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WIFI 6 GHZ RF EXPOSURE EVALUATION

Applicant Name

Samsung Electronics Co., Ltd. 129, Samsung-ro, Maetan dong, Yeongtong-gu, Suwon-si Gyeonggi-do, 16677, Korea Date of Testing 11/11/2020 - 11/30/2020 Test Site/Location PCTEST, Columbia, MD, USA Document Serial No: 1M2009230152-26-R2.A3L

FCC ID: A3LSMG998U

APPLICANT: SAMSUNG ELECTRONICS CO., LTD.

DUT Type: Portable Handset

Application Type:CertificationFCC Rule Part(s):CFR §2.1093Model:SM-G998UAdditional Models:SM-G998U1

David O Manda	Tx Frequency	SAR		APD			PD	
Band & Mode	MHz	1g Head (W/kg)	, , ,		Head (W/m²)	Bodyworn (W/m²)	Phablet (W/m²)	psPD (W/m²)
WIFI6E	5925-7125	0.023	0.061	0.322	0.084	0.332	5.91	1.839

Values above represent RF exposure evaluations during MIMO operations.

This revised Test Report (S/N: 1M2009230152-26-R2.A3L) supersedes and replaces the previously issued test report on the same subject device for the same type of testing as indicated. Please discard or destroy the previously issued test report(s) and dispose of it accordingly.

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



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DEVICE UNDER TEST

1.1 **Device Overview**

Band & Mode	Tx Frequency
U-NII-5	5925 - 6425 MHz
U-NII-6	6425 - 6525 MHz
U-NII-7	6525 - 6875 MHz
U-NII-8	6875 - 7125 MHz

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1.2 Nominal and Maximum Output Power Specifications

The device operates using the following maximum and nominal output power specifications. SAR values were scaled to the maximum allowed power to determine compliance per KDB publication 447498 D01v06.

	IEEE 802.11 (in dBm)						
	MIMO						
Mode (CI		a STBC)	ax (SU) (CDD + STBC, SDM)				
	Nominal	Maximum	Nominal	Maximum			
6 GHz WIFI (20MHz BW)	11.0	12.0	11.0	12.0			
6 GHz WIFI (40MHz BW)			11.0	12.0			
6 GHz WIFI (80MHz BW)			11.0	12.0			
6 GHz WIFI (160MHz BW)			11.0	12.0			

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1.3 **DUT Antenna Locations**

The overall dimensions of this device are > 9 x 5 cm. A diagram showing the location of the device antennas can be found in SAR Part 1 Report Appendix E. Since the diagonal dimension of this device is > 160 mm and <200 mm, it is considered a "phablet."

Table 1-1 **Device Surfaces**

Device Sides/Edges for Testing						
Mode Back Front Top Bottom Right Left					Left	
6 GHz WLAN MIMO	Yes	Yes	Yes	No	No	Yes

Note: Particular DUT edges were not required to be evaluated for phablet SAR if the edges were greater than 2.5 cm from the transmitting antenna according to FCC KDB Publication 941225 D06v02r01 Section III and FCC KDB Publication 648474 D04v01r03. The distances between the transmit antennas and the edges of the device are included in the filing. Wireless router mode is disabled for all 6 GHz WLAN operations.

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1.4 Miscellaneous Testing Considerations

Per FCC guidance, SAR was performed using 6.5 GHz SAR probe calibration factors. FCC KDB 648474 and FCC KDB 248227 were followed for test positions, distances, and modes. Per TCB workshop October 2020 notes, 5 channels were tested. Absorbed power density (APD) using a 4cm^2 averaging area is reported based on SAR measurements. Incident power density is evaluated at 2mm ensuring that the resolution is sufficient such that integrated power density (iPD) between d=2mm and d= λ /5mm varies by < 1dB per equipment manufacturer quidance. Power density results are scaled up for uncertainty above 30%.

Per FCC KDB Publication 648474 D04v01r03, this device is considered a "phablet" since the diagonal dimension is greater than 160mm and less than 200mm. Therefore, phablet SAR tests are required when wireless router mode does not apply or if wireless router 1g SAR > 1.2 W/kg.

6 GHz WIFI SAR results are used for simultaneous transmission analysis with the other transmitters and total exposure ratio (TER). Analysis can be found in SAR report and Near Field PD Report.

1.5 Guidance Applied

- November 2017, October 2018, April 2019, November 2019, October 2020 TCBC Workshop Notes
- SPEAG DASY6 System Handbook (June 2020)
- SPEAG DASY6 Application Note (Interim Procedures for Devices Operating at 6-10 GHz)
- IEEE 1528-2013
- IEC TR 63170:2018
- IEC 62479:2010
- FCC KDB 865664 D02 v01r02
- FCC KDB 648474 D04 v01r03
- FCC KDB 248227 D01 v02r02
- FCC KDB 447498 D01 v06
- FCC KDB 865664 D01 v01r04

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2 RF EXPOSURE LIMITS

2.1 Uncontrolled Environment

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

2.2 Controlled Environment

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

2.3 RF Exposure Limits for Frequencies Below 6 GHz

Table 2-1
SAR Human Exposure Specified in ANSI/IEEE C95.1-1992 and Health Canada Safety Code 6

HUMAN EXPOSURE LIMITS					
	UNCONTROLLED ENVIRONMENT General Population (W/kg) or (mW/g)	CONTROLLED ENVIRONMENT Occupational (W/kg) or (mW/g)			
Peak Spatial Average SAR Head	1.6	8.0			
Whole Body SAR	0.08	0.4			
Peak Spatial Average SAR Hands, Feet, Ankle, Wrists, etc.	4.0	20			

- 1. The Spatial Peak value of the SAR averaged over any 1 gram of tissue (defined as a tissue volume in the shape of a cube) and over the appropriate averaging time.
- 2. The Spatial Average value of the SAR averaged over the whole body.

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3. The Spatial Peak value of the SAR averaged over any 10 grams of tissue (defined as a tissue volume in the shape of a cube) and over the appropriate averaging time.

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2.4 RF Exposure Limits for Frequencies Above 6 GHz

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

Peak Spatially Averaged Power Density was evaluated over a circular area of 4 cm² per interim FCC Guidance for near-field power density evaluations per October 2018 TCB Workshop notes.

Table 2-2
Human Exposure Limits Specified in FCC 47 CFR §1.1310

Human Exposure to Radiofrequency (RF) Radiation Limits					
Frequency Range Power Density Average Time [MHz] [mW/cm²] [Minutes]					
(A) Limits	For Occupational / Controlled	Environments			
1,500 – 100,000	5.0	6			
(B) Limits For	(B) Limits For General Population / Uncontrolled Environments				
1,500 – 100,000	1.0	30			

Note: 1.0 mW/cm² is 10 W/m²

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Table 3-1 6 GHz WLAN Maximum Average RF Power – 802.11a 20 MHz BW

