20 MHz, MCS1, 90pc dc)	WLAN	8.57	±9.6
10673	AAD	IEEE 802.11ax (20 MHz, MCS2, 90pc dc)	WLAN	8.78	±9.6
10674	AAD	IEEE 802.11ax (20 MHz, MCS3, 90pc dc)	WLAN	8.74	±9.6
10675	AAD	IEEE 802.11ax (20 MHz, MCS4, 90pc dc)	WLAN	8.90	±9.6
10676	AAD	IEEE 802.11ax (20 MHz, MCS5, 90pc dc)	WLAN	8.77	±9.6
10677	AAD	IEEE 802.11ax (20 MHz, MCS6, 90pc dc)	WLAN	8.73	±9.6
10678	AAD	IEEE 802.11ax (20 MHz, MCS7, 90pc dc)	WLAN	8.78	±9.6
10679	AAD	IEEE 802.11ax (20 MHz, MCS8, 90pc dc)	WLAN	8.89	±9.6
10680	AAD	IEEE 802.11ax (20 MHz, MCS9, 90pc dc)	WLAN	8.80	±9.6
10681 10682	AAG	IEEE 802.11ax (20 MHz, MCS10, 90pc dc)	WLAN	8.62	±9.6
10682	AAF AAA	IEEE 802.11ax (20 MHz, MCS11, 90pc dc)	WLAN	8.83	±9.6
10684	AAC	IEEE 802.11ax (20 MHz, MCS0, 99pc dc)	WLAN	8.42	±9.6
10685	AAC	IEEE 802.11ax (20 MHz, MCS1, 99pc dc)	WLAN	8.26	±9.6
	AAC	IEEE 802.11ax (20 MHz, MCS2, 99pc dc) IEEE 802.11ax (20 MHz, MCS3, 99pc dc)	WLAN	8.33	±9.6
10686		THE DAY OF THE PARTY OF THE PAR	WLAN	8.28	±9.6

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E $k=2$
10687			WLAN	8.45	±9.6
10688			WLAN	8.29	±9.6
10689		(25 171 12, 171 000, 55pc dc)	WLAN	8.55	±9.6
10690			WLAN	8.29	±9.6
10691			WLAN	8.25	±9.6
10692			WLAN	8.29	±9.6
10693		IEEE 802.11ax (20 MHz, MCS10, 99pc dc)	WLAN	8.25	±9.6
10694		IEEE 802.11ax (20 MHz, MCS11, 99pc dc)	WLAN	8.57	±9.6
10695		IEEE 802.11ax (40 MHz, MCS0, 90pc dc)	WLAN	8.78	±9.6
10696		IEEE 802.11ax (40 MHz, MCS1, 90pc dc)	WLAN	8.91	±9.6
10697	AAA	IEEE 802.11ax (40 MHz, MCS2, 90pc dc)	WLAN	8.61	±9.6
10698		IEEE 802.11ax (40 MHz, MCS3, 90pc dc)	WLAN	8.89	±9.6
10699		IEEE 802.11ax (40 MHz, MCS4, 90pc dc)	WLAN	8.82	±9.6
10700	AAA	IEEE 802.11ax (40 MHz, MCS5, 90pc dc)	WLAN	8.73	±9.6
10701	AAA	IEEE 802.11ax (40 MHz, MCS6, 90pc dc)	WLAN	8.86	±9.6
10702	AAA	IEEE 802.11ax (40 MHz, MCS7, 90pc dc)	WLAN	8.70	±9.6
10703	AAA	IEEE 802.11ax (40 MHz, MCS8, 90pc dc)	WLAN	8.82	±9.6
	AAA	IEEE 802.11ax (40 MHz, MCS9, 90pc dc)	WLAN	8.56	±9.6
10705	AAA	IEEE 802.11ax (40 MHz, MCS10, 90pc dc)	WLAN	8.69	±9.6
10706	AAC	IEEE 802.11ax (40 MHz, MCS11, 90pc dc)	WLAN	8.66	±9.6
10707	AAC	IEEE 802.11ax (40 MHz, MCS0, 99pc dc)	WLAN	8.32	±9.6
10708	AAC	IEEE 802.11ax (40 MHz, MCS1, 99pc dc)	WLAN	8.55	±9.6
10709	AAC	IEEE 802.11ax (40 MHz, MCS2, 99pc dc)	WLAN	8.33	±9.6
10710	AAC	IEEE 802.11ax (40 MHz, MCS3, 99pc dc)	WLAN	8.29	±9.6
10711	AAC	IEEE 802.11ax (40 MHz, MCS4, 99pc dc)	WLAN	8.39	±9.6
10713	AAC	IEEE 802.11ax (40 MHz, MCS5, 99pc dc)	WLAN	8.67	±9.6
10713	AAC	IEEE 802.11ax (40 MHz, MCS6, 99pc dc)	WLAN	8.33	±9.6
10715	AAC	IEEE 802.11ax (40 MHz, MCS7, 99pc dc)	WLAN	8.26	±9.6
10716	AAC	IEEE 802.11ax (40 MHz, MCS8, 99pc dc)	WLAN	8.45	±9.6
10717	AAC	IEEE 802.11ax (40 MHz, MCS9, 99pc dc)	WLAN	8.30	±9.6
10718	AAC	IEEE 802.11ax (40 MHz, MCS10, 99pc dc) IEEE 802.11ax (40 MHz, MCS11, 99pc dc)	WLAN	8.48	±9.6
10719	AAC		WLAN	8.24	±9.6
10720	AAC	IEEE 802.11ax (80 MHz, MCS0, 90pc dc)	WLAN	8.81	±9.6
10721	AAC	IEEE 802.11ax (80 MHz, MCS1, 90pc dc) IEEE 802.11ax (80 MHz, MCS2, 90pc dc)	WLAN	8.87	±9.6
10722	AAC	IEEE 802.11ax (80 MHz, MCS2, 90pc dc)	WLAN	8.76	±9.6
10723	AAC	IEEE 802.11ax (80 MHz, MCS4, 90pc dc)	WLAN	8.55	±9.6
10724	AAC	IEEE 802.11ax (80 MHz, MCS5, 90pc dc)	WLAN	8.70	±9.6
10725	AAC	IEEE 802.11ax (80 MHz, MCS6, 90pc dc)	WLAN	8.90	±9.6
10726	AAC	IEEE 802.11ax (80 MHz, MCS7, 90pc dc)	WLAN	8.74	±9.6
10727	AAC	IEEE 802.11ax (80 MHz, MCS8, 90pc dc)	WLAN	8.72	±9.6
10728	AAC	IEEE 802.11ax (80 MHz, MCS9, 90pc dc)	WLAN	8.66	±9.6
10729	AAC	IEEE 802.11ax (80 MHz, MCS9, 90pc dc)	WLAN	8.65	±9.6
10730	AAC	IEEE 802.11ax (80 MHz, MCS11, 90pc dc)	WLAN	8.64	±9.6
10731	AAC	IEEE 802.11ax (80 MHz, MCS0, 99pc dc)	WLAN	8.67	±9.6
10732	AAC	IEEE 802.11ax (80 MHz, MCS1, 99pc dc)	WLAN	8.42	±9.6
10733	AAC	IEEE 802.11ax (80 MHz, MCS2, 99pc dc)	WLAN	8.46	±9.6
10734	AAC	IEEE 802.11ax (80 MHz, MCS3, 99pc dc)	WLAN	8.40	±9.6
10735	AAC	IEEE 802.11ax (80 MHz, MCS4, 99pc dc)	WLAN	8.25	±9.6
10736	AAC	IEEE 802.11ax (80 MHz, MCS4, 99pc dc)	WLAN	8.33	±9.6
10737	AAC	IEEE 802.11ax (80 MHz, MCS6, 99pc dc)	WLAN	8.27	±9.6
10738	AAC	IEEE 802.11ax (80 MHz, MCS7, 99pc dc)	WLAN	8.36	±9.6
10739	AAC	IEEE 802.11ax (80 MHz, MCS8, 99pc dc)	WLAN	8.42	±9.6
10740	AAC	IEEE 802.11ax (80 MHz, MCS9, 99pc dc)	WLAN	8.29	±9.6
10741	AAC	IEEE 802.11ax (80 MHz, MCS10, 99pc dc)	WLAN	8.48	±9.6
10742	AAC	IEEE 802.11ax (80 MHz, MCS11, 99pc dc)	WLAN	8.40	±9.6
10743	AAC	IEEE 802.11ax (160 MHz, MCS0, 90pc dc)	WLAN	8.43	±9.6
10744	AAC	IEEE 802.11ax (160 MHz, MCS1, 90pc dc)	WLAN WLAN	8.94	±9.6
10745	AAC	IEEE 802.11ax (160 MHz, MCS2, 90pc dc)		9.16	±9.6
10746	AAC	IEEE 802.11ax (160 MHz, MCS3, 90pc dc)	WLAN WLAN	8.93	±9.6
10747	AAC	IEEE 802.11ax (160 MHz, MCS4, 90pc dc)		9.11	±9.6
10748	AAC	IEEE 802.11ax (160 MHz, MCS5, 90pc dc)	WLAN	9.04	±9.6
10749	AAC	IEEE 802.11ax (160 MHz, MCS6, 90pc dc)	WLAN WLAN	8.93	±9.6
10750	AAC	IEEE 802.11ax (160 MHz, MCS7, 90pc dc)	WLAN	8.90	±9.6
10751	AAC	IEEE 802.11ax (160 MHz, MCS8, 90pc dc)	WLAN	8.79	±9.6
10752	AAC	IEEE 802.11ax (160 MHz, MCS9, 90pc dc)	WLAN	8.82	±9.6
		,,,,,,,	VVLAIN	8.81	±9.6

UID	Rev	Communication System Name	Craun	DAD (ID)	I
10753	AAC	IEEE 802.11ax (160 MHz, MCS10, 90pc dc)	Group WLAN	PAR (dB)	Unc ^E $k=2$
10754	AAC		WLAN	9.00	±9.6
10755	AAC	IEEE 802.11ax (160 MHz, MCS0, 99pc dc)	WLAN	8.94 8.64	±9.6
10756	AAC	IEEE 802.11ax (160 MHz, MCS1, 99pc dc)	WLAN	8.77	±9.6
10757	AAC	IEEE 802.11ax (160 MHz, MCS2, 99pc dc)	WLAN		±9.6
10758	AAC	IEEE 802.11ax (160 MHz, MCS3, 99pc dc)	WLAN	8.77	±9.6
10759	AAC	IEEE 802.11ax (160 MHz, MCS4, 99pc dc)	WLAN	8.69 8.58	±9.6
10760	AAC	IEEE 802.11ax (160 MHz, MCS5, 99pc dc)	WLAN	8.49	±9.6
10761	AAC	IEEE 802.11ax (160 MHz, MCS6, 99pc dc)	WLAN	8.58	±9.6 ±9.6
10762	AAC	IEEE 802.11ax (160 MHz, MCS7, 99pc dc)	WLAN	8.49	
10763	AAC	IEEE 802.11ax (160 MHz, MCS8, 99pc dc)	WLAN	8.53	±9.6 ±9.6
10764	AAC	IEEE 802.11ax (160 MHz, MCS9, 99pc dc)	WLAN	8.54	±9.6
10765	AAC	IEEE 802.11ax (160 MHz, MCS10, 99pc dc)	WLAN	8.54	±9.6
10766	AAC	IEEE 802.11ax (160 MHz, MCS11, 99pc dc)	WLAN	8.51	±9.6
10767	AAC	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	7.99	±9.6
10768	AAC	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	±9.6
10769	AAC	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	±9.6
10770	AAC	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±9.6
10771	AAC	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±9.6
10772	AAC	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.23	±9.6
10773	AAC	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.03	±9.6
10774	AAC	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±9.6
10775	AAC	5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	±9.6
10776	AAC	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	±9.6
10777	AAC	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	±9.6
10778	AAC	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.34	±9.6
10779	AAC	5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.42	±9.6
10780	AAC	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	±9.6
10781 10782	AAC	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	±9.6
10782	AAC	5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.43	±9.6
10784	AAC	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	±9.6
10785	AAC	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.29	±9.6
10786	AAC	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.40	±9.6
10787	AAC	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.35	±9.6
10788	AAC	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.44	±9.6
10789	AAC	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	±9.6
10790	AAC	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.37	±9.6
10791	AAC	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.39	±9.6
10792	AAC	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.83	±9.6
10793	AAC	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.92	±9.6
10794	AAC	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.95	±9.6
10795	AAC	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	±9.6
10796	AAC	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.84	±9.6
10797	AAC	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	±9.6
10798	AAC	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.01	±9.6
10799	AAC	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	±9.6
10801	AAC	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	±9.6
