

APPENDIX E – PROBE CALIBRATION

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

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Swiss Calibration Service

Accreditation No.: SCS 0108

Client Celltech

Certificate No: EX3-3600_Mar20

CALIBRATION CERTIFICATE

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

Object	EX3DV4 - SN:3600
Calibration procedure(s)	QA CAL-01.v9, QA CAL-12.v9, QA CAL-14.v5, QA CAL-23.v5, QA CAL-25.v7 Calibration procedure for dosimetric E-field probes
Calibration date:	March 25, 2020

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

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

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID	Cal Date (Certificate No.)	Scheduled Calibration
Power meter NRP	SN: 104778	03-Apr-19 (No. 217-02892/02893)	Apr-20
Power sensor NRP-Z91	SN: 103244	03-Apr-19 (No. 217-02892)	Apr-20
Power sensor NRP-Z91	SN: 103245	03-Apr-19 (No. 217-02893)	Apr-20
Reference 20 dB Attenuator	SN: S5277 (20x)	04-Apr-19 (No. 217-02894)	Apr-20
DAE4	SN: 660	27-Dec-19 (No. DAE4-660_Dec19)	Dec-20
Reference Probe ES3DV2	SN: 3013	31-Dec-19 (No. ES3-3013_Dec19)	Dec-20
Secondary Standards	ID	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: GB41293874	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
Power sensor E4412A	SN: MY41498087	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
Power sensor E4412A	SN: 000110210	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
RF generator HP 8648C	SN: US3642U01700	04-Aug-99 (in house check Jun-18)	In house check: Jun-20
Network Analyzer E8358A	SN: US41080477	31-Mar-14 (in house check Oct-19)	In house check: Oct-20

	Name	Function	Signature
Calibrated by:	Claudio Leubler	Laboratory Technician	field
Approved by:	Katja Pokovic	Technical Manager	Ally
			Issued: March 27, 2020
This calibration certificate	e shall not be reproduced except in full	without written approval of the laboratory	<i>.</i>

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Glossary:	
TSL	tissue simulating liquid
NORMx,y,z	sensitivity in free space
ConvF	sensitivity in TSL / NORMx,y,z
DCP	diode compression point
CF	crest factor (1/duty_cycle) of the RF signal
A, B, C, D	modulation dependent linearization parameters
Polarization ϕ	φ rotation around probe axis
Polarization 9	9 rotation around an axis that is in the plane normal to probe axis (at measurement center),
	i.e., $\vartheta = 0$ is normal to probe axis
Connector Angle	information used in DASY system to align probe sensor X to the robot coordinate system

Calibration is Performed According to the Following Standards:

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

Methods Applied and Interpretation of Parameters:

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

DASY/EASY - Parameters of Probe: EX3DV4 - SN:3600

Basic Calibration Parameters

	Sensor X	Sensor Y	Sensor Z	Unc (k=2)
Norm (μV/(V/m) ²) ^A	0.49	0.49	0.38	± 10.1 %
DCP (mV) ^B	103.5	100.2	104.2	

Calibration Results for Modulation Response

UID	Communication System Name		A dB	B dBõV	С	D dB	VR mV	Max dev.	Max Unc ^E (k=2)
0	CW	X	0.00	0.00	1.00	0.00	219.7	± 3.5 %	±4.7%
		Y	0.00	0.00	1.00	1	199.0	1	
		Z	0.00	0.00	1.00	1	197.7	1	
10352-	Pulse Waveform (200Hz, 10%)	X	20.00	93.51	22.62	10.00	60.0	± 2.6 %	± 9.6 %
AAA		Y	20.00	91.15	21.54	1	60.0	1	
		Z	20.00	92.98	22.55	1	60.0		
10353-	Pulse Waveform (200Hz, 20%)	X	20.00	94.96	22.19	6.99	80.0	± 1.3 %	±9.6 %
AAA		Y	20.00	91.24	20.19	1	80.0	1	
		Z	20.00	93.01	21.37	1	80.0	1	
10354-	Pulse Waveform (200Hz, 40%)	X	20.00	98.14	22.27	3.98	95.0	± 1.1 %	± 9.6 %
AAA		Y	20.00	91.34	18.60		95.0		
		Z	20.00	96.35	21.55		95.0		
10355-	Pulse Waveform (200Hz, 60%)	X	20.00	103.28	23.30	2.22	120.0	± 1.1 %	± 9.6 %
AAA		Y	20.00	89.34	16.19		120.0		
		Z	20.00	100.98	22.32	1	120.0		
10387-	QPSK Waveform, 1 MHz	X	1.69	66.59	15.34	1.00	150.0	± 2.9 %	±9.6 %
AAA		Y	1.49	64.97	14.00		150.0		
		Z	1.76	67.76	15.85		150.0		
10388-	QPSK Waveform, 10 MHz	X	2.26	68.45	16.05	0.00	150.0	± 1.3 %	±9.6 %
AAA		Y	2.02	66.74	14.92		150.0		
		Z	2.37	69.56	16.58		150.0		
10396-	64-QAM Waveform, 100 kHz	X	4.05	75.43	20.84	3.01	150.0	± 0.7 %	± 9.6 %
AAA		Y	2.97	69.15	18.02		150.0		
		Z	3.51	73.05	19.77		150.0		
10399-	64-QAM Waveform, 40 MHz	X	3.51	67.23	15.89	0.00	150.0	± 2.3 %	± 9.6 %
AAA		Y	3.38	66.53	15.43		150.0		
		Z	3.59	67.81	16.19		150.0		
10414-	WLAN CCDF, 64-QAM, 40MHz	X	4.83	65.60	15.55	0.00	150.0	± 4.3 %	± 9.6 %
AAA		Y	4.77	65.35	15.41		150.0		
		Z	4.91	66.05	15.80		150.0		

Note: For details on UID parameters see Appendix

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

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

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

DASY/EASY - Parameters of Probe: EX3DV4 - SN:3600

Sensor Model Parameters

	C1	C2	α	T1	T2	T3	T4	T5	T6
	fF	fF	V ⁻¹	ms.V⁻²	ms.V⁻¹	ms	V ⁻²	V ⁻¹	
X	45.7	339.12	35.28	16.48	0.53	5.09	1.75	0.31	1.01
Y	44.0	339.46	37.52	15.70	0.93	5.07	0.00	0.66	1.01
Z	43.7	324.16	35.18	19.30	0.73	5.08	1.32	0.36	1.01

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle (°)	57.3
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	10 mm
Tip Length	9 mm
Tip Diameter	2.5 mm
Probe Tip to Sensor X Calibration Point	1 mm
Probe Tip to Sensor Y Calibration Point	1 mm
Probe Tip to Sensor Z Calibration Point	1 mm
Recommended Measurement Distance from Surface	1.4 mm

DASY/EASY - Parameters of Probe: EX3DV4 - SN:3600

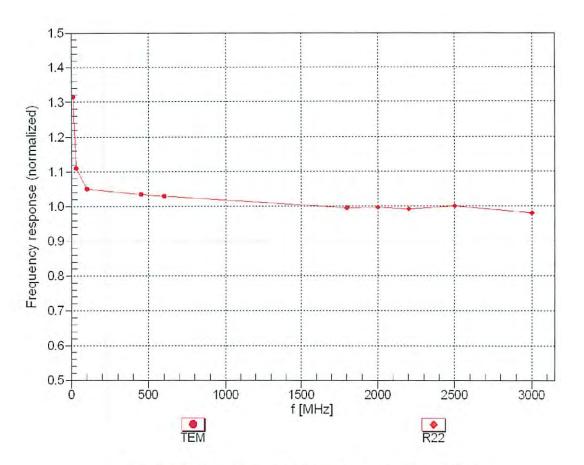
f (MHz) ^C	Relative Permittivity ^F	Conductivity (S/m) ^F	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc (k≕2)
30	55.0	0.75	12.00	12.00	12.00	0.00	1.00	± 13.3 %
150	52.3	0.76	9.59	9.59	9.59	0.00	1.00	± 13.3 %
450	43.5	0.87	8.84	8.84	8.84	0.09	1.05	± 13.3 %
750	41.9	0.89	8.28	8.28	8.28	0.40	0.80	± 12.0 %
835	41.5	0.90	8.17	8.17	8.17	0.40	0.80	± 12.0 %
900	41.5	0.97	8.08	8.08	8.08	0.30	0.80	± 12.0 %
1640	40.2	1.31	7.42	7.42	7.42	0.30	0.85	± 12.0 %
1810	40.0	1.40	7.32	7.32	7.32	0.38	0.85	± 12.0 %
1900	40.0	1.40	7.20	7.20	7.20	0.30	0.85	± 12.0 %
2300	39.5	1.67	6.65	6.65	6.65	0.28	0.90	± 12.0 %
2450	39.2	1.80	6.45	6.45	6.45	0.30	0.90	± 12.0 %
2600	39.0	1.96	6.39	6.39	6.39	0.35	0.90	± 12.0 %
5250	35.9	4.71	4.47	4.47	4.47	0.40	1.80	± 13.1 %
5600	35.5	5.07	4.13	4.13	4.13	0.40	1.80	± 13.1 %
5750	35.4	5.22	4.12	4.12	4.12	0.40	1.80	± 13.1 %

Calibration Parameter Determined in Head Tissue Simulating Media

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

^F At frequencies below 3 GHz, the validity of tissue parameters (c and σ) can be relaxed to \pm 10% if liquid compensation formula is applied to measured SAR values. At frequencies above 3 GHz, the validity of tissue parameters (c 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

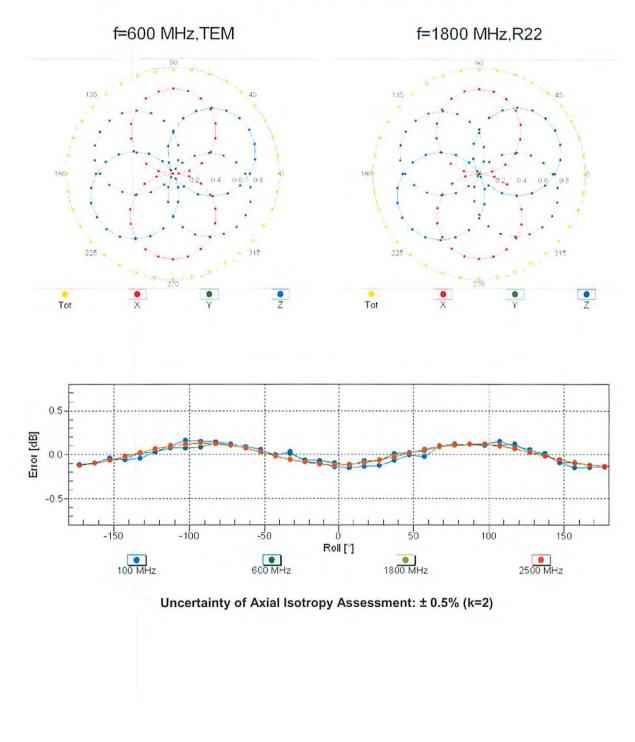
^G Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than ± 1% for frequencies below 3 GHz and below ± 2% for frequencies between 3-6 GHz at any distance larger than half the probe tip diameter from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



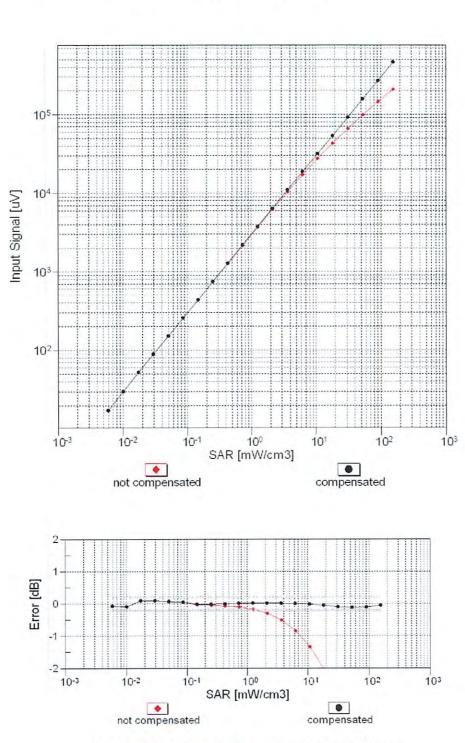
Frequency Response of E-Field (TEM-Cell:ifi110 EXX, Waveguide: R22)

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

March 25, 2020

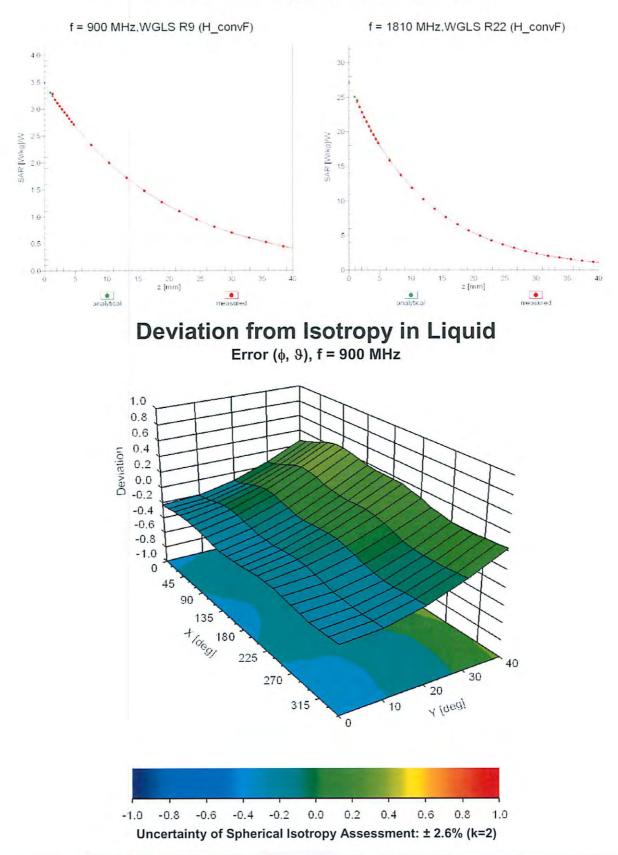


Receiving Pattern (ϕ), $\vartheta = 0^{\circ}$



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

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



Conversion Factor Assessment

Appendix: Modulation Calibration Parameters

UID	Rev	Communication System Name	Group	PAR	
0	-	CW		(dB) 0.00	(k=2) ± 4.7 %
10010	CAA	SAR Validation (Square, 100ms, 10ms)	Test	10.00	± 9.6 %
10011	CAB	UMTS-FDD (WCDMA)	WCDMA	2.91	± 9.6 %
10012	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)	WLAN	1.87	± 9.6 %
10013	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps)	WLAN	9.46	± 9.6 %
10021	DAC	GSM-FDD (TDMA, GMSK)	GSM	9.39	± 9.6 %
10023	DAC	GPRS-FDD (TDMA, GMSK, TN 0)	GSM	9.57	± 9.6 %
10024	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	GSM	6.56	± 9.6 %
10025	DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	GSM	12.62	±9.6 %
10026	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	GSM	9.55	± 9.6 %
10027	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	GSM	4.80	±9.6 %
10028	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	GSM	3.55	± 9.6 %
10029	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	GSM	7.78	± 9.6 %
10030	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	Bluetooth	5.30	±9.6 %
10031	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	Bluetooth	1.87	±9.6 %
10032	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	Bluetooth	1.16	±9.6 %
10033	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	Bluetooth	7.74	±9.6 %
10034	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	Bluetooth	4.53	± 9.6 %
10035	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	Bluetooth	3.83	± 9.6 %
10036	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	Bluetooth	8.01	±9.6 %
10037	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	Bluetooth	4.77	± 9.6 %
10038	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	Bluetooth	4.10	±9.6 %
10039	CAB	CDMA2000 (1xRTT, RC1)	CDMA2000	4.57	± 9.6 %
10042	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)	AMPS	7.78	± 9.6 %
10044	CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	AMPS	0.00	±9.6 %
10048	CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	DECT	13.80	±9.6 %
10049	CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	DECT	10.79	± 9.6 %
10056	CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	TD-SCDMA	11.01	± 9.6 %
10058	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	GSM	6.52	± 9.6 %
10059	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	WLAN WLAN	2.12	± 9.6 %
10060	CAB CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps) IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	WLAN	2.83	± 9.6 %
10061		IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	WLAN	3.60	± 9.6 %
10062	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	WLAN	8.68	± 9.6 % ± 9.6 %
10064	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	WLAN	9.09	± 9.6 %
10065	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	WLAN	9.00	± 9.6 %
10066	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	WLAN	9.38	± 9.6 %
10067	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	WLAN	10.12	± 9.6 %
10068	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	WLAN	10.24	± 9.6 %
10069	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)	WLAN	10.56	± 9.6 %
10071	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	WLAN	9.83	± 9.6 %
10072	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	WLAN	9.62	± 9.6 %
10073	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)	WLAN	9.94	± 9.6 %
10074	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	WLAN	10.30	± 9.6 %
10075	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	WLAN	10.77	±9.6 %
10076	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	WLAN	10.94	± 9.6 %
10077	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	WLAN	11.00	±9.6 %
10081	CAB	CDMA2000 (1xRTT, RC3)	CDMA2000	3.97	±9.6 %
10082	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)	AMPS	4.77	±9.6 %
10090	DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	GSM	6.56	± 9.6 %
10097	CAB	UMTS-FDD (HSDPA)	WCDMA	3.98	± 9.6 %
10098	CAB	UMTS-FDD (HSUPA, Subtest 2)	WCDMA	3.98	±9.6 %
10099	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	GSM	9.55	±9.6 %
10100	CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-FDD	5.67	±9.6 %
10101	CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	± 9.6 %
10102	CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	±9.6 %
10103	CAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-TDD	9.29	±9.6 %
10104	CAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-TDD	9.97	± 9.6 %
10105	CAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-TDD	10.01	± 9.6 %
10108	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-FDD	5.80	± 9.6 %

10109	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	±9.6 %
10110	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-FDD	5.75	±9.6 %
10111	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-FDD	6.44	± 9.6 %
10112	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-FDD	6.59	± 9.6 %
10113	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-FDD	6.62	±9.6 %
10114	CAC	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	WLAN	8.10	±9.6 %
10115	CAC	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	WLAN	8.46	± 9.6 %
10116	CAC	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	WLAN	8.15	± 9.6 %
10117	CAC	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK) IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)	WLAN WLAN	8.07	± 9.6 %
10118	CAC	IEEE 802.1111 (HT Mixed, 31 Mbps, 13-QAM)	WLAN	<u> </u>	± 9.6 %
10110	CAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-FDD	6.49	<u>± 9.6 %</u> ± 9.6 %
10140	CAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-FDD	6.53	± 9.6 %
10142	CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10143	CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-FDD	6.35	± 9.6 %
10144	CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-FDD	6.65	± 9.6 %
10145	CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-FDD	5.76	± 9.6 %
10146	CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.41	± 9.6 %
10147	CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.72	± 9.6 %
10149	CAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	± 9.6 %
10150	CAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	± 9.6 %
10151	CAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-TDD	9.28	± 9.6 %
10152	CAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-TDD	9.92	± 9.6 %
10153	CAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-TDD	10.05	± 9.6 %
10154	CAG	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-FDD	5.75	± 9.6 %
10155	CAG	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	±9.6 %
10156	CAG	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-FDD	5.79	±9.6 %
10157	CAG	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-FDD	6.49	± 9.6 %
10158	CAG	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-FDD	6.62	± 9.6 %
10159	CAG	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-FDD	6.56	± 9.6 %
10160	CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-FDD	5.82	± 9.6 %
10161	CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-FDD	6.43	± 9.6 %
10162	CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-FDD	6.58	± 9.6 %
10166	CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-FDD	5.46	± 9.6 %
10167	CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.21	± 9.6 %
10168	CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.79	± 9.6 %
10169	CAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-FDD	5.73	±9.6 %
10170	CAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10171	AAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-FDD	6.49	± 9.6 %
10172	CAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10173	CAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10174	CAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10175	CAG	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-FDD	5.72	± 9.6 %
10176	CAG CAI	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10177 10178		LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK) LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-FDD	<u>5.73</u> 6.52	± 9.6 %
10178	CAG	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-FDD	6.52	<u>±9.6 %</u> ±9.6 %
10179	CAG	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10180	CAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-FDD	5.72	± 9.6 %
10182	CAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10183	AAD	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10184	CAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10185	CAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-FDD	6.51	± 9.6 %
10186	AAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10187	CAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10188	CAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10189	AAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10193	CAC	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	WLAN	8.09	± 9.6 %
10194	CAC	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	WLAN	8.12	± 9.6 %
10195	CAC	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	WLAN	8.21	± 9.6 %
10196	CAC	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	WLAN	8.10	±9.6 %
10197	CAC	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	WLAN	8.13	± 9.6 %
10198	CAC	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	WLAN	8.27	± 9.6 %
10219	CAC	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	WLAN	8.03	± 9.6 %