6GH	6GHz (20MHz) 802.11a Conducted Power [dBm]				
Freq [MHz]	Channel	ANT1	ANT2	MIMO	
5935	2	8.06	8.84	11.48	
5955	1	7.88	8.86	11.41	
5975	5	7.99	8.89	11.47	
5995	9	7.91	8.96	11.48	
6015	13	8.01	8.98	11.53	
6035	17	7.93	8.97	11.49	
3055	21	7.97	8.98	11.51	
3075	25	7.94	8.85	11.43	
	29				
6095		7.97	8.75	11.39	
6115	33	7.96	8.77	11.39	
6135	37	7.98	8.78	11.41	
6155	41	8.12	8.76	11.46	
6175	45	8.22	8.75	11.50	
6195	49	8.14	8.93	11.56	
6215	53	8.19	8.70	11.46	
6235	57	8.17	8.80	11.51	
6255	61	8.27	8.69	11.50	
6275	65	8.27	8.64	11.47	
6295	69	8.06	8.55	11.32	
6315	73	8.87	8.95	11.92	
6335	77	8.85	8.93	11.90	
6355	81	8.87	8.79	11.84	
6375	85	8.78	8.72	11.76	
6395	89	8.86	8.94	11.91	
6415	93	8.74	8.99	11.88	
6435	97	8.05	8.94	11.53	
6455	101	8.11	8.84	11.50	
6475	105	7.91	8.95	11.47	
6495	109	7.88	8.69	11.31	
6515	113	7.78	8.63	11.24	
6535	117	8.24	8.50	11.38	
6555	121	8.15	8.46	11.32	
6575	125	8.72	8.97	11.86	
6595	129	8.66	8.95	11.82	
6615	133	8.10	8.46	11.29	
6635	137	8.01	8.47	11.26	
6655	141	8.50	8.99	11.76	
6675	145	8.48	8.91	11.71	
6695	149	8.41	8.83	11.64	
6715	153	8.52	8.97	11.76	
6735	157	8.46	8.98	11.74	
6755	161	8.50	8.89	11.74	
6775	165	8.54	8.92	11.71	
6795	169	8.62	8.94	11.79	
6815	173	7.86	8.50	11.20	
6835	177	7.82	8.56	11.22	
6855	181	8.05	8.60	11.34	
6875	185	8.71	8.93	11.83	
6895	189	8.15	8.59	11.39	
6915	193	8.20	8.56	11.39	
6935	197	8.15	8.50	11.34	
6955	201	8.16	8.59	11.39	
6975	205	8.25	8.67	11.48	
6995	209	8.09	8.60	11.36	
7015	213	8.24	8.63	11.45	
7035	217	8.19	8.65	11.44	
7055	221	8.14	8.62	11.40	
7075	225	8.32	8.68	11.51	
7095	229	8.32	8.74	11.55	
7115	233	8.12	8.71	11.44	

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Table 3-2 6 GHz WLAN Maximum Average RF Power – 802.11ax 20 MHz BW

6G Hz (20MHz) 802.11ax Conducted Power [dBm]				
Freq [MHz]	Channel	ANT1	ANT2	MIMO
5935	2	8.18	8.84	11.53
5955	1	8.05	8.94	11.53
5975	5	8.24	8.92	11.60
5995	9	8.18	8.98	11.61
6015	13	8.20	8.89	11.57
6035	17	8.12	8.75	11.46
3055	21	8.12	8.83	11.50
3075	25	8.18	8.87	11.55
6095	29	8.25	8.84	11.57
6115	33	8.12	8.96	11.57
6135	37	8.25	8.93	11.61
6155	41	8.34	8.80	11.59
6175	45	8.22	8.79	11.52
6195	49	8.21	8.91	11.58
6215	53	8.25	8.81	11.55
6235	57	8.34	8.67	11.52
6255	61	8.46	8.78	11.63
6275	65	8.34	8.72	11.54
6295	69	8.40	8.85	11.64
6315	73	8.31	8.67	11.50
6335	77	8.43	8.70	11.58
6355	81	8.29	8.54	11.43
6375	85	8.39	8.58	11.50
6395	89	8.22	8.56	11.40
6415	93	8.25	8.54	11.41
6435	97	8.26	8.96	11.63
		8.19		
6455	101		8.95	11.60
6475	105	8.14	8.88	11.54
6495	109	8.24	8.85	11.57
6515	113	8.02	8.82	11.45
6535	117	8.46	8.69	11.59
6555	121	8.19	8.67	11.45
6575	125	8.32	8.69	11.52
6595	129	8.18	8.69	11.45
6615	133	8.31	8.72	11.53
6635	137	8.10	8.67	11.40
6655	141	8.20	8.80	11.52
6675	145	7.92	8.64	11.31
6695	149	7.87	8.76	11.35
6715	153	7.93	8.72	11.35
6735	157	7.91	8.69	11.33
6755	161	7.89	8.62	11.28
6775	165	7.88	8.59	11.26
6795	169	7.94	8.68	11.34
6815	173	8.11	8.80	11.48
6835	177	7.93	8.84	11.42
6855	181	7.91	8.72	11.34
6875	185	8.12	8.73	11.45
6895	189	8.48	8.89	11.70
6915	193	8.34	8.77	11.57
6935	197	8.38	8.73	11.57
6955	201	8.32	8.70	11.52
6975	205	8.37	8.76	11.58
6995	209	8.32	8.80	11.58
7015	213	8.24	8.86	11.57
7015	217	8.48	8.81	11.66
7055	221	8.30	8.84	11.59
		8.41	8.77	
7075	225 229			11.60
7095	229	8.57	8.89	11.74

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Table 3-3 6 GHz WLAN Maximum Average RF Power – 802.11ax 40 MHz BW

6GHz (40I	MHz) 802.11ax	Conduc+C12	26:I156ted Pov	wer [dBm]
Freq [MHz]	Channel	ANT1	ANT2	MIMO
5965	3	7.90	8.59	11.27
6005	11	7.88	8.73	11.34
6045	19	7.90	8.52	11.23
6085	27	7.61	8.52	11.10
6125	35	7.81	8.38	11.11
6165	43	7.96	8.37	11.18
6205	51	7.98	8.75	11.39
6245	59	7.93	8.25	11.10
6285	67	8.07	8.15	11.12
6325	75	8.96	8.88	11.93
6365	83	8.84	8.87	11.87
6405	91	8.96	8.90	11.94
6445	99	8.05	8.66	11.38
6485	107	7.90	8.65	11.30
6525	115	7.81	8.59	11.23
6565	123	8.19	8.58	11.40
6605	131	8.15	8.32	11.25
6645	139	7.87	8.34	11.12
6685	147	7.72	8.83	11.32
6725	155	7.42	8.95	11.26
6765	163	7.65	8.51	11.11
6805	171	7.57	8.54	11.09
6845	179	7.75	8.53	11.17
6885	187	8.04	8.65	11.37
6925	195	8.04	8.57	11.32
6965	203	8.02	8.42	11.23
7005	211	8.03	8.49	11.28
7045	219	8.11	8.33	11.23
7085	227	8.24	8.44	11.35

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Table 3-4 6 GHz WLAN Maximum Average RF Power – 802.11ax 80 MHz BW

6GH	z (80MHz) 802	2.11ax Condu	cted Power [c	IBm]
Freq [MHz]	Channel	ANT1	ANT2	MIMO
5985	7	8.15	8.51	11.34
6065	23	7.57	8.74	11.20
6145	39	7.58	8.92	11.31
6225	55	7.67	8.51	11.12
6305	71	7.89	8.17	11.04
6385	87	7.97	8.64	11.33
6465	103	8.10	8.81	11.48
6545	119	7.91	8.41	11.18
6625	135	7.99	8.55	11.29
6705	151	7.45	8.56	11.05
6785	167	7.53	8.44	11.02
6865	183	8.13	8.75	11.46
6945	199	8.32	8.83	11.59
7025	215	8.08	8.74	11.43