10802	AAC	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	±9.6
10803	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.87	±9.6
10805	AAD	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	±9.6
10806	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10809	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.37	±9.6
10810	AAD	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10812	AAD	5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10817	AAD	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD 5G NR FR1 TDD	8.35	±9.6
10818	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	±9.6
10819	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.33	±9.6
	AAC	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.30	±9.6
10822	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	±9.6
	AAC	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	±9.6
	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.36 8.39	±9.6
	AAD	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.39	±9.6
	AAD	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.42	±9.6
10828	AAE	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.43	±9.6
				0.10	±9.6

1988 AAD 50 NR (CP-OFDM, 100% RB, 100MHz, OPSK, 50 NHz	UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k = 2
1983 AAD SA NR (CP OFEN IR R), ISMAE (DESK SINKE)	10829	AAD			` '	
10832 AAD SG NN (CP-OFOM, 1 RR, 25MHz, OPSK, 60 Mz) SG NN FRI TOD 7.73 4.96	10830	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz)			
1982 AAD SG NIN (PO-PORM, 1 PR. 20MHz, OPSK, 60 MHz) SG NIR FRI 1700 7.77 49.6 1983 AAD SG NIN (PO-PORM, 1 PR. 20MHz, OPSK, 60 MHz) SG NIR FRI 1700 7.75 49.6 1983 AAD SG NIN (PO-PORM, 1 PR. 20MHz, OPSK, 60 MHz) SG NIR FRI 1700 7.75 49.6 1983 AAD SG NIN (PO-PORM, 1 PR. 20MHz, OPSK, 60 MHz) SG NIR FRI 1700 7.76 49.6 19.6 19.8	10831	AAD				
10839 AAD SG NR (CP-OFDM, 1 RB, 20MHz, CPSK, 60 MHz) SG NR FRI TDD 7.75 49.6 10885 AAD SG NR (CP-OFDM, 1 RB, 30MHz, CPSK, 60 MHz) SG NR FRI TDD 7.76 49.6 10885 AAD SG NR (CP-OFDM, 1 RB, 50MHz, CPSK, 60 MHz) SG NR FRI TDD 7.66 49.6 10885 AAD SG NR (CP-OFDM, 1 RB, 50MHz, CPSK, 60 MHz) SG NR FRI TDD 7.68 49.6 10885 AAD SG NR (CP-OFDM, 1 RB, 50MHz, CPSK, 60 MHz) SG NR FRI TDD 7.67 49.6 10885 AAD SG NR (CP-OFDM, 1 RB, 50MHz, CPSK, 60 MHz) SG NR FRI TDD 7.67 49.6 10885 AAD SG NR (CP-OFDM, 1 RB, 50MHz, CPSK, 60 MHz) SG NR FRI TDD 7.67 49.6 10845 AAD SG NR (CP-OFDM, 1 RB, 50MHz, CPSK, 60 MHz) SG NR FRI TDD 7.67 49.6 10841 AAD SG NR (CP-OFDM, 1 RB, 50MHz, CPSK, 60 MHz) SG NR FRI TDD 7.67 49.6 10841 AAD SG NR (CP-OFDM, 1 RB, 50MHz, CPSK, 60 MHz) SG NR FRI TDD 7.67 49.6 10841 AAD SG NR (CP-OFDM, 1 RB, 50MHz, CPSK, 60 MHz) SG NR FRI TDD 7.67 49.6 10842 AAD SG NR (CP-OFDM, 50°R, 82 RB, 50MHz, CPSK, 60 MHz) SG NR FRI TDD 8.45 49.6 10842 AAD SG NR (CP-OFDM, 50°R, 82 RB, 50MHz, CPSK, 60 MHz) SG NR FRI TDD 8.41 49.6 10855 AAD SG NR (CP-OFDM, 50°R, 82 RB, 50MHz, CPSK, 60 MHz) SG NR FRI TDD 8.41 49.6 10855 AAD SG NR (CP-OFDM, 100°R, 82, 10MHz, CPSK, 60 MHz) SG NR FRI TDD 8.34 49.6 10855 AAD SG NR (CP-OFDM, 100°R, 82, 10MHz, CPSK, 60 MHz) SG NR FRI TDD 8.35 49.6 10856 AAD SG NR (CP-OFDM, 100°R, 82, 10MHz, CPSK, 60 MHz) SG NR FRI TDD 8.35 49.6 10856 AAD SG NR (CP-OFDM, 100°R, 82, 50MHz, CPSK, 60 MHz) SG NR FRI TDD 8.35 49.6 10856 AAD SG NR (CP-OFDM, 100°R, 82, 50MHz, CPSK, 60 MHz) SG NR FRI TDD 8.36 49.6 10856 AAD SG NR (CP-OFDM, 100°R, 82, 50MHz, CPSK, 60 MHz) SG NR FRI TDD 8.34 49.6 10856 AAD SG NR (CP-OFDM, 100°R, 82, 50MHz, CPSK, 60 MHz) SG NR FRI TDD 8.36 49.6 10856 AAD SG NR (CP-OFDM, 100°R, 82, 50MHz, CPSK, 60 MHz) SG NR FRI TDD 8.41 49.6 10856 AAD SG NR (CP-O	10832	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)			
10839 AAD SA NI (CP-OFDM, 1 PB, 30MHz, OPSK, 60 MHz) SG NI RFRI TDD 7.76 19.6 10886 AAE SG NI (CP-OFDM, 1 PB, 50MHz, OPSK, 60 MHz) SG NI RFRI TDD 7.66 49.6 10837 AAD SG NI R (CP-OFDM, 1 PB, 50MHz, OPSK, 60 MHz) SG NI R FRI TDD 7.66 49.6 10837 AAD SG NI R (CP-OFDM, 1 PB, 50MHz, OPSK, 60 MHz) SG NI R FRI TDD 7.76 49.6 10837 AAD SG NI R (CP-OFDM, 1 PB, 50MHz, OPSK, 60 MHz) SG NI R FRI TDD 7.76 49.6 10840 AAD SG NI R (CP-OFDM, 1 PB, 50MHz, OPSK, 60 MHz) SG NI R FRI TDD 7.77 49.6 10840 AAD SG NI R (CP-OFDM, 1 PB, 50MHz, OPSK, 60 MHz) SG NI R FRI TDD 7.77 49.6 10840 AAD SG NI R (CP-OFDM, 1 PB, 50MHz, OPSK, 60 MHz) SG NI R FRI TDD 7.77 49.6 10840 AAD SG NI R (CP-OFDM, 50 MB, 1 50MHz, OPSK, 60 MHz) SG NI R FRI TDD 7.71 49.6 10840 AAD SG NI R (CP-OFDM, 50 MB, 2 MBz, OPSK, 60 MHz) SG NI R FRI TDD 8.49 49.6 10840 AAD SG NI R (CP-OFDM, 50 MB, 2 MBz, OPSK, 60 MHz) SG NI R FRI TDD 8.41 49.6 10840 AAD SG NI R (CP-OFDM, 50 MB, 2 MBz, OPSK, 60 MHz) SG NI R FRI TDD 8.41 49.6 10840 AAD SG NI R (CP-OFDM, 50 MB, 2 MBz, OPSK, 60 MHz) SG NI R FRI TDD 8.44 49.6 10840 AAD SG NI R (CP-OFDM, 50 MB, 2 MBz, OPSK, 60 MHz) SG NI R FRI TDD 8.44 49.6 10855 AAD SG NI R (CP-OFDM, 100 MB, 2 MBz, OPSK, 60 MHz) SG NI R FRI TDD 8.34 49.6 10855 AAD SG NI R (CP-OFDM, 100 MB, 2 MBz, OPSK, 60 MHz) SG NI R FRI TDD 8.35 49.6 10855 AAD SG NI R (CP-OFDM, 100 MB, 2 MBz, OPSK, 60 MHz) SG NI R FRI TDD 8.35 49.6 10855 AAD SG NI R (CP-OFDM, 100 MB, 2 MBz, OPSK, 60 MHz) SG NI R FRI TDD 8.35 49.6 10855 AAD SG NI R (CP-OFDM, 100 MB, 2 MBz, OPSK, 60 MHz) SG NI R FRI TDD 8.36 49.6 10855 AAD SG NI R (CP-OFDM, 100 MB, 2 MBz, OPSK, 60 MHz) SG NI R FRI TDD 8.36 49.6 10855 AAD SG NI R (CP-OFDM, 100 MB, 2 MBz, OPSK, 60 MHz) SG NI R FRI TDD 8.36 49.6 10855 AAD SG NI R (CP-OFDM, 100 MBz, OPSK, 60 MHz) SG NI R FRI TDD		AAD				
10838 AAD 96 NR (CP-OFDM, 1 RB, 50MHz, CPSK, 60 MHz) 56 NR FRI TIDD 7.76 19.6 10837 AAD 56 NR (CP-OFDM, 1 RB, 50MHz, CPSK, 60 MHz) 56 NR FRI TIDD 7.66 19.6 10839 AAD 56 NR (CP-OFDM, 1 RB, 50MHz, CPSK, 60 MHz) 56 NR FRI TIDD 7.67 19.6 19.6 10839 AAD 56 NR (CP-OFDM, 1 RB, 50MHz, CPSK, 60 MHz) 56 NR FRI TIDD 7.77 19.9 19.8 10941 AAD 36 NR (CP-OFDM, 1 RB, 50MHz, CPSK, 60 MHz) 56 NR FRI TIDD 7.67 19.9 19.8 10941 AAD 36 NR (CP-OFDM, 1 RB, 100MHz, CPSK, 60 MHz) 56 NR FRI TIDD 7.77 19.8 19.8 10942 AAD 36 NR (CP-OFDM, 50° NR B, 15MHz, CPSK, 60 MHz) 56 NR FRI TIDD 5.49 19.8 10942 AAD 36 NR (CP-OFDM, 50° NR B, 15MHz, CPSK, 60 MHz) 56 NR FRI TIDD 5.49 19.8 10942 AAD 36 NR (CP-OFDM, 50° NR B, 50MHz, CPSK, 60 MHz) 56 NR FRI TIDD 5.49 19.8 10942 AAD 36 NR (CP-OFDM, 50° NR B, 30MHz, CPSK, 60 MHz) 56 NR FRI TIDD 5.49 41.8 56 NR FRI TIDD 5.40 41.8 56 NR FRI TIDD 5.40 41.8 56 NR FRI TIDD 5.40 41.8 56 NR FRI TIDD 5.35 49.8 56 NR FRI TIDD 5.36 49.8 56 NR FRI TIDD 5.37 49.8 56 NR FRI TIDD 5.36 49.8 56 NR FRI TIDD 5.37 49.8 56 NR FRI TIDD 5.36 49.8 56 NR FRI TIDD 5.37 49.8 56 NR FRI TIDD 5.38 49.8 56 NR FRI TIDD		AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD		
10837 AAD SG NR (CP-OFDM, 1 RB, SOMHZ, OPSK, 60 NHZ) SG NR FRI TDD 7,68 49,6 10839 AAD SG NR (CP-OFDM, 1 RB, SOMHZ, OPSK, 60 NHZ) SG NR FRI TDD 7,70 49,6 10849 AAD SG NR (CP-OFDM, 1 RB, SOMHZ, OPSK, 60 NHZ) SG NR FRI TDD 7,70 49,6 10840 AAD SG NR (CP-OFDM, 1 RB, SOMHZ, OPSK, 60 NHZ) SG NR FRI TDD 7,70 49,6 10840 AAD SG NR (CP-OFDM, 1 RB, SOMHZ, OPSK, 60 NHZ) SG NR FRI TDD 7,70 49,6 10840 AAD SG NR (CP-OFDM, 50°R, R1 SUNDAY, OPSK, 60 NHZ) SG NR FRI TDD 7,70 49,6 49,6 10840 AAD SG NR (CP-OFDM, 50°R, R1 SUNDAY, OPSK, 60 NHZ) SG NR FRI TDD 8,40 49,6 10840 AAD SG NR (CP-OFDM, 50°R, R1 SUNDAY, OPSK, 60 NHZ) SG NR FRI TDD 8,34 49,6 10845 AAD SG NR (CP-OFDM, 50°R, R1 SUNDAY, OPSK, 60 NHZ) SG NR FRI TDD 8,34 49,6 10855 AAD SG NR (CP-OFDM, 100°R, R1 SUNDAY, OPSK, 60 NHZ) SG NR FRI TDD 8,34 49,6 10855 AAD SG NR (CP-OFDM, 100°R, R1 SUNDAY, OPSK, 60 NHZ) SG NR FRI TDD 8,35 49,6 10855 AAD SG NR (CP-OFDM, 100°R, R1 SUNDAY, OPSK, 60 NHZ) SG NR FRI TDD 8,36 49,6 10855 AAD SG NR (CP-OFDM, 100°R, R1 SUNDAY, OPSK, 60 NHZ) SG NR FRI TDD 8,36 49,6 10855 AAD SG NR (CP-OFDM, 100°R, R1 SUNDAY, OPSK, 60 NHZ) SG NR FRI TDD 8,36 49,6 10856 AAD SG NR (CP-OFDM, 100°R, R1 SUNDAY, OPSK, 60 NHZ) SG NR FRI TDD 8,36 49,6 10856 AAD SG NR (CP-OFDM, 100°R, R8, 50 NHZ, OPSK, 60 NHZ) SG NR FRI TDD 8,36 49,6 10856 AAD SG NR (CP-OFDM, 100°R, R8, 50 NHZ, OPSK, 60 NHZ) SG NR FRI TDD 8,36 49,6 10856 AAD SG NR (CP-OFDM, 100°R, R8, 50 NHZ, OPSK, 60 NHZ) SG NR FRI TDD 8,44 49,6 10866 AAD SG NR (CP-OFDM, 100°R, R8, 50 NHZ, OPSK, 60 NHZ) SG NR FRI TDD 8,44 49,6 10866 AAD SG NR (CP-OFDM, 100°R, 88, 50 NHZ, OPSK, 60 NHZ) SG NR FRI TDD 8,44 49,6 10866 AAD SG NR (CP-OFDM, 100°R, 88, 50 NHZ, OPSK, 60 NHZ) SG NR FRI TDD 8,44 49,6 10866 AAD SG NR (CP-OFDM, 100°R, 88, 50 NHZ, OPSK, 60 NHZ) SG NR FRI TDD 8,44		AAD				