10220	CAC	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	WLAN	8.13	± 9.6 %
10221	CAC	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	WLAN	8.27	±9.6 %
10222	CAC	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	WLAN	8.06	± 9.6 %
10223	CAC	IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	WLAN	8.48	± 9.6 %
10224	CAC	IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)	WLAN	8.08	±9.6 %
10225	CAB	UMTS-FDD (HSPA+)	WCDMA	5.97	±9.6 %
10226	CAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.49	± 9.6 %
10227	CAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.26	± 9.6 %
10228	CAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-TDD	9.22	±9.6 %
10229	CAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-TDD	9.48	±9.6 %
10230	CAD CAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
		LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-TDD	9.19	± 9.6 %
10232 10233	CAG CAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10233	CAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10234	CAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)		9.21	± 9.6 %
10235	CAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM) LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)		9.48	± 9.6 %
10236	CAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 04-QAM)	LTE-TDD	10.25	$\pm 9.6\%$
10237	CAG	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-TDD	9.21	±9.6 % ±9.6 %
10230	CAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10235	CAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10240	CAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.82	± 9.6 %
10242	CAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-TDD	9.86	± 9.6 %
10243	CAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-TDD	9.46	± 9.6 %
10244	CAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-TDD	10.06	± 9.6 %
10245	CAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-TDD	10.00	± 9.6 %
10246	CAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-TDD	9.30	± 9.6 %
10247	CAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-TDD	9.91	± 9.6 %
10248	CAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-TDD	10.09	± 9.6 %
10249	CAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-TDD	9.29	± 9.6 %
10250	CAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-TDD	9.81	± 9.6 %
10251	CAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-TDD	10.17	± 9.6 %
10252	CAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-TDD	9.24	±9.6 %
10253	CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-TDD	9.90	± 9.6 %
10254	CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-TDD	10.14	±9.6 %
10255	CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-TDD	9.20	± 9.6 %
10256	CAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.96	±9.6 %
10257	CAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.08	± 9.6 %
10258	CAB	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	CAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-TDD	9.97	±9.6%
10261	CAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-TDD	9.24	±9.6 %
10262	CAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-TDD	9.83	±9.6%
10263	CAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-TDD	10.16	±9.6 %
10264	CAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-TDD	9.23	± 9.6 %
10265	CAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-TDD	9.92	± 9.6 %
10266	CAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-TDD	10.07	± 9.6 %
10267	CAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-TDD	9.30	± 9.6 %
10268		LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)		10.06	± 9.6 %
10269	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-TDD	10.13	± 9.6 %
10270		LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)		9.58	± 9.6 %
10274		UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	WCDMA WCDMA	4.87	±9.6%
10275	CAB CAA	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4) PHS (QPSK)	PHS	3.96	± 9.6 %
10277		PHS (QPSK) PHS (QPSK, BW 884MHz, Rolloff 0.5)	PHS	11.81	± 9.6 % ± 9.6 %
10278		PHS (QPSK, BW 884MHz, Rolloff 0.3) PHS (QPSK, BW 884MHz, Rolloff 0.38)	PHS	11.81	± 9.6 % ± 9.6 %
10279	AAB	CDMA2000, RC1, SO55, Full Rate	CDMA2000	3.91	± 9.6 %
10290	AAB	CDMA2000, RC1, SO55, Full Rate	CDMA2000	3.46	± 9.6 %
10291	AAB	CDMA2000, RC3, SO33, Full Rate	CDMA2000	3.39	± 9.6 %
10292	AAB	CDMA2000, RC3, SO32, Pull Rate	CDMA2000	3.50	± 9.6 %
10295	AAB	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	CDMA2000	12.49	± 9.6 %
10295	AAD	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-FDD	5.81	± 9.6 %
10298	AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-FDD	5.72	± 9.6 %
10299	AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-FDD	6.39	± 9.6 %

EX3DV4-SN:3600

10300	AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-FDD	6.60	± 9.6 %
10301	AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC)	WIMAX	12.03	± 9.6 %
10302	AAA	IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3CTRL)	WIMAX	12.57	± 9.6 %
10303	AAA	IEEE 802.16e WiMAX (31:15, 5ms, 10MHz, 64QAM, PUSC)	WiMAX	12.52	± 9.6 %
10304	AAA	IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, 64QAM, PUSC)	WiMAX	11.86	± 9.6 %
10305	AAA	IEEE 802.16e WiMAX (31:15, 10ms, 10MHz, 64QAM, PUSC)	WIMAX	15.24	± 9.6 %
10306	AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 64QAM, PUSC)	WIMAX	14.67	± 9.6 %
10307	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, PUSC)	WIMAX	14.49	± 9.6 %
10308	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)	WIMAX	14.46	± 9.6 %
10309	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM,AMC 2x3)	WIMAX	14.58	± 9.6 %
10310	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3	WIMAX	14.57	± 9.6 %
10311	AAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-FDD	6.06	± 9.6 %
10313	AAA	iDEN 1:3	IDEN	10.51	± 9.6 %
10314	AAA	iDEN 1:6	IDEN		
10315	AAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc dc)	WLAN	13.48	± 9.6 %
10316	AAB	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc dc)	WLAN	1.71	± 9.6 %
10317	AAC	IEEE 802.11g WIFI 2.4 GHZ (ERF-OFDM, 6 Mbps, 96pc dc)		8.36	± 9.6 %
10352	AAA		WLAN	8.36	± 9.6 %
		Pulse Waveform (200Hz, 10%)	Generic	10.00	± 9.6 %
10353	AAA	Pulse Waveform (200Hz, 20%)	Generic	6.99	± 9.6 %
10354	AAA	Pulse Waveform (200Hz, 40%)	Generic	3.98	± 9.6 %
10355	AAA	Pulse Waveform (200Hz, 60%)	Generic	2.22	± 9.6 %
10356	AAA	Pulse Waveform (200Hz, 80%)	Generic	0.97	± 9.6 %
10387	AAA	QPSK Waveform, 1 MHz	Generic	5.10	± 9.6 %
10388	AAA	QPSK Waveform, 10 MHz	Generic	5.22	± 9.6 %
10396	AAA	64-QAM Waveform, 100 kHz	Generic	6.27	±9.6 %
10399	AAA	64-QAM Waveform, 40 MHz	Generic	6.27	±9.6 %
10400	AAD	IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc dc)	WLAN	8.37	±9.6 %
10401	AAD	IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc dc)	WLAN	8.60	± 9.6 %
10402	AAD	IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc dc)	WLAN	8.53	± 9.6 %
10403	AAB	CDMA2000 (1xEV-DO, Rev. 0)	CDMA2000	3.76	± 9.6 %
10404	AAB	CDMA2000 (1xEV-DO, Rev. A)	CDMA2000	3.77	± 9.6 %
10406	AAB	CDMA2000, RC3, SO32, SCH0, Full Rate	CDMA2000	5.22	± 9.6 %
10410	AAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Sub=2,3,4,7,8,9)	LTE-TDD	7.82	± 9.6 %
10414	AAA	WLAN CCDF, 64-QAM, 40MHz	Generic	8.54	± 9.6 %
10415	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc dc)	WLAN	1.54	± 9.6 %
10416	AAA	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc dc)	WLAN	8.23	± 9.6 %
10417	AAB	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 %
10419	AAB	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	WLAN	8.32	± 9.6 %
10422	AAB	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	WLAN	8.47	± 9.6 %
10423	AAB	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 10-QAM)	WLAN	8.40	± 9.6 %
A DECK					
10425	AAB	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	WLAN	8.41	± 9.6 %
10426	AAB	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	WLAN	8.45	± 9.6 %
10427	AAB	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	WLAN	8.41	± 9.6 %
10430	AAD	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	LTE-FDD	8.28	± 9.6 %
10431	AAD	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	LTE-FDD	8.38	± 9.6 %
10432	AAC	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	LTE-FDD	8.34	± 9.6 %
10433	AAC	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	LTE-FDD	8.34	± 9.6 %
10434	AAA	W-CDMA (BS Test Model 1, 64 DPCH)	WCDMA	8.60	± 9.6 %
10435	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10447	AAD	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.56	± 9.6 %
10448	AAD	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)	LTE-FDD	7.53	± 9.6 %
	AAC	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%)	LTE-FDD	7.51	± 9.6 %
10449	AAC	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.48	± 9.6 %
		W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	WCDMA	7.59	± 9.6 %
10450	I AAA	Validation (Square, 10ms, 1ms)	Test	10.00	± 9.6 %
10450 10451	AAA				
10450 10451 10453	AAD			8 63	+96%
10450 10451 10453 10456	AAD AAB	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc dc)	WLAN	8.63	
10449 10450 10451 10453 10456 10457	AAD AAB AAA	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc dc) UMTS-FDD (DC-HSDPA)	WLAN WCDMA	6.62	$\pm 9.6\%$ $\pm 9.6\%$ $\pm 9.6\%$
10450 10451 10453 10456 10457 10458	AAD AAB AAA AAA	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc dc) UMTS-FDD (DC-HSDPA) CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	WLAN WCDMA CDMA2000	6.62 6.55	± 9.6 % ± 9.6 %
10450 10451 10453 10456 10457 10458 10459	AAD AAB AAA AAA AAA	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc dc) UMTS-FDD (DC-HSDPA) CDMA2000 (1xEV-DO, Rev. B, 2 carriers) CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	WLAN WCDMA CDMA2000 CDMA2000	6.62 6.55 8.25	± 9.6 % ± 9.6 % ± 9.6 %
10450 10451 10453 10456 10457 10458	AAD AAB AAA AAA	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc dc) UMTS-FDD (DC-HSDPA) CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	WLAN WCDMA CDMA2000	6.62 6.55	± 9.6 % ± 9.6 %

EX3DV4- SN:3600

10463	AAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Sub)	LTE-TDD	8.56	± 9.6 %
10464	AAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10465	AAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	± 9.6 %
10466	AAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	± 9.6 %
10467	AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10468	AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	± 9.6 %
10469	AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Sub)	LTE-TDD		
10470	AAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Sub)	LTE-TDD	8.56	± 9.6 %
10470	AAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Sub)	LTE-TDD	7.82	± 9.6 %
10471	AAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Sub)	LTE-TDD	8.32	± 9.6 %
10472	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Sub)	LTE-TDD	8.57	± 9.6 %
10473				7.82	± 9.6 %
	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	± 9.6 %
10475	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	± 9.6 %
10477	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	± 9.6 %
10478	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	± 9.6 %
10479	AAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Sub)	LTE-TDD	7.74	± 9.6 %
10480	AAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Sub)	LTE-TDD	8.18	± 9.6 %
10481	AAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Sub)	LTE-TDD	8.45	± 9.6 %
10482	AAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Sub)	LTE-TDD	7.71	± 9.6 %
10483	AAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, Sub)	LTE-TDD	8.39	± 9.6 %
10484	AAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Sub)	LTE-TDD	8.47	± 9.6 %
10485	AAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Sub)	LTE-TDD	7.59	± 9.6 %
10486	AAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Sub)	LTE-TDD	8.38	± 9.6 %
10487	AAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Sub)	LTE-TDD	8.60	± 9.6 %
10488	AAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Sub)	LTE-TDD	7.70	± 9.6 %
10489	AAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Sub)	LTE-TDD	8.31	± 9.6 %
10490	AAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Sub)	LTE-TDD	8.54	± 9.6 %
10491	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Sub)	LTE-TDD	7.74	± 9.6 %
10492	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Sub)	LTE-TDD	8.41	± 9.6 %
10493	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Sub)	LTE-TDD	8.55	± 9.6 %
10494	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Sub)	LTE-TDD	7.74	± 9.6 %
10495	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Sub)	LTE-TDD	8.37	± 9.6 %
10496	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Sub)	LTE-TDD	8.54	± 9.6 %
10497	AAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Sub)	LTE-TDD	7.67	± 9.6 %
10498	AAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Sub)	LTE-TDD		± 9.6 %
		LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 10-QAM, 0L Sub)		8.40	
10499	AAB		LTE-TDD	8.68	± 9.6 %
10500	AAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Sub)	LTE-TDD	7.67	± 9.6 %
10501	AAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Sub)	LTE-TDD	8.44	± 9.6 %
10502	AAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Sub)	LTE-TDD	8.52	± 9.6 %
10503	AAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Sub)	LTE-TDD	7.72	± 9.6 %
10504	AAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Sub)	LTE-TDD	8.31	± 9.6 %
10505	AAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Sub)	LTE-TDD	8.54	± 9.6 %
10506	AAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Sub)	LTE-TDD	7.74	± 9.6 %
10507	AAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Sub)	LTE-TDD	8.36	± 9.6 %
10508	AAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Sub)	LTE-TDD	8.55	± 9.6 %
10509	AAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Sub)	LTE-TDD	7.99	± 9.6 %
10510	AAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Sub)	LTE-TDD	8.49	± 9.6 %
10511	AAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Sub)	LTE-TDD	8.51	± 9.6 %
10512	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Sub)	LTE-TDD	7.74	± 9.6 %
10513	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Sub)	LTE-TDD	8.42	± 9.6 %
10514	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Sub)	LTE-TDD	8.45	± 9.6 %
10515	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc dc)	WLAN	1.58	± 9.6 %
10516	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc dc)	WLAN	1.57	± 9.6 %
10517	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc dc)	WLAN	1.58	± 9.6 %
10518	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc dc)	WLAN	8.23	± 9.6 %
10519	AAB	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 %
10520	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc dc)	WLAN	7.97	± 9.6 %
			WLAN		
10522	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc dc)		8.45	± 9.6 %
10523	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc dc)	WLAN	8.08	± 9.6 %
10524	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc dc)	WLAN	8.27	± 9.6 %
10525	AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 99pc dc)	WLAN	8.36	± 9.6 %
10526	AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 99pc dc)	WLAN	8.42	± 9.6 %
10527	AAB	IEEE 802.11ac WiFi (20MHz, MCS2, 99pc dc)	WLAN	8.21	± 9.6 %

EX3DV4- SN:3600

10528	AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 99pc dc)	WLAN	8.36	± 9.6 %
10529	AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 99pc dc)	WLAN	8.36	± 9.6 %
10531	AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 99pc dc)	WLAN	8.43	± 9.6 %
0532	AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 99pc dc)	WLAN	8.29	± 9.6 %
0533	AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 99pc dc)	WLAN	8.38	± 9.6 %
0534	AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 99pc dc)	WLAN	8.45	± 9.6 %
10535	AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 99pc dc)	WLAN	8.45	± 9.6 %
10536	AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 99pc dc)	WLAN	8.32	± 9.6 %
10537	AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 99pc dc)	WLAN	8.44	± 9.6 %
10538	AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 99pc dc)	WLAN	8.54	± 9.6 %
10540	AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 99pc dc)	WLAN	8.39	± 9.6 %
10541	AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 99pc dc)	WLAN	8.46	± 9.6 %
10542	AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 99pc dc)	WLAN	8.65	± 9.6 %
10543	AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 99pc dc)	WLAN	8.65	± 9.6 %
10544	AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 99pc dc)	WLAN	8.47	± 9.6 %
10545	AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 99pc dc)	WLAN	8.55	± 9.6 %
10546	AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 99pc dc)	WLAN	8.35	± 9.6 %
10547	AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 99pc dc) IEEE 802.11ac WiFi (80MHz, MCS4, 99pc dc)	WLAN	8.49	± 9.6 %
10548 10550	AAB AAB	IEEE 802.11ac WIFI (80MHz, MCS4, 99pc dc)	WLAN	8.37	± 9.6 %
10550	AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 99pc dc)	WLAN	8.38	± 9.6 %
10552	AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 99pc dc)	WLAN	8.50	± 9.6 %
10552	AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 99pc dc)	WLAN WLAN	8.42	± 9.6 %
10554	AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 99pc dc)	WLAN	8.45	± 9.6 %
10555	AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 99pc dc)	WLAN	8.48	± 9.6 %
10556	AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 99pc dc)	WLAN	8.47	± 9.6 %
10557	AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 99pc dc)	WLAN	8.50	± 9.6 %
10558	AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 99pc dc)	WLAN	8.61	± 9.6 %
10560	AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 99pc dc)	WLAN	8.73	± 9.6 %
10561	AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 99pc dc)	WLAN	8.56	± 9.6 %
10562	AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 99pc dc)	WLAN	8.69	± 9.6 %
10563	AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 99pc dc)	WLAN	8.77	± 9.6 %
10564	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc dc)	WLAN	8.25	± 9.6 %
10565	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc dc)	WLAN	8.45	± 9.6 %
10566	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc dc)	WLAN	8.13	± 9.6 %
10567	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc dc)	WLAN	8.00	± 9.6 %
10568	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc dc)	WLAN	8.37	± 9.6 %
10569	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc dc)	WLAN	8.10	± 9.6 %
10570	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc dc)	WLAN	8.30	± 9.6 %
10571	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc dc)	WLAN	1.99	± 9.6 %
10572	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc dc)	WLAN	1.99	± 9.6 %
10573	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc dc)	WLAN	1.98	± 9.6 %
10574	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc dc)	WLAN	1.98	± 9.6 %
10575	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc dc)	WLAN	8.59	± 9.6 %
10576	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc dc)	WLAN	8.60	± 9.6 %
10577	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc dc)	WLAN	8.70	± 9.6 %
10578	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc dc)	WLAN	8.49	± 9.6 %
10579	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc dc)	WLAN	8.36	± 9.6 %
10580	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc dc)	WLAN	8.76	± 9.6 %
10581	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc dc)	WLAN	8.35	± 9.6 %
10582	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc dc)	WLAN	8.67	± 9.6 %
10583	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc dc)	WLAN	8.59	± 9.6 %
10584	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc dc)	WLAN	8.60	± 9.6 %
10585	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc dc)	WLAN	8.70	± 9.6 %
10586	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc dc)	WLAN	8.49	± 9.6 %
10587	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc dc)	WLAN	8.36	± 9.6 %
10588	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc dc)	WLAN	8.76	± 9.6 %
10589	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc dc)	WLAN	8.35	± 9.6 %
10590	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc dc)	WLAN	8.67	± 9.6 %
10591	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc dc)	WLAN	8.63	± 9.6 %
10592	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc dc)	WLAN	8.79	± 9.6 %
10593	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc dc)	WLAN	8.64	± 9.6 %
10594	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc dc)	WLAN	8.74	± 9.6 %
10595	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc dc)	WLAN	8.74	± 9.6 %