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Table 3-5
6 GHz WLAN Maximum Average RF Power – 802.11ax 160 MHz BW

6GHz	6GHz (160MHz) 802.11ax Conducted Power [dBm]					
Freq [MHz]	Channel	ANT1	ANT2	MIMO		
6025	15	7.65	8.88	11.32		
6185	47	7.87	8.54	11.23		
6345	79	8.32	8.81	11.58		
6505	111	7.74	8.72	11.27		
6665	143	7.83	8.73	11.31		
6825	175	7.97	8.65	11.33		
6985	207	8.02	8.92	11.50		

Justification for test configurations for WLAN per KDB Publication 248227 D01v02r02:

- Power measurements were performed for the transmission mode configuration with the highest maximum output power specified for production units.
- For transmission modes with the same maximum output power specification, powers were measured for the largest channel bandwidth, lowest order modulation and lowest data rate.
- For transmission modes with identical maximum specified output power, channel bandwidth, modulation and data rates, power measurements were required for all identical configurations.
- For each transmission mode configuration, powers were measured for the highest and lowest channels; and at the mid-band channel(s) when there were at least 3 channels supported. For configurations with multiple mid-band channels, due to an even number of channels, both channels were measured.

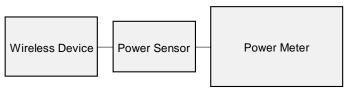


Figure 3-1
Power Measurement Setup

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SYSTEM VERIFICATION

4.1 **SAR Test System Verification**

Table 4-1 **Measured Tissue Properties**

Calibrated for Tests Performed on:	Tissue Type	Tissue Temp During Calibration (°C)	Measured Frequency (MHz)	Measured Conductivity, σ (S/m)	Measured Dielectric Constant, ε	TARGET Conductivity, σ (S/m)	TARGET Dielectric Constant, ε	% dev σ	% dev ε
			6000	5.458	33.140	5.480	35.100	-0.40%	-5.58%
			6065	5.530	33.042	5.557	35.022	-0.49%	-5.65%
			6305	5.818	32.577	5.840	34.734	-0.38%	-6.21%
			6485	6.041	32.390	6.052	34.518	-0.18%	-6.16%
11/23/2020	6500 Head	21.9	6500	6.060	32.374	6.070	34.500	-0.16%	-6.16%
11/23/2020	0300 Head	21.5	6545	6.129	32.183	6.122	34.446	0.11%	-6.57%
			6785	6.401	31.732	6.400	34.158	0.02%	-7.10%
			7000	6.612	31.348	6.650	33.900	-0.57%	-7.53%
			7025	6.654	31.305	6.680	33.870	-0.39%	-7.57%
			7500	7.147	30.491	7.240	33.300	-1.28%	-8.44%
			6000	5.680	33.749	5.480	35.100	3.65%	-3.85%
			6065	5.758	33.451	5.557	35.022	3.62%	-4.49%
			6305	6.070	33.089	5.840	34.734	3.94%	-4.74%
			6485	6.306	32.837	6.052	34.518	4.20%	-4.87%
11/30/2020	6500 Head	20.1	6500	6.310	32.746	6.070	34.500	3.95%	-5.08%
11/30/2020	0300 Head	20.1	6545	6.385	32.640	6.122	34.446	4.30%	-5.24%
			6785	6.682	32.117	6.400	34.158	4.41%	-5.98%
			7000	6.885	31.733	6.650	33.900	3.53%	-6.39%
			7025	6.943	31.668	6.680	33.870	3.94%	-6.50%
			7500	7.463	30.745	7.240	33.300	3.08%	-7.67%

The above measured tissue parameters were used in the DASY software. The DASY software was used to perform interpolation to determine the dielectric parameters at the SAR test device frequencies (per KDB Publication 865664 D01v01r04 and IEEE 1528-2013 6.6.1.2). The tissue parameters listed in the SAR test plots may slightly differ from the table above due to significant digit rounding in the software.

The SAR measurement systems have implemented the SAR error compensation algorithms documented in IEC 62209-2 to automatically compensate the measured SAR results for deviations between the measured and required tissue dielectric parameters for all frequencies. The test lab has verified that the required SAR error compensation algorithm has been correctly applied to only scale up the measured SAR, not downward.

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Prior to SAR assessment, the system is verified to ±10% of the SAR measurement on the reference dipole at the time of calibration by the calibration facility. Full system validation status and result summary can be found in Appendix F.

> Table 4-2 **System Verification Results**

											System Verific									
SAR System #	1W												4cm2 ADP							
М	6500	HEAD	11/23/2020	22.4	21.9	0.050	1007	7457	14.700	290.000	294.000	1.38%	2.680	53.200	53.600	0.75%	67.0000	1295.0000	1340.000	3.47%
М	1 6500 HEAD 11/30/2020 21.2 20.1 0.050 107 7457 14.600 290.000 292.000 0.69% 2.670 53.200 53.400 0.38% 66.8000 1295.0000 1336.000 3.17%																			

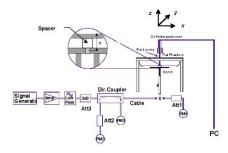


Figure 4-1 System Verification Setup Diagram



Figure 4-2 **System Verification Setup Photo**

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4.2 Power Density Test System Verification

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

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

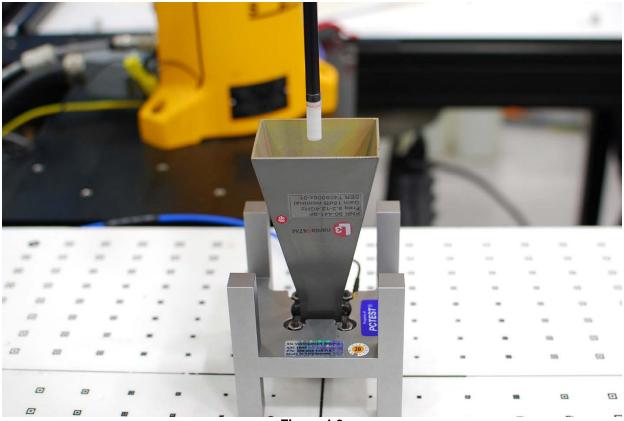


Figure 4-3
System Verification Setup Photo

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Table 4-3 10 GHz Verifications

						System Ve	rification				
System	Frequency	Date	Source	Probe	Prad	Normal psPD (W/m	² over 4 cm ²)	Deviation (dB)	Total psPD (W/r	m² over 4 cm²)	Deviation (dB)
			S/N	S/N	(mW)	Measured	Target		Measured	Target	
Q	10	11/11/2020	1004	9414	74.8	36.80	42.70	-0.65	37.10	42.90	-0.63

Note: A 10 mm distance spacing was used from the reference horn antenna aperture to the probe element.