10839 AAD SC NR (CP-OFDM, 1RB, 90 MHz, OPSK, 60 MHz) SG NR FRI TDD 7.79 4.96 10840 AAD SG NR (CP-OFDM, 1RB, 90 MHz, OPSK, 60 MHz) SG NR FRI TDD 7.79 4.96 10841 AAD SG NR (CP-OFDM, 1RB, 100 MHz, OPSK, 60 MHz) SG NR FRI TDD 7.79 4.96 10841 AAD SG NR (CP-OFDM, 1RB, 100 MHz, OPSK, 60 MHz) SG NR FRI TDD 7.71 4.96 10841 AAD SG NR (CP-OFDM, 1896, 100 MHz, OPSK, 60 MHz) SG NR FRI TDD 8.41 4.95 10842 AAD SG NR (CP-OFDM, 50% RB, 15 MHz, OPSK, 60 MHz) SG NR FRI TDD 8.44 4.95 10846 AAD SG NR (CP-OFDM, 50% RB, 30 MHz, OPSK, 60 MHz) SG NR FRI TDD 8.44 4.95 10846 AAD SG NR (CP-OFDM, 100% RB, 30 MHz, OPSK, 60 MHz) SG NR FRI TDD 8.44 4.95 10855 AAD SG NR (CP-OFDM, 100% RB, 30 MHz, OPSK, 60 MHz) SG NR FRI TDD 8.34 4.95 10855 AAD SG NR (CP-OFDM, 100% RB, 30 MHz, OPSK, 60 MHz) SG NR FRI TDD 8.34 4.95 10855 AAD SG NR (CP-OFDM, 100% RB, 30 MHz, OPSK, 60 MHz) SG NR FRI TDD 8.36 4.96 10855 AAD SG NR (CP-OFDM, 100% RB, 30 MHz, OPSK, 60 MHz) SG NR FRI TDD 8.37 4.95 10855 AAD SG NR (CP-OFDM, 100% RB, 30 MHz, OPSK, 60 MHz) SG NR FRI TDD 8.36 4.96 10855 AAD SG NR (CP-OFDM, 100% RB, 30 MHz, OPSK, 60 MHz) SG NR FRI TDD 8.36 4.96 10856 AAD SG NR (CP-OFDM, 100% RB, 50 MHz, OPSK, 60 MHz) SG NR FRI TDD 8.36 4.96 10856 AAD SG NR (CP-OFDM, 100% RB, 50 MHz, OPSK, 60 MHz) SG NR FRI TDD 8.36 4.96 10856 AAD SG NR (CP-OFDM, 100% RB, 50 MHz, OPSK, 60 MHz) SG NR FRI TDD 8.41 4.96 10856 AAD SG NR (CP-OFDM, 100% RB, 50 MHz, OPSK, 60 MHz) SG NR FRI TDD 8.41 4.96 10856 AAD SG NR (CP-OFDM, 100% RB, 50 MHz, OPSK, 60 MHz) SG NR FRI TDD 8.41 4.96 10856 AAD SG NR (CP-OFDM, 100% RB, 50 MHz, OPSK, 60 MHz) SG NR FRI TDD 8.41 4.96 10856 AAD SG NR (CP-OFDM, 100% RB, 50 MHz, OPSK, 60 MHz) SG NR FRI TDD 8.41 4.96 10856 AAD SG NR (CP-OFDM, 100% RB, 50 MHz, OPSK, 100 MHz, OPSK, 100 MHz, OPSK, 100 MHz, OPSK, 100 MHz, OP						
10850 AAD SG NR (CP-OFDM, 188, 90MHz, OPSK, 60 MHz) SG NR FRI TDD 7,77 49,6 10841 AAD SG NR (CP-OFDM, 188, 90MHz, OPSK, 60 MHz) SG NR FRI TDD 7,77 49,6 10841 AAD SG NR (CP-OFDM, 50%, RB, 1814, CPSK, 60 MHz) SG NR FRI TDD 8,49 49,6 10844 AAD SG NR (CP-OFDM, 50%, RB, 1814, CPSK, 60 MHz) SG NR FRI TDD 8,49 49,6 10844 AAD SG NR (CP-OFDM, 50%, RB, 20MHz, OPSK, 60 MHz) SG NR FRI TDD 8,40 49,6 10846 AAD SG NR (CP-OFDM, 50%, RB, 20MHz, OPSK, 60 MHz) SG NR FRI TDD 8,34 4,6 6 10846 AAD SG NR (CP-OFDM, 50%, RB, 20MHz, OPSK, 60 MHz) SG NR FRI TDD 8,34 4,9 6 10856 AAD SG NR (CP-OFDM, 100%, RB, 150MHz, OPSK, 60 MHz) SG NR FRI TDD 8,34 4,9 6 10856 AAD SG NR (CP-OFDM, 100%, RB, 20MHz, OPSK, 60 MHz) SG NR FRI TDD 8,36 4,9 6 10856 AAD SG NR (CP-OFDM, 100%, RB, 20MHz, OPSK, 60 MHz) SG NR FRI TDD 8,36 4,9 6 10857 AAD SG NR (CP-OFDM, 100%, RB, 20MHz, OPSK, 60 MHz) SG NR FRI TDD 8,35 4,9 6 10858 AAD SG NR (CP-OFDM, 100%, RB, 20MHz, OPSK, 60 MHz) SG NR FRI TDD 8,36 4,9 6 10858 AAD SG NR (CP-OFDM, 100%, RB, 20MHz, OPSK, 60 MHz) SG NR FRI TDD 8,36 4,9 6 10858 AAD SG NR (CP-OFDM, 100%, RB, 20MHz, OPSK, 60 MHz) SG NR FRI TDD 8,34 4,9 6 10858 AAD SG NR (CP-OFDM, 100%, RB, 20MHz, OPSK, 60 MHz) SG NR FRI TDD 8,40 4,9 6 10858 AAD SG NR (CP-OFDM, 100%, RB, 20MHz, OPSK, 60 MHz) SG NR FRI TDD 8,41 4,9 6 10858 AAD SG NR (CP-OFDM, 100%, RB, 50 MHz, OPSK, 60 MHz) SG NR FRI TDD 8,40 4,9 6 10858 AAD SG NR (CP-OFDM, 100%, RB, 50 MHz, OPSK, 60 MHz) SG NR FRI TDD 8,40 4,9 6 10858 AAD SG NR (CP-OFDM, 100%, RB, 50 MHz, OPSK, 60 MHz) SG NR FRI TDD 8,40 4,9 6 10858 AAD SG NR (CP-OFDM, 100%, RB, 50 MHz, OPSK, 60 MHz) SG NR FRI TDD 8,40 4,9 6 10868 AAD SG NR (CP-OFDM, 100%, RB, 50 MHz, OPSK, 120 MHz) SG NR FRI TDD 8,40 4,9 6 10868 AAD SG NR (CP-OFDM, 100%, RB, 50 MHz, OPSK,				5G NR FR1 TDD		
10840 AAD SC NR (CP-OFDM, 1 RB, 90MHz, OPSK, 60 Mtz) SG NR FRI TDD 7.71 49.6 10841 AAD SG NR (CP-OFDM, 509, RB, 90MHz, OPSK, 60 Mtz) SG NR FRI TDD 8.49 49.6 49.6 10843 AAD SG NR (CP-OFDM, 509, RB, 90MHz, OPSK, 60 Mtz) SG NR FRI TDD 8.44 43.6 49.6 10846 AAD SG NR (CP-OFDM, 509, RB, 90MHz, OPSK, 60 Mtz) SG NR FRI TDD 8.44 43.6 49.6 10846 AAD SG NR (CP-OFDM, 509, RB, 90MHz, OPSK, 60 Mtz) SG NR FRI TDD 8.44 43.6 10846 AAD SG NR (CP-OFDM, 509, RB, 90MHz, OPSK, 60 Mtz) SG NR FRI TDD 8.44 43.6 10854 AAD SG NR (CP-OFDM, 1009, RB, 15MHz, OPSK, 60 Mtz) SG NR FRI TDD 8.36 49.6 10855 AAD SG NR (CP-OFDM, 1009, RB, 15MHz, OPSK, 60 Mtz) SG NR FRI TDD 8.36 49.6 10856 AAD SG NR (CP-OFDM, 1009, RB, 25MHz, OPSK, 60 Mtz) SG NR FRI TDD 8.37 49.6 10856 AAD SG NR (CP-OFDM, 1009, RB, 25MHz, OPSK, 60 Mtz) SG NR FRI TDD 8.37 49.6 10856 AAD SG NR (CP-OFDM, 1009, RB, 25MHz, OPSK, 60 Mtz) SG NR FRI TDD 8.36 49.6 10856 AAD SG NR (CP-OFDM, 1009, RB, 25MHz, OPSK, 60 Mtz) SG NR FRI TDD 8.36 49.6 10856 AAD SG NR (CP-OFDM, 1009, RB, 25MHz, OPSK, 60 Mtz) SG NR FRI TDD 8.36 49.6 10856 AAD SG NR (CP-OFDM, 1009, RB, 25MHz, OPSK, 60 Mtz) SG NR FRI TDD 8.41 49.6 10856 AAD SG NR (CP-OFDM, 1009, RB, 25MHz, OPSK, 60 Mtz) SG NR FRI TDD 8.41 49.6 10856 AAD SG NR (CP-OFDM, 1009, RB, 25MHz, OPSK, 60 Mtz) SG NR FRI TDD 8.41 49.6 10868 AAD SG NR (CP-OFDM, 1009, RB, 25MHz, OPSK, 60 Mtz) SG NR FRI TDD 8.41 49.6 10868 AAD SG NR (CP-OFDM, 1009, RB, 25MHz, OPSK, 60 Mtz) SG NR FRI TDD 8.41 49.6 10868 AAD SG NR (CP-OFDM, 1009, RB, 100MHz, OPSK, 60 Mtz) SG NR FRI TDD 8.41 49.6 10868 AAD SG NR (CP-OFDM, 1009, RB, 100MHz, OPSK, 60 Mtz) SG NR FRI TDD SG NR FR				5G NR FR1 TDD	7.70	
1984 AAD SG NR (CP-OFDM, 509; RB, 209Hz, CPSK, 60 kHz)			5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.67	±9.6
1984 AAD SG NR (CP-OFFDM, 50% RB, 20MHz, OPSK, 60 MHz)				5G NR FR1 TDD	7.71	±9.6
10846 AAD SG NR (CP-CPDM, 109% RB, 10MHz, CPSK, 60 Hz)				5G NR FR1 TDD	8.49	±9.6
10854 AAD SO NR (CP-OFDM, 100% RB, 15MHz, OPSK, 80 Hz)		ļ		5G NR FR1 TDD	8.34	±9.6
10855 AAD SG NR (CP-OFDM, 100% RB, 20MHz, OPSK, 60 Hz) SG NR FRI TDD 8.36 ±8.6 10857 AAD SG NR (CP-OFDM, 100% RB, 20MHz, OPSK, 60 Hz) SG NR FRI TDD 8.36 ±9.6 10858 AAD SG NR (CP-OFDM, 100% RB, 30 MHz, OPSK, 60 Hz) SG NR FRI TDD 8.36 ±9.6 10858 AAD SG NR (CP-OFDM, 100% RB, 30 MHz, OPSK, 60 Hz) SG NR FRI TDD 8.36 ±9.6 10859 AAD SG NR (CP-OFDM, 100% RB, 30 MHz, OPSK, 60 Hz) SG NR FRI TDD 8.36 ±9.6 10859 AAD SG NR (CP-OFDM, 100% RB, 50 MHz, OPSK, 60 Hz) SG NR FRI TDD 8.41 ±9.6 10859 AAD SG NR (CP-OFDM, 100% RB, 50 MHz, OPSK, 60 Hz) SG NR FRI TDD 8.41 ±9.6 10859 AAD SG NR (CP-OFDM, 100% RB, 60 MHz, OPSK, 60 Hz) SG NR FRI TDD 8.41 ±9.6 10859 AAD SG NR (CP-OFDM, 100% RB, 80 MHz, OPSK, 60 Hz) SG NR FRI TDD 8.41 ±9.6 10859 AAD SG NR (CP-OFDM, 100% RB, 80 MHz, OPSK, 60 Hz) SG NR FRI TDD 8.41 ±9.6 10855 AAD SG NR (CP-OFDM, 100% RB, 90 MHz, OPSK, 60 Hz) SG NR FRI TDD 8.41 ±9.6 10856 AAD SG NR (CP-OFDM, 100% RB, 90 MHz, OPSK, 60 Hz) SG NR FRI TDD 8.41 ±9.6 10856 AAD SG NR (CP-OFDM, 100% RB, 100 MHz, OPSK, 60 Hz) SG NR FRI TDD 8.41 ±9.6 10856 AAD SG NR (CP-OFDM, 100% RB, 100 MHz, OPSK, 60 Hz) SG NR FRI TDD 8.41 ±9.6 10856 AAD SG NR (CP-OFDM, 100% RB, 100 MHz, OPSK, 60 Hz) SG NR FRI TDD S68 ±9.6 10856 AAD SG NR (CP-OFDM, 100% RB, 100 MHz, OPSK, 60 Hz) SG NR FRI TDD S68 ±9.6 10857 AAD SG NR (CP-E-OFDM, 108% RB, 100 MHz, OPSK, 120 Hz) SG NR FRI TDD S68 ±9.6 10857 AAD SG NR (CP-E-OFDM, 108% RB, 100 MHz, OPSK, 120 Hz) SG NR FRI TDD S68 ±9.6 10870 AAD SG NR (CP-E-OFDM, 108% RB, 100 MHz, OPSK, 120 Hz) SG NR FRI TDD S.67 ±9.6 10870 AAD SG NR (CP-E-OFDM, 109% RB, 100 MHz, OPSK, 120 Hz) SG NR FRI TDD S.67 ±9.6 10870 AAD SG NR (CP-E-OFDM, 100% RB, 100 MHz, 100 M					8.41	±9.6
1985 AAD SG NR (CP-OFDM, 100% RB, 20MHz, QPSK, 60 kHz)				5G NR FR1 TDD	8.34	±9.6