EX3DV4-- SN:3600

10589 AAB IEEE 802.11n (HT Mixed, 20MHz, MCSS, 90pc dc) WLAN 8.72 1 9.8 % 10589 AAB IEEE 802.11n (HT Mixed, 20MHz, MCSS, 90pc dc) WLAN 8.79 1 9.8 % 10589 AAB IEEE 802.11n (HT Mixed, 20MHz, MCSS, 90pc dc) WLAN 8.82 1 9.8 % 10600 AAB IEEE 802.11n (HT Mixed, 40MHz, MCSS, 90pc dc) WLAN 8.82 1 9.8 % 10601 AAB IEEE 802.11n (HT Mixed, 40MHz, MCSS, 80pc dc) WLAN 8.82 1 9.6 % 10602 AAB IEEE 802.11n (HT Mixed, 40MHz, MCSS, 80pc dc) WLAN 8.90 ± 9.6 % 10603 AAB IEEE 802.11n (HT Mixed, 40MHz, MCSS, 80pc dc) WLAN 8.67 ± 9.6 % 10604 AAB IEEE 802.11n (HT Mixed, 40MHz, MCSS, 80pc dc) WLAN 8.62 ± 9.6 % 10605 AAB IEEE 802.11n (HT Mixed, 40MHz, MCSS, 80pc dc) WLAN 8.62 ± 9.6 % 10606 AAB IEEE 802.11n (HT Mixed, 40MHz, MCSS, 80pc dc) WLAN 8.62 ± 9.6 % 10607 AAB IEEE 802.11n (WFI (20MHz, MCS						
10587 AAB IEEE 802.11n (HT IMsd.20MHz, MCS5, 90pc dc) WLAN 8.70 ± 9.6 % 10589 AAB IEEE 802.11n (HT IMsd.20MHz, MCS5, 90pc dc) WLAN 8.70 ± 9.6 % 10500 AAB IEEE 802.11n (HT IMsd.20MHz, MCS3, 90pc dc) WLAN 8.83 ± 9.6 % 10501 AAB IEEE 802.11n (HT IMsd.20MHz, MCS3, 90pc dc) WLAN 8.84 ± 9.6 % 10502 AAB IEEE 802.11n (HT IMsd.20MHz, MCS3, 90pc dc) WLAN 8.94 ± 9.6 % 10504 AAB IEEE 802.11n (HT IMsd.20MHz, MCS3, 80pc dc) WLAN 8.62 ± 9.6 % 10504 AAB IEEE 802.11n (HT IMsd.20MHz, MCS3, 80pc dc) WLAN 8.62 ± 9.6 % 10504 AAB IEEE 802.11n (HT Msd.20MHz, MCS3, 80pc dc) WLAN 8.62 ± 9.6 % 10504 AAB IEEE 802.11n (WF IG2MHz, MCS3, 80pc dc) WLAN 8.62 ± 9.6 % 10504 AAB IEEE 802.11n (WF IG2MHz, MCS3, 80pc dc) WLAN 8.62 ± 9.6 % 10504 AAB IEEE 802.11n (WF IG2MHz, MCS3, 80pc dc) WLAN 8.62 ± 9.6 % 10504 AAB <	10596	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc dc)	WLAN	8.71	± 9.6 %
10589 AAB IEEE 802.11n (HT Mixed, 20MHz, MCS3, 0ppc dc) WLAN 8.79 1 9.6 % 10590 AAB IEEE 802.11n (HT Mixed, 40MHz, MCS3, 0ppc dc) WLAN 8.82 1 9.6 % 10601 AAB IEEE 802.11n (HT Mixed, 40MHz, MCS3, 0ppc dc) WLAN 8.82 1 9.6 % 10601 AAB IEEE 802.11n (HT Mixed, 40MHz, MCS3, 0pc dc) WLAN 8.93 4 9.6 % 10603 AAB IEEE 802.11n (HT Mixed, 40MHz, MCS3, 0pc dc) WLAN 8.77 ± 9.6 % 10605 AAB IEEE 802.11n (HT Mixed, 40MHz, MCS3, 0pc dc) WLAN 8.77 ± 9.6 % 10606 AAB IEEE 802.11n (HT Mixed, 40MHz, MCS3, 0pc dc) WLAN 8.77 ± 9.6 % 10607 AAB IEEE 802.11a (WFI (X0MHz, MCS3, 0pc dc) WLAN 8.77 ± 9.6 % 10608 AAB IEEE 802.11a (WFI (X0MHz, MCS3, 0pc dc) WLAN 8.77 ± 9.6 % 10610 AAB IEEE 802.11a (WFI (X0MHz, MCS3, 0pc dc) WLAN 8.77 ± 9.6 % 10611 AAB IEEE 802.11a (WFI (X0MHz, MCS3, 0pc dc)	10597	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc dc)	WLAN		-
10599 AAB IEEE 802.11n (HT Mised, 40MHz, MCS3, 00pc dc) WLAN 8.88 ± 9.6 % 10600 AAB IEEE 802.11n (HT Mised, 40MHz, MCS3, 00pc dc) WLAN 8.82 ± 9.6 % 10602 AAB IEEE 802.11n (HT Mised, 40MHz, MCS3, 00pc dc) WLAN 8.94 ± 9.6 % 10604 AAB IEEE 802.11n (HT Mised, 40MHz, MCS3, 00pc dc) WLAN 8.76 ± 9.6 % 10606 AAB IEEE 802.11n (HT Mised, 40MHz, MCS3, 00pc dc) WLAN 8.72 ± 9.6 % 10606 AAB IEEE 802.11n (HT Mised, 40MHz, MCS3, 00pc dc) WLAN 8.62 ± 9.6 % 10607 AAB IEEE 802.11ne ViFI (20MHz, MCS3, 00pc dc) WLAN 8.77 ± 9.6 % 10608 AAB IEEE 802.11ne ViFI (20MHz, MCS3, 00pc dc) WLAN 8.77 ± 9.6 % 10610 AAB IEEE 802.11ne ViFI (20MHz, MCS3, 00pc dc) WLAN 8.77 ± 9.6 % 10611 AAB IEEE 802.11ne ViFI (20MHz, MCS3, 00pc dc) WLAN 8.77 ± 9.6 % 10611 AAB IEEE 802.11ne ViFI (20MHz, MCS3, 00pc dc) WLAN 8.24 ± 9.6 % 10611 A	10598	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc dc)	WLAN		
19000 AAB IEEE 802.111n (HT Mieed, 40MHz, MCS3, 90pc dc) WLAN 8.82 19.87 19001 AAB IEEE 802.111n (HT Mieed, 40MHz, MCS3, 90pc dc) WLAN 9.83 19.85 19002 AAB IEEE 802.111n (HT Mieed, 40MHz, MCS3, 90pc dc) WLAN 9.33 19.6 % 19004 AAB IEEE 802.111n (HT Mieed, 40MHz, MCS3, 90pc dc) WLAN 8.97 19.6 % 190605 AAB IEEE 802.111n (HT Mieed, 40MHz, MCS6, 90pc dc) WLAN 8.82 ±9.6 % 190606 AAB IEEE 802.111e WHI (20MHz, MCS6, 90pc dc) WLAN 8.84 ±9.6 % 190607 AAB IEEE 802.111e WHI (20MHz, MCS6, 90pc dc) WLAN 8.77 ±9.6 % 10600 AAB IEEE 802.111e WHI (20MHz, MCS6, 90pc dc) WLAN 8.77 ±9.6 % 10611 AAB IEEE 802.111e WHI (20MHz, MCS6, 90pc dc) WLAN 8.77 ±9.6 % 10613 AAB IEEE 802.111e WHI (20MHz, MCS6, 90pc dc) WLAN 8.82 ±9.6 % 10614 AAB IEEE 802.111e WHI (20MHz, MCS6, 90pc dc)	10599	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc dc)	WLAN		
10601 AAB IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc dc) WLAN 8,42 19,6 % 10602 AAB IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc dc) WLAN 8,6 4 19,6 % 10604 AAB IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc dc) WLAN 8,6 7 ±9,6 % 10605 AAB IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc dc) WLAN 8,2 2 ±9,6 % 10606 AAB IEEE 802.11ac WHI (20MHz, MCS3, 90pc dc) WLAN 8,2 2 ±9,6 % 10607 AAB IEEE 802.11ac WHI (20MHz, MCS3, 90pc dc) WLAN 8,7 2 ±9,6 % 10608 AAB IEEE 802.11ac WHI (20MHz, MCS3, 90pc dc) WLAN 8,7 2 ±9,6 % 10610 AAB IEEE 802.11ac WHI (20MHz, MCS3, 90pc dc) WLAN 8,7 2 ±9,6 % 10611 AAB IEEE 802.11ac WHI (20MHz, MCS3, 90pc dc) WLAN 8,7 2 ±9,6 % 10613 AAB IEEE 802.11ac WHI (20MHz, MCS3, 90pc dc) WLAN 8,8 2 ±9,6 % 10616 AAB IEEE 802.11ac WHI (40MHz, MCS3, 90pc dc) WL	10600	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc dc)	WLAN		
10602 AAB IEEE 802.11n (ITI Mixed, 40MHz, MCS3, 90pc 4c) WLAN 9.94 ± 9.6 % 10603 AAB IEEE 802.11n (ITI Mixed, 40MHz, MCS3, 90pc 4c) WLAN 9.73 19.6 % 10604 AAB IEEE 802.11n (ITI Mixed, 40MHz, MCS3, 90pc 4c) WLAN 9.8 7 19.6 % 10605 AAB IEEE 802.11n (ITI Mixed, 40MHz, MCS3, 90pc 4c) WLAN 8.4 ± 9.6 % 10606 AAB IEEE 802.11ac WFI (20MHz, MCS3, 90pc 4c) WLAN 8.64 ± 9.6 % 10609 AAB IEEE 802.11ac WFI (20MHz, MCS3, 90pc 4c) WLAN 8.77 ± 9.6 % 10610 AAB IEEE 802.11ac WFI (20MHz, MCS3, 90pc 4c) WLAN 8.77 ± 9.6 % 10611 AAB IEEE 802.11ac WFI (20MHz, MCS3, 90pc 4c) WLAN 8.77 ± 9.6 % 10613 AAB IEEE 802.11ac WFI (20MHz, MCS3, 90pc 4c) WLAN 8.42 ± 9.6 % 10614 AAB IEEE 802.11ac WFI (20MHz, MCS3, 90pc 4c) WLAN 8.42 ± 9.6 % 10614 AAB IEEE 802.11ac WFI (20MHz, MCS3, 90pc 4c) WLAN 8.42 ± 9.6 % 10614 AAB IEE	10601	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc dc)	WLAN		
10604 AAB IEEE 802.11n (ITI Mixed, 40MHz, MCS4, 90pc dc) WLAN 8.76 19.0 % 10604 AAB IEEE 802.11n (ITI Mixed, 40MHz, MCS5, 90pc dc) WLAN 8.82 19.0 % 10605 AAB IEEE 802.11n (ITI Mixed, 40MHz, MCS7, 90pc dc) WLAN 8.82 19.0 % 10606 AAB IEEE 802.11ae WFI (20MHz, MCS7, 90pc dc) WLAN 8.72 19.6 % 10600 AAB IEEE 802.11ae WFI (20MHz, MCS7, 90pc dc) WLAN 8.77 19.6 % 10600 AAB IEEE 802.11ae WFI (20MHz, MCS3, 90pc dc) WLAN 8.77 19.6 % 10610 AAB IEEE 802.11ae WFI (20MHz, MCS3, 90pc dc) WLAN 8.70 19.8 % 10911 AAB IEEE 802.11ae WFI (20MHz, MCS3, 90pc dc) WLAN 8.94 19.8 % 10915 AAB IEEE 802.11ae WFI (20MHz, MCS3, 90pc dc) WLAN 8.62 19.6 % 10916 AAB IEEE 802.11ae WFI (20MHz, MCS3, 90pc dc) WLAN 8.62 19.6 % 10917 AAB IEEE 802.11ae WFI (40MHz, MCS3, 90pc dc) WLAN	10602	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc dc)	WLAN		
10504 AAB IEEE 802.11n (HT Mixed, 40MHz, MCSS, 90pc 4c) WLAN 8.76 ± 9.6 % 10505 AAB IEEE 802.11n (HT Mixed, 40MHz, MCSS, 90pc 4c) WLAN 8.82 ± 9.6 % 10506 AAB IEEE 802.11n (HT Mixed, 40MHz, MCSS, 90pc 4c) WLAN 8.64 ± 9.6 % 10509 AAB IEEE 802.11ae WFI (20MHz, MCSS, 90pc 4c) WLAN 8.77 ± 9.6 % 10509 AAB IEEE 802.11ae WFI (20MHz, MCSS, 90pc 4c) WLAN 8.77 ± 9.6 % 10610 AAB IEEE 802.11ae WFI (20MHz, MCSS, 90pc 4c) WLAN 8.77 ± 9.6 % 10611 AAB IEEE 802.11ae WFI (20MHz, MCSS, 90pc 4c) WLAN 8.94 ± 9.6 % 10613 AAB IEEE 802.11ae WFI (20MHz, MCSS, 90pc 4c) WLAN 8.42 ± 9.6 % 10614 AAB IEEE 802.11ae WFI (20MHz, MCSS, 90pc 4c) WLAN 8.62 ± 9.6 % 10614 AAB IEEE 802.11ae WFI (40MHz, MCSS, 90pc 4c) WLAN 8.61 ± 9.6 % 10614 AAB IEEE 802.11ae WFI (40MHz, MCSS, 90pc 4c) WLAN </td <td>10603</td> <td>AAB</td> <td>IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc dc)</td> <td>WLAN</td> <td>_</td> <td></td>	10603	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc dc)	WLAN	_	
10050 AAB IEEE 802.11n (TH Xiked, 40MHz, MCS6, 90pc dc) WLAN 8.97 ± 9.6 % 10005 AAB IEEE 802.11ac WIFI (20MHz, MCS9, 90pc dc) WLAN 8.64 ± 9.6 % 10008 AAB IEEE 802.11ac WIFI (20MHz, MCS9, 90pc dc) WLAN 8.77 ± 9.6 % 10009 AAB IEEE 802.11ac WIFI (20MHz, MCS9, 90pc dc) WLAN 8.77 ± 9.6 % 10010 AAB IEEE 802.11ac WIFI (20MHz, MCS9, 90pc dc) WLAN 8.77 ± 9.6 % 10011 AAB IEEE 802.11ac WIFI (20MHz, MCS9, 90pc dc) WLAN 8.74 ± 9.6 % 10012 AAB IEEE 802.11ac WIFI (20MHz, MCS9, 90pc dc) WLAN 8.94 ± 9.6 % 10914 AAB IEEE 802.11ac WIFI (20MHz, MCS9, 90pc dc) WLAN 8.22 ± 9.6 % 10914 AAB IEEE 802.11ac WIFI (20MHz, MCS9, 90pc dc) WLAN 8.22 ± 9.6 % 10914 AAB IEEE 802.11ac WIFI (40MHz, MCS9, 90pc dc) WLAN 8.22 ± 9.6 % 10916 AAB IEEE 802.11ac WIFI (40MHz, MCS9, 90pc dc) WLAN </td <td>10604</td> <td>AAB</td> <td>IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc dc)</td> <td>WLAN</td> <td></td> <td></td>	10604	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc dc)	WLAN		
19050 AAB IEEE 802.1118 (WFI (AMAL, MCS7, 90pc dc) WLAN 8.82 ± 9.6 % 19050 AAB IEEE 802.1186 (WFI (20MHz, MCS1, 90pc dc) WLAN 8.77 ± 9.6 % 10609 AAB IEEE 802.1186 (WFI (20MHz, MCS3, 90pc dc) WLAN 8.77 ± 9.6 % 10611 AAB IEEE 802.1186 (WFI (20MHz, MCS3, 90pc dc) WLAN 8.76 ± 9.6 % 10611 AAB IEEE 802.1186 (WFI (20MHz, MCS3, 90pc dc) WLAN 8.77 ± 9.6 % 10611 AAB IEEE 802.1186 (WFI (20MHz, MCS8, 90pc dc) WLAN 8.77 ± 9.6 % 10613 AAB IEEE 802.1186 (WFI (20MHz, MCS8, 90pc dc) WLAN 8.28 ± 9.6 % 10616 AAB IEEE 802.1186 (WFI (20MHz, MCS3, 90pc dc) WLAN 8.82 ± 9.6 % 10616 AAB IEEE 802.1186 (WFI (20MHz, MCS3, 90pc dc) WLAN 8.81 ± 9.6 % 10617 AAB IEEE 802.1186 (WFI (40MHz, MCS3, 90pc dc) WLAN 8.81 ± 9.6 % 10617 AAB IEEE 802.1186 (WFI (40MHz, MCS3, 90pc dc) WLAN	10605	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc dc)	WLAN	-	
10007 AAB IEEE 802.11ac WiFi (20MHz, MCS3, 90pc dc) WLAN 8.64 ± 9.6 % 10008 AAB IEEE 802.11ac WiFi (20MHz, MCS3, 90pc dc) WLAN 8.77 ± 9.6 % 10810 AAB IEEE 802.11ac WiFi (20MHz, MCS3, 90pc dc) WLAN 8.76 ± 9.6 % 10811 AAB IEEE 802.11ac WiFi (20MHz, MCS4, 90pc dc) WLAN 8.70 ± 9.6 % 10813 AAB IEEE 802.11ac WiFi (20MHz, MCS4, 90pc dc) WLAN 8.77 ± 9.6 % 10814 AAB IEEE 802.11ac WiFi (20MHz, MCS3, 90pc dc) WLAN 8.59 ± 9.6 % 10816 AAB IEEE 802.11ac WiFi (20MHz, MCS3, 90pc dc) WLAN 8.52 ± 9.6 % 10816 AAB IEEE 802.11ac WiFi (40MHz, MCS3, 90pc dc) WLAN 8.82 ± 9.6 % 10817 AAB IEEE 802.11ac WiFi (40MHz, MCS3, 90pc dc) WLAN 8.82 ± 9.6 % 10820 AAB IEEE 802.11ac WiFi (40MHz, MCS4, 90pc dc) WLAN 8.81 ± 9.6 % 10821 AAB IEEE 802.11ac WiFi (40MHz, MCS4, 90pc dc) WLAN	10606	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc dc)	WLAN		
19680 AAB IEEE 802.11ac WIFI (20MHz, MCS1, 90pc dc) WLAN 8.77 ± 9.6 % 10601 AAB IEEE 802.11ac WIFI (20MHz, MCS3, 90pc dc) WLAN 8.76 ± 9.6 % 10611 AAB IEEE 802.11ac WIFI (20MHz, MCS3, 90pc dc) WLAN 8.77 ± 9.6 % 10611 AAB IEEE 802.11ac WIFI (20MHz, MCS3, 90pc dc) WLAN 8.77 ± 9.6 % 10611 AAB IEEE 802.11ac WIFI (20MHz, MCS3, 90pc dc) WLAN 8.59 ± 9.6 % 10614 AAB IEEE 802.11ac WIFI (20MHz, MCS3, 90pc dc) WLAN 8.29 ± 9.6 % 10615 AAB IEEE 802.11ac WIFI (40MHz, MCS3, 90pc dc) WLAN 8.82 ± 9.6 % 10616 AAB IEEE 802.11ac WIFI (40MHz, MCS3, 90pc dc) WLAN 8.81 ± 9.6 % 10620 AAB IEEE 802.11ac WIFI (40MHz, MCS3, 90pc dc) WLAN 8.86 ± 9.6 % 10621 AAB IEEE 802.11ac WIFI (40MHz, MCS3, 90pc dc) WLAN 8.86 ± 9.6 % 10622 AAB IEEE 802.11ac WIFI (40MHz, MCS3, 90pc dc) WLAN	10607	AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 90pc dc)	WLAN		
10600 AAB IEEE 802.11ac WIF (20MHz, MCS2, 90pc dc) WLAN 8.57 ± 9.6 % 10610 AAB IEEE 802.11ac WIF (20MHz, MCS3, 90pc dc) WLAN 8.70 ± 9.6 % 10612 AAB IEEE 802.11ac WIF (20MHz, MCS6, 90pc dc) WLAN 8.77 ± 9.6 % 10613 AAB IEEE 802.11ac WIF (20MHz, MCS6, 90pc dc) WLAN 8.54 ± 9.6 % 10614 AAB IEEE 802.11ac WIF (20MHz, MCS6, 90pc dc) WLAN 8.59 ± 9.6 % 10615 AAB IEEE 802.11ac WIF (40MHz, MCS9, 90pc dc) WLAN 8.62 ± 9.6 % 10617 AAB IEEE 802.11ac WIF (40MHz, MCS3, 90pc dc) WLAN 8.61 ± 9.6 % 10618 AAB IEEE 802.11ac WIF (40MHz, MCS3, 90pc dc) WLAN 8.68 ± 9.6 % 10617 AAB IEEE 802.11ac WIF (40MHz, MCS3, 90pc dc) WLAN 8.68 ± 9.6 % 10621 AAB IEEE 802.11ac WIF (40MHz, MCS3, 90pc dc) WLAN 8.67 ± 9.6 % 10622 AAB IEEE 802.11ac WIF (40MHz, MCS3, 90pc dc) WLAN <td< td=""><td>10608</td><td>AAB</td><td>IEEE 802.11ac WiFi (20MHz, MCS1, 90pc dc)</td><td>WLAN</td><td></td><td></td></td<>	10608	AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc dc)	WLAN		
10610 AAB IEEE 802.11ac WiF (20MHz, MCS3, 90pc dc) WLAN 8.78 ± 9.6 % 10611 AAB IEEE 802.11ac WiF (20MHz, MCS3, 90pc dc) WLAN 8.77 ± 9.6 % 10613 AAB IEEE 802.11ac WiF (20MHz, MCS3, 90pc dc) WLAN 8.94 ± 9.6 % 10614 AAB IEEE 802.11ac WiF (20MHz, MCS3, 90pc dc) WLAN 8.29 ± 9.6 % 10616 AAB IEEE 802.11ac WiF (20MHz, MCS3, 90pc dc) WLAN 8.82 ± 9.6 % 10616 AAB IEEE 802.11ac WiF (40MHz, MCS3, 90pc dc) WLAN 8.82 ± 9.6 % 10617 AAB IEEE 802.11ac WiF (40MHz, MCS3, 90pc dc) WLAN 8.81 ± 9.6 % 10618 AAB IEEE 802.11ac WiF (40MHz, MCS3, 90pc dc) WLAN 8.86 ± 9.6 % 10620 AAB IEEE 802.11ac WiF (40MHz, MCS3, 90pc dc) WLAN 8.87 ± 9.6 % 10622 AAB IEEE 802.11ac WiF (40MHz, MCS3, 90pc dc) WLAN 8.20 ± 9.6 % 10622 AAB IEEE 802.11ac WiF (40MHz, MCS3, 90pc dc) WLAN <td< td=""><td></td><td></td><td>IEEE 802.11ac WiFi (20MHz, MCS2, 90pc dc)</td><td>WLAN</td><td></td><td></td></td<>			IEEE 802.11ac WiFi (20MHz, MCS2, 90pc dc)	WLAN		
10611 AAB IEEE 802.11ac WIF (20MHz, MCS4, 90pc dc) WLAN 8.70 ± 9.6 % 10612 AAB IEEE 802.11ac WIF (20MHz, MCS5, 90pc dc) WLAN 8.94 ± 9.6 % 10613 AAB IEEE 802.11ac WIF (20MHz, MCS6, 90pc dc) WLAN 8.54 ± 9.6 % 10615 AAB IEEE 802.11ac WIF (20MHz, MCS8, 90pc dc) WLAN 8.62 ± 9.6 % 10616 AAB IEEE 802.11ac WIF (40MHz, MCS9, 90pc dc) WLAN 8.62 ± 9.6 % 10617 AAB IEEE 802.11ac WIF (40MHz, MCS2, 90pc dc) WLAN 8.61 ± 9.6 % 10619 AAB IEEE 802.11ac WIF (40MHz, MCS3, 90pc dc) WLAN 8.86 ± 9.6 % 10622 AAB IEEE 802.11ac WIF (40MHz, MCS3, 90pc dc) WLAN 8.87 ± 9.6 % 10623 AAB IEEE 802.11ac WIF (40MHz, MCS3, 90pc dc) WLAN 8.62 ± 9.6 % 10624 AAB IEEE 802.11ac WIF (40MHz, MCS3, 90pc dc) WLAN 8.62 ± 9.6 % 10625 AAB IEEE 802.11ac WIF (40MHz, MCS3, 90pc dc) WLAN <td< td=""><td></td><td>AAB</td><td></td><td></td><td></td><td></td></td<>		AAB				
10612 AAB IEEE 02:11ac WIF (20MHz, MCSS, 90pc dc) WLAN 8.77 ± 9.6 % 10613 AAB IEEE 02:11ac WIF (20MHz, MCSS, 90pc dc) WLAN 8.59 ± 9.6 % 10614 AAB IEEE 02:11ac WIF (20MHz, MCS7, 90pc dc) WLAN 8.62 ± 9.6 % 10616 AAB IEEE 02:11ac WIF (40MHz, MCS3, 90pc dc) WLAN 8.62 ± 9.6 % 10617 AAB IEEE 02:11ac WIF (40MHz, MCS3, 90pc dc) WLAN 8.61 ± 9.6 % 10618 AAB IEEE 02:11ac WIF (40MHz, MCS3, 90pc dc) WLAN 8.61 ± 9.6 % 10620 AAB IEEE 02:11ac WIF (40MHz, MCS3, 90pc dc) WLAN 8.87 ± 9.6 % 10621 AAB IEEE 02:11ac WIF (40MHz, MCS3, 90pc dc) WLAN 8.68 ± 9.6 % 10622 AAB IEEE 02:11ac WIF (40MHz, MCS3, 90pc dc) WLAN 8.69 ± 9.6 % 10623 AAB IEEE 02:11ac WIF (40MHz, MCS3, 90pc dc) WLAN 8.89 ± 9.6 % 10624 AAB IEEE 02:11ac WIF (40MHz, MCS3, 90pc dc) WLAN 8.89		AAB				
10613 AAB IEEE 802.11ac WIF (20MHz, MCS6, 90pc dc) WLAN 8.94 ± 6.8 % 10614 AAB IEEE 802.11ac WIF (20MHz, MCS6, 90pc dc) WLAN 8.62 ± 9.6 % 10616 AAB IEEE 802.11ac WIF (20MHz, MCS0, 90pc dc) WLAN 8.62 ± 9.6 % 10617 AAB IEEE 802.11ac WIF (40MHz, MCS2, 90pc dc) WLAN 8.63 ± 9.6 % 10618 AAB IEEE 802.11ac WIF (40MHz, MCS2, 90pc dc) WLAN 8.63 ± 9.6 % 10621 AAB IEEE 802.11ac WIF (40MHz, MCS3, 90pc dc) WLAN 8.67 ± 9.6 % 10622 AAB IEEE 802.11ac WIF (40MHz, MCS3, 90pc dc) WLAN 8.68 ± 9.6 % 10623 AAB IEEE 802.11ac WIF (40MHz, MCS3, 90pc dc) WLAN 8.68 ± 9.6 % 10624 AAB IEEE 802.11ac WIF (40MHz, MCS3, 90pc dc) WLAN 8.68 ± 9.6 % 10625 AAB IEEE 802.11ac WIF (40MHz, MCS3, 90pc dc) WLAN 8.69 ± 9.6 % 10626 AAB IEEE 802.11ac WIF (40MHz, MCS3, 90pc dc) WLAN <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td></td<>						
10614 AAB IEEE 802.11ac WiFI (20MHz, MCS7, 90pc dc) WLAN 8.50 ± 3.6 % 10615 AAB IEEE 802.11ac WiFI (40MHz, MCS8, 90pc dc) WLAN 8.82 ± 9.6 % 10616 AAB IEEE 802.11ac WiFI (40MHz, MCS1, 90pc dc) WLAN 8.81 ± 9.6 % 10617 AAB IEEE 802.11ac WiFI (40MHz, MCS3, 90pc dc) WLAN 8.81 ± 9.6 % 10618 AAB IEEE 802.11ac WiFI (40MHz, MCS3, 90pc dc) WLAN 8.86 ± 9.6 % 10620 AAB IEEE 802.11ac WiFI (40MHz, MCS5, 90pc dc) WLAN 8.77 ± 9.6 % 10622 AAB IEEE 802.11ac WiFI (40MHz, MCS6, 90pc dc) WLAN 8.66 ± 9.6 % 10622 AAB IEEE 802.11ac WiFI (40MHz, MCS6, 90pc dc) WLAN 8.68 ± 9.6 % 10624 AAB IEEE 802.11ac WiFI (40MHz, MCS6, 90pc dc) WLAN 8.82 ± 9.6 % 10625 AAB IEEE 802.11ac WiFI (40MHz, MCS9, 90pc dc) WLAN 8.82 ± 9.6 % 10626 AAB IEEE 802.11ac WiFI (40MHz, MCS9, 90pc dc) WLAN 8.83 ± 9.6 % 10627 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
10615 AAB IEEE 802.11ac WIFI (20MHz, MCS8, 90pc dc) WLAN 8.62 ± 9.6 % 10616 AAB IEEE 802.11ac WIFI (40MHz, MCS0, 90pc dc) WLAN 8.62 ± 9.6 % 10617 AAB IEEE 802.11ac WIFI (40MHz, MCS2, 90pc dc) WLAN 8.61 ± 9.6 % 10618 AAB IEEE 802.11ac WIFI (40MHz, MCS3, 90pc dc) WLAN 8.86 ± 9.6 % 10621 AAB IEEE 802.11ac WIFI (40MHz, MCS4, 90pc dc) WLAN 8.87 ± 9.6 % 10621 AAB IEEE 802.11ac WIFI (40MHz, MCS4, 90pc dc) WLAN 8.62 ± 9.6 % 10622 AAB IEEE 802.11ac WIFI (40MHz, MCS5, 90pc dc) WLAN 8.62 ± 9.6 % 10624 AAB IEEE 802.11ac WIFI (40MHz, MCS9, 90pc dc) WLAN 8.86 ± 9.6 % 10625 AAB IEEE 802.11ac WIFI (40MHz, MCS9, 90pc dc) WLAN 8.86 ± 9.6 % 10626 AAB IEEE 802.11ac WIFI (40MHz, MCS3, 90pc dc) WLAN 8.81 ± 9.6 % 10628 AAB IEEEE 802.11ac WIFI (80MHz, MCS3, 90pc dc) WLAN						
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10617 AAB IEEE 602.11ac WIFI (40MHz, MCS1, 90pc dc) WLAN 8.61 ± 9.6 % 10618 AAB IEEE 802.11ac WIFI (40MHz, MCS3, 90pc dc) WLAN 8.58 ± 9.6 % 10620 AAB IEEE 802.11ac WIFI (40MHz, MCS4, 90pc dc) WLAN 8.87 ± 9.6 % 10621 AAB IEEE 802.11ac WIFI (40MHz, MCS6, 90pc dc) WLAN 8.7 ± 9.6 % 10622 AAB IEEE 802.11ac WIFI (40MHz, MCS6, 90pc dc) WLAN 8.68 ± 9.6 % 10623 AAB IEEE 802.11ac WIFI (40MHz, MCS9, 90pc dc) WLAN 8.96 ± 9.6 % 10624 AAB IEEE 802.11ac WIFI (40MHz, MCS9, 90pc dc) WLAN 8.96 ± 9.6 % 10627 AAB IEEE 802.11ac WIFI (80MHz, MCS1, 90pc dc) WLAN 8.96 ± 9.6 % 10626 AAB IEEE 802.11ac WIFI (80MHz, MCS3, 90pc dc) WLAN 8.81 ± 9.6 % 10627 AAB IEEE 802.11ac WIFI (80MHz, MCS3, 90pc dc) WLAN 8.72 ± 9.6 % 10628 AAB IEEE 802.11ac WIFI (80MHz, MCS3, 90pc dc) WLAN						
10618 AAB IEEE B02.11ac WIFI (40MHz, MCS2, 90pc dc) WLAN 8.58 ± 9.6 % 10620 AAB IEEE 802.11ac WIFI (40MHz, MCS3, 90pc dc) WLAN 8.87 ± 9.6 % 10620 AAB IEEE 802.11ac WIFI (40MHz, MCS4, 90pc dc) WLAN 8.71 ± 9.6 % 10621 AAB IEEE 802.11ac WIFI (40MHz, MCS4, 90pc dc) WLAN 8.71 ± 9.6 % 10622 AAB IEEE 802.11ac WIFI (40MHz, MCS7, 90pc dc) WLAN 8.62 ± 9.6 % 10624 AAB IEEE 802.11ac WIFI (40MHz, MCS9, 90pc dc) WLAN 8.96 ± 9.6 % 10625 AAB IEEE 802.11ac WIFI (40MHz, MCS9, 90pc dc) WLAN 8.83 ± 9.6 % 10626 AAB IEEE 802.11ac WIFI (80MHz, MCS3, 90pc dc) WLAN 8.83 ± 9.6 % 10627 AAB IEEE 802.11ac WIFI (80MHz, MCS3, 90pc dc) WLAN 8.85 ± 9.6 % 10628 AAB IEEE 802.11ac WIFI (80MHz, MCS3, 90pc dc) WLAN 8.85 ± 9.6 % 10629 AAB IEEEE 802.11ac WIFI (80MHz, MCS3, 90pc dc) WLAN	the second se					
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10639 AAC IEEE 802.11ac WiFi (160MHz, MCS3, 90pc dc) WLAN 8.85 ± 9.6 % 10640 AAC IEEE 802.11ac WiFi (160MHz, MCS4, 90pc dc) WLAN 8.98 ± 9.6 % 10641 AAC IEEE 802.11ac WiFi (160MHz, MCS5, 90pc dc) WLAN 9.06 ± 9.6 % 10642 AAC IEEE 802.11ac WiFi (160MHz, MCS6, 90pc dc) WLAN 9.06 ± 9.6 % 10643 AAC IEEE 802.11ac WiFi (160MHz, MCS7, 90pc dc) WLAN 9.05 ± 9.6 % 10644 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 90pc dc) WLAN 9.05 ± 9.6 % 10645 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 90pc dc) WLAN 9.05 ± 9.6 % 10646 AAG LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub=2,7) LTE-TDD 11.96 ± 9.6 % 10647 AAF LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub=2,7) LTE-TDD 11.96 ± 9.6 % 10648 AAA CDMA2000 (1x Advanced) CDMA2000 3.45 ± 9.6 % 10652 AAE LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)						
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10642 AAC IEEE 802.11ac WiFi (160MHz, MCS6, 90pc dc) WLAN 9.06 ± 9.6 % 10643 AAC IEEE 802.11ac WiFi (160MHz, MCS7, 90pc dc) WLAN 8.89 ± 9.6 % 10644 AAC IEEE 802.11ac WiFi (160MHz, MCS8, 90pc dc) WLAN 9.05 ± 9.6 % 10645 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 90pc dc) WLAN 9.01 ± 9.6 % 10646 AAG LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub=2,7) LTE-TDD 11.96 ± 9.6 % 10647 AAF LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub=2,7) LTE-TDD 11.96 ± 9.6 % 10648 AAA CDMA2000 (1x Advanced) CDMA2000 3.45 ± 9.6 % 10652 AAE LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 6.91 ± 9.6 % 10653 AAE LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 7.42 ± 9.6 % 10654 AAD LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 7.21 ± 9.6 % 10655 AAE LTE-TDD (OFDMA, 20 MHz, E-TM 3.						
10643 AAC IEEE 802.11ac WiFi (160MHz, MCS7, 90pc dc) WLAN 8.89 ± 9.6 % 10644 AAC IEEE 802.11ac WiFi (160MHz, MCS8, 90pc dc) WLAN 9.05 ± 9.6 % 10645 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 90pc dc) WLAN 9.11 ± 9.6 % 10646 AAG LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub=2,7) LTE-TDD 11.96 ± 9.6 % 10647 AAF LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub=2,7) LTE-TDD 11.96 ± 9.6 % 10648 AAA CDMA2000 (1x Advanced) CDMA2000 3.45 ± 9.6 % 10652 AAE LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 6.91 ± 9.6 % 10653 AAE LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 7.42 ± 9.6 % 10654 AAD LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 7.21 ± 9.6 % 10655 AAE LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 7.21 ± 9.6 % 10658 AAA Pulse Waveform (200Hz,						
10644 AAC IEEE 802.11ac WiFi (160MHz, MCS8, 90pc dc) WLAN 9.05 ± 9.6 % 10645 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 90pc dc) WLAN 9.11 ± 9.6 % 10646 AAG LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub=2,7) LTE-TDD 11.96 ± 9.6 % 10647 AAF LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub=2,7) LTE-TDD 11.96 ± 9.6 % 10648 AAA CDMA2000 (1x Advanced) CDMA2000 3.45 ± 9.6 % 10652 AAE LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 6.91 ± 9.6 % 10653 AAE LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 7.42 ± 9.6 % 10654 AAD LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 7.42 ± 9.6 % 10655 AAE LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 7.21 ± 9.6 % 10658 AAA Pulse Waveform (200Hz, 10%) Test 10.00 ± 9.6 % 10659 AAA Pulse Waveform (200Hz, 20%)						
10645 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 90pc dc) WLAN 9.11 ± 9.6 % 10646 AAG LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub=2,7) LTE-TDD 11.96 ± 9.6 % 10647 AAF LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub=2,7) LTE-TDD 11.96 ± 9.6 % 10648 AAA CDMA2000 (1x Advanced) CDMA2000 3.45 ± 9.6 % 10652 AAE LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 6.91 ± 9.6 % 10653 AAE LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 7.42 ± 9.6 % 10654 AAD LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 6.96 ± 9.6 % 10655 AAE LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 7.21 ± 9.6 % 10658 AAA Pulse Waveform (200Hz, 10%) Test 10.00 ± 9.6 % 10660 AAA Pulse Waveform (200Hz, 20%) Test 3.98 ± 9.6 % 10661 AAA Pulse Waveform (200Hz, 40%) Test <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
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10662 AAA Pulse Waveform (200Hz, 80%) Test 0.97 ± 9.6 % 10670 AAA Bluetooth Low Energy Bluetooth 2.19 ± 9.6 %						
10670 AAA Bluetooth Low Energy Bluetooth 2.19 ± 9.6 %					-	
10671 AAA IEEE 802.11ax (20MHz, MCS0, 90pc dc) WLAN 9.09 ± 9.6 %						
	10671	AAA	IEEE 802.11ax (20MHz, MCS0, 90pc dc)		9.09	±9.6 %