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SAR and Absorbed Power Density Results 5.1

Table 5-1 6 GHz WLAN Head MIMO SAR

								MEASUREN	IENT RI	ESULTS	;									
FREQUE	NCY			Bandwidth	Maximum	Conducted Power	Maximum	Conducted Power	Power		Test	Antenna	Device	Data Rate	Duty Cycle	SAR (1g)	Scaling	Scaling	Reported SAR (1g)	1 1
MHz	Ch.	Mode	Service	[MHz]	(Ant 1) [dBm]	(Ant 1) [dBm]	(Ant 2) [dBm]	(Ant 2) [dBm]	Drift [dB]	Side	Position	Config.	Serial Number	(Mbps)	(%)	(W/kg)	Factor (Power)	Factor (Duty Cycle)	(W/kg)	Plot#
7025.00	215	802.11ax	OFDM	80	9.0	8.08	9.0	8.74	0.19	Right	Cheek	MIMO	1285M	68.1	90.6	0.013	1.236	1.104	0.018	
7025.00	215	802.11ax	OFDM	80	9.0	8.08	9.0	8.74	-0.15	Right	Tilt	MIMO	1285M	68.1	90.6	0.012	1.236	1.104	0.016	
7025.00	215	802.11ax	OFDM	80	9.0	8.08	9.0	8.74	0.11	Left	Cheek	MIMO	1285M	68.1	90.6	0.017	1.236	1.104	0.023	A1
7025.00	215	802.11ax	OFDM	80	9.0	8.08	9.0	8.74	-0.14	Left	Tilt	MIMO	1285M	68.1	90.6	0.006	1.236	1.104	0.008	
	ANSI / IEEE C95.1 1992 - SAFETY LIMIT														Н	ead				
	Spatial Peak Uncontrolled Exposure/General Population															g (mW/g) over 1 gram				

Note: To achieve the 12 dBm maximum allowed MIMO power shown in the documentation, each antenna transmits at a maximum allowed power of 9 dBm.

> Table 5-2 6 GHz WLAN Body-worn MIMO SAR

									MEASUR	EMENT RE	SULTS									
FREQUE	NCY	Mode	Service	Bandwidth	Maximum Allowed Power	Conducted Power	Maximum Allowed Power	Conducted Power	Power Drift	Spacing	Antenna	Device Serial	Data Rate	Side	Duty Cycle (%)	SAR (1g)	Scaling Factor	Scaling Factor (Duty	Reported SAR (1g)	Plot#
MHz	Ch.	mode	Service	[MHz]	(Ant 1) [dBm]	(Ant 1) [dBm]	(Ant 2) [dBm]	(Ant 2) [dBm]	[dB]	Spacing	Config.	Number	(Mbps)	Side	buty Cycle (//g	(W/kg)	(Power)	Cycle)	(W/kg)	FIOLE
6065.00	23	802.11ax	OFDM	80	9.0	7.57	9.0	8.74	-0.13	15 mm	MIMO	1285M	68.1	back	90.6	0.012	1.390	1.104	0.018	
6305.00	71	802.11ax	OFDM	80	9.0	7.89	9.0	8.17	-0.12	15 mm	MIMO	1285M	68.1	back	90.6	0.005	1.291	1.104	0.007	
6545.00	119	802.11ax	OFDM	80	9.0	7.91	9.0	8.41	0.14	15 mm	MIMO	1285M	68.1	back	90.6	0.003	1.285	1.104	0.004	
6785.00	167	802.11ax	OFDM	80	9.0	7.53	9.0	8.44	0.14	15 mm	MIMO	1285M	68.1	back	90.6	0.009	1.403	1.104	0.014	
7025.00	215	802.11ax	OFDM	80	9.0	8.08	9.0	8.74	-0.18	15 mm	MIMO	1285M	68.1	back	90.6	0.045	1.236	1.104	0.061	A2
				ANSI / II	EEE C95.1 1992	- SAFETY LIMIT									Body					
	Spatial Peak Uncontrolled Exposure/General Population												.6 W/kg (mW. raged over 1 g							

Note: To achieve the 12 dBm maximum allowed MIMO power shown in the documentation, each antenna transmits at a maximum allowed power of 9 dBm.

Table 5-3 6 GHz WLAN Phablet MIMO SAR

								MEASUREMI	ENT RES	ULTS										
FREQUE	NCY	Mode	Service	Bandwidth	Maximum Allowed Power	Conducted Power	Maximum Allowed Power	Conducted Power	Power Drift	Spacing	Antenna	Device Serial	Data Rate	Side	Duty Cycle	SAR (10g)	Scaling Factor	Scaling Factor (Duty	Reported SAR (10g)	Plot#
MHz	Ch.	wode	Service	[MHz]	(Ant 1) [dBm]	(Ant 1) [dBm]	(Ant 2) [dBm]	(Ant 2) [dBm]	[dB]	Spacing	Config.	Number	(Mbps)	Side	(%)	(W/kg)	(Power)	Cycle)	(W/kg)	- FIOT#
6065.00	23	802.11ax	OFDM	80	9.0	7.57	9.0	8.74	-0.04	0 mm	MIMO	1285M	68.1	back	90.6	0.069	1.390	1.104	0.106	
6305.00	71	802.11ax	OFDM	80	9.0	7.89	9.0	8.17	-0.13	0 mm	MIMO	1285M	68.1	back	90.6	0.038	1.291	1.104	0.054	
6545.00	119	802.11ax	OFDM	80	9.0	7.91	9.0	8.41	-0.12	0 mm	MIMO	1285M	68.1	back	90.6	0.038	1.285	1.104	0.054	
6785.00	167	802.11ax	OFDM	80	9.0	7.53	9.0	8.44	-0.10	0 mm	MIMO	1285M	68.1	back	90.6	0.082	1.403	1.104	0.127	
7025.00	215	802.11ax	OFDM	80	9.0	8.08	9.0	8.74	0.19	0 mm	MIMO	1285M	68.1	back	90.6	0.236	1.236	1.104	0.322	А3
7025.00	215	802.11ax	OFDM	80	9.0	8.08	9.0	8.74	-0.19	0 mm	MIMO	1285M	68.1	front	90.6	0.015	1.236	1.104	0.020	
7025.00	215	802.11ax	OFDM	80	9.0	8.08	9.0	8.74	-0.13	0 mm	MIMO	1285M	68.1	top	90.6	0.008	1.236	1.104	0.011	
7025.00	215	802.11ax	OFDM	80	9.0	8.08	9.0	8.74	-0.17	0 mm	MIMO	1285M	68.1	left	90.6	0.023	1.236	1.104	0.031	
				ANSI / IEE	E C95.1 1992 -	SAFETY LIMIT									Р	hablet				
					Spatial Peal	k									4.0 W/	kg (mW/g)				1
	Uncontrolled Exposure/General Population												а	veraged	over 10 gram	S				

Note: To achieve the 12 dBm maximum allowed MIMO power shown in the documentation, each antenna transmits at a maximum allowed power of 9 dBm.

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Table 5-4 6 GHz WLAN Head MIMO Absorbed Power Density

	o one man o moon out of the control																
	MEASUREMENT RESULTS																
FREQUI	NCY	Mode	Service	Bandwidth	Maximum Allowed Power	Conducted Power	Maximum Allowed Power	Conducted Power	Power	Side	Test	Antenna	Device Serial	Data Rate	Duty Cycle	Measured APD	Plot#
MHz	Ch.	Mode	Service	[MHz]	(Ant 1) [dBm]	(Ant 1) [dBm]	(Ant 2) [dBm]	(Ant 2) [dBm]	Drift [dB]	Side	Position	Config.	Number	(Mbps)	(%)	W/m ² (4cm ²)	PIOT#
7025.00	215	802.11ax	OFDM	80	9.0	8.08	9.0	8.74	0.19	Right	Cheek	MIMO	1285M	68.1	90.6	0.084	
7025.00	215	802.11ax	OFDM	80	9.0	8.08	9.0	8.74	-0.15	Right	Tilt	MIMO	1285M	68.1	90.6	0.049	
7025.00	215	802.11ax	OFDM	80	9.0	8.08	9.0	8.74	0.11	Left	Cheek	MIMO	1285M	68.1	90.6	0.074	A1
7025.00	215	802.11ax	OFDM	80	9.0	8.08	9.0	8.74	-0.14	Left	Tilt	MIMO	1285M	68.1	90.6	0.034	

Note: To achieve the 12 dBm maximum allowed MIMO power shown in the documentation, each antenna transmits at a maximum allowed power of 9 dBm.