1985 AAD SG NR (CP-OFDM, 100% RB, 20MHz, OPSK, 60 Hz) SG NR FRI TDD 8.35 49.6 1988 AAD SG NR (CP-OFDM, 100% RB, 30 MHz, OPSK, 60 Hz) SG NR FRI TDD 8.36 49.6 1988 AAD SG NR (CP-OFDM, 100% RB, 40 MHz, OPSK, 60 Hz) SG NR FRI TDD 8.41 49.6 1986 AAD SG NR (CP-OFDM, 100% RB, 60 MHz, OPSK, 60 Hz) SG NR FRI TDD 8.41 49.6 1986 AAD SG NR (CP-OFDM, 100% RB, 60 MHz, OPSK, 60 Hz) SG NR FRI TDD 8.41 49.6 1986 AAD SG NR (CP-OFDM, 100% RB, 60 MHz, OPSK, 60 Hz) SG NR FRI TDD 8.41 49.6 1986 AAD SG NR (CP-OFDM, 100% RB, 80 MHz, OPSK, 60 Hz) SG NR FRI TDD 8.41 49.6 1986 AAD SG NR (CP-OFDM, 100% RB, 80 MHz, OPSK, 60 Hz) SG NR FRI TDD 8.41 49.6 1986 AAD SG NR (CP-OFDM, 100% RB, 90 MHz, OPSK, 60 Hz) SG NR FRI TDD 8.41 49.6 1986 AAD SG NR (OPT-OFDM, 100% RB, 100 MHz, OPSK, 60 Hz) SG NR FRI TDD S.68 49.6 1986 AAD SG NR (OPT-S-OFDM, 170% RB, 100 MHz, OPSK, 30 Hz) SG NR FRI TDD S.68 49.6 1986 AAD SG NR (OPT-S-OFDM, 170% RB, 100 MHz, OPSK, 120 Hz) SG NR FRI TDD S.68 49.6 1987 AAD SG NR (OPT-S-OFDM, 170% RB, 100 MHz, OPSK, 120 Hz) SG NR FRI TDD S.69 49.6 1987 AAD SG NR (OPT-S-OFDM, 170% RB, 100 MHz, OPSK, 120 Hz) SG NR FRI TDD S.69 49.6 1987 AAD SG NR (OPT-S-OFDM, 170% RB, 100 MHz, OPSK, 120 Hz) SG NR FRI TDD S.75 49.6 1987 AAD SG NR (OPT-S-OFDM, 170% RB, 100 MHz, OPSK, 120 Hz) SG NR FRI TDD S.75 49.6 1987 AAD SG NR (OPT-S-OFDM, 170 Mg, 180 Mg, 100 MHz, 160 Mg, 120 Hz) SG NR FRI TDD S.75 49.6 1987 AAD SG NR (OPT-S-OFDM, 170 Mg, 180 Mg, 130 MHz, 160 Mg, 120 Hz) SG NR FRI TDD S.75 49.6 1987 AAD SG NR (OPT-S-OFDM, 170 Mg, 180 MHz, 160 Mg, 120 Hz) SG NR FRI TDD S.75 49.6 1987 AAD SG NR (OPT-S-OFDM, 170 Mg, 180 MHz, 160 Mg, 120 Hz) SG NR FRI TDD S.75 49.6 1987 AAD SG NR (OPT-S-OFDM, 170 Mg, 180 MHz, 180 MHz, 180 MHz, 180 Mtz) SG NR FRI TDD S.75 49.6 1987 AAD SG NR (OPT-S-OFDM, 170 Mg, 180 MH			5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)		8.36	±9.6
1985 AAD SG NR (CP-OFDM, 100% RB, 30MHz, OPSK, 60 kHz)			5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)		8.37	±9.6
1986 AAD SG NR (CP-OFDM, 100% RB, 50MHz, OPSK, 60 kHz)			FG NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)			±9.6
1980 AAD SG NR (CP-OFDM, 100% RB, 50MHz, OPSK, 60 kHz) SG NR FRI TDD 8.41 49.6 1986 AAD SG NR (CP-OFDM, 100% RB, 50MHz, OPSK, 60 kHz) SG NR FRI TDD 8.41 49.6 10864 AAD SG NR (CP-OFDM, 100% RB, 50MHz, OPSK, 60 kHz) SG NR FRI TDD 8.41 49.6 10864 AAD SG NR (CP-OFDM, 100% RB, 50MHz, OPSK, 60 kHz) SG NR FRI TDD 8.41 49.6 10864 AAD SG NR (CP-OFDM, 100% RB, 50MHz, OPSK, 60 kHz) SG NR FRI TDD 8.71 49.6 10865 AAD SG NR (CP-OFDM, 100% RB, 100 MHz, OPSK, 40 kHz) SG NR FRI TDD S.68 49.6 10866 AAD SG NR (CP-S-OFDM, 100% RB, 100 MHz, OPSK, 30 kHz) SG NR FRI TDD S.68 49.6 10868 AAD SG NR (CPT-s-OFDM, 100% RB, 100 MHz, OPSK, 120 kHz) SG NR FRI TDD S.68 49.6 10870 AAD SG NR (CPT-s-OFDM, 100% RB, 100 MHz, OPSK, 120 kHz) SG NR FRI TDD S.69 49.6 10871 AAD SG NR (CPT-s-OFDM, 100% RB, 100 MHz, OPSK, 120 kHz) SG NR FRI TDD S.68 49.6 10871 AAD SG NR (CPT-s-OFDM, 100% RB, 100 MHz, OPSK, 120 kHz) SG NR FRI TDD S.68 49.6 10873 AAD SG NR (CPT-s-OFDM, 100% RB, 100 MHz, OPSK, 120 kHz) SG NR FRI TDD S.68 49.6 10873 AAD SG NR (CPT-s-OFDM, 100% RB, 100 MHz, OPSK, 120 kHz) SG NR FRI TDD S.68 49.6 10873 AAD SG NR (CPT-s-OFDM, 100% RB, 100 MHz, SG NR SG NR SG NR FRI TDD S.65 49.6 10873 AAD SG NR (CPT-s-OFDM, 100% RB, 100 MHz, SG NR SG NR SG NR FRI TDD S.65 49.6 10873 AAD SG NR (CPT-s-OFDM, 100% RB, 100 MHz, SG NR SG NR SG NR FRI TDD S.65 49.6 10873 AAD SG NR (CPT-SOFDM, 100% RB, 100 MHz, SG NR SG NR SG NR FRI TDD S.65 49.6 10873 AAD SG NR (CPT-SOFDM, 180 NR B, 100 MHz, SG NR SG NR SG RF RI TDD S.65 49.6 10873 AAD SG NR (CPT-OFDM, 18R, 100 MHz, SG NR SG NR SG RF RI TDD S.75 49.6 10873 AAD SG NR (CPT-OFDM, 18R, 100 MHz, SG NR SG NR SG RF RI TDD S.75 49.6 10873 AAD SG NR (CPT-OFDM, 18R, 100 MHz, SG NR SG NR SG RF RI TDD S.75 49.6 10873 AAD SG NR (CPT-OFDM, 18R, 500 MHz, SG NR SG NR SG NR FRI TDD S.75 49.6		-				±9.6
10861 AAD SG NR (CP-OFDM, 100% RB, 60 MHz, OPSK, 60 kHz) SG NR FRI TDD S.40 19.6	<u> </u>		5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 KHz)			
1986 AAD S. G. NR (CP-OFDM, 100% RB, 90 MHz, OPSK, 60 kHz) S. G. NR FRI TDD 8.41 9.6 10865 AAD S. G. NR (CP-OFDM, 100% RB, 90 MHz, OPSK, 60 kHz) S. G. NR FRI TDD 8.41 9.6 10866 AAD S. G. NR (CP-OFDM, 100% RB, 100 MHz, OPSK, 80 kHz) S. G. NR FRI TDD S. 68 9.6 10868 AAD S. G. NR (DPT-s-OFDM, 100% RB, 100 MHz, OPSK, 30 kHz) S. G. NR FRI TDD S. 68 9.6 10868 AAD S. G. NR (DPT-s-OFDM, 100% RB, 100 MHz, OPSK, 30 kHz) S. G. NR FRI TDD S. 68 9.6 10869 AAD S. G. NR (DPT-s-OFDM, 100% RB, 100 MHz, OPSK, 120 kHz) S. G. NR FRI TDD S. 69 9.9 10870 AAD S. G. NR (DPT-s-OFDM, 100% RB, 100 MHz, OPSK, 120 kHz) S. G. NR FRI TDD S. 69 9.6 10871 AAD S. G. NR (DPT-s-OFDM, 100% RB, 100 MHz, OPSK, 120 kHz) S. G. NR FRI TDD S. 69 9.6 10872 AAD S. G. NR (DPT-s-OFDM, 100% RB, 100 MHz, OPSK, 120 kHz) S. G. NR FRI TDD S. 75 9.9 9.6 10872 AAD S. G. NR (DPT-s-OFDM, 18 B, 100 MHz, CDSK, 120 kHz) S. G. NR FRI TDD S. 75 9.9 9.6 10873 AAD S. G. NR (DPT-s-OFDM, 18 B, 100 MHz, CDSK, 120 kHz) S. G. NR FRI TDD S. 75 9.9 9.6 10873 AAD S. G. NR (DPT-s-OFDM, 18 B, 100 MHz, CDSK, 120 kHz) S. G. NR FRI TDD S. 75 9.9 9.6 10873 AAD S. G. NR (CP-OFDM, 100% RB, 100 MHz, CPSK, 120 kHz) S. G. NR FRI TDD S. 75 9.9 9.6 10873 AAD S. G. NR (CP-OFDM, 100% RB, 100 MHz, CPSK, 120 kHz) S. G. NR FRI TDD S. 96 9.9 9.6 10873 AAD S. G. NR (CP-OFDM, 100% RB, 100 MHz, CPSK, 120 kHz) S. G. NR FRI TDD S. 98 9.9 9.6 10873 AAD S. G. NR (CP-OFDM, 100% RB, 100 MHz, CPSK, 120 kHz) S. G. NR FRI TDD S. 98 9.9 9.6 10873 AAD S. G. NR (CP-OFDM, 100% RB, 100 MHz, SICAM, 120 kHz) S. G. NR FRI TDD S. 98 9.9 9.6 10873 AAD S. G. NR (CP-OFDM, 100% RB, 100 MHz, SICAM, 120 kHz) S. G. NR FRI TDD S. 98 9.9 9.6 10873 AAD S. G. NR (CP-OFDM, 100% RB, 50 MHz, SICAM, 120 kHz) S. G. NR FRI TDD S. 98 9.9 9.6 10884 AAD S. G. NR (CP-OFDM, 100% RB, 50 MHz,		-	5G NR (CP-OFDM 100% RB 60 MHz OPEK 60 kHz)			
10864 AAE S. S. N. (CP-OFDM, 100%, RB, 90 MHz, OPSK, 60 Hz) S. S. N. FRI TDD 8.37 49.6		<u> </u>	5G NB (CP-OFDM 100% RB 80 MHz, QFSK, 60 KHz)			
19865 AAD 5G NR (CP-OFDM, 109%, RB, 100MHz, OPSK, 30 Hz) 5G NR FRI TDD 8.41 49.6 1986 AAD 5G NR (DFTs-OFDM, 109%, RB, 100MHz, OPSK, 30 Hz) 5G NR FRI TDD 5.75 49.6 1986 AAD 5G NR (DFTs-OFDM, 109%, RB, 100MHz, OPSK, 120 kHz) 5G NR FRI TDD 5.75 49.6 19870 AAD 5G NR (DFTs-OFDM, 109%, RB, 100MHz, OPSK, 120 kHz) 5G NR FRI TDD 5.75 49.6 19870 AAD 5G NR (DFTs-OFDM, 109%, RB, 100MHz, OPSK, 120 kHz) 5G NR FRI TDD 5.75 49.6 19871 AAD 5G NR (DFTs-OFDM, 109%, RB, 100MHz, 160AM, 120 kHz) 5G NR FRI TDD 5.75 49.6 19872 AAD 5G NR (DFTs-OFDM, 109%, RB, 100MHz, 160AM, 120 kHz) 5G NR FRI TDD 5.75 49.6 19873 AAD 5G NR (DFTs-OFDM, 109%, RB, 100MHz, 160AM, 120 kHz) 5G NR FRI TDD 6.52 49.6 19873 AAD 5G NR (DFTs-OFDM, 109%, RB, 100MHz, 160AM, 120 kHz) 5G NR FRI TDD 6.65 49.6 19873 AAD 5G NR (DFTs-OFDM, 109%, RB, 100MHz, 0FSK, 120 kHz) 5G NR FRI TDD 6.65 49.6 10875 AAD 5G NR (CP-OFDM, 100%, RB, 100MHz, 0FSK, 120 kHz) 5G NR FRI TDD 6.85 49.6 10876 AAD 5G NR (CP-OFDM, 100%, RB, 100MHz, 0FSK, 120 kHz) 5G NR FRI TDD 7.78 49.6 10876 AAD 5G NR (CP-OFDM, 100%, RB, 100MHz, 0FSK, 120 kHz) 5G NR FRI TDD 7.78 49.6 10876 AAD 5G NR (CP-OFDM, 100%, RB, 100MHz, 0FSK, 120 kHz) 5G NR FRI TDD 7.95 49.6 10878 AAD 5G NR (CP-OFDM, 100%, RB, 100MHz, 0FSK, 120 kHz) 5G NR FRI TDD 7.95 49.6 10882 AAD 5G NR (CP-OFDM, 100%, RB, 100MHz, 0FSK, 120 kHz) 5G NR FRI TDD 7.95 49.6 10883 AAD 5G NR (CP-OFDM, 100%, RB, 100MHz, 0FSK, 120 kHz) 5G NR FRI TDD 7.95 49.6 10883 AAD 5G NR (CP-OFDM, 100%, RB, 50MHz, 0FSK, 120 kHz) 5G NR FRI TDD 5.96 49.6 10883 AAD 5G NR (CP-OFDM, 100%, RB, 50MHz, 0FSK, 120 kHz) 5G NR FRI TDD 5.96 49.6 10883 AAD 5G NR (CP-OFDM, 100%, RB, 50MHz, 0FSK, 120 kHz) 5G NR FRI TDD 5.65 49.6 10883 AAD 5G NR (CP-OFDM, 100%, RB, 50MHz, 0FSK, 120 kHz) 5G NR FRI TDD 5.66 49.6 10883 AAD 5G NR (CP-OFDM, 100%, R			5G NR (CP-OFDM, 100% RB, 90 MHz, OPSK, 60 kHz)			
10866 AAD 5G NR (DFTs-OFDM, 1 RB, 100 MHz, OPSK, 30 kHz) 5G NR FR1 TDD 5.68 49.6 10868 AAD 5G NR (DFTs-OFDM, 100% RB, 100 MHz, OPSK, 30 kHz) 5G NR FR1 TDD 5.75 49.6 10870 AAD 5G NR (DFTs-OFDM, 1 RB, 100 MHz, OPSK, 120 kHz) 5G NR FR2 TDD 5.75 49.6 10870 AAD 5G NR (DFTs-OFDM, 1 RB, 100 MHz, 160 AM, 120 kHz) 5G NR FR2 TDD 5.86 49.6 49.6 10872 AAD 5G NR (DFTs-OFDM, 100% RB, 100 MHz, 160 AM, 120 kHz) 5G NR FR2 TDD 6.52 49.6 10873 AAD 5G NR (DFTs-OFDM, 100% RB, 100 MHz, 160 AM, 120 kHz) 5G NR FR2 TDD 6.52 49.6 10873 AAD 5G NR (DFTs-OFDM, 100% RB, 100 MHz, 160 AM, 120 kHz) 5G NR FR2 TDD 6.52 49.6 10873 AAD 5G NR (DFTs-OFDM, 100% RB, 100 MHz, 160 AM, 120 kHz) 5G NR FR2 TDD 6.52 49.6 10875 AAD 5G NR (DFTs-OFDM, 100% RB, 100 MHz, 160 AM, 120 kHz) 5G NR FR2 TDD 6.61 49.6 10875 AAD 5G NR (DFTs-OFDM, 100% RB, 100 MHz, 160 AM, 120 kHz) 5G NR FR2 TDD 7.78 49.6 10876 AAD 5G NR (DFTS-OFDM, 100% RB, 100 MHz, 160 AM, 120 kHz) 5G NR FR2 TDD 7.78 49.6 10876 AAD 5G NR (DFTS-OFDM, 100% RB, 100 MHz, 160 AM, 120 kHz) 5G NR FR2 TDD 7.78 49.6 10876 AAD 5G NR (DFTS-OFDM, 100% RB, 100 MHz, 160 AM, 120 kHz) 5G NR FR2 TDD 8.39 49.6 10879 AAD 5G NR (DF-OFDM, 100% RB, 100 MHz, 160 AM, 120 kHz) 5G NR FR2 TDD 8.39 49.6 10879 AAD 5G NR (DF-OFDM, 100% RB, 100 MHz, 160 AM, 120 kHz) 5G NR FR2 TDD 8.41 49.6 10880 AAD 5G NR (DF-OFDM, 100% RB, 100 MHz, 160 AM, 120 kHz) 5G NR FR2 TDD 8.41 49.6 10880 AAD 5G NR (DFTS-OFDM, 100% RB, 50 MHz, 160 AM, 120 kHz) 5G NR FR2 TDD 8.75 49.6 10880 AAD 5G NR (DFTS-OFDM, 100% RB, 50 MHz, 160 AM, 120 kHz) 5G NR FR2 TDD 5.75 49.6 10880 AAD 5G NR (DFTS-OFDM, 100% RB, 50 MHz, 100 kHz) 5G NR FR2 TDD 5.96 49.6 10880 AAD 5G NR (DFTS-OFDM, 100% RB, 50 MHz, 100 kHz) 5G NR FR2 TDD 5.65 49.6 10880 AAD 5G NR (DFTS-OFDM, 188, 50 MHz, 100 kHz) 5G NR FR2 TDD 5.65 49.6 10880 AAD			5G NR (CP-OFDM 100% RB 100 MHz, QF 5K, 60 kHz)			