EX3DV4- SN:3600

10672	AAA	IEEE 802.11ax (20MHz, MCS1, 90pc dc)	WLAN	8.57	± 9.6 %
10673	AAA	IEEE 802.11ax (20MHz, MCS2, 90pc dc)	WLAN	8.78	± 9.6 %
10674	AAA	IEEE 802.11ax (20MHz, MCS3, 90pc dc)	WLAN	8.74	± 9.6 %
10675	AAA	IEEE 802.11ax (20MHz, MCS4, 90pc dc)	WLAN	8.90	± 9.6 %
10676	AAA	IEEE 802.11ax (20MHz, MCS5, 90pc dc)	WLAN	8.77	±9.6 %
10677	AAA	IEEE 802.11ax (20MHz, MCS6, 90pc dc)	WLAN	8.73	± 9.6 %
10678	AAA	IEEE 802.11ax (20MHz, MCS7, 90pc dc)	WLAN	8.78	± 9.6 %
10679	AAA	IEEE 802.11ax (20MHz, MCS8, 90pc dc)	WLAN	8.89	± 9.6 %
10680	AAA	IEEE 802.11ax (20MHz, MCS9, 90pc dc)	WLAN	8.80	± 9.6 %
10681		IEEE 802.11ax (20MHz, MCS10, 90pc dc)	WLAN	8.62	±9.6 %
10682	AAA	IEEE 802.11ax (20MHz, MCS11, 90pc dc)	WLAN	8.83	±9.6 %
10683		IEEE 802.11ax (20MHz, MCS0, 99pc dc)	WLAN	8.42	± 9.6 %
10684	AAA	IEEE 802.11ax (20MHz, MCS1, 99pc dc)	WLAN	8.26	± 9.6 %
10686		IEEE 802.11ax (20MHz, MCS2, 99pc dc) IEEE 802.11ax (20MHz, MCS3, 99pc dc)	WLAN WLAN	8.33	± 9.6 %
10687		IEEE 802.11ax (20MHz, MCS3, 99pc dc)	WLAN	8.28	± 9.6 %
10688		IEEE 802.11ax (20MHz, MCS4, 99pc dc)		8.45	± 9.6 %
10689		IEEE 802.11ax (20MHz, MCS5, 99pc dc)	WLAN	8.29 8.55	± 9.6 %
10690		IEEE 802.11ax (20MHz, MCS7, 99pc dc)	WLAN	8.35	± 9.6 % ± 9.6 %
10691		IEEE 802.11ax (20MHz, MCS8, 99pc dc)		8.29	± 9.6 %
10692	AAA	IEEE 802.11ax (20MHz, MCS9, 99pc dc)	WLAN	8.29	± 9.6 %
10693	AAA	IEEE 802.11ax (20MHz, MCS10, 99pc dc)	WLAN	8.25	± 9.6 %
10694	AAA	IEEE 802.11ax (20MHz, MCS11, 99pc dc)	WLAN	8.57	± 9.6 %
10695	AAA	IEEE 802.11ax (40MHz, MCS0, 90pc dc)	WLAN	8.78	± 9.6 %
10696	AAA	IEEE 802.11ax (40MHz, MCS1, 90pc dc)	WLAN	8.91	± 9.6 %
10697	AAA	IEEE 802.11ax (40MHz, MCS2, 90pc dc)	WLAN	8.61	± 9.6 %
10698	AAA	IEEE 802.11ax (40MHz, MCS3, 90pc dc)	WLAN	8.89	± 9.6 %
10699	AAA	IEEE 802.11ax (40MHz, MCS4, 90pc dc)	WLAN	8.82	±9.6 %
10700	AAA	IEEE 802.11ax (40MHz, MCS5, 90pc dc)	WLAN	8.73	±9.6 %
10701	AAA	IEEE 802.11ax (40MHz, MCS6, 90pc dc)	WLAN	8.86	±9.6 %
10702	AAA	IEEE 802.11ax (40MHz, MCS7, 90pc dc)	WLAN	8.70	±9.6 %
10703	AAA	IEEE 802.11ax (40MHz, MCS8, 90pc dc)	WLAN	8.82	± 9.6 %
10704	AAA	IEEE 802.11ax (40MHz, MCS9, 90pc dc)	WLAN	8.56	± 9.6 %
10705	AAA	IEEE 802.11ax (40MHz, MCS10, 90pc dc)	WLAN	8.69	±9.6%
10706		IEEE 802.11ax (40MHz, MCS11, 90pc dc)		8.66	± 9.6 %
10707		IEEE 802.11ax (40MHz, MCS0, 99pc dc)	WLAN	8.32	± 9.6 %
10708 10709		IEEE 802.11ax (40MHz, MCS1, 99pc dc)	WLAN WLAN	8.55	± 9.6 %
10709	AAA	IEEE 802.11ax (40MHz, MCS2, 99pc dc) IEEE 802.11ax (40MHz, MCS3, 99pc dc)	WLAN	8.33 8.29	± 9.6 %
10710		IEEE 802.11ax (40MHz, MCS3, 99pc dc)	WLAN	8.29	±9.6%
10712		IEEE 802.11ax (40MHz, MCS4, 950c dc)	WLAN	8.67	±9.6 % ±9.6 %
10712	AAA	IEEE 802.11ax (40MHz, MCS3, 99pc dc)	WLAN	8.33	± 9.6 %
10713		IEEE 802.11ax (40MHz, MCS0, 35pc dc)	WLAN	8.26	± 9.6 %
10715	AAA	IEEE 802.11ax (40MHz, MCS8, 99pc dc)	WLAN	8.45	± 9.6 %
10716	AAA	IEEE 802.11ax (40MHz, MCS9, 99pc dc)	WLAN	8.30	± 9.6 %
10717	AAA	IEEE 802.11ax (40MHz, MCS10, 99pc dc)	WLAN	8.48	± 9.6 %
10718	AAA	IEEE 802.11ax (40MHz, MCS11, 99pc dc)	WLAN	8.24	± 9.6 %
10719	AAA	IEEE 802.11ax (80MHz, MCS0, 90pc dc)	WLAN	8.81	± 9.6 %
10720	AAA	IEEE 802.11ax (80MHz, MCS1, 90pc dc)	WLAN	8.87	± 9.6 %
10721	AAA	IEEE 802.11ax (80MHz, MCS2, 90pc dc)	WLAN	8.76	±9.6 %
10722	AAA	IEEE 802.11ax (80MHz, MCS3, 90pc dc)	WLAN	8.55	± 9.6 %
10723	AAA	IEEE 802.11ax (80MHz, MCS4, 90pc dc)	WLAN	8.70	± 9.6 %
10724	AAA	IEEE 802.11ax (80MHz, MCS5, 90pc dc)	WLAN	8.90	± 9.6 %
10725	AAA	IEEE 802.11ax (80MHz, MCS6, 90pc dc)	WLAN	8.74	± 9.6 %
10726	AAA	IEEE 802.11ax (80MHz, MCS7, 90pc dc)	WLAN	8.72	±9.6 %
10727	AAA	IEEE 802.11ax (80MHz, MCS8, 90pc dc)	WLAN	8.66	± 9.6 %
10728	AAA	IEEE 802.11ax (80MHz, MCS9, 90pc dc)	WLAN	8.65	± 9.6 %
10729		IEEE 802.11ax (80MHz, MCS10, 90pc dc)	WLAN	8.64	± 9.6 %
10730		IEEE 802.11ax (80MHz, MCS11, 90pc dc)	WLAN	8.67	± 9.6 %
10731		IEEE 802.11ax (80MHz, MCS0, 99pc dc)		8.42	± 9.6 %
10732		IEEE 802.11ax (80MHz, MCS1, 99pc dc)		8.46	± 9.6 %
10733		IEEE 802.11ax (80MHz, MCS2, 99pc dc)		8.40	± 9.6 %
10734 10735		IEEE 802.11ax (80MHz, MCS3, 99pc dc) IEEE 802.11ax (80MHz, MCS4, 99pc dc)	WLAN WLAN	8.25	± 9.6 %
1 10/30	1 ~~~			8.33	± 9.6 %

10736	AAA	IEEE 802.11ax (80MHz, MCS5, 99pc dc)	WLAN	8.27	± 9.6 %
10737	AAA	IEEE 802.11ax (80MHz, MCS6, 99pc dc)	WLAN	8.36	± 9.6 %
10738	AAA	IEEE 802.11ax (80MHz, MCS7, 99pc dc)	WLAN	8.42	± 9.6 %
10739	AAA	IEEE 802.11ax (80MHz, MCS8, 99pc dc)		8.29	± 9.6 %
10740	AAA	IEEE 802.11ax (80MHz, MCS9, 99pc dc)	WLAN	8.48	± 9.6 %
10741	AAA	IEEE 802.11ax (80MHz, MCS10, 99pc dc)	WLAN	8.40	±9.6 %
10742	AAA	IEEE 802.11ax (80MHz, MCS11, 99pc dc)	WLAN	8.43	± 9.6 %
10743	AAA	IEEE 802.11ax (160MHz, MCS0, 90pc dc)	WLAN	8.94	± 9.6 %
10744	AAA	IEEE 802.11ax (160MHz, MCS1, 90pc dc)	WLAN	9.16	± 9.6 %
10745	AAA	IEEE 802.11ax (160MHz, MCS2, 90pc dc)	WLAN	8.93	± 9.6 %
10746	AAA	IEEE 802.11ax (160MHz, MCS3, 90pc dc)	WLAN	9.11	± 9.6 %
10747		IEEE 802.11ax (160MHz, MCS4, 90pc dc)	WLAN	9.04	±9.6 %
10748	AAA	IEEE 802.11ax (160MHz, MCS5, 90pc dc)	WLAN	8.93	±9.6 %
10749	AAA	IEEE 802.11ax (160MHz, MCS6, 90pc dc)	WLAN	8.90	±9.6%
10750	AAA	IEEE 802.11ax (160MHz, MCS7, 90pc dc)	WLAN	8.79	±9.6 %
10751	AAA	IEEE 802.11ax (160MHz, MCS8, 90pc dc)	WLAN	8.82	± 9.6 %
10752	AAA	IEEE 802.11ax (160MHz, MCS9, 90pc dc)	WLAN	8.81	±9.6 %
10753	AAA	IEEE 802.11ax (160MHz, MCS10, 90pc dc)	WLAN	9.00	±9.6 %
10754	AAA	IEEE 802.11ax (160MHz, MCS11, 90pc dc)	WLAN	8.94	± 9.6 %
10755	AAA	IEEE 802.11ax (160MHz, MCS0, 99pc dc)	WLAN	8.64	± 9.6 %
10756	AAA	IEEE 802.11ax (160MHz, MCS1, 99pc dc)	WLAN	8.77	± 9.6 %
10757	AAA	IEEE 802.11ax (160MHz, MCS2, 99pc dc)	WLAN	8.77	± 9.6 %
10758	AAA	IEEE 802.11ax (160MHz, MCS3, 99pc dc)	WLAN	8.69	± 9.6 %
10759	AAA	IEEE 802.11ax (160MHz, MCS4, 99pc dc)	WLAN	8.58	± 9.6 %
10760	AAA	IEEE 802.11ax (160MHz, MCS5, 99pc dc)	WLAN	8.49	± 9.6 %
10761	AAA	IEEE 802.11ax (160MHz, MCS6, 99pc dc)	WLAN	8.58	± 9.6 %
10762	AAA	IEEE 802.11ax (160MHz, MCS7, 99pc dc)	WLAN	8.49	± 9.6 %
10763	AAA	IEEE 802.11ax (160MHz, MCS8, 99pc dc)	WLAN	8.53	± 9.6 %
10764	AAA	IEEE 802.11ax (160MHz, MCS9, 99pc dc)	WLAN	8.54	± 9.6 %
10765	AAA	IEEE 802.11ax (160MHz, MCS10, 99pc dc)	WLAN	8.54	± 9.6 %
10766	AAA	IEEE 802.11ax (160MHz, 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	AAB	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	AAB	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	AAB	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	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 5G NR FR1 TDD	8.43	±9.6 %
10783	AAC	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)		8.31	± 9.6 %
10784	AAC	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.29	± 9.6 %
10785	AAC	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.40	± 9.6 %
10786	AAC	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10787	AAC	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.44	± 9.6 %
10788	AAC	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	± 9.6 %
10789	AAC	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.37	<u>±9.6 %</u>
10790		5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD 5G NR FR1 TDD	8.39	±9.6 %
10791	AAC	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)		7.83	± 9.6 %
10792	AAC	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.92	±9.6 %
10793	AAC	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz) 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD 5G NR FR1 TDD	7.95 7.82	± 9.6 %
10794		5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	<u>± 9.6 %</u> ± 9.6 %
10795	AAC	5G NR (CP-OFDM, 1 RB, 30 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	8.01	± 9.6 %
10797	AAC	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	± 9.6 %
10799	AAC	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 KHz)	5G NR FR1 TDD	7.93	± 9.6 %
_10/99	1 100			1.35	1 3.0 /0