Table 5-5
6 GHz WLAN Body-worn MIMO Absorbed Power Density

					<u> </u>	***	<u> </u>	<u> </u>		00.00	<u>u . u .</u>						
	MEASUREMENT RESULTS																
FREQUE	NCY	Mode	Service	Bandwidth	Maximum Allowed Power	Conducted Power	Maximum Allowed Power	Conducted Power	Power Drift	Spacing	Antenna	Device Serial	Data Rate	Side	Duty Cycle (%)	Measured APD	Plot#
MHz	Ch.	mode	Gerride	[MHz]	(Ant 1) [dBm]	(Ant 1) [dBm]	(Ant 2) [dBm]	(Ant 2) [dBm]	[dB]	ораспід	Config.	Number	(Mbps)	Oldo	Buty Gyole (//g	W/m² (4cm²)	. 100
6065.00	23	802.11ax	OFDM	80	9.0	7.57	9.0	8.74	-0.13	15 mm	MIMO	1285M	68.1	back	90.6	0.079	
6305.00	71	802.11ax	OFDM	80	9.0	7.89	9.0	8.17	-0.12	15 mm	MIMO	1285M	68.1	back	90.6	0.033	
6545.00	119	802.11ax	OFDM	80	9.0	7.91	9.0	8.41	0.14	15 mm	MIMO	1285M	68.1	back	90.6	0.008	
6785.00	167	802.11ax	OFDM	80	9.0	7.53	9.0	8.44	0.14	15 mm	MIMO	1285M	68.1	back	90.6	0.044	
7025.00	215	802.11ax	OFDM	80	9.0	8.08	9.0	8.74	-0.18	15 mm	MIMO	1285M	68.1	back	90.6	0.332	A2

Note: To achieve the 12 dBm maximum allowed MIMO power shown in the documentation, each antenna transmits at a maximum allowed power of 9 dBm.

Table 5-6
6 GHz WLAN Phablet MIMO Absorbed Power Density

	MEASUREMENT RESULTS																
FREQU	ENCY	Mode	Service	Bandwidth	Maximum Allowed Power	Conducted Power	Maximum Allowed Power	Conducted Power	Power Drift	Spacing	Antenna	Device Serial	Data Rate	Side	Duty	Measured APD	Plot #
MHz	Ch.	Mode	Service	[MHz]	(Ant 1) [dBm]	(Ant 1) [dBm]	(Ant 2) [dBm]	(Ant 2) [dBm]	[dB]	Spacing	Config.	Number	(Mbps)	Side	Cycle (%)	W/m² (4cm²)	PIOL#
6065.00	23	802.11ax	OFDM	80	9.0	7.57	9.0	8.74	-0.04	0 mm	MIMO	1285M	68.1	back	90.6	1.730	
6305.00	71	802.11ax	OFDM	80	9.0	7.89	9.0	8.17	-0.13	0 mm	MIMO	1285M	68.1	back	90.6	0.961	
6545.00	119	802.11ax	OFDM	80	9.0	7.91	9.0	8.41	-0.12	0 mm	MIMO	1285M	68.1	back	90.6	0.943	
6785.00	167	802.11ax	OFDM	80	9.0	7.53	9.0	8.44	-0.10	0 mm	MIMO	1285M	68.1	back	90.6	2.040	
7025.00	215	802.11ax	OFDM	80	9.0	8.08	9.0	8.74	0.19	0 mm	MIMO	1285M	68.1	back	90.6	5.910	А3
7025.00	215	802.11ax	OFDM	80	9.0	8.08	9.0	8.74	-0.19	0 mm	MIMO	1285M	68.1	front	90.6	0.375	
7025.00	215	802.11ax	OFDM	80	9.0	8.08	9.0	8.74	-0.13	0 mm	MIMO	1285M	68.1	top	90.6	0.210	
7025.00	215	802.11ax	OFDM	80	9.0	8.08	9.0	8.74	-0.17	0 mm	MIMO	1285M	68.1	left	90.6	0.587	

Note: To achieve the 12 dBm maximum allowed MIMO power shown in the documentation, each antenna transmits at a maximum allowed power of 9 dBm.

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SAR and Absorbed Power Density General Notes:

- 1. The test data reported are the worst-case SAR values according to test procedures specified in IEEE 1528-2013, and FCC KDB Publication 447498 D01v06.
- 2. Batteries are fully charged at the beginning of the SAR measurements.
- 3. Liquid tissue depth was at least 15.0 cm for all frequencies.
- 4. The manufacturer has confirmed that the device(s) tested have the same physical, mechanical and thermal characteristics and are within operational tolerances expected for production units.
- 5. SAR results were scaled to the maximum allowed power to demonstrate compliance per FCC KDB Publication 447498 D01v06.
- 6. Device was tested using a fixed spacing for body-worn accessory testing. A separation distance of 15 mm was considered because the manufacturer has determined that there will be body-worn accessories available in the marketplace for users to support this separation distance.
- 7. Per FCC KDB Publication 648474 D04v01r03, body-worn SAR was evaluated without a headset connected to the device. Since the standalone reported body-worn SAR was ≤ 1.2 W/kg, no additional body-worn SAR evaluations using a headset cable were required.
- 8. Per FCC KDB Publication 648474 D04v01r03, this device is considered a "phablet" since the diagonal dimension is > 160 mm and < 200 mm. Therefore, phablet SAR tests are required when wireless router mode does not apply or if wireless router 1g SAR > 1.2 W/kg.
- 9. Additional SAR tests for phablet SAR were evaluated per KDB 616217 Section 6.
- 10. Unless otherwise noted, when 10g SAR measurement is considered, a factor of 2.5 is applied to the thresholds below.
- 11. Per FCC guidance, SAR was performed using 6.5 GHz SAR probe calibration factors. Per October 2020 TCB Workshop notes, 5 channels were tested. Absorbed power density (APD) using a 4cm2 averaging area is reported based on SAR measurements.

WLAN Notes:

- 1. WIFI 6 GHz operations are limited to MIMO operations only (does not support stand-alone mode). Per KDB Publication 248227 D01v02r02, SAR for MIMO was evaluated by following the simultaneous SAR provisions from KDB Publication 447498 D01v06 by making a SAR measurement with both antennas transmitting simultaneously.
- 2. When the maximum reported 1g averaged SAR is ≤0.8 W/kg, SAR testing on additional channels was not required. Otherwise, SAR for the next highest output power channel was required until the reported SAR result was ≤ 1.20 W/kg for 1g evaluations or all test channels were measured.
- 3. The device was configured to transmit continuously at the required data rate, channel bandwidth and signal modulation, using the highest transmission duty factor supported by the test mode tools. The reported SAR was scaled to the 100% transmission duty factor to determine compliance. Procedures used to measure the duty factor are identical to that in the associated EMC test reports.
- 4. When 10g SAR measurement is considered, a factor of 2.5 is applied to the thresholds above.