10868 AAD SG NR (DFTs-OFDM, 100% RB, 100MHz, QPSK, 120 kHz) SG NR FRI TDD 5.75 ±9.6 10870 AAD SG NR (DFTs-OFDM, 100% RB, 100MHz, QPSK, 120 kHz) SG NR FRZ TDD 5.86 ±9.6 10871 AAD SG NR (DFTs-OFDM, 100% RB, 100MHz, QPSK, 120 kHz) SG NR FRZ TDD 5.86 ±9.6 10871 AAD SG NR (DFTs-OFDM, 1 RB, 100 MHz, 160AM, 120 kHz) SG NR FRZ TDD 5.75 ±9.6 10872 AAD SG NR (DFTs-OFDM, 1 RB, 100 MHz, 160AM, 120 kHz) SG NR FRZ TDD 6.62 ±9.6 10873 AAD SG NR (DFTs-OFDM, 1 RB, 100 MHz, 640AM, 120 kHz) SG NR FRZ TDD 6.65 ±9.6 10874 AAD SG NR (DFTs-OFDM, 100% RB, 100 MHz, 640AM, 120 kHz) SG NR FRZ TDD 6.65 ±9.6 10875 AAD SG NR (DFTs-OFDM, 100% RB, 100 MHz, 640AM, 120 kHz) SG NR FRZ TDD 6.65 ±9.6 10876 AAD SG NR (DFO-OFDM, 18B, 100 MHz, 040AM, 120 kHz) SG NR FRZ TDD 6.65 ±9.6 10876 AAD SG NR (DFO-OFDM, 18B, 100 MHz, 040AM, 120 kHz) SG NR FRZ TDD 8.39 ±9.6 10876 AAD SG NR (DFO-OFDM, 100% RB, 100 MHz, 100AHz) SG NR FRZ TDD 8.39 ±9.6 10878 AAD SG NR (DFO-OFDM, 100% RB, 100 MHz, 100AHz) SG NR FRZ TDD 8.19 SG NR FRZ TDD 8.10			5G NR (DET-s-OEDM 1 RB 100 MHz OPSK 30 kHz)			
10869 AAD 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 5.75 ±9.6	10868	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, OPSK, 30 kHz)			
10870 AAD 5G NR (DFT-s-OFDM, 100% RB, 100MHz, 160AM, 120 kHz) 5G NR FRZ TDD 5.86 ±9.6 10872 AAD 5G NR (DFT-s-OFDM, 118, 100 MHz, 160AM, 120 kHz) 5G NR FRZ TDD 6.52 ±9.6 10873 AAD 5G NR (DFT-s-OFDM, 118, 100 MHz, 160AM, 120 kHz) 5G NR FRZ TDD 6.65 ±9.6 10873 AAD 5G NR (DFT-s-OFDM, 118, 100 MHz, 640AM, 120 kHz) 5G NR FRZ TDD 6.65 ±9.6 10874 AAD 5G NR (DFT-s-OFDM, 118, 100 MHz, 640AM, 120 kHz) 5G NR FRZ TDD 6.65 ±9.6 10875 AAD 5G NR (DFT-s-OFDM, 118, 100 MHz, 040AM, 120 kHz) 5G NR FRZ TDD 7.78 ±9.6 10876 AAD 5G NR (DFT-s-OFDM, 118, 100 MHz, 0405K, 120 kHz) 5G NR FRZ TDD 3.99 ±9.6 10876 AAD 5G NR (DF-OFDM, 118, 100 MHz, 040Kz, 120 kHz) 5G NR FRZ TDD 3.99 ±9.6 10876 AAD 5G NR (DF-OFDM, 100% RB, 100 MHz, 120 kHz) 5G NR FRZ TDD 3.99 ±9.6 10878 AAD 5G NR (DF-OFDM, 100% RB, 100 MHz, 120 kHz) 5G NR FRZ TDD 3.99 ±9.6 10878 AAD 5G NR (DF-OFDM, 100% RB, 100 MHz, 120 kHz) 5G NR FRZ TDD 3.12 ±9.6 10879 AAD 5G NR (DF-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) 5G NR FRZ TDD 3.12 ±9.6 10882 AAD 5G NR (DF-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) 5G NR FRZ TDD 3.12 ±9.6 10882 AAD 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 040 KHz) 5G NR FRZ TDD 3.12 ±9.6 10883 AAD 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 040 KHz) 5G NR FRZ TDD 5.96 ±9.6 10883 AAD 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 040 KHz) 5G NR FRZ TDD 5.96 ±9.6 10885 AAD 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 040 KHz) 5G NR FRZ TDD 5.96 ±9.6 10885 AAD 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 040 KHz) 5G NR FRZ TDD 5.96 ±9.6 10886 AAD 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 60AM, 120 kHz) 5G NR FRZ TDD 5.96 ±9.6 10886 AAD 5G NR (DFT-s-OFDM, 188, 50 MHz, 60AM, 120 kHz) 5G NR FRZ TDD 6.65 ±9.6 10886 AAD 5G NR (DFT-s-OFDM, 188, 50 MHz, 60AM, 120 kHz) 5G NR FRZ TDD 6.65 ±9.6 10886 AAD 5G NR (DFT-s-OFDM, 188, 50 MHz, 60AM, 120 kHz) 5G NR FRZ TDD 6.65 ±	10869	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, OPSK, 120 kHz)			
10871 AAD SG NR (DFTs-OFDM, 1 RB, 100 MHz, 16CAM, 120 kHz) SG NR FR2 TDD 5.75 ±9.6 10873 AAD SG NR (DFTs-OFDM, 100% RB, 100 MHz, 16CAM, 120 kHz) SG NR FR2 TDD 6.52 ±9.6 10874 AAD SG NR (DFTs-OFDM, 100% RB, 100 MHz, 6ACAM, 120 kHz) SG NR FR2 TDD 6.65 ±9.6 10875 AAD SG NR (DFTs-OFDM, 100% RB, 100 MHz, 6ACAM, 120 kHz) SG NR FR2 TDD 6.65 ±9.6 10876 AAD SG NR (DFTs-OFDM, 100% RB, 100 MHz, 6ACAM, 120 kHz) SG NR FR2 TDD 6.65 ±9.6 10876 AAD SG NR (CP-OFDM, 100% RB, 100 MHz, CPSK, 120 kHz) SG NR FR2 TDD 7.78 ±9.6 10877 AAD SG NR (CP-OFDM, 100% RB, 100 MHz, CPSK, 120 kHz) SG NR FR2 TDD 7.95 ±9.6 10878 AAD SG NR (CP-OFDM, 100% RB, 100 MHz, 16CAM, 120 kHz) SG NR FR2 TDD 7.95 ±9.6 10879 AAD SG NR (CP-OFDM, 18, 100 MHz, 6ACAM, 120 kHz) SG NR FR2 TDD 8.41 ±9.6 10879 AAD SG NR (CP-OFDM, 100% RB, 100 MHz, 6ACAM, 120 kHz) SG NR FR2 TDD 8.41 ±9.6 10880 AAD SG NR (CP-OFDM, 100% RB, 100 MHz, 6ACAM, 120 kHz) SG NR FR2 TDD 8.33 ±9.6 10881 AAD SG NR (CP-OFDM, 100% RB, 50 MHz, 6ACAM, 120 kHz) SG NR FR2 TDD 8.38 ±9.6 10882 AAD SG NR (CP-OFDM, 100% RB, 50 MHz, 6ACAM, 120 kHz) SG NR FR2 TDD 5.75 ±9.6 10882 AAD SG NR (DFT-s-OFDM, 100% RB, 50 MHz, 6ACAM, 120 kHz) SG NR FR2 TDD 5.75 ±9.6 10883 AAD SG NR (DFT-s-OFDM, 100% RB, 50 MHz, 6ACAM, 120 kHz) SG NR FR2 TDD 5.75 ±9.6 10884 AAD SG NR (DFT-s-OFDM, 100% RB, 50 MHz, 6ACAM, 120 kHz) SG NR FR2 TDD 5.75 ±9.6 10885 AAD SG NR (DFT-s-OFDM, 100% RB, 50 MHz, 6ACAM, 120 kHz) SG NR FR2 TDD 5.75 ±9.6 10886 AAD SG NR (DFT-s-OFDM, 1 RB, 50 MHz, 6ACAM, 120 kHz) SG NR FR2 TDD 6.53 ±9.6 10887 AAD SG NR (DFT-s-OFDM, 1 RB, 50 MHz, 6ACAM, 120 kHz) SG NR FR2 TDD 6.53 ±9.6 10886 AAD SG NR (DFT-s-OFDM, 1 RB, 50 MHz, 6ACAM, 120 kHz) SG NR FR2 TDD 6.65 ±9.6 10886 AAD SG NR (DFT-s-OFDM, 1 RB, 50 MHz, 6ACAM, 120 kHz) SG NR FR2 TDD	10870	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)			
10872 AAD SG NR (DFTs-OFDM, 100% RB, 100MHz, 64QAM, 120 KHz) SG NR FR2 TDD 6.52 ±9.6	10871	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)			
10873 AAD SG NR (DFTs-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz) SG NR FR2 TDD 6.65	10872	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	70		
10874 AAD 5G NR (CPT-S-CPDM, 100% RB, 100MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 6.65 ±9.6 10876 AAD 5G NR (CP-OFDM, 10 MR, 100 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 7.78 ±9.6 10877 AAD 5G NR (CP-OFDM, 10 MR, 100 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 7.95 ±9.6 10877 AAD 5G NR (CP-OFDM, 10 MR, 100 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 8.39 ±9.6 10878 AAD 5G NR (CP-OFDM, 10 MR, 160 MM, 120 kHz) 5G NR FR2 TDD 8.41 ±9.6 10879 AAD 5G NR (CP-OFDM, 10 MR, 160 MM, 120 kHz) 5G NR FR2 TDD 8.41 ±9.6 10879 AAD 5G NR (CP-OFDM, 10 MR, 160 MMz, 160 AM, 120 kHz) 5G NR FR2 TDD 8.41 ±9.6 10880 AAD 5G NR (CP-OFDM, 10 MR, 160 MMz, 160 AM, 120 kHz) 5G NR FR2 TDD 8.38 ±9.6 10881 AAD 5G NR (CP-OFDM, 10 MR, 160 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 5.75 ±9.6 10882 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, 1 RB, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 5.75 ±9.6 10883 AAD 5G NR (DFT-S-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 6.57 ±9.6 10886 AAD 5G NR (DFT-S-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 6.57 ±9.6 10886 AAD 5G NR (DFT-S-OFDM, 10 MR, 80 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 6.57 ±9.6 10886 AAD 5G NR (DFT-S-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 6.57 ±9.6 10886 AAD 5G NR (DFT-S-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 6.51 ±9.6 10886 AAD 5G NR (DFT-S-OFDM, 1 RB, 50 MHz, GAAM, 120 kHz) 5G NR FR2 TDD 6.66 ±9.6 10886 AAD 5G NR (DFT-S-OFDM, 1 RB, 50 MHz, GAAM, 120 kHz) 5G NR FR2 TDD 6.65 ±9.6 10889 AAD 5G NR (CP-OFDM, 100 MR, 80 MHz, 100 MHz, 100 MHz) 5G NR FR2 TDD 6.65 ±9.6 10889 AAD 5G NR (CP-OFDM, 100 MR, 80 MHz, 100 MHz, 100 MHz) 5G NR FR2 TDD 6.65 ±9.6 10889 AAD 5G NR (CP-OFDM, 100 MR, 80 MHz, 100 MHz, 100 MHz) 5G NR FR2 TDD 8.40 ±9.6 10889 AAD 5G NR (DFT-S-OFDM, 1 RB, 50 MHz, 100 MHz, 100 MHz) 5G N	10873	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)			