10801 AAC 56 NR PR: TDD 7.89 ± 9.6 % 10802 AAC 56 NR (CP-OFDM, 198, 90 MHz, OPSK, 30 Hz) 56 NR PR: TDD 7.89 ± 9.6 % 10805 AAC 56 NR (CP-OFDM, 198, 96 NHz, OPSK, 30 Hz) 56 NR PR: TDD 8.34 ± 8.6 % 10805 AAC 56 NR (CP-OFDM, 50% RB, 150 MHz, OPSK, 30 Hz) 56 NR PR: TDD 8.34 ± 8.6 % 10808 AAC 56 NR (CP-OFDM, 50% RB, 10 MHz, OPSK, 30 Hz) 56 NR PR: TDD 8.34 ± 8.6 % 10819 AAC 56 NR (CP-OFDM, 50% RB, 10 MHz, OPSK, 30 Hz) 56 NR PR: TDD 8.35 ± 8.6 % 10819 AAC 56 NR (CP-OFDM, 100% RB, 10 MHz, OPSK, 30 Hz) 56 NR PR: TDD 8.35 ± 8.6 % 10819 AAC 56 NR (CP-OFDM, 100% RB, 20 MHz, OPSK, 30 Hz) 56 NR PR: TDD 8.31 ± 8.6 % 10821 AAC 56 NR (CP-OFDM, 100% RB, 20 MHz, OPSK, 20 Hz) 56 NR PR: TDD 8.31 ± 8.6 % 10822 AAC 56 NR (CP-OFDM, 100% RB, 20 MHz, OPSK, 20 Hz) 56 NR PR: TDD 8.31 ± 9.6 % 10823 AAC 56 NR (CP-OF				r		<u></u>
ACC SG NR (CP-OFDM, 1988, 100 MHz, OPSK, 30 KHz) SG NR FRI TDD 8.34 9.96 K 10805 AAC SG NR (CP-OFDM, 50%, RD, 15 MHz, OPSK, 30 KHz) SG NR FRI TDD 8.34 19.6 K 10809 AAC SG NR (CP-OFDM, 50%, RD, 15 MHz, OPSK, 30 KHz) SG NR FRI TDD 8.34 19.6 K 10809 AAC SG NR (CP-OFDM, 50%, RD, 20 MHz, OPSK, 30 KHz) SG NR FRI TDD 8.34 19.6 K 10812 AAC SG NR (CP-OFDM, 50%, RD, 20 MHz, OPSK, 30 KHz) SG NR FRI TDD 8.33 19.6 K 10818 AAC SG NR (CP-OFDM, 100%, RD, 15 MHz, OPSK, 30 KHz) SG NR FRI TDD 8.34 19.6 K 10820 AAC SG NR (CP-OFDM, 100%, RD, 15 MHz, OPSK, 30 KHz) SG NR FRI TDD 8.31 19.6 K 10821 AAC SG NR (CP-OFDM, 100%, RD, 25 MHz, OPSK, 30 KHz) SG NR FRI TDD 8.31 19.6 K 10824 AAC SG NR (CP-OFDM, 100%, RD, 50 MHz, OPSK, 30 KHz) SG NR FRI TDD 8.34 19.6 K 10824 AAC SG NR (CP-OFDM, 100%, RD, 50 MHz, OPSK, 30 KHz) SG NR FRI TDD 8.34 19.6 K 108	10801	AAC	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	
10865 AAC 55 MR (CP-OFDM, 50% RB, 10 MHz, OPSK, 30 HHz) 55 MR RFR ITDD 9,37 4 9,6 % 10806 AAC 55 MR (CP-OFDM, 50% RB, 30 MHz, OPSK, 30 HHz) 55 MR RFR ITDD 8,34 4 9,6 % 10810 AAC 55 MR (CP-OFDM, 50% RB, 30 MHz, OPSK, 30 HHz) 55 MR RFR ITDD 8,34 4 9,6 % 10810 AAC 55 MR (CP-OFDM, 50% RB, 60 MHz, OPSK, 30 HHz) 55 NR RFR ITDD 8,33 4 9,6 % 10817 AAC 55 MR (CP-OFDM, 100% RB, 50 MHz, OPSK, 30 HHz) 55 NR RFR ITDD 8,33 4 9,6 % 10818 AAC 55 MR (CP-OFDM, 100% RB, 20 MHz, OPSK, 30 HHz) 55 NR RFR ITDD 8,34 4 9,6 % 10821 AAC 55 MR (CP-OFDM, 100% RB, 20 MHz, OPSK, 30 HHz) 55 NR RFR ITDD 8,41 4 9,6 % 10823 AAC 55 MR (CP-OFDM, 100% RB, 30 MHz, OPSK, 30 HHz) 55 NR RFR ITDD 8,41 4 9,6 % 10824 AAC 55 MR (CP-OFDM, 100% RB, 30 MHz, OPSK, 30 HHz) 55 NR RFR ITDD 8,41 2 9,6 % 10823 AAC 55 MR (CP-OFDM, 100% RB, 30 MHz, OPSK, 30 HHz) 55 NR RFR ITDD 8,42 2 9,6 % <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
10800 AAC GS NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 Hz) SG NN FR1 TDD 5,37 ± 9,6 % 10810 AAC GG NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 Hz) SG NR FR1 TDD 5,34 ± 9,6 % 10811 AAC GG NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 Hz) SG NR FR1 TDD 8,34 ± 9,6 % 10817 AAC GG NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 Hz) SG NR FR1 TDD 8,34 ± 9,6 % 10818 AAC GG NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 Hz) SG NR FR1 TDD 8,34 ± 9,6 % 10820 AAC GG NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 Hz) SG NR FR1 TDD 8,34 ± 9,6 % 10821 AAC GG NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 Hz) SG NR FR1 TDD 8,41 ± 9,6 % 10822 AAC GG NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 Hz) SG NR FR1 TDD 8,41 ± 9,6 % 10824 AAC GG NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 Hz) SG NR FR1 TDD 8,42 ± 9,6 % 10827 AAC GG NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 Hz) SG NR FR1 TDD 8,42 ± 9,6 % <tr< td=""><td></td><td></td><td></td><td></td><td>7.93</td><td></td></tr<>					7.93	
10800 AAC GS NR (CP-OPDM, 50% RB, 30 MHz, OPSK, 30 HHz) SG NR FR1 TDD 8.34 ± 9.6 % 10810 AAC GS NR (CP-OPDM, 50% RB, 60 MHz, OPSK, 30 HHz) SG NR FR1 TDD 8.35 ± 9.6 % 10811 AAC GS NR (CP-OPDM, 100% RB, 50 MHz, OPSK, 30 HHz) SG NR FR1 TDD 8.35 ± 9.6 % 10818 AAC GS NR (CP-OPDM, 100% RB, 10 MHz, OPSK, 30 HHz) SG NR FR1 TDD 8.33 ± 9.6 % 10821 AAC GS NR (CP-OPDM, 100% RB, 20 MHz, OPSK, 30 HHz) SG NR FR1 TDD 8.31 ± 9.6 % 10821 AAC GS NR (CP-OPDM, 100% RB, 20 MHz, OPSK, 30 HHz) SG NR FR1 TDD 8.41 ± 9.6 % 10822 AAC GS NR (CP-OPDM, 100% RB, 30 MHz, OPSK, 30 HHz) SG NR FR1 TDD 8.41 ± 9.6 % 10823 AAC GS NR (CP-OPDM, 100% RB, 90 MHz, OPSK, 30 HHz) SG NR FR1 TDD 8.42 ± 9.6 % 10824 AAC GS NR (CP-OPDM, 100% RB, 90 MHz, OPSK, 30 HHz) SG NR FR1 TDD 8.42 ± 9.6 % 10825 AAC GS NR (CP-OPDM, 106% RB, 90 MHz, OPSK, 30 HHz) SG NR FR1 TDD 7.73 ± 9.6 %					8.34	
10810 AAC 66 NR (CP-OFDM, 50% RB, 40 MHz, OPSK, 30 HHz) 5G NR FR1 TDD 8.35 ± 9.6 % 10812 AAC 65 NR (CP-OFDM, 50% RB, 50 MHz, OPSK, 30 HHz) 5G NR FR1 TDD 8.35 ± 9.6 % 10818 AAC 65 NR (CP-OFDM, 100% RB, 10 MHz, OPSK, 30 HHz) 5G NR FR1 TDD 8.34 ± 9.6 % 10820 AAC 65 NR (CP-OFDM, 100% RB, 20 MHz, OPSK, 30 HHz) 5G NR FR1 TDD 8.33 ± 9.6 % 10821 AAC 65 NR (CP-OFDM, 100% RB, 20 MHz, OPSK, 30 HHz) 5G NR FR1 TDD 8.41 ± 9.6 % 10822 AAC 65 NR (CP-OFDM, 100% RB, 30 MHz, OPSK, 30 HHz) 5G NR FR1 TDD 8.41 ± 9.6 % 10824 AAC 65 NR (CP-OFDM, 100% RB, 60 MHz, OPSK, 30 HHz) 5G NR FR1 TDD 8.41 ± 9.6 % 10827 AAC 65 NR (CP-OFDM, 100% RB, 60 MHz, OPSK, 30 HHz) 5G NR FR1 TDD 8.41 ± 9.6 % 10828 AAC 65 NR (CP-OFDM, 100% RB, 50 MHz, OPSK, 50 HHz) 5G NR FR1 TDD 7.61 ± 9.6 % 10829 AAC 65 NR (CP-OFDM, 100% RB, 50 MHz, OPSK, 50 HHz) 5G NR FR1 TDD 7.71 ± 9.6 % </td <td></td> <td></td> <td></td> <td></td> <td>8.37</td> <td></td>					8.37	
10812 AAC G NR (CP-OPEM, 100% RB, 60 MHz, OPSK, 30 HHz) SG NR FR1 TDD 8.35 ± 9.6 % 10818 AAC GG NR (CP-OPEM, 100% RB, 10 MHz, OPSK, 30 HHz) SG NR FR1 TDD 8.34 ± 9.6 % 10819 AAC GG NR (CP-OPEM, 100% RB, 10 MHz, OPSK, 30 HHz) SG NR FR1 TDD 8.31 ± 9.6 % 10821 AAC GS NR (CP-OPEM, 100% RB, 20 MHz, OPSK, 30 HHz) SG NR FR1 TDD 8.41 ± 9.6 % 10822 AAC GS NR (CP-OPEM, 100% RB, 20 MHz, OPSK, 30 HHz) SG NR FR1 TDD 8.41 ± 9.6 % 10823 AAC GS NR (CP-OFEM, 100% RB, 50 MHz, OPSK, 30 HHz) GG NR FR1 TDD 8.39 ± 9.6 % 10824 AAC GS NR (CP-OFEM, 100% RB, 60 MHz, OPSK, 30 HHz) GG NR FR1 TDD 8.41 ± 9.6 % 10825 AAC GS NR (CP-OFEM, 100% RB, 60 MHz, OPSK, 30 HHz) SG NR FR1 TDD 8.43 ± 9.6 % 10826 AAC GS NR (CP-OFEM, 100% RB, 60 MHz, OPSK, 50 HHz) SG NR FR1 TDD 8.43 ± 9.6 % 10827 AAC GS NR (CP-OFEM, 100% RB, 00 MHz, OPSK, 60 Hz) SG NR FR1 TDD 8.43 ± 9.6 %		L		· · · · · · · · · · · · · · · · · · ·	8.34	
19817 AAC GS NR (CP-OFDM, 100% RB, 51 MHz, QPSK, 30 Hz) GG NR FR1 TDD 8.35 ± 9.6 % 19818 AAC GG NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 Hz) GG NR FR1 TDD 8.31 ± 9.6 % 19820 AAC GG NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 Hz) GG NR FR1 TDD 8.41 ± 9.6 % 19821 AAC GG NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 Hz) GG NR FR1 TDD 8.41 ± 9.6 % 19822 AAC GG NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 Hz) GG NR FR1 TDD 8.41 ± 9.6 % 19824 AAC GG NR (CP-OFDM, 100% RB, 00 MHz, QPSK, 30 Hz) GG NR FR1 TDD 8.31 ± 9.6 % 19824 AAC GS NR (CP-OFDM, 100% RB, 00 MHz, QPSK, 30 Hz) GG NR FR1 TDD 8.41 ± 9.6 % 19827 AAC GS NR (CP-OFDM, 100% RB, 00 MHz, QPSK, 50 Hz) GG NR FR1 TDD 8.43 ± 9.6 % 19828 AAC GS NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 Hz) GG NR FR1 TDD 7.74 ± 9.6 % 19831 AAC GS NR (CP-OFDM, 118, 10 MHz, QPSK, 60 Hz) GG NR FR1 TDD 7.76 ± 9.6 %						
10818 AAC 50 NR (CP-OFDM, 100% RB, 15 MHz, OPSK, 30 HHz) 50 NR FR1 TDD 8.3 12 6.5 NR 10820 AAC 50 NR (CP-OFDM, 100% RB, 25 MHz, OPSK, 30 HHz) 50 NR FR1 TDD 8.30 ±9.6 % 10821 AAC 50 NR (CP-OFDM, 100% RB, 25 MHz, OPSK, 30 HHz) 50 NR FR1 TDD 8.41 ±9.6 % 10822 AAC 50 NR (CP-OFDM, 100% RB, 20 MHz, OPSK, 30 HHz) 50 NR FR1 TDD 8.41 ±9.6 % 10823 AAC 50 NR (CP-OFDM, 100% RB, 20 MHz, OPSK, 30 HHz) 50 NR FR1 TDD 8.41 ±9.6 % 10824 AAC 50 NR (CP-OFDM, 100% RB, 20 MHz, OPSK, 30 HHz) 50 NR FR1 TDD 8.43 ±9.6 % 10825 AAC 50 NR (CP-OFDM, 100% RB, 20 MHz, OPSK, 30 HHz) 50 NR FR1 TDD 8.43 ±9.6 % 10826 AAC 50 NR (CP-OFDM, 100% RB, 10 MHz, OPSK, 30 HHz) 50 NR FR1 TDD 7.43 ±9.6 % 10827 AAC 50 NR (CP-OFDM, 100% RB, 10 MHz, OPSK, 30 HHz) 50 NR FR1 TDD 7.63 ±9.6 % 10828 AAC 50 NR (CP-OFDM, 100% RB, 10 MHz, OPSK, 50 HHz) 50 NR FR1 TDD 7.63 ±9.6 %						±9.6 %
10819 AAC 5G NR (FC-OFDM, 100% RB, 15 MHz, OPSK, 30 HHz) 5G NR FR1 TDD 6.33 ± 2.6 r % 10821 AAC 5G NR (FC-OFDM, 100% RB, 20 MHz, OPSK, 30 HHz) 5G NR FR1 TDD 8.41 ± 9.6 % 10822 AAC 5G NR (FC-OFDM, 100% RB, 30 MHz, OPSK, 30 HHz) 5G NR FR1 TDD 8.41 ± 9.6 % 10823 AAC 5G NR (FC-OFDM, 100% RB, 30 MHz, OPSK, 30 HHz) 5G NR FR1 TDD 6.36 ± 9.6 % 10824 AAC 5G NR (FC-OFDM, 100% RB, 50 MHz, OPSK, 30 HHz) 5G NR FR1 TDD 6.42 ± 9.6 % 10825 AAC 5G NR (FC-OFDM, 100% RB, 50 MHz, OPSK, 30 HHz) 5G NR FR1 TDD 6.42 ± 9.6 % 10826 AAC 5G NR (FC-OFDM, 100% RB, 100 MHz, OPSK, 30 Hz) 5G NR FR1 TDD 6.43 ± 9.6 % 10827 AAC 5G NR (FC-OFDM, 178, 80 MHz, OPSK, 50 Hz) 5G NR FR1 TDD 7.63 ± 9.6 % 10828 AAC 5G NR (FC-OFDM, 178, 90 MHz, OPSK, 50 Hz) 5G NR FR1 TDD 7.73 ± 9.6 % 10830 AAC 5G NR (FC-OFDM, 178, 90 MHz, OPSK, 50 Hz) 5G NR FR1 TDD 7.70 ± 9.6 % <tr< td=""><td></td><td></td><td></td><td></td><td></td><td></td></tr<>						
10820 AAC 55 NR (CP-OPEM, 100% RR, 25 MHz, OPSK, 30 HHz) 55 NR FR1 TDD 8.30 ± 56 % 10821 AAC 56 NR (CP-OPEM, 100% RR, 25 MHz, OPSK, 30 HHz) 55 NR FR1 TDD 8.41 ± 9.6 % 10823 AAC 56 NR (CP-OPEM, 100% RR, 20 MHz, OPSK, 30 HHz) 55 NR FR1 TDD 8.36 ± 9.6 % 10824 AAC 56 NR (CP-OPEM, 100% RR, 50 MHz, QPSK, 30 HHz) 56 NR FR1 TDD 6.31 ± 9.6 % 10825 AAC 56 NR (CP-OPEM, 100% RR, 50 MHz, QPSK, 30 HHz) 56 NR FR1 TDD 6.41 ± 9.6 % 10828 AAC 56 NR (CP-OPEM, 100% RR, 100 MHz, QPSK, 30 HHz) 56 NR FR1 TDD 8.43 ± 9.6 % 10829 AAC 56 NR (CP-OPEM, 100% RR, 100 MHz, QPSK, 50 Hz) 56 NR FR1 TDD 7.63 ± 9.8 % 10831 AAC 56 NR (CP-OPEM, 11 RB, 10 MHz, QPSK, 50 Hz) 56 NR FR1 TDD 7.73 ± 9.8 % 10833 AAC 56 NR (CP-OPEM, 11 RB, 30 MHz, QPSK, 50 Hz) 56 NR FR1 TDD 7.75 ± 9.8 % 10833 AAC 56 NR (CP-OPEM, 11 RB, 30 MHz, QPSK, 60 Hz) 56 NR FR1 TDD 7.76 ± 9.6 %					8.34	
10821 AAC 55 NR (CP-OPDM, 100% RB, 25 MHz, OPSK, 30 HHz) 55 NR FR1 TDD 8.41 1 ± 6.6 % 10822 AAC 56 NR (CP-OPDM, 100% RB, 30 MHz, OPSK, 30 HHz) 55 NR FR1 TDD 8.36 ± 9.6 % 10824 AAC 56 NR (CP-OPDM, 100% RB, 50 MHz, OPSK, 30 HHz) 55 NR FR1 TDD 8.36 ± 9.6 % 10825 AAC 56 NR (CP-OPDM, 100% RB, 50 MHz, OPSK, 30 HHz) 56 NR FR1 TDD 6.42 ± 9.6 % 10827 AAC 56 NR (CP-OPDM, 100% RB, 80 MHz, OPSK, 30 HHz) 56 NR FR1 TDD 6.42 ± 9.6 % 10828 AAC 56 NR (CP-OPDM, 100% RB, 80 MHz, OPSK, 30 HHz) 56 NR FR1 TDD 6.42 ± 9.6 % 10830 AAC 56 NR (CP-OPDM, 1RB, 15 MHz, OPSK, 60 KHz) 56 NR FR1 TDD 7.73 ± 9.6 % 10832 AAC 56 NR (CP-OPDM, 1RB, 25 MHz, OPSK, 60 KHz) 56 NR FR1 TDD 7.70 ± 9.6 % 10832 AAC 56 NR (CP-OPDM, 1RB, 30 MHz, OPSK, 60 KHz) 56 NR FR1 TDD 7.70 ± 9.6 % 10833 AAC 56 NR (CP-OPDM, 1RB, 30 MHz, OPSK, 60 KHz) 56 NR FR1 TDD 7.70 ± 9.6 %						
10822 AAC 5G NN (CP-OFDM, 109% RB, 30 MHz, OPSK, 30 HHz) 5G NN FRI TDD 8.41 ± 9.5 % 10824 AAC 5G NN (CP-OFDM, 109% RB, 50 MHz, OPSK, 30 HHz) 5G NN FRI TDD 8.39 ± 9.6 % 10825 AAC 5G NN (CP-OFDM, 109% RB, 50 MHz, OPSK, 30 HHz) 5G NN FRI TDD 8.41 ± 9.6 % 10827 AAC 5G NN (CP-OFDM, 109% RB, 50 MHz, OPSK, 30 HHz) 5G NN FRI TDD 8.42 ± 9.6 % 10828 AAC 5G NN (CP-OFDM, 109% RB, 50 MHz, OPSK, 30 HHz) 5G NN FRI TDD 8.42 ± 9.6 % 10829 AAC 5G NN (CP-OFDM, 109% RB, 100 MHz, OPSK, 80 HHz) 5G NN FRI TDD 7.63 ± 9.6 % 10831 AAC 5G NN (CP-OFDM, 118, 15 MHz, OPSK, 80 HHz) 5G NN FRI TDD 7.73 ± 9.6 % 10832 AAC 5G NN (CP-OFDM, 118, 20 MHz, OPSK, 80 HHz) 5G NN FRI TDD 7.73 ± 9.6 % 10833 AAC 5G NN (CP-OFDM, 118, 20 MHz, OPSK, 80 HHz) 5G NN FRI TDD 7.70 ± 9.6 % 10835 AAC 5G NN (CP-OFDM, 118, 20 MHz, OPSK, 80 HHz) 5G NN FRI TDD 7.70 ± 9.6 %					8.30	<u>±9.6 %</u>
10823 AAC 5G NR (CP-OFDM. 109% RB. 50 MHz, OPSK, 30 Hz) 5G NR FR1 TDD 8.36 ± 9.6 % 10824 AAC 5G NR (CP-OFDM. 109% RB. 50 MHz, OPSK, 30 Hz) 5G NR FR1 TDD 8.41 ± 9.6 % 10825 AAC 5G NR (CP-OFDM. 109% RB. 50 MHz, OPSK, 30 Hz) 5G NR FR1 TDD 8.42 ± 9.6 % 10828 AAC 5G NR (CP-OFDM. 109% RB, 90 MHz, OPSK, 30 Hz) 5G NR FR1 TDD 8.43 ± 9.6 % 10828 AAC 5G NR (CP-OFDM. 109% RB, 100 MHz, OPSK, 30 Hz) 5G NR FR1 TDD 7.63 ± 9.6 % 10830 AAC 5G NR (CP-OFDM. 18, 10 MHz, OPSK, 60 KHz) 5G NR FR1 TDD 7.73 ± 9.6 % 10831 AAC 5G NR (CP-OFDM. 18, 20 MHz, OPSK, 60 KHz) 5G NR FR1 TDD 7.74 ± 9.6 % 10832 AAC 5G NR (CP-OFDM. 18, 20 MHz, OPSK, 60 KHz) 5G NR FR1 TDD 7.76 ± 9.6 % 10833 AAC 5G NR (CP-OFDM. 18, 50 MHz, OPSK, 60 KHz) 5G NR FR1 TDD 7.76 ± 9.6 % 10834 AAC 5G NR (CP-OFDM. 18, 50 MHz, OPSK, 60 KHz) 5G NR FR1 TDD 7.66 ± 9.6 % 10						
10824 AAC 5G NR (CP-OFDM, 100% RB, 50 MHz, OPSK, 30 HHz) 5G NR FR1 TDD 6.39 ± 9.6 % 10827 AAC 5G NR (CP-OFDM, 100% RB, 80 MHz, OPSK, 30 HHz) 5G NR FR1 TDD 8.41 ± 9.6 % 10828 AAC 5G NR (CP-OFDM, 100% RB, 90 MHz, OPSK, 30 HHz) 5G NR FR1 TDD 8.42 ± 9.6 % 10829 AAC 5G NR (CP-OFDM, 100% RB, 100 MHz, OPSK, 50 HHz) 5G NR FR1 TDD 7.63 ± 9.6 % 10831 AAC 5G NR (CP-OFDM, 18, 15 MHz, OPSK, 60 HHz) 5G NR FR1 TDD 7.73 ± 9.6 % 10832 AAC 5G NR (CP-OFDM, 18, 25 MHz, OPSK, 60 HHz) 5G NR FR1 TDD 7.74 ± 9.6 % 10833 AAC 5G NR (CP-OFDM, 18, 20 MHz, OPSK, 60 HHz) 5G NR FR1 TDD 7.76 ± 9.6 % 10835 AAC 5G NR (CP-OFDM, 18, 30 MHz, OPSK, 60 HHz) 5G NR FR1 TDD 7.76 ± 9.6 % 10835 AAC 5G NR (CP-OFDM, 18, 80 MHz, OPSK, 60 HHz) 5G NR FR1 TDD 7.76 ± 9.6 % 10836 AAC 5G NR (CP-OFDM, 18, 80 MHz, OPSK, 60 HHz) 5G NR FR1 TDD 7.77 ± 9.6 % 10		1				
10825 AAC 5G NR (CP-OFDM, 100% RB, 60 MHz, OPSK, 30 HHz) 5G NR FR1 TDD 8.41 ± 9.6 % 10827 AAC 5G NR (CP-OFDM, 100% RB, 90 MHz, OPSK, 30 HHz) 5G NR FR1 TDD 8.42 ± 9.6 % 10829 AAC 5G NR (CP-OFDM, 100% RB, 90 MHz, OPSK, 30 HHz) 5G NR FR1 TDD 8.43 ± 9.6 % 10830 AAC 5G NR (CP-OFDM, 1RB, 10 MHz, OPSK, 60 KHz) 5G NR FR1 TDD 7.63 ± 9.6 % 10831 AAC 5G NR (CP-OFDM, 1RB, 10 MHz, OPSK, 60 KHz) 5G NR FR1 TDD 7.73 ± 9.6 % 10832 AAC 5G NR (CP-OFDM, 1RB, 20 MHz, OPSK, 60 KHz) 5G NR FR1 TDD 7.74 ± 9.6 % 10833 AAC 5G NR (CP-OFDM, 1RB, 20 MHz, OPSK, 60 KHz) 5G NR FR1 TDD 7.70 ± 9.6 % 10834 AAC 5G NR (CP-OFDM, 1RB, 50 MHz, OPSK, 60 KHz) 5G NR FR1 TDD 7.70 ± 9.6 % 10835 AAC 5G NR (CP-OFDM, 1RB, 50 MHz, OPSK, 60 KHz) 5G NR FR1 TDD 7.70 ± 9.6 % 10836 AAC 5G NR (CP-OFDM, 1RB, 50 MHz, OPSK, 60 KHz) 5G NR FR1 TDD 7.71 ± 9.6 % 1						
10827 AAC 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 KHz) 5G NR FR1 TDD 8.42 ± 9.6 % 10829 AAC 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 KHz) 5G NR FR1 TDD 8.43 ± 9.6 % 10829 AAC 5G NR (CP-OFDM, 1RB, 100 MHz, QPSK, 30 KHz) 5G NR FR1 TDD 7.63 ± 9.6 % 10831 AAC 5G NR (CP-OFDM, 1RB, 100 MHz, QPSK, 60 KHz) 5G NR FR1 TDD 7.73 ± 9.6 % 10832 AAC 5G NR (CP-OFDM, 1RB, 20 MHz, QPSK, 60 KHz) 5G NR FR1 TDD 7.74 ± 9.6 % 10833 AAC 5G NR (CP-OFDM, 1RB, 20 MHz, QPSK, 60 KHz) 5G NR FR1 TDD 7.77 ± 9.6 % 10835 AAC 5G NR (CP-OFDM, 1RB, 40 MHz, QPSK, 60 KHz) 5G NR FR1 TDD 7.70 ± 9.6 % 10836 AAC 5G NR (CP-OFDM, 1RB, 50 MHz, QPSK, 60 KHz) 5G NR FR1 TDD 7.70 ± 9.6 % 10837 AAC 5G NR (CP-OFDM, 1RB, 50 MHz, QPSK, 60 KHz) 5G NR FR1 TDD 7.70 ± 9.6 % 10843 AAC 5G NR (CP-OFDM, 1RB, 50 MHz, QPSK, 60 KHz) 5G NR FR1 TDD 7.71 ± 9.6 % 10					8.39	±9.6 %
10828 AAC 56 NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 KHz) 56 NR FR1 TDD 8.43 ± 9.6 % 10830 AAC 56 NR (CP-OFDM, 1RB, 10 MHz, QPSK, 60 KHz) 56 NR FR1 TDD 7.63 ± 9.6 % 10831 AAC 56 NR (CP-OFDM, 1RB, 10 MHz, QPSK, 60 KHz) 56 NR FR1 TDD 7.73 ± 9.6 % 10832 AAC 56 NR (CP-OFDM, 1RB, 20 MHz, QPSK, 60 KHz) 56 NR FR1 TDD 7.74 ± 9.6 % 10833 AAC 56 NR (CP-OFDM, 1RB, 20 MHz, QPSK, 60 KHz) 56 NR FR1 TDD 7.70 ± 9.6 % 10834 AAC 56 NR (CP-OFDM, 1RB, 30 MHz, QPSK, 60 KHz) 56 NR FR1 TDD 7.70 ± 9.6 % 10835 AAC 56 NR (CP-OFDM, 1RB, 50 MHz, QPSK, 60 KHz) 56 NR FR1 TDD 7.66 ± 9.6 % 10836 AAC 56 NR (CP-OFDM, 1RB, 80 MHz, QPSK, 60 KHz) 56 NR FR1 TDD 7.66 ± 9.6 % 10841 AAC 56 NR (CP-OFDM, 1RB, 80 MHz, QPSK, 60 KHz) 56 NR FR1 TDD 7.71 ± 9.6 % 10844 AAC 56 NR (CP-OFDM, 1RB, 80 MHz, QPSK, 60 KHz) 56 NR FR1 TDD 7.71 ± 9.6 % 10844 AAC 56 NR (CP-OFDM, 50% RB, 20 MHz, Q						±9.6 %
10829 AAC 56 NR (CP-OFDM, 10% RB, 100 MHz, QPSK, 60 KHz) 56 NR FR1 TDD 8.40 ± 9.6 % 10830 AAC 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 KHz) 5G NR RF1 TDD 7.73 ± 9.6 % 10831 AAC 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 KHz) 5G NR RF1 TDD 7.74 ± 9.6 % 10832 AAC 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 KHz) 5G NR FR1 TDD 7.77 ± 9.6 % 10833 AAC 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 KHz) 5G NR FR1 TDD 7.70 ± 9.6 % 10835 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 KHz) 5G NR FR1 TDD 7.66 ± 9.6 % 10836 AAC 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 KHz) 5G NR FR1 TDD 7.66 ± 9.6 % 10837 AAC 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 KHz) 5G NR FR1 TDD 7.70 ± 9.6 % 10838 AAC 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 KHz) 5G NR FR1 TDD 7.71 ± 9.6 % 10843 AAC 5G NR (CP-OFDM, 10% RB, 10 MHz, QPSK, 60 KHz) 5G NR FR1 TDD 8.41 ± 9.6 % <		1			8.42	±9.6 %
10830 AAC 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 KHz) 5G NR FF1 TDD 7.63 ± 9.6 % 10831 AAC SG NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 KHz) SG NR FR1 TDD 7.73 ± 9.6 % 10832 AAC SG NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 KHz) SG NR FR1 TDD 7.74 ± 9.6 % 10834 AAC SG NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 KHz) SG NR FR1 TDD 7.70 ± 9.6 % 10834 AAC SG NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 KHz) SG NR FR1 TDD 7.76 ± 9.6 % 10836 AAC SG NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 KHz) SG NR FR1 TDD 7.68 ± 9.6 % 10837 AAC SG NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 KHz) SG NR FR1 TDD 7.68 ± 9.6 % 10840 AAC SG NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 KHz) SG NR FR1 TDD 7.71 ± 9.6 % 10841 AAC SG NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 KHz) SG NR FR1 TDD 7.71 ± 9.6 % 10844 AAC SG NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 KHz) SG NR FR1 TDD 7.44 ± 9.6 % 108	10828			5G NR FR1 TDD	8.43	±9.6 %
10831 AAC 5G NR (CP-OFDM, 1 RB, 20 MHz, OPSK, 60 KHz) 5G NR FR1 TDD 7.73 1.96.% 10832 AAC 5G NR (CP-OFDM, 1 RB, 20 MHz, OPSK, 60 KHz) 5G NR FR1 TDD 7.74 1.9.6.% 10833 AAC 5G NR (CP-OFDM, 1 RB, 20 MHz, OPSK, 60 KHz) 5G NR FR1 TDD 7.75 1.9.6.% 10834 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, OPSK, 60 KHz) 5G NR FR1 TDD 7.76 1.9.6.% 10835 AAC 5G NR (CP-OFDM, 1 RB, 40 MHz, OPSK, 60 KHz) 5G NR FR1 TDD 7.66 1.9.6.% 10837 AAC 5G NR (CP-OFDM, 1 RB, 80 MHz, OPSK, 60 KHz) 5G NR FR1 TDD 7.67 1.9.6.% 10840 AAC 5G NR (CP-OFDM, 1 RB, 100 MHz, OPSK, 60 KHz) 5G NR FR1 TDD 7.67 1.9.6.% 10844 AAC 5G NR (CP-OFDM, 1 RB, 100 MHz, OPSK, 60 KHz) 5G NR FR1 TDD 7.61 1.9.6.% 10844 AAC 5G NR (CP-OFDM, 50% RB, 15 MHz, OPSK, 60 KHz) 5G NR FR1 TDD 7.61 1.9.6.% 10844 AAC 5G NR (CP-OFDM, 50% RB, 10 MHz, OPSK, 60 KHz) 5G NR FR1 TDD 8.41 1.9.6.% <t< td=""><td></td><td></td><td></td><td>5G NR FR1 TDD</td><td>8.40</td><td>± 9.6 %</td></t<>				5G NR FR1 TDD	8.40	± 9.6 %
10832 AAC 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 KHz) 5G NR FR1 TDD 7.74 19.8 % 10833 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 KHz) 5G NR FR1 TDD 7.70 19.6 % 10835 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 KHz) 5G NR FR1 TDD 7.70 19.6 % 10835 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 KHz) 5G NR FR1 TDD 7.66 9.6 % 10837 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 KHz) 5G NR FR1 TDD 7.66 9.6 % 10837 AAC 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 KHz) 5G NR FR1 TDD 7.68 9.6 % 10840 AAC 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 KHz) 5G NR FR1 TDD 7.71 19.6 % 10841 AAC 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 KHz) 5G NR FR1 TDD 8.34 19.6 % 10844 AAC 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 KHz) 5G NR FR1 TDD 8.34 19.6 % 10844 AAC 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 KHz) 5G NR FR1 TDD 8.34 19.6 % 10844 <td><u> </u></td> <td></td> <td></td> <td></td> <td></td> <td></td>	<u> </u>					
10833 AAC 5G NR (CP-OFDM, 1 RB, 25 MHz, OPSK, 60 KHz) 5G NR FR1 TDD 7.70 1.93.% 10834 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, OPSK, 60 KHz) 5G NR FR1 TDD 7.75 1.9.6.% 10835 AAC 5G NR (CP-OFDM, 1 RB, 40 MHz, OPSK, 60 KHz) 5G NR FR1 TDD 7.66 1.9.6.% 10837 AAC 5G NR (CP-OFDM, 1 RB, 60 MHz, OPSK, 60 KHz) 5G NR FR1 TDD 7.66 1.9.6.% 10837 AAC 5G NR (CP-OFDM, 1 RB, 60 MHz, OPSK, 60 KHz) 5G NR FR1 TDD 7.67 1.9.6.% 10840 AAC 5G NR (CP-OFDM, 1 RB, 100 MHz, OPSK, 60 KHz) 5G NR FR1 TDD 7.71 1.9.6.% 10841 AAC 5G NR (CP-OFDM, 50% RB, 15 MHz, OPSK, 60 KHz) 5G NR FR1 TDD 8.49 1.9.6.% 10844 AAC 5G NR (CP-OFDM, 50% RB, 20 MHz, OPSK, 60 KHz) 5G NR FR1 TDD 8.41 1.9.6.% 10844 AAC 5G NR (CP-OFDM, 100% RB, 10 MHz, OPSK, 60 KHz) 5G NR FR1 TDD 8.34 1.9.6.% 10844 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, OPSK, 60 KHz) 5G NR FR1 TDD 8.34 1.9.6.%	10831		5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.73	± 9.6 %
10834 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, OPSK, 60 KHz) 5G NR FR1 TDD 7.76 ± 9.6 % 10835 AAC 5G NR (CP-OFDM, 1 RB, 60 MHz, OPSK, 60 KHz) 5G NR FR1 TDD 7.76 ± 9.6 % 10837 AAC 5G NR (CP-OFDM, 1 RB, 60 MHz, OPSK, 60 KHz) 5G NR FR1 TDD 7.66 ± 9.6 % 10837 AAC 5G NR (CP-OFDM, 1 RB, 80 MHz, OPSK, 60 KHz) 5G NR FR1 TDD 7.67 ± 9.6 % 10840 AAC 5G NR (CP-OFDM, 1 RB, 90 MHz, OPSK, 60 KHz) 5G NR FR1 TDD 7.67 ± 9.6 % 10841 AAC 5G NR (CP-OFDM, 1 RB, 90 MHz, OPSK, 60 KHz) 5G NR FR1 TDD 7.67 ± 9.6 % 10844 AAC 5G NR (CP-OFDM, 50% RB, 15 MHz, OPSK, 60 KHz) 5G NR FR1 TDD 8.34 ± 9.6 % 10846 AAC 5G NR (CP-OFDM, 50% RB, 10 MHz, OPSK, 60 KHz) 5G NR FR1 TDD 8.34 ± 9.6 % 10846 AAC 5G NR (CP-OFDM, 100% RB, 10 MHz, OPSK, 60 KHz) 5G NR FR1 TDD 8.34 ± 9.6 % 10846 AAC 5G NR (CP-OFDM, 100% RB, 10 MHz, OPSK, 60 KHz) 5G NR FR1 TDD 8.34 ± 9.6 %						±9.6 %
10835 AAC 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 KHz) 5G NR FR1 TDD 7.70 ± 9.6 % 10836 AAC 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 KHz) 5G NR FR1 TDD 7.66 ± 9.6 % 10837 AAC 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 KHz) 5G NR FR1 TDD 7.70 ± 9.6 % 10840 AAC 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.71 ± 9.6 % 10841 AAC 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.49 ± 9.6 % 10844 AAC 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.44 ± 9.6 % 10844 AAC 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.41 ± 9.6 % 10845 AAC 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.34 ± 9.6 % 10846 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 KHz) 5G NR FR1 TDD 8.34 ± 9.6 % 10856 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 KHz) 5G NR FR1 TDD 8.35 ± 9.6 %	10833	AAC	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	±9.6 %
10836 AAC 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 KHz) 5G NR FR1 TDD 7.66 ± 9.6 % 10837 AAC 5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 KHz) 5G NR FR1 TDD 7.66 ± 9.6 % 10840 AAC 5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 KHz) 5G NR FR1 TDD 7.77 ± 9.6 % 10841 AAC 5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 KHz) 5G NR FR1 TDD 7.71 ± 9.6 % 10843 AAC 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 KHz) 5G NR FR1 TDD 8.49 ± 9.6 % 10844 AAC 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 KHz) 5G NR FR1 TDD 8.41 ± 9.6 % 10846 AAC 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 KHz) 5G NR FR1 TDD 8.34 ± 9.6 % 10856 AAC 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 KHz) 5G NR FR1 TDD 8.34 ± 9.6 % 10857 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 KHz) 5G NR FR1 TDD 8.35 ± 9.6 % 10858 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 KHz) 5G NR FR1 TDD 8.33 ± 9.6 %	10834	AAC	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.75	± 9.6 %
10837 AAC 5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 KHz) 5G NR FR1 TDD 7.68 ± 9.6 % 10839 AAC 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 KHz) 5G NR FR1 TDD 7.70 ± 9.6 % 10840 AAC 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 KHz) 5G NR FR1 TDD 7.71 ± 9.6 % 10841 AAC 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 KHz) 5G NR FR1 TDD 8.49 ± 9.6 % 10843 AAC 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.34 ± 9.6 % 10844 AAC 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.34 ± 9.6 % 10855 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.34 ± 9.6 % 10856 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.35 ± 9.6 % 10857 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.36 ± 9.6 % 10858 AAC 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.34 ± 9.6 % <t< td=""><td>10835</td><td>AAC</td><td>5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz)</td><td>5G NR FR1 TDD</td><td>7.70</td><td>± 9.6 %</td></t<>	10835	AAC	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	± 9.6 %
10839 AAC 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 KHz) 5G NR FR1 TDD 7.70 ± 9.6 % 10840 AAC 5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 KHz) 5G NR FR1 TDD 7.71 ± 9.6 % 10841 AAC 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 KHz) 5G NR FR1 TDD 8.49 ± 9.6 % 10843 AAC 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 KHz) 5G NR FR1 TDD 8.44 ± 9.6 % 10844 AAC 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 KHz) 5G NR FR1 TDD 8.41 ± 9.6 % 10845 AAC 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 KHz) 5G NR FR1 TDD 8.34 ± 9.6 % 10856 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 KHz) 5G NR FR1 TDD 8.34 ± 9.6 % 10857 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 KHz) 5G NR FR1 TDD 8.35 ± 9.6 % 10858 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 KHz) 5G NR FR1 TDD 8.36 ± 9.6 % 10860 AAC 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 KHz) 5G NR FR1 TDD 8.41 ± 9.6 %	10836	AAC	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.66	± 9.6 %