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5.2 Power Density Results

Table 5-7
6 GHz WLAN MIMO Power Density

	6 GHZ WLAN MIMO Power Density																		
									MEASUREN	IENT RES	SULTS								
Frequency (MHz)	Channel	Mode	Service	Bandwidth [MHz]	Power Drift (dB)	Spacing (mm)	Antenna Config.	DUT Serial Number	Data Rate (Mbps)	Side	Duty Cycle (%)	Grid Step (λ)	iPD (W/m²)	Scaling Factor for Measurement Uncertainty	Normal psPD (W/m²)	Scaled Normal psPD (W/m²)	Total psPD (W/m²)	Scaled Total psPD (W/m²)	Plot #
6065.00	23	802.11ax	OFDM	80	-0.02	2	мімо	TJ91575M	68.1	Back	90.6	0.0625	140.339	1.545	0.390	0.603	0.571	0.882	
6065.00	23	802.11ax	OFDM	80	-0.04	10	МІМО	TJ91575M	68.1	Back	90.6	0.0625	130.114	1.545	0.369	0.570	0.394	0.609	
6305.00	71	802.11ax	OFDM	80	-0.19	2	МІМО	TJ91575M	68.1	Back	90.6	0.0625	N/A	1.545	0.399	0.616	0.506	0.782	
6545.00	119	802.11ax	OFDM	80	-0.19	2	МІМО	TJ91575M	68.1	Back	90.6	0.0625	N/A	1.545	0.342	0.528	0.415	0.641	
6785.00	167	802.11ax	OFDM	80	0.15	2	мімо	TJ91575M	68.1	Back	90.6	0.0625	N/A	1.545	0.255	0.394	0.371	0.573	
7025.00	215	802.11ax	OFDM	80	-0.20	2	МІМО	TJ91575M	68.1	Back	90.6	0.0625	641.174	1.545	0.745	1.151	1.190	1.839	A4
7025.00	215	802.11ax	OFDM	80	-0.09	8.54	мімо	TJ91575M	68.1	Back	90.6	0.0625	581.843	1.545	0.362	0.559	0.451	0.697	
7025.00	215	802.11ax	OFDM	80	0.04	2	МІМО	TJ91575M	68.1	Front	90.6	0.0625	N/A	1.545	0.154	0.238	0.164	0.253	
7025.00	215	802.11ax	OFDM	80	0.19	2	МІМО	TJ91575M	68.1	Тор	90.6	0.0625	N/A	1.545	0.171	0.264	0.179	0.277	
7025.00	5.00 215 802.11ax OFDM 80 0.20 2 MIN						мімо	TJ91575M	68.1	Left	90.6	0.0625	N/A	1.545	0.192	0.297	0.229	0.354	
			Spatial A	SAFETY LIMIT verage / General Popu	lation			Power Density 10 W/m² averaged over 4 cm²											

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Power Density General Notes

- 1. The manufacturer has confirmed that the devices tested have the same physical, mechanical and thermal characteristics and are within operational tolerances expected for production units.
- 2. Batteries are fully charged at the beginning of the measurements. The DUT was connected to a wall charger for some measurements due to the test duration. It was confirmed that the charger plugged into this DUT did not impact the near-field PD test results.
- 3. Power density was calculated by repeated E-field measurements on two measurement planes separated by $\lambda/4$.
- 4. The device was configured to transmit continuously at the required data rate, channel bandwidth and signal modulation, using the highest transmission duty factor supported by the test mode tools.
- 5. Per FCC guidance and equipment manufacturer guidance, power density results were scaled according to IEC 62479:2010 for the portion of the measurement uncertainty > 30%. Total expanded uncertainty of 2.66 dB (84.5%) was used to determine the psPD measurement scaling factor.
- 6. Per equipment manufacturer guidance, power density was measured at d=2mm and d= λ /5mm using the same grid size and grid step size for some frequencies and surfaces. The integrated Power Density (iPD) was calculated based on these measurements. Since iPD ratio between the two distances is < 1dB, the grid step was sufficient for determining compliance at d=2mm.
- 7. WIFI 6 GHz operations are limited to MIMO operations only (does not support stand-alone mode). psPD for MIMO was evaluated by making a measurement with both antennas transmitting simultaneously.

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6 EQUIPMENT LIST

Manufacturer	Model	Description	Cal Date	Cal Interval	Cal Due	Serial Number
-	WL25-1	Conducted Cable Set (25GHz)	09/16/20	Annual	09/16/21	WL25-1
Agilent	N9038A	MXE EMI Receiver	08/11/20	Annual	08/11/21	MY51210133
Agilent	N9030A	PXA Signal Analyzer (44GHz)	08/17/20	Annual	08/17/21	MY52350166
Rohde & Schwarz	ESU40	EMI Test Receiver (40GHz)	9/92020	Annual	09/09/21	100348
Rohde & Schwarz	SFUNIT-Rx	Shielded Filter Unit	02/21/20	Annual	02/21/21	102133
Rohde & Schwarz	FSW67	Signal / Spectrum Analyzer	08/10/20	Annual	08/10/21	103200
Sunol	JB5	Bi-Log Antenna (30M - 5GHz)	07/27/20	Biennial	07/27/22	A051107
SPEAG	EUmmWV3	EUmmWV3 Probe	03/17/20	Annual	03/17/21	9414
SPEAG	SM 003 100 AA	10GHz System Verification Antenna	8/14/2020	Annual	8/14/2021	1004
SPEAG	DAE4	Dasy Data Acquisition Electronics	03/12/20	Annual	03/12/21	1415
Agilent	N9030A	PXA Signal Analyzer (44GHz)	08/17/20	Annual	08/17/21	MY52350166
Emco	3115	Horn Antenna (1-18GHz)	06/18/20	Biennial	06/18/22	9704-5182
Keysight Technologies	N9030A	3Hz-44GHz PXA Signal Analyzer	07/17/20	Annual	07/17/21	MY49430494
Rohde & Schwarz	ESU26	EMI Test Receiver (26.5GHz)	07/15/20	Annual	07/15/21	100342
Rohde & Schwarz	SFUNIT-Rx	Shielded Filter Unit	02/10/20	Annual	02/10/21	102134
Sunol	JB5	Bi-Log Antenna (30M - 5GHz)	07/27/20	Biennial	07/27/22	A051107
SPEAG	EX3DV4	SAR Probe	09/17/20	Annual	09/17/21	7457
SPEAG	DAE4	Dasy Data Acquisition Electronics	09/10/20	Annual	09/10/21	1449
SPEAG	D6.5GHzV2	6.5GHz SAR Dipole	09/09/20	Annual	09/09/21	1007
Control Company	4352	Long Stem Thermometer	6/26/2019	Biennial	6/26/2021	192282753
Rohde & Schwarz	SMF100A	Signal Generator	5/7/2020	Biennial	5/7/2022	101590
Amplifier Research	15S1G6	Amplifier	N/A	CBT	N/A	433975
Rohde & Schwarz	SMU200A	Vector Signal Generator	5/12/2020	Biennial	5/12/2022	104145
Rohde & Schwarz	ZNLE6	Vector Network Analyzer	9/29/2020	Annual	9/29/2021	101307
SPEAG	DAK-3.5	Dielectric Assessment Kit	5/12/2020	Annual	5/12/2021	1070