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 7.95 ±9.6 10877 AAD 5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 8.41 ±9.6 10878 AAD 5G NR (CP-OFDM, 1 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 (CP-OFDM, 100% RB, 100 MHz, 64QAM, 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 5.76 ±9.6 10883 AAD 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 5.96 ±9.6 10884 AAD 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 160AM, 120 kHz) 5G NR FR2 TDD 6.57 ±9.6 10885 AAD 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 160AM, 120 kHz) 5G NR FR2 TDD 6.57 ±9.6 10886 AAD 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 160AM, 120 kHz) 5G NR FR2 TDD 6.65 ±9.6 10886 AAD 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 640AM, 120 kHz) 5G NR FR2 TDD 6.65 ±9.6 10886 AAD 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 640AM, 120 kHz) 5G NR FR2 TDD 6.65 ±9.6 10887 AAD 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 6.65 ±9.6 10889 AAD 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 7.78 ±9.6 10889 AAD 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 6.65 ±9.6 10889 AAD 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 8.02 ±9.6 10889 AAD 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 8.40 ±9.6 10889 AAD 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) 5G NR FR2 TDD 8.40 ±9.6 10889 AAD 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.66 ±9.6 10889 AAD 5G NR (DFT-s-OFDM, 1 RB, 50 MHz,	1	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)			
10876 AAD 5G NR (CP-OFDM, 100% RB, 100 MHz, OFSK, 120 kHz) 5G NR FR2 TDD 8.39 ±9.6			5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)			
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 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 (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 5.75 ±9.6 10882 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, 100% 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 6.57 ±9.6 10885 AAD 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 6.57 ±9.6 10886 AAD 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 6.57 ±9.6 10886 AAD 5G NR (DFT-s-OFDM, 100% 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 (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 6.55 ±9.6 10889 AAD 5G NR (CP-OFDM, 1 RB, 50 MHz, 0PSK, 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 8.35 ±9.6 10890 AAD 5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 8.40 ±9.6 10891 AAD 5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 8.40 ±9.6 10891 AAD 5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 8.41 ±9.6 10893 AAD 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.41 ±9.6 10893 AAD 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.41 ±9.6 10904 AAD 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 0404 4004 4004 4004 4004 4004 4004 4004 4004 4004 4004 4004 4004			5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)			
10878 AAD 5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 8.41 ±9.6 10880 AAD 5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.12 ±9.6 10881 AAD 5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 5.75 ±9.6 10882 AAD 5G NR (DFTs-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 5.96 ±9.6 10883 AAD 5G NR (DFTs-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 5.96 ±9.6 10884 AAD 5G NR (DFTs-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 6.57 ±9.6 10884 AAD 5G NR (DFTs-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 6.57 ±9.6 10885 AAD 5G NR (DFTs-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 6.53 ±9.6 10886 AAD 5G NR (DFTs-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 6.65 ±9.6 10887 AAD 5G NR (DFTS-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 6.65 ±9.6 10887 AAD 5G NR (DFTS-OFDM, 100% RB, 50 MHz, 04QAM, 120 kHz) 5G NR FR2 TDD 6.65 ±9.6 10887 AAD 5G NR (DFTS-OFDM, 100% RB, 50 MHz, 04QAM, 120 kHz) 5G NR FR2 TDD 6.85 ±9.6 10889 AAD 5G NR (DFTS-OFDM, 100% RB, 50 MHz, 04QAM, 120 kHz) 5G NR FR2 TDD 8.35 ±9.6 10890 AAD 5G NR (DFTS-OFDM, 100% RB, 50 MHz, 04QAM, 120 kHz) 5G NR FR2 TDD 8.02 ±9.6 10891 AAD 5G NR (DFTS-OFDM, 100% RB, 50 MHz, 04QAM, 120 kHz) 5G NR FR2 TDD 8.02 ±9.6 10891 AAD 5G NR (DFTS-OFDM, 18, 50 MHz, 04QAM, 120 kHz) 5G NR FR2 TDD 8.13 ±9.6 10891 AAD 5G NR (DFTS-OFDM, 18, 50 MHz, 04QAM, 120 kHz) 5G NR FR2 TDD 8.40 ±9.6 10891 AAD 5G NR (DFTS-OFDM, 18, 50 MHz, 04QAM, 120 kHz) 5G NR FR2 TDD 8.41 ±9.6 10891 AAD 5G NR (DFTS-OFDM, 1 RB, 50 MHz, 04QAM, 120 kHz) 5G NR FR2 TDD 8.41 ±9.6 10891 AAD 5G NR (DFTS-OFDM, 1 RB, 50 MHz, 04QAM, 120 kHz) 5G NR FR2 TDD 8.41 ±9.6 10891 AAD 5G NR (DFTS-OFDM, 1 RB, 50 MHz, 04QAM, 120 kHz) 5G NR FR1 TDD 5.66 ±9.6 10902 AAD 5G NR (DFTS-OFDM, 1 RB, 50 MHz,			5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	7.95	
10880 AAD 5G NR (CP-OFDM, 100% RB, 100MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 5.75 49.6 10882 AAD 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 5.75 49.6 10882 AAD 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 5.96 49.6 10883 AAD 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 160AM, 120 kHz) 5G NR FR2 TDD 6.57 49.6 10884 AAD 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 160AM, 120 kHz) 5G NR FR2 TDD 6.53 49.6 10885 AAD 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 6.65 49.6 10886 AAD 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 6.65 49.6 10886 AAD 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 6.65 49.6 10888 AAD 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 7.78 49.6 10889 AAD 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 8.35 49.6 10889 AAD 5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 8.02 49.6 10890 AAD 5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 8.40 49.6 10891 AAD 5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 8.41 49.6 10892 AAD 5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 8.41 49.6 10892 AAD 5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.41 49.6 10893 AAD 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR1 TDD 5.66 49.6 10893 AAD 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR1 TDD 5.66 49.6 10893 AAD 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR1 TDD 5.66 49.6 10893 AAD 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.67 49.6 10904 AAD 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 49.6 10905 AAD 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 49.6 10905 AAD 5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 3			5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.41	
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, 1 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, 1 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 6.65 ±9.6 10886 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, 100% RB, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 6.65 ±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, 100% RB, 50 MHz, QPSK, 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 8.02 ±9.6 10890 AAD 5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 8.40 ±9.6 10890 AAD 5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.40 ±9.6 10890 AAD 5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.41 ±9.6 10897 AAD 5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.41 ±9.6 10897 AAD 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR1 TDD 5.66 ±9.6 10899 AAD 5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.66 ±9.6 10900 AAD 5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.66 ±9.6 10900 AAD 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10900 AAD 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10900 AAD 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10900 AAD 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz) 5G NR FR1			5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.12	±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 10885 AAD 5G NR (DFT-s-OFDM, 1 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 NR, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 6.65 ±9.6 10888 AAD 5G NR (CP-OFDM, 1 NR, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 7.778 ±9.6 10888 AAD 5G NR (CP-OFDM, 1 NR, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 8.02 ±9.6 10890 AAD 5G NR (CP-OFDM, 1 NR, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 8.02 ±9.6 10891 AAD 5G NR (CP-OFDM, 1 NR, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 8.02 ±9.6 10891 AAD 5G NR (CP-OFDM, 1 NR, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.40 ±9.6 10892 AAD 5G NR (CP-OFDM, 1 NR, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.41 ±9.6 10892 AAD 5G NR (CP-OFDM, 1 NR, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.41 ±9.6 10897 AAD 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.41 ±9.6 10899 AAD 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR1 TDD 5.66 ±9.6 10899 AAD 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.67 ±9.6 10900 AAD 5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.67 ±9.6 10900 AAD 5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10900 AAD 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10900 AAD 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10900 AAD 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10900 AAD 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.			5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.38	±9.6