10840 AAC 5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.67 \pm 9.6 % 10841 AAC 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.49 \pm 9.6 % 10843 AAC 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.43 \pm 9.6 % 10844 AAC 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.41 \pm 9.6 % 10854 AAC 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.34 \pm 9.6 % 10855 AAC 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.36 \pm 9.6 % 10856 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.33 \pm 9.6 % 10857 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.34 \pm 9.6 % 10858 AAC 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.34 \pm 9.6 % 10858 AAC 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.41 \pm 9.6 % 10868 AAC 5G NR (CP-OFDM, 100% RB, 50 MHz	10837	AAC	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.68	± 9.6 %
10841 AAC 5G NR (CP-OFDM, 188, 100 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.71 ± 9.6 % 10843 AAC 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.49 ± 9.6 % 10844 AAC 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.34 ± 9.6 % 10846 AAC 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.34 ± 9.6 % 10856 AAC 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.34 ± 9.6 % 10856 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.35 ± 9.6 % 10857 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.35 ± 9.6 % 10859 AAC 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.34 ± 9.6 % 10860 AAC 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.41 ± 9.6 % 10861 AAC 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.41 ± 9.6 %	10839	AAC	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	± 9.6 %
10843 AAC 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.49 ± 9.6 % 10844 AAC 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.34 ± 9.6 % 10854 AAC 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.34 ± 9.6 % 10854 AAC 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.34 ± 9.6 % 10855 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.35 ± 9.6 % 10856 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.35 ± 9.6 % 10857 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.36 ± 9.6 % 10858 AAC 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.34 ± 9.6 % 10858 AAC 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.41 ± 9.6 % 10864 AAC 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.41 ± 9.6 % 10864 AAC 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz) </td <td>10840</td> <td>AAC</td> <td>5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)</td> <td></td> <td>7.67</td> <td>± 9.6 %</td>	10840	AAC	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)		7.67	± 9.6 %
10844 AAC 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.34 ± 9.6 % 10846 AAC 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.34 ± 9.6 % 10854 AAC 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.34 ± 9.6 % 10855 AAC 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.36 ± 9.6 % 10857 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.35 ± 9.6 % 10857 AAC 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.34 ± 9.6 % 10858 AAC 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.34 ± 9.6 % 10869 AAC 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.41 ± 9.6 % 10861 AAC 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.41 ± 9.6 % 10863 AAC 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.41 ± 9.6 % <	10841	AAC	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.71	±9.6 %
10846 AAC 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.41 ± 9.6 % 10854 AAC 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.34 ± 9.6 % 10855 AAC 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.36 ± 9.6 % 10856 AAC 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.37 ± 9.6 % 10857 AAC 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.35 ± 9.6 % 10858 AAC 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.36 ± 9.6 % 10859 AAC 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.41 ± 9.6 % 10860 AAC 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.41 ± 9.6 % 10861 AAC 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.41 ± 9.6 % 10864 AAC 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.41 ± 9.6 %	10843	AAC	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.49	±9.6 %
10854 AAC 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.34 ± 9.6 % 10855 AAC 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.36 ± 9.6 % 10856 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.37 ± 9.6 % 10857 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.35 ± 9.6 % 10858 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.34 ± 9.6 % 10859 AAC 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.41 ± 9.6 % 10860 AAC 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.41 ± 9.6 % 10861 AAC 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.41 ± 9.6 % 10864 AAC 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.41 ± 9.6 % 10865 AAC 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ± 9.6 %	10844	AAC	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10855 AAC 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.36 ± 9.6 % 10856 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.37 ± 9.6 % 10857 AAC 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.35 ± 9.6 % 10858 AAC 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.34 ± 9.6 % 10859 AAC 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.41 ± 9.6 % 10860 AAC 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.41 ± 9.6 % 10861 AAC 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.41 ± 9.6 % 10864 AAC 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.41 ± 9.6 % 10865 AAC 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ± 9.6 % 10866 AAC 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ± 9.6 % </td <td>10846</td> <td>AAC</td> <td>5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)</td> <td>5G NR FR1 TDD</td> <td>8.41</td> <td>±9.6 %</td>	10846	AAC	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6 %
10856 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.37 ± 9.6 % 10857 AAC 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.35 ± 9.6 % 10858 AAC 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.36 ± 9.6 % 10859 AAC 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.34 ± 9.6 % 10860 AAC 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.41 ± 9.6 % 10861 AAC 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.41 ± 9.6 % 10864 AAC 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.41 ± 9.6 % 10865 AAC 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.41 ± 9.6 % 10866 AAC 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ± 9.6 % 10869 AAD 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 5.75 ± 9.	10854	AAC	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	±9.6 %
10857 AAC 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.35 ± 9.6 % 10858 AAC 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.36 ± 9.6 % 10859 AAC 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.34 ± 9.6 % 10860 AAC 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.41 ± 9.6 % 10861 AAC 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.41 ± 9.6 % 10863 AAC 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.41 ± 9.6 % 10864 AAC 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.41 ± 9.6 % 10865 AAC 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ± 9.6 % 10868 AAC 5G NR (DFT-s-OFDM, 10% RB, 100 MHz, QPSK, 30 kHz) 5G NR FR2 TDD 5.75 ± 9.6 % 10870 AAD 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 5.75 ± 9.6	10855	AAC	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	±9.6 %
10858 AAC 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.36 ± 9.6 % 10859 AAC 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.34 ± 9.6 % 10860 AAC 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.41 ± 9.6 % 10861 AAC 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.41 ± 9.6 % 10863 AAC 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.41 ± 9.6 % 10864 AAC 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.41 ± 9.6 % 10865 AAC 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ± 9.6 % 10868 AAC 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) 5G NR FR2 TDD 5.75 ± 9.6 % 10870 AAD 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 5.75 ± 9.6 % 10871 AAD 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 5.75 ±	10856	AAC	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	±9.6 %
10859 AAC 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.34 ± 9.6 % 10860 AAC 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.41 ± 9.6 % 10861 AAC 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.41 ± 9.6 % 10863 AAC 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.41 ± 9.6 % 10864 AAC 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.41 ± 9.6 % 10865 AAC 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.41 ± 9.6 % 10866 AAC 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ± 9.6 % 10868 AAC 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 5.75 ± 9.6 % 10870 AAD 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 5.75 ± 9.6 % 10871 AAD 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 102 kHz) 5G NR FR2 TDD 5.75 ± 9	10857	AAC	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.35	<u>±9.6</u> %
10860 AAC 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.41 ± 9.6 % 10861 AAC 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.40 ± 9.6 % 10863 AAC 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.41 ± 9.6 % 10864 AAC 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.41 ± 9.6 % 10865 AAC 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.41 ± 9.6 % 10866 AAC 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ± 9.6 % 10868 AAC 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) 5G NR FR1 TDD 5.89 ± 9.6 % 10870 AAD 5G NR (DFT-s-OFDM, 1 00% RB, 100 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 5.75 ± 9.6 % 10871 AAD 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, I6QAM, 120 kHz) 5G NR FR2 TDD 5.75 ± 9.6 % 10872 AAD 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 5.52 <t< td=""><td>10858</td><td>AAC</td><td></td><td>5G NR FR1 TDD</td><td>8.36</td><td>±9.6 %</td></t<>	10858	AAC		5G NR FR1 TDD	8.36	±9.6 %
10861 AAC 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.40 ± 9.6 % 10863 AAC 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.41 ± 9.6 % 10864 AAC 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.41 ± 9.6 % 10865 AAC 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.41 ± 9.6 % 10866 AAC 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ± 9.6 % 10868 AAC 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 5.75 ± 9.6 % 10869 AAD 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 5.86 ± 9.6 % 10870 AAD 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 5.75 ± 9.6 % 10871 AAD 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 5.75 ± 9.6 % 10872 AAD 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 6.65	10859	AAC	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10863 AAC 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.41 ± 9.6 % 10864 AAC 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.37 ± 9.6 % 10865 AAC 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.41 ± 9.6 % 10866 AAC 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ± 9.6 % 10868 AAC 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.89 ± 9.6 % 10868 AAC 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 5.75 ± 9.6 % 10870 AAD 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 5.75 ± 9.6 % 10871 AAD 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 5.75 ± 9.6 % 10872 AAD 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, GQAM, 120 kHz) 5G NR FR2 TDD 6.61 ± 9.6 % 10873 AAD 5G NR (DFT-s-OFDM, 1 00% RB, 100 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 6.65 <td< td=""><td>10860</td><td>AAC</td><td>5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)</td><td></td><td>8.41</td><td>± 9.6 %</td></td<>	10860	AAC	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)		8.41	± 9.6 %
10864 AAC 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.37 ± 9.6 % 10865 AAC 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.41 ± 9.6 % 10866 AAC 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ± 9.6 % 10868 AAC 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.89 ± 9.6 % 10869 AAD 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 5.75 ± 9.6 % 10870 AAD 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 5.86 ± 9.6 % 10871 AAD 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 5.75 ± 9.6 % 10872 AAD 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 6.61 ± 9.6 % 10874 AAD 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 6.65 ± 9.6 % 10875 AAD 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 7.78 <td>10861</td> <td>AAC</td> <td>5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)</td> <td>5G NR FR1 TDD</td> <td>8.40</td> <td>±9.6 %</td>	10861	AAC	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.40	±9.6 %
10865 AAC 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.41 ± 9.6 % 10866 AAC 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ± 9.6 % 10868 AAC 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.89 ± 9.6 % 10869 AAD 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 5.75 ± 9.6 % 10870 AAD 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 5.75 ± 9.6 % 10871 AAD 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 5.75 ± 9.6 % 10872 AAD 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 6.52 ± 9.6 % 10874 AAD 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 6.65 ± 9.6 % 10874 AAD 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 6.65 ± 9.6 % 10876 AAD 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 8.39 <td>10863</td> <td>AAC</td> <td>5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)</td> <td>5G NR FR1 TDD</td> <td>8.41</td> <td>± 9.6 %</td>	10863	AAC	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10866 AAC 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ± 9.6 % 10868 AAC 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.89 ± 9.6 % 10869 AAD 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 5.75 ± 9.6 % 10870 AAD 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 5.75 ± 9.6 % 10871 AAD 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 5.75 ± 9.6 % 10872 AAD 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 6.52 ± 9.6 % 10873 AAD 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 6.61 ± 9.6 % 10874 AAD 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 6.65 ± 9.6 % 10875 AAD 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 7.78 ± 9.6 % 10876 AAD 5G NR (CP-OFDM, 1 00% RB, 100 MHz, 04QAM, 120 kHz) 5G NR FR2 TDD 8.39	10864	AAC	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10868 AAC 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.89 ± 9.6 % 10869 AAD 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 5.75 ± 9.6 % 10870 AAD 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 5.86 ± 9.6 % 10871 AAD 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, I6QAM, 120 kHz) 5G NR FR2 TDD 5.75 ± 9.6 % 10872 AAD 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 6.52 ± 9.6 % 10873 AAD 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 6.61 ± 9.6 % 10874 AAD 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 6.65 ± 9.6 % 10875 AAD 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 7.78 ± 9.6 % 10876 AAD 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 7.95 ± 9.6 % 10877 AAD 5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 7.95 </td <td>10865</td> <td>AAC</td> <td></td> <td>5G NR FR1 TDD</td> <td>8.41</td> <td>±9.6 %</td>	10865	AAC		5G NR FR1 TDD	8.41	±9.6 %
10869 AAD 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 5.75 ± 9.6 % 10870 AAD 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 5.86 ± 9.6 % 10871 AAD 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 5.75 ± 9.6 % 10872 AAD 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 6.52 ± 9.6 % 10873 AAD 5G NR (DFT-s-OFDM, 1 NB, 100 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 6.61 ± 9.6 % 10874 AAD 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 6.65 ± 9.6 % 10874 AAD 5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 6.65 ± 9.6 % 10876 AAD 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 7.78 ± 9.6 % 10877 AAD 5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 8.39 ± 9.6 % 10878 AAD 5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 8.41 <td< td=""><td>10866</td><td></td><td></td><td></td><td>5.68</td><td></td></td<>	10866				5.68	
10870 AAD 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 5.86 ± 9.6 % 10871 AAD 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 5.75 ± 9.6 % 10872 AAD 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 6.52 ± 9.6 % 10873 AAD 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 6.61 ± 9.6 % 10874 AAD 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 6.65 ± 9.6 % 10875 AAD 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 7.78 ± 9.6 % 10876 AAD 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 7.78 ± 9.6 % 10877 AAD 5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 7.95 ± 9.6 % 10878 AAD 5G NR (CP-OFDM, 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		AAC			5.89	±9.6%
10871 AAD 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 5.75 ± 9.6 % 10872 AAD 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 6.52 ± 9.6 % 10873 AAD 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 6.61 ± 9.6 % 10874 AAD 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 6.65 ± 9.6 % 10875 AAD 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 6.65 ± 9.6 % 10876 AAD 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 7.78 ± 9.6 % 10876 AAD 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 8.39 ± 9.6 % 10876 AAD 5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 8.39 ± 9.6 % 10877 AAD 5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 8.41 ± 9.6 % 10878 AAD 5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.12 ± 9.6 % 10879 AAD 5G NR (CP-OFDM, 1 RB	10869				5.75	±9.6 %
10872 AAD 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 6.52 ± 9.6 % 10873 AAD 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 6.61 ± 9.6 % 10874 AAD 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 6.65 ± 9.6 % 10874 AAD 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 6.65 ± 9.6 % 10875 AAD 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 7.78 ± 9.6 % 10876 AAD 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 8.39 ± 9.6 % 10877 AAD 5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 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, 1 RB, 100 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.38 ± 9.6 % 10881 AAD 5G NR (DFT-s-OFDM, 1 RB, 5		AAD			5.86	± 9.6 %
10873 AAD 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 6.61 ± 9.6 % 10874 AAD 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 6.65 ± 9.6 % 10875 AAD 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 7.78 ± 9.6 % 10876 AAD 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 7.78 ± 9.6 % 10876 AAD 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 8.39 ± 9.6 % 10877 AAD 5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 8.39 ± 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, 1 RB, 50 MHz, 0PSK, 120 kHz) 5G NR FR2 TDD 8.38 ± 9.6 % 10881 AAD 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 5.75 ± 9.6 % </td <td>10871</td> <td>AAD</td> <td></td> <td></td> <td>5.75</td> <td>±9.6%</td>	10871	AAD			5.75	±9.6%
10874 AAD 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 6.65 ± 9.6 % 10875 AAD 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 7.78 ± 9.6 % 10876 AAD 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 7.78 ± 9.6 % 10876 AAD 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 8.39 ± 9.6 % 10877 AAD 5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 8.41 ± 9.6 % 10878 AAD 5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 8.41 ± 9.6 % 10879 AAD 5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.12 ± 9.6 % 10880 AAD 5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.38 ± 9.6 % 10881 AAD 5G NR (DFT-s-OFDM, 100% 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	10872	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)		6.52	
10875 AAD 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 7.78 ± 9.6 % 10876 AAD 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 8.39 ± 9.6 % 10877 AAD 5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 7.95 ± 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, 100% RB, 100 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 8.41 ± 9.6 % 10880 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 % 10880 AAD 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 8.38 ± 9.6 % 10881 AAD 5G NR (DFT-s-OFDM, 100% 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, 16QAM, 120 kHz) 5G NR FR2 TDD 5.96		AAD		5G NR FR2 TDD	6.61	±9.6 %
10876 AAD 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 8.39 ± 9.6 % 10877 AAD 5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 7.95 ± 9.6 % 10878 AAD 5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 8.41 ± 9.6 % 10879 AAD 5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 8.41 ± 9.6 % 10879 AAD 5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.12 ± 9.6 % 10880 AAD 5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.38 ± 9.6 % 10880 AAD 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 8.38 ± 9.6 % 10881 AAD 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 5.75 ± 9.6 % 10882 AAD 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 5.96 ± 9.6 % 10883 AAD 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 6.57	10874	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	± 9.6 %
10877 AAD 5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 7.95 ± 9.6 % 10878 AAD 5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 8.41 ± 9.6 % 10879 AAD 5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.12 ± 9.6 % 10880 AAD 5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.12 ± 9.6 % 10880 AAD 5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.38 ± 9.6 % 10881 AAD 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 5.75 ± 9.6 % 10882 AAD 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 5.96 ± 9.6 % 10883 AAD 5G NR (DFT-s-OFDM, 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 6.53 ± 9.6 %	10875	AAD		5G NR FR2 TDD	7.78	±9.6 %
10877 AAD 5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 7.95 ± 9.6 % 10878 AAD 5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 8.41 ± 9.6 % 10879 AAD 5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.12 ± 9.6 % 10880 AAD 5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.12 ± 9.6 % 10880 AAD 5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.38 ± 9.6 % 10881 AAD 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 5.75 ± 9.6 % 10882 AAD 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 5.96 ± 9.6 % 10883 AAD 5G NR (DFT-s-OFDM, 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 6.53 ± 9.6 %	10876	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.39	±9.6 %
10878 AAD 5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 8.41 ± 9.6 % 10879 AAD 5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.12 ± 9.6 % 10880 AAD 5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.38 ± 9.6 % 10880 AAD 5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.38 ± 9.6 % 10881 AAD 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 5.75 ± 9.6 % 10882 AAD 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 5.96 ± 9.6 % 10883 AAD 5G NR (DFT-s-OFDM, 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 6.53 ± 9.6 %	10877	AAD		5G NR FR2 TDD	7.95	±9.6 %
10879 AAD 5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.12 ± 9.6 % 10880 AAD 5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.38 ± 9.6 % 10881 AAD 5G NR (DFT-s-OFDM, 100% 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, 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, 16QAM, 120 kHz) 5G NR FR2 TDD 6.57 ± 9.6 %		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 (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, 100% RB, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 6.57 ± 9.6 % 10884 AAD 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 6.53 ± 9.6 %		AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.12	± 9.6 %
10881 AAD 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 5.75 ± 9.6 % 10882 AAD 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 5.96 ± 9.6 % 10883 AAD 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 6.57 ± 9.6 % 10884 AAD 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 6.53 ± 9.6 %		AAD		5G NR FR2 TDD	8.38	± 9.6 %
10882 AAD 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 5.96 ± 9.6 % 10883 AAD 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 6.57 ± 9.6 % 10884 AAD 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 6.53 ± 9.6 %		AAD		5G NR FR2 TDD	5.75	± 9.6 %
10884 AAD 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 6.53 ± 9.6 %		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, 64QAM, 120 kHz) 5G NR FR2 TDD 6.61 ± 9.6 %	10884	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.53	± 9.6 %
	10885	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	±9.6 %