Note:

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

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MEASUREMENT UNCERTAINTIES

Applicable for SAR measurements:

a	b	С	d	e=	f	8	h=	i =	k
				f(d,k)			c x f/e	c x g/e	
	IEEE	Tol.	Prob.		Ci	C _i	1gm	10gms	
Uncertainty Component	1528 Sec.	(± %)	Dist.	Div.	1gm	10 gms	ц	ui	Vi
	000.						(± %)	(± %)	
Measurement System									
Probe Calibration	E.2.1	9.3	N	1	1	1	9.3	9.3	∞
Axial Isotropy	E.2.2	0.25	N	1	0.7	0.7	0.2	0.2	∞
Hemishperical Isotropy	E.2.2	1.3	N	1	0.7	0.7	0.9	0.9	00
Boundary Effect	E.2.3	2	R	1.732	1	1	1.2	1.2	∞
Linearity	E.2.4	0.3	N	1	1	1	0.3	0.3	∞
System Detection Limits	E.2.4	0.25	R	1.732	1	1	0.1	0.1	∞
Readout Electronics	E.2.6	0.3	N	1	1	1	0.3	0.3	∞
Response Time	E.2.7	8.0	R	1.732	1	1	0.5	0.5	∞
Integration Time	E.2.8	2.6	R	1.732	1	1	1.5	1.5	∞
RF Ambient Conditions - Noise	E.6.1	3	R	1.732	1	1	1.7	1.7	∞
RF Ambient Conditions - Reflections	E.6.1	3	R	1.732	1	1	1.7	1.7	∞
Probe Positioner Mechanical Tolerance	E.6.2	0.4	R	1.732	1	1	0.2	0.2	∞
Probe Positioning w/ respect to Phantom	E.6.3	6.7	R	1.732	1	1	3.9	3.9	00
Extrapolation, Interpolation & Integration algorithms for Max. SAR Evaluation	E.5	4	R	1.732	1	1	2.3	2.3	00
Test Sample Related	•								
Test Sample Positioning	E.4.2	2.70	N	1	1	1	2.7	2.7	35
Device Holder Uncertainty	E.4.1	1.67	N	1	1	1	1.7	1.7	5
Output Power Variation - SAR drift measurement	E.2.9	5	R	1.732	1	1	2.9	2.9	00
SAR Scaling	E.6.5	0	R	1.732	1	1	0.0	0.0	∞
Phantom & Tissue Parameters									
Phantom Uncertainty (Shape & Thickness tolerances)	E.3.1	7.6	R	1.73	1.0	1.0	4.4	4.4	∞
Liquid Conductivity - measurement uncertainty	E.3.3	4.2	N	1	0.78	0.71	3.3	3.0	76
Liquid Permittivity - measurement uncertainty	E.3.3	4.1	N	1	0.23	0.26	0.9	1.1	75
Liquid Conductivity - Temperature Uncertainty	E.3.4	3.4	R	1.732	0.78	0.71	1.5	1.4	00
Liquid Permittivity - Temperature Unceritainty	E.3.4	0.6	R	1.732	0.23	0.26	0.1	0.1	∞
Liquid Conductivity - deviation from target values	E.3.2	5.0	R	1.73	0.64	0.43	1.8	1.2	00
Liquid Permittivity - deviation from target values	E.3.2	5.0	R	1.73	0.60	0.49	1.7	1.4	00
Combined Standard Uncertainty (k=1)			RSS			l	13.3	13.1	191
Expanded Uncertainty			k=2				26.5	26.1	
(95% CONFIDENCE LEVEL)									

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Applicable for Power Density Measurements:

a	b	С	d	e	f =	8
					c x f/e	
	Unc.	Prob.			u _i	
Uncertainty Component	(± dB)	Dist.	Div.	c _i	(± dB)	v _i
Measurement System						<u> </u>
Probe Calibration	0.49	N	1	1.0	0.49	∞
Hemishperical Isotropy	0.5	R	1.73	1.0	0.29	∞
Linearity	0.2	R	1.73	0.0	0.00	∞
Detection Limits	0.04	R	1.73	1.0	0.02	∞
Modulation Response	0.4	R	1.73	1.0	0.23	∞
Resource Block Offset	0.1	R	1.73	1.0	0.06	
Readout Electronics	0.03	Ν	1	1.0	0.03	∞
Response Time	0	R	1.73	1.0	0.00	∞
Integration Time	0	R	1.73	1.0	0.00	∞
RF Ambient Conditions - Noise	0.04	R	1.73	1.0	0.02	∞
RF Ambient Conditions - Reflections	0.21	R	1.73	1.0	0.12	∞
Probe Positioner	0.04	R	1.73	1.0	0.02	∞
Probe Positioning	0.3	R	1.73	1.0	0.17	∞
S _{avg} Reconstruction	2.0	R	1.73	1.0	1.15	80
Test Sample Related	·					•
Power Drift	0.21	R	1.73	1.0	0.12	∞
Input Power	0.0	N	1	0.0	0.00	∞
Combined Standard Uncertainty (k=1) RSS					1.33	8
Expanded Uncertainty k=2					2.66	
(95% CONFIDENCE LEVEL)						
			-			

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9 CONCLUSION

hereof, please contact INFO@PCTEST.COM.

9.1 Measurement Conclusion

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

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

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APPENDIX A: TEST PLOTS

Date: 11/23/2020

MIMO; Channel 215; 802.11ax

Device Under Test Properties

DUT	Serial Number	DUT Type
A3LSMG998U	1285M	Portable Handset

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	Group, UID	TSL Conductivity [S/m]	TSL Permittivity	
Left Head, HSL	CHEEK, 0.00	7025.0, 215	5.7	WLAN, 10731	6.65	31.3	

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 Right - 1981	6000 Head, 2020-11-23	EX3DV4 - SN7457, 2020-09-17	DAE4 Sn1449, 2020-09-10

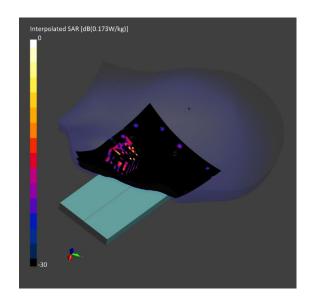
Software Setup

Software	Software Version
cDASY6	6.14.0.959

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 195.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	7.5 x 7.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4
MAIA	Y	Y

News and the results		
	Zoom Scan	
psSAR1g [W/Kg]	0.017	
APD 4cm ² [W/m ²]	0.074	
Power Drift [dB]	0.11	



Date: 11/23/2020

MIMO; Channel 215; 802.11ax

Device Under Test Properties

DUT	Serial Number	DUT Type
A3LSMG998U	1285M	Portable Handset

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	Group, UID	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 15.00	7025.0, 215	5.7	WLAN, 10719	6.65	31.3

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 Right - 1981	6000 Head, 2020-11-23	EX3DV4 - SN7457, 2020-09-17	DAE4 Sn1449, 2020-09-10