10883 AAD 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 6.57 49.6			5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	±9.6
10884 AAD 5G NR (DFTs-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 6.53 ±9.6 10885 AAD 5G NR (DFTs-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 6.61 ±9.6 10887 AAD 5G NR (DFTs-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 6.65 ±9.6 10887 AAD 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 7.78 ±9.6 10888 AAD 5G NR (CP-OFDM, 1 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, 1 RB, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 8.02 ±9.6 10891 AAD 5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 8.13 ±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 8.13 ±9.6 10893 AAD 5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.13 ±9.6 10893 AAD 5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.13 ±9.6 10893 AAD 5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR1 TDD 5.66 ±9.6 10990 AAD 5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.66 ±9.6 10990 AAD 5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.67 ±9.6 10990 AAD 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10990 AAD 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10990 AAD 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10990 AAD 5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10990 AAD 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10990 AAD 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10990 AAD 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10990 AAD 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10990 AAD 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10990 AAD 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10990 A	L		5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.96	±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 8.04 ±9.6 10891 AAD 5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 8.40 ±9.6 10892 AAD 5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.13 ±9.6 10892 AAD 5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.41 ±9.6 10897 AAD 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.66 ±9.6 10898 AAD 5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.67 ±9.6 10899 AAD 5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.67 ±9.6 10900 AAD 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10901 AAD 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10902 AAD 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10903 AAD 5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10904 AAD 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10905 AAD 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10906 AAD 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10907 AAD 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10908 AAD 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10909 AAD 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10909 AAD 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10909 AAD 5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10909 AAD 5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.98 ±9.6			5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)		6.57	±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, 100% RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.41 ±9.6 10892 AAD 5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.41 ±9.6 10892 AAD 5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.41 ±9.6 10892 AAD 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.66 ±9.6 10892 AAD 5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.67 ±9.6 1			5G NR (DET - OFDM + DR 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.53	±9.6
10887 AAD 5G NR (CP-OFDM, 1 RB, 50 MHz, OPSK, 120 kHz) 5G NR FR2 TDD 7.78 ±9.6	-					±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, 100% RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.13 ±9.6 10892 AAD 5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.41 ±9.6 10897 AAD 5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.66 ±9.6 10898 AAD 5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.67 ±9.6 10899 AAD 5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.67 ±9.6 10900 AAD 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10901 AAD 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 <td< td=""><td></td><td></td><td>5G NR (CP-OFDM 1 RR 50MHz OPSK 400 kHz)</td><td></td><td></td><td></td></td<>			5G NR (CP-OFDM 1 RR 50MHz OPSK 400 kHz)			
10889 AAD 5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 8.02 ±9.6 10890 AAD 5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 8.40 ±9.6 10891 AAD 5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.13 ±9.6 10892 AAD 5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.41 ±9.6 10897 AAD 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR1 TDD 5.66 ±9.6 10897 AAD 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.66 ±9.6 10898 AAD 5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.67 ±9.6 10900 AAD 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10901 AAD 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10902 AAD 5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 <td< td=""><td></td><td></td><td>5G NR (CP-OFDM, 100% RR 50 MHz OPSK 190 KHz)</td><td></td><td></td><td></td></td<>			5G NR (CP-OFDM, 100% RR 50 MHz OPSK 190 KHz)			
10890 AAD 5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 8.40 ±9.6 10891 AAD 5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.13 ±9.6 10892 AAD 5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.41 ±9.6 10897 AAD 5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.66 ±9.6 10898 AAD 5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.67 ±9.6 10899 AAD 5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.67 ±9.6 10900 AAD 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10901 AAD 5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10902 AAD 5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10903 AAD 5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 1	-		5G NR (CP-OFDM, 1 RB, 50 MHz, 16OAM, 120 kHz)			
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10892 AAD 5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.41 ±9.6 10897 AAD 5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.66 ±9.6 10898 AAD 5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.67 ±9.6 10899 AAD 5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.67 ±9.6 10900 AAD 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10901 AAD 5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10902 AAD 5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10903 AAD 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10904 AAD 5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10905 AAD 5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10	10891		5G NR (CP-OFDM, 1 RB. 50 MHz. 64QAM 120 kHz)			
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10902 AAD 5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10903 AAD 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10904 AAD 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10905 AAD 5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10906 AAD 5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10907 AAD 5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.78 ±9.6 10908 AAD 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.93 ±9.6 10910 AAD 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.96 ±9.6			5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)			