10886	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	± 9.6 %
10887	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	±9.6 %
10888	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.35	± 9.6 %
10889	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.02	± 9.6 %
10890	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.40	± 9.6 %
10891	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.13	± 9.6 %
10892	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.41	± 9.6 %
10897	AAA	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.66	± 9.6 %
10898	AAA	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	± 9.6 %
10899	AAA	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	± 9.6 %
10900	AAA	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10901	AAA	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10902	AAA	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10903	AAA	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10904	AAA	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	
10905		5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6%
10906	AAA	5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 KHz)	5G NR FR1 TDD		± 9.6 %
10907	AAA	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 KHz)		5.68	± 9.6 %
10908		5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.78	± 9.6 %
				5.93	± 9.6 %
10909	AAA	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.96	± 9.6 %
10910		5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	± 9.6 %
10911		5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	± 9.6 %
10912		5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6 %
10913	AAA	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6 %
10914	AAA	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.85	± 9.6 %
10915	AAA	5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	±9.6 %
10916	AAA	5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	± 9.6 %
10917	AAA	5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	± 9.6 %
10918	AAA	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	± 9.6 %
10919	AAA	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	± 9.6 %
10920	AAA	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	± 9.6 %
10921	AAA	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6%
10922	AAA	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.82	±9.6%
10923	AAA	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6 %
10924	AAA	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6 %
10925	AAA	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.95	± 9.6 %
10926	AAA	5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10927	AAA	5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	± 9.6 %
10928	AAA	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10929	AAA	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10930	AAA	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10931	AAA	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10932	AAA	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
		5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 KHz)			
10933 10934		5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD 5G NR FR1 FDD	5.51	±9.6%
10934		5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)		5.51	± 9.6 %
		5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 KHz)	5G NR FR1 FDD 5G NR FR1 FDD	5.51	± 9.6 %
10936				5.90	± 9.6 %
10937	AAA	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.77	± 9.6 %
10938		5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	± 9.6 %
10939		5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.82	± 9.6 %
10940	AAA	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.89	± 9.6 %
10941	AAA	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	± 9.6 %
10942	AAA	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	± 9.6 %
10943	AAA	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.95	±9.6 %
10944	AAA	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.81	±9.6%
10945	AAA	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	± 9.6 %
10946	AAA	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	± 9.6 %
10947	AAA	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	± 9.6 %
10948	AAA	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	± 9.6 %
10949	AAA	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	± 9.6 %
10950	AAA	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	±9.6 %
10951	AAA	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.92	± 9.6 %
10952	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.25	± 9.6 %
10953	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.15	± 9.6 %
			· · ·		

EX3DV4-SN:3600

10954	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.23	± 9.6 %
10955	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.42	± 9.6 %
10956	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.14	± 9.6 %
10957	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.31	± 9.6 %
10958	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.61	± 9.6 %
10959	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.33	± 9.6 %
10960	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.32	± 9.6 %
10961	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.36	± 9.6 %
10962	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.40	± 9.6 %
10963	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.55	± 9.6 %
10964	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.29	± 9.6 %
10965	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.37	± 9.6 %
10966	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.55	±9.6 %
10967	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.42	± 9.6 %
10968	AAA	5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.49	± 9.6 %

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



APPENDIX F – DIPOLE CALIBRATION

Calibration Laboratory of Schmid & Partner Engineering AG

Zeughausstrasse 43, 8004 Zurich, Switzerland



Schweizerischer Kalibrierdienst

C Service suisse d'étalonnage

S

- Servizio svizzero di taratura
- S Swiss Calibration Service

Accreditation No.: SCS 0108

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

Client Celltech

Certificate No: D2450V2-825_Apr18

CALIBRATION CERTIFICATE

Dbject	D2450V2 - SN:82	25	
Calibration procedure(s)	QA CAL-05.v10 Calibration proce	dure for dipole validation kits abo	ove 700 MHz
alibration date:	April 24, 2018		
This calibration certificate docume	ents the traceability to nati	ional standards, which realize the physical un	its of measurements (SI).
he measurements and the uncer	tainties with confidence p	robability are given on the following pages an	d are part of the certificate.
All calibrations have been conduc	ted in the closed laborato	ry facility: environment temperature (22 ± 3)°C	C and humidity < 70%.
Calibration Equipment used (M&T	E critical for calibration)		
rimary Standards	ID #	Cal Date (Certificate No.)	Scheduled Calibration
	ID # SN: 104778	Cal Date (Certificate No.) 04-Apr-18 (No. 217-02672/02673)	Scheduled Calibration Apr-19
Power meter NRP		THE REAL PROPERTY AND A DESCRIPTION OF A	
ower meter NRP ower sensor NRP-Z91	SN: 104778	04-Apr-18 (No. 217-02672/02673)	Apr-19
ower meter NRP ower sensor NRP-Z91 ower sensor NRP-Z91	SN: 104778 SN: 103244	04-Apr-18 (No. 217-02672/02673) 04-Apr-18 (No. 217-02672)	Apr-19 Apr-19
Power meter NRP Power sensor NRP-Z91 Power sensor NRP-Z91 Reference 20 dB Attenuator	SN: 104778 SN: 103244 SN: 103245	04-Apr-18 (No. 217-02672/02673) 04-Apr-18 (No. 217-02672) 04-Apr-18 (No. 217-02673)	Apr-19 Apr-19 Apr-19
Power meter NRP Power sensor NRP-Z91 Power sensor NRP-Z91 Reference 20 dB Attenuator Type-N mismatch combination	SN: 104778 SN: 103244 SN: 103245 SN: 5058 (20k)	04-Apr-18 (No. 217-02672/02673) 04-Apr-18 (No. 217-02672) 04-Apr-18 (No. 217-02673) 04-Apr-18 (No. 217-02682)	Apr-19 Apr-19 Apr-19 Apr-19
Power meter NRP Power sensor NRP-Z91 Power sensor NRP-Z91 Reference 20 dB Attenuator Type-N mismatch combination Reference Probe EX3DV4	SN: 104778 SN: 103244 SN: 103245 SN: 5058 (20k) SN: 5047.2 / 06327	04-Apr-18 (No. 217-02672/02673) 04-Apr-18 (No. 217-02672) 04-Apr-18 (No. 217-02673) 04-Apr-18 (No. 217-02682) 04-Apr-18 (No. 217-02683)	Apr-19 Apr-19 Apr-19 Apr-19 Apr-19
Power meter NRP Power sensor NRP-Z91 Power sensor NRP-Z91 Reference 20 dB Attenuator Type-N mismatch combination Reference Probe EX3DV4 DAE4	SN: 104778 SN: 103244 SN: 103245 SN: 5058 (20k) SN: 5047.2 / 06327 SN: 7349	04-Apr-18 (No. 217-02672/02673) 04-Apr-18 (No. 217-02672) 04-Apr-18 (No. 217-02673) 04-Apr-18 (No. 217-02682) 04-Apr-18 (No. 217-02683) 30-Dec-17 (No. EX3-7349_Dec17)	Apr-19 Apr-19 Apr-19 Apr-19 Apr-19 Dec-18
Power meter NRP Power sensor NRP-Z91 Power sensor NRP-Z91 Reference 20 dB Attenuator Type-N mismatch combination Reference Probe EX3DV4 DAE4 Secondary Standards	SN: 104778 SN: 103244 SN: 103245 SN: 5058 (20k) SN: 5047.2 / 06327 SN: 7349 SN: 601	04-Apr-18 (No. 217-02672/02673) 04-Apr-18 (No. 217-02672) 04-Apr-18 (No. 217-02673) 04-Apr-18 (No. 217-02682) 04-Apr-18 (No. 217-02683) 30-Dec-17 (No. EX3-7349_Dec17) 26-Oct-17 (No. DAE4-601_Oct17)	Apr-19 Apr-19 Apr-19 Apr-19 Apr-19 Dec-18 Oct-18
Power meter NRP Power sensor NRP-Z91 Power sensor NRP-Z91 Reference 20 dB Attenuator Type-N mismatch combination Reference Probe EX3DV4 DAE4 Secondary Standards Power meter EPM-442A	SN: 104778 SN: 103244 SN: 103245 SN: 5058 (20k) SN: 5047.2 / 06327 SN: 7349 SN: 601	04-Apr-18 (No. 217-02672/02673) 04-Apr-18 (No. 217-02672) 04-Apr-18 (No. 217-02673) 04-Apr-18 (No. 217-02682) 04-Apr-18 (No. 217-02683) 30-Dec-17 (No. EX3-7349_Dec17) 26-Oct-17 (No. DAE4-601_Oct17) Check Date (in house)	Apr-19 Apr-19 Apr-19 Apr-19 Apr-19 Dec-18 Oct-18 Scheduled Check
Power meter NRP Power sensor NRP-Z91 Power sensor NRP-Z91 Reference 20 dB Attenuator Type-N mismatch combination Reference Probe EX3DV4 DAE4 Secondary Standards Power meter EPM-442A Power sensor HP 8481A	SN: 104778 SN: 103244 SN: 103245 SN: 5058 (20k) SN: 5047.2 / 06327 SN: 7349 SN: 601 ID # SN: GB37480704	04-Apr-18 (No. 217-02672/02673) 04-Apr-18 (No. 217-02672) 04-Apr-18 (No. 217-02672) 04-Apr-18 (No. 217-02683) 04-Apr-18 (No. 217-02683) 30-Dec-17 (No. EX3-7349_Dec17) 26-Oct-17 (No. DAE4-601_Oct17) Check Date (in house) 07-Oct-15 (in house check Oct-16)	Apr-19 Apr-19 Apr-19 Apr-19 Apr-19 Dec-18 Oct-18 Scheduled Check In house check: Oct-18
Power meter NRP Power sensor NRP-Z91 Power sensor NRP-Z91 Reference 20 dB Attenuator Type-N mismatch combination Reference Probe EX3DV4 DAE4 Secondary Standards Power meter EPM-442A Power sensor HP 8481A Power sensor HP 8481A	SN: 104778 SN: 103244 SN: 103245 SN: 5058 (20k) SN: 5047.2 / 06327 SN: 7349 SN: 601 ID # SN: GB37480704 SN: US37292783	04-Apr-18 (No. 217-02672/02673) 04-Apr-18 (No. 217-02672) 04-Apr-18 (No. 217-02673) 04-Apr-18 (No. 217-02682) 04-Apr-18 (No. 217-02683) 30-Dec-17 (No. EX3-7349_Dec17) 26-Oct-17 (No. DAE4-601_Oct17) Check Date (in house) 07-Oct-15 (in house check Oct-16) 07-Oct-15 (in house check Oct-16)	Apr-19 Apr-19 Apr-19 Apr-19 Apr-19 Dec-18 Oct-18 Scheduled Check In house check: Oct-18 In house check: Oct-18
Power meter NRP Power sensor NRP-Z91 Power sensor NRP-Z91 Reference 20 dB Attenuator Type-N mismatch combination Reference Probe EX3DV4 DAE4 Secondary Standards Power meter EPM-442A Power sensor HP 8481A Power sensor HP 8481A RF generator R&S SMT-06	SN: 104778 SN: 103244 SN: 103245 SN: 5058 (20k) SN: 5047.2 / 06327 SN: 7349 SN: 601 ID # SN: GB37480704 SN: US37292783 SN: MY41092317	04-Apr-18 (No. 217-02672/02673) 04-Apr-18 (No. 217-02672) 04-Apr-18 (No. 217-02673) 04-Apr-18 (No. 217-02682) 04-Apr-18 (No. 217-02683) 30-Dec-17 (No. EX3-7349_Dec17) 26-Oct-17 (No. DAE4-601_Oct17) Check Date (in house) 07-Oct-15 (in house check Oct-16) 07-Oct-15 (in house check Oct-16) 07-Oct-15 (in house check Oct-16)	Apr-19 Apr-19 Apr-19 Apr-19 Apr-19 Dec-18 Oct-18 Scheduled Check In house check: Oct-18 In house check: Oct-18 In house check: Oct-18
Primary Standards Power meter NRP Power sensor NRP-Z91 Power sensor NRP-Z91 Reference 20 dB Attenuator Type-N mismatch combination Reference Probe EX3DV4 DAE4 Secondary Standards Power meter EPM-442A Power sensor HP 8481A Power sensor HP 8481A RF generator R&S SMT-06 Network Analyzer HP 8753E	SN: 104778 SN: 103244 SN: 103245 SN: 5058 (20k) SN: 5047.2 / 06327 SN: 7349 SN: 601 ID # SN: GB37480704 SN: US37292783 SN: MY41092317 SN: 100972	04-Apr-18 (No. 217-02672/02673) 04-Apr-18 (No. 217-02672) 04-Apr-18 (No. 217-02672) 04-Apr-18 (No. 217-02683) 04-Apr-18 (No. 217-02682) 04-Apr-18 (No. 217-02683) 30-Dec-17 (No. EX3-7349_Dec17) 26-Oct-17 (No. DAE4-601_Oct17) Check Date (in house) 07-Oct-15 (in house check Oct-16) 07-Oct-15 (in house check Oct-16) 07-Oct-15 (in house check Oct-16) 15-Jun-15 (in house check Oct-16) 18-Oct-01 (in house check Oct-17) Function	Apr-19 Apr-19 Apr-19 Apr-19 Apr-19 Dec-18 Oct-18 Scheduled Check In house check: Oct-18 In house check: Oct-18 In house check: Oct-18 In house check: Oct-18
Power meter NRP Power sensor NRP-Z91 Power sensor NRP-Z91 Reference 20 dB Attenuator Type-N mismatch combination Reference Probe EX3DV4 DAE4 Secondary Standards Power meter EPM-442A Power sensor HP 8481A Power sensor HP 8481A RF generator R&S SMT-06	SN: 104778 SN: 103244 SN: 103245 SN: 5058 (20k) SN: 5047.2 / 06327 SN: 7349 SN: 601 ID # SN: GB37480704 SN: US37292783 SN: MY41092317 SN: 100972 SN: US37390585	04-Apr-18 (No. 217-02672/02673) 04-Apr-18 (No. 217-02672) 04-Apr-18 (No. 217-02672) 04-Apr-18 (No. 217-02673) 04-Apr-18 (No. 217-02682) 04-Apr-18 (No. 217-02683) 30-Dec-17 (No. EX3-7349_Dec17) 26-Oct-17 (No. DAE4-601_Oct17) Check Date (in house) 07-Oct-15 (in house check Oct-16) 07-Oct-15 (in house check Oct-16) 07-Oct-15 (in house check Oct-16) 15-Jun-15 (in house check Oct-16) 18-Oct-01 (in house check Oct-17)	Apr-19 Apr-19 Apr-19 Apr-19 Apr-19 Dec-18 Oct-18 Scheduled Check In house check: Oct-18 In house check: Oct-18

Calibration Laboratory of

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



S Schweizerischer Kalibrierdienst C

Service suisse d'étalonnage

Servizio svizzero di taratura S Swiss Calibration Service

Accreditation No.: SCS 0108

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

Glossary.

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

Calibration is Performed According to the Following Standards:

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

Additional Documentation:

e) DASY4/5 System Handbook

Methods Applied and Interpretation of Parameters:

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

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

Measurement Conditions

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

DASY Version	DASY5	V52.10.0
Extrapolation	Advanced Extrapolation	
Phantom	Modular Flat Phantom	
Distance Dipole Center - TSL	10 mm	with Spacer
Zoom Scan Resolution	dx, dy, dz = 5 mm	
Frequency	2450 MHz ± 1 MHz	· · · · · · · · · · · · · · · · · · ·

Head TSL parameters

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	39.2	1.80 mho/m
Measured Head TSL parameters	(22.0 ± 0.2) °C	38.3 ± 6 %	1.86 mho/m ± 6 %
Head TSL temperature change during test	< 0.5 °C		

SAR result with Head TSL

SAR averaged over 1 cm ³ (1 g) of Head TSL	Condition	
SAR measured	250 mW input power	13.3 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	52.1 W/kg ± 17.0 % (k=2)

SAR averaged over 10 cm ³ (10 g) of Head TSL	condition	
SAR measured	250 mW input power	6.16 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	24.3 W/kg ± 16.5 % (k=2)

Body TSL parameters

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Body TSL parameters	22.0 °C	52.7	1.95 mho/m
Measured Body TSL parameters	(22.0 ± 0.2) °C	52.5 ± 6 %	2.01 mho/m ± 6 %
Body TSL temperature change during test	< 0.5 ℃		

SAR result with Body TSL

SAR averaged over 1 cm ³ (1 g) of Body TSL	Condition	
SAR measured	250 mW input power	12.8 W/kg
SAR for nominal Body TSL parameters	normalized to 1W	50.4 W/kg ± 17.0 % (k=2)

SAR averaged over 10 cm ³ (10 g) of Body TSL	condition	
SAR measured	250 mW input power	5.97 W/kg
SAR for nominal Body TSL parameters	normalized to 1W	23.7 W/kg ± 16.5 % (k=2)

Appendix (Additional assessments outside the scope of SCS 0108)

Antenna Parameters with Head TSL

Impedance, transformed to feed point	53.5 Ω + 6.8 jΩ
Return Loss	- 22.7 dB

Antenna Parameters with Body TSL

Impedance, transformed to feed point	48.9 Ω + 8.6 jΩ
Return Loss	- 21.2 dB

General Antenna Parameters and Design

Electrical Delay (one direction)	1.158 ns

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

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

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

Additional EUT Data

Manufactured by	SPEAG
Manufactured on	December 11, 2008

DASY5 Validation Report for Head TSL

Date: 24.04.2018

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:825

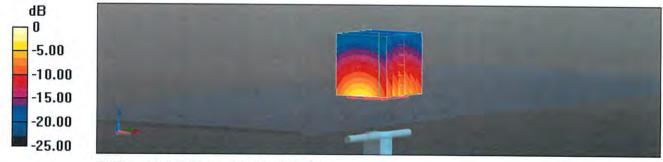
Communication System: UID 0 - CW; Frequency: 2450 MHz Medium parameters used: f = 2450 MHz; $\sigma = 1.86$ S/m; $\epsilon_r = 38.3$; $\rho = 1000$ kg/m³ Phantom section: Flat Section Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY52 Configuration:

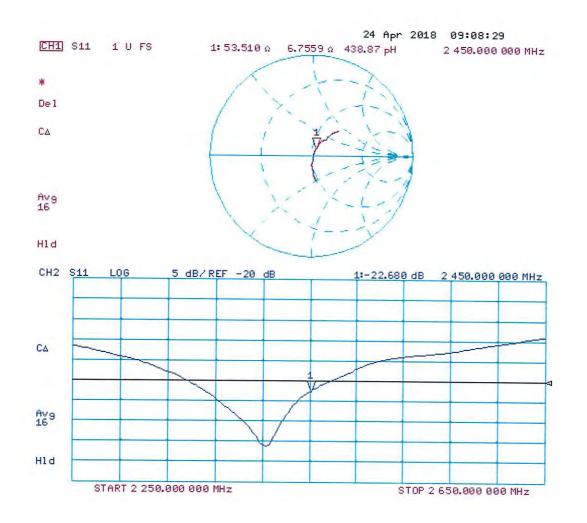
- Probe: EX3DV4 SN7349; ConvF(7.88, 7.88, 7.88); Calibrated: 30.12.2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 26.10.2017
- Phantom: Flat Phantom 5.0 (front); Type: QD 000 P50 AA; Serial: 1001
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

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

Measurement grid: dx=5mm, dy=5mm, dz=5mmReference Value = 116.5 V/m; Power Drift = -0.01 dB Peak SAR (extrapolated) = 26.6 W/kg SAR(1 g) = 13.3 W/kg; SAR(10 g) = 6.16 W/kg Maximum value of SAR (measured) = 22.0 W/kg



0 dB = 22.0 W/kg = 13.42 dBW/kg



DASY5 Validation Report for Body TSL

Date: 24.04.2018

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:825

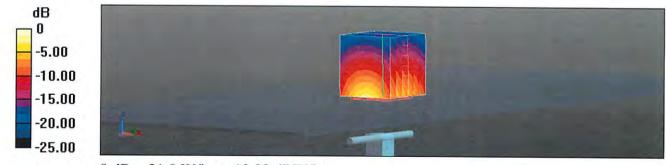
Communication System: UID 0 - CW; Frequency: 2450 MHz Medium parameters used: f = 2450 MHz; $\sigma = 2.01$ S/m; $\epsilon_r = 52.5$; $\rho = 1000$ kg/m³ Phantom section: Flat Section Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY52 Configuration:

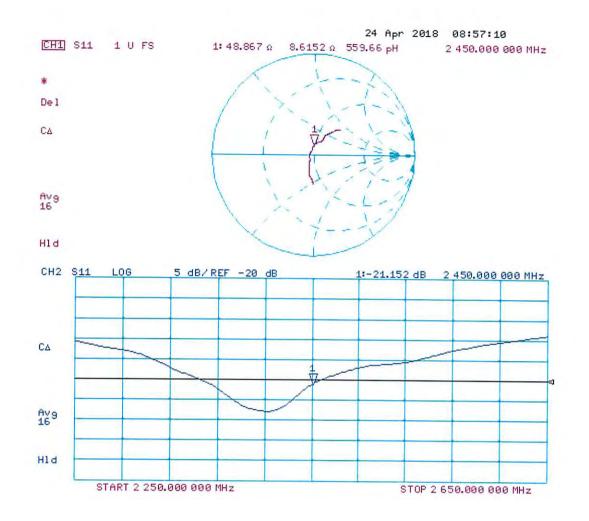
- Probe: EX3DV4 SN7349; ConvF(8.01, 8.01, 8.01); Calibrated: 30.12.2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 26.10.2017
- Phantom: Flat Phantom 5.0 (back); Type: QD 000 P50 AA; Serial: 1002
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

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

Measurement grid: dx=5mm, dy=5mm, dz=5mmReference Value = 108.0 V/m; Power Drift = -0.05 dB Peak SAR (extrapolated) = 25.3 W/kg SAR(1 g) = 12.8 W/kg; SAR(10 g) = 5.97 W/kg Maximum value of SAR (measured) = 21.0 W/kg



0 dB = 21.0 W/kg = 13.22 dBW/kg





<u>Date:</u> May 29, 2020 Revision No. Rev. 1.0 Test Lab Certificate No. 2470.01

2450 MHz Dipole Extended Calibration

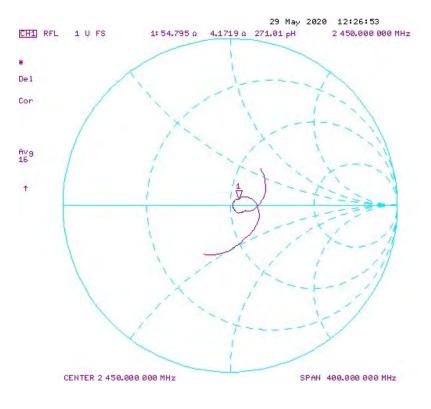
Dipole: Serial Number: Last Calibrated: D2450V2 825 Apr. 24, 2018

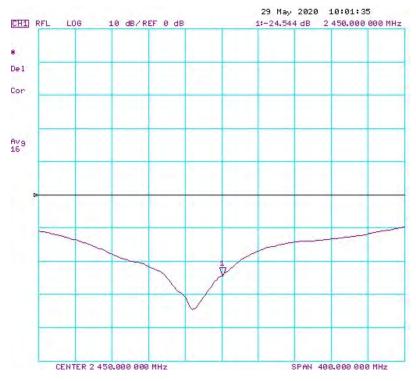
Antenna Parameters with Head TSL						
	Impedance Real (ohms)	Deviation from cal(ohms)	Impedance Imaginary (ohms)	Deviation from cal (Ohms)	Return Loss (dB)	Deviation from Cal (%)
Last extended Cal May 08, 2019	51.76	-	+8.32	-	-21.10	-
Extended Cal May 29, 2020	54.80	+3.04	+4.17	-4.15	-24.5	13.9

Per KDB 865664 D01 3.2.2 §2 C, D

	<u>Date:</u> May 29, 2020	Revision No. Rev. 1.0	
Testing and Engineering Services Lab	2450 MHz Dipole Extended Ca	alibration	ACCREDITED Test Lab Certificate No. 2470.01

Antenna VSWR with Head TSL]







APPENDIX G - PHANTOM

Zeughausstrasse 43, 8004 Zurich, Switzerland Phone +41 44 245 9700, Fax +41 44 245 9779 info@speag.com, http://www.speag.com

Certificate of Conformity / First Article Inspection

Item	Oval Flat Phantom ELI 5.0
Type No	QD OVA 002 A
Series No	1108 and higher
Manufacturer	Untersee Composites
	Knebelstrasse 8, CH-8268 Mannenbach, Switzerland

Tests

Complete tests were made on the prototype units QD OVA 001 A, pre-series units QD OVA 001 B as well as on some series units QD OVA 001 B. Some tests are made on all series units QD OVA 002 A.

Test	Requirement	Details	Units tested
Shape	Internal dimensions, depth and sagging are compatible with standards	Bottom elliptical 600 x 400 mm, Depth 190 mm, dimension compliant with [1] for f > 375 MHz	Prototypes
Material thickness	Bottom: 2.0mm +/- 0.2mm	dimension compliant with [3] for f > 800 MHz	all
Material parameters	rel. permittivity 2 – 5, loss tangent \leq 0.05, at f \leq 6 GHz	rel. permittivity 3.5 +/- 0.5 loss tangent ≤ 0.05	Material samples
Material resistivity	Compatibility with tissue simulating liquids .	Compatible with SPEAG liquids. **	Phantoms, Material sample
Sagging	Sagging of the flat section in tolerance when filled with tissue simulating liquid.	within tolerance for filling height up to 155 mm	Prototypes, samples

** Note: Compatibility restrictions apply certain liquid components mentioned in the standard, containing e.g. DGBE, DGMHE or Triton X-100. Observe technical note on material compatibility.

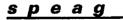
Standards

- [1] OET Bulletin 65, Supplement C, "Evaluating Compliance with FCC Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields", Edition 01-01
- [2] IEEE 1528-2003, "Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques, December 2003
- [3] IEC 62209–1 ed1.0, "Human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices - Human models, instrumentation, and procedures - Part 1: Procedure to determine the specific absorption rate (SAR) for hand-held devices used in close proximity to the ear (frequency range of 300 MHz to 3 GHz)", 2005-02-18
- [4] IEC 62209–2 ed1.0, "Human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices - Human models, instrumentation, and procedures - Part 2: Procedure to determine the specific absorption rate (SAR) for wireless communication devices used in close proximity to the human body (frequency range of 30 MHz to 6 GHz)", 2010-03-30

Conformity

Based on the sample tests above, we certify that this item is in compliance with the uncertainty requirements of **body-worn** SAR measurements and system performance checks as specified in [1 - 4] and further standards.

Date 25.7.2011



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Signature / Stamp