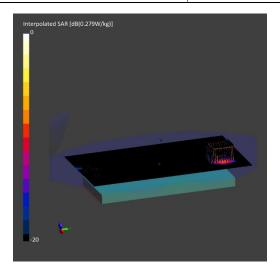
Software Setup

Software	Software Version
cDASY6	6.14.0.959

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 195.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	7.5 x 7.5	3.0 x 3.0 x 1.4
Sensor Surface [mm]	3.0	1.4
MAIA	Y	Y

	Zoom Scan
psSAR1g [W/Kg]	0.045
APD 1cm ² [W/m ²]	0.332
Power Drift [dB]	-0.18



Date: 11/23/2020

MIMO; Channel 215; 802.11ax

Device Under Test Properties

DUT	Serial Number	DUT Type
A3LSMG998U	1285M	Portable Handset

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	Group, UID	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 0.00	7025.0, 215	5.7	WLAN, 10731	6.65	31.3

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date	
Twin-SAM V8.0 Right - 1981	6000 Head, 2020-11-23	EX3DV4 - SN7457, 2020-09-17	DAE4 Sn1449, 2020-09-10	

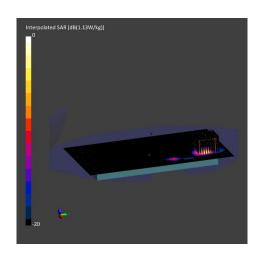
Software Setup

Software	Software Version
cDASY6	6.14.0.959

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 195.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	7.5 x 7.5	3.1 x 3.1 x 1.2
Sensor Surface [mm]	3.0	1.4
MAIA	Υ	Y

	Zoom Scan
psSAR10g [W/Kg]	0.236
APD 4cm ² [W/m ²]	5.910
Power Drift [dB	0.19



Date: 11/11/2020

MIMO; Channel 215; 802.11ax

Device Under Test Properties

DUT	Serial Number	DUT Type
A3LSMG998U	TJ91575M	Portable Handset

Exposure Conditions

Phantom Section	Position	Test Distance [mm]	Channel	Group, UID	Frequency [MHz]
5G	BACK	2.00	215	WLAN, 10719	7025.00

Hardware Setup

Probe, Calibration Date	DAE, Calibration Date
EUmmWV3 - SN9414, 03/17/2020	DAE4 SN1415, 03/12/2020

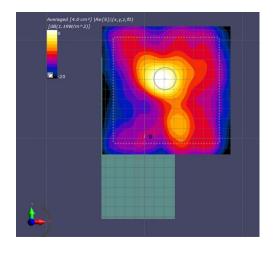
Software Setup

Software	Software Version
cDASY6 Module mmWave	2.0.2.34

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	130x130
Grid Steps [lambda]	0.0625 x 0.0625
Sensor Surface [mm]	2.0

Scan Type	5G Scan
Avg. Area [cm²]	4.00
pS _{tot} avg [W/m ²]	1.19
pS _n avg [W/m ²]	0.745
E _{peak} [V/m]	35.5
Power Drift [dB]	-0.20



APPENDIX B: SYSTEM VERIFICATION PLOTS

Date: 11-23-2020

6500MHz Head Verification

Medium

Frequency [MHz]	TSL	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [C]	Tissue Temperature [C]
6500.0	6000 Head	6.06	32.4	22.4	21.9

Exposure Conditions

Phantom Section	Test Distance [mm]	Power [dBm]	Communication System, UID
Flat	5	17.0	CW, 0

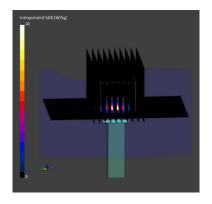
Hardware Setup

Phantom	Dipole	Probe, Calibration Date	Conversion Factor	DAE, Calibration Date
Twin-SAM V8.0 Right - 1981	D6.5GHzV2 - SN1007	EX3DV4 - SN7457, 2020-09-17	5.25	DAE4 Sn1449, 2020-09-10

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	51.0 x 85.0	50.0 × 30.0 × 30.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	No	Yes
Grading Ratio	n/a	1.4

	Zoom Scan
psSAR1g [W/Kg]	14.7
psSAR10g [W/Kg]	2.68
4cm ² ADP [W/m ²]	67.0
Dev. 1g [%]	1.38
Dev. 10g [%]	0.75
Dev. 4cm² ADP [%]	3.47



PCTEST

Date: 11-30-2020

6500MHz Head Verification

Medium

Frequency [MHz]	TSL	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [C]	Tissue Temperature [C]
6500.0	6000 Head	6.31	32.7	21.2	20.1

Exposure Conditions

Phantom Section	Test Distance [mm]	Power [dBm]	Communication System, UID
Flat	5	17.0	CW, 0

Hardware Setup

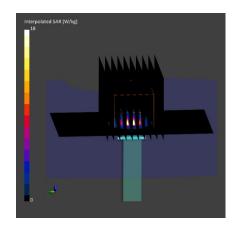
Phantom	Dipole	Probe, Calibration Date	Conversion Factor	DAE, Calibration Date
Twin-SAM V8.0 Right - 1981	D6.5GHzV2 - SN1007	EX3DV4 - SN7457, 2020-09-17	5.25	DAE4 Sn1449, 2020-09-10

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	51.0 x 85.0	50.0 x 30.0 x 30.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	No	Yes
Grading Ratio	n/a	1.4

Measurement Results

	Zoom Scan
psSAR1g [W/Kg]	14.6
psSAR10g [W/Kg]	2.67
4cm ² ADP [W/m ²]	66.8
Dev. 1g [%]	0.69
Dev. 10g [%]	0.38
Dev. 4cm² ADP [%]	3.17



PCTEST

Date: 11/11/2020

10 GHz System Verification

Device Under Test Properties

DUT	Serial Number
10 GHz Verification Source	1004

Exposure Conditions

Phantom Section	Position	Test Distance [mm]	Band	Frequency [MHz]
5G	FRONT	10.00	Validation band	10000.0

Hardware Setup

Probe, Calibration Date	DAE, Calibration Date	
EUmmWV3 - SN9414, 03/17/2020	DAE4 SN1415, 03/12/2020	

Software Setup

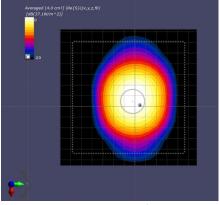
Software	Software Version
cDASY6 Module mmWave	2.0.2.34

Scans Setup

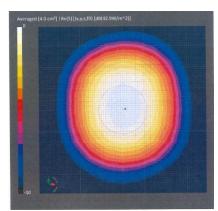
Scan Type	5G Scan
Grid Extents [mm]	120 x 120
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	10.00

Measurement Results

Scan Type	5G Scan
Avg. Area [cm²]	4.00
pS _{tot} avg [W/m ²]	37.1
pS _n avg [W/m ²]	36.8
E _{peak} [V/m]	135
Deviation (dB)	-0.63



30GHz System Verification



Calibration Certificate

APPENDIX D: EQUIPMENT CALIBRATION CERTIFICATES

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





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

Accreditation No.: SCS 0108

Accredited by the Swiss Accreditation Service (SAS)

The Swiss Accreditation Service is one of the signatories to the EA

Multilateral Agreement for the recognition of calibration certificates

Client

BNN-SPEAG Laboratory

Certificate No: EX3-7457_Sep20

CALIBRATION CERTIFICATE

Object

EX3DV4 - SN:7457

BN V

Calibration procedure(s)

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

QA CAL-25.v7

Calibration procedure for