10903 AAD 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10904 AAD 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10905 AAD 5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10906 AAD 5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10907 AAD 5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.78 ±9.6 10908 AAD 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.93 ±9.6 10910 AAD 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.96 ±9.6			5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)			
10904 AAD 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10905 AAD 5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10906 AAD 5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10907 AAD 5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.78 ±9.6 10908 AAD 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.93 ±9.6 10909 AAD 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.96 ±9.6 10910 AAD 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.96 ±9.6			5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)			~
10905 AAD 5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10906 AAD 5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10907 AAD 5G NR (DFT-s-OFDM, 50% RB, 5MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.78 ±9.6 10908 AAD 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.93 ±9.6 10909 AAD 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.96 ±9.6 10910 AAD 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.96 ±9.6			5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD		
10906 AAD 5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10907 AAD 5G NR (DFT-s-OFDM, 50% RB, 5MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.78 ±9.6 10908 AAD 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.93 ±9.6 10909 AAD 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.96 ±9.6 10910 AAD 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.96 ±9.6	-		5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)			
10907 AAD 5G NR (DFT-s-OFDM, 50% RB, 5MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.78 ±9.6 10908 AAD 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.93 ±9.6 10909 AAD 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.96 ±9.6 10910 AAD 5G NB (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.96 ±9.6			5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	
10909 AAD 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.96 ±9.6					5.78	
10910 AAD 5G NR (DET.s-OEDM 50% PR 20MHz ODCK 20 HJz)			5G NR (DET - OEDM 50% RB, 10 MHz, QPSK, 30 kHz)		5.93	±9.6
5G NR FR1 TDD 5.83 +9 6			5G NR (DET a OEDM 50% DR 20MH) COST			±9.6
20.0	10010	, 010	30 Nrt (DI 1-5-OFDINI, 30% КВ, 20 MHZ, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	±9.6

UID					
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10911	AAD	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	±9.6
10912	AAD	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10913	AAD	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10914	AAD	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.85	±9.6
	AAD	5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	±9.6
10916	AAD	5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	±9.6
	AAD	5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	±9.6
10918	AAD	5G NR (DFT-s-OFDM, 100% RB, 5MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	±9.6
10919	AAD	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	±9.6
10920	AAD	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	±9.6
10921	AAD	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10923	AAD	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.82	±9.6
10924	AAD	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10925	AAD	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10926	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.95	±9.6
10927	AAD	5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10928	AAD	5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	±9.6
10929	AAD	5G NR (DET's OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	±9.6
10930	AAD	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	±9.6
10931	AAD	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	±9.6
10932	AAB	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
10933	AAA	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
10934	AAA	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
10935	AAA	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
10936	AAC	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
10937	AAB	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	±9.6
10938	AAB	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.77	±9.6
10939	AAB	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	±9.6
10940	AAB	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.82	±9.6
10941	AAB	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.89	±9.6
10942	AAB	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD 5G NR FR1 FDD	5.83	±9.6
10943	AAB	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	±9.6
10944	AAB	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.95 5.81	±9.6
10945	AAB	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	±9.6
10946	AAC	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	±9.6
10947	AAB	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	±9.6 ±9.6
10948	AAB	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	±9.6
10949	AAB	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	±9.6
10950	AAB	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	±9.6
10951	AAB	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.92	±9.6
10952	AAB	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.25	±9.6
10953	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.15	±9.6
10954	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.23	±9.6
10955	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.42	±9.6
10956	AAB	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.14	±9.6
10957	AAC	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.31	±9.6
	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.61	±9.6
	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.33	±9.6
	AAB	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.32	±9.6
	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.36	±9.6
	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.40	±9.6
	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.55	±9.6
	AAB	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.29	±9.6
	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.37	±9.6
	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.55	±9.6
	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.42	±9.6
	AAB	5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.49	±9.6
	AAB	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	11.59	±9.6
	AAB	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	9.06	±9.6
	AAB	5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz)	5G NR FR1 TDD	10.28	±9.6
	AAA	ULLA BDR	ULLA	2.23	±9.6
	AAA	ULLA HDR4	ULLA	7.02	±9.6
	AAA	ULLA HDR8	ULLA	8.82	±9.6
10001	AAA	ULLA HDRp4	ULLA	1.50	10.6
	AAA	ULLA HDRp8	OLLIN	1.50	±9.6

UID	Rev	Communication System Name	1.0		1
10983	AAA	5G NR DL (CR OFFM TM 0.4 40AU) - 0.4 GAME	Group	PAR (dB)	Unc ^E $k = 2$
		5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.31	+9.6
10984	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.42	
10985	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz)			±9.6
10986	AAA	FC ND DL (OD OFDM, TM 6.1, 40 MI 12, 04-QAM, 30 KHZ)	5G NR FR1 TDD	9.54	±9.6
		5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.50	±9.6
10987	AAA	5G NR DL (CP-OFDM, TM 3.1, 60 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.53	
10988	AAA	5G NR DL (CP-OFDM, TM 3.1, 70 MHz, 64-QAM, 30 kHz)			±9.6
10989	AAA	FO ND DL (OD OFFILE THE	5G NR FR1 TDD	9.38	±9.6
		5G NR DL (CP-OFDM, TM 3.1, 80 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.33	±9.6
10990	AAA	5G NR DL (CP-OFDM, TM 3.1, 90 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD		
		(5G NR FRT IDD	9.52	±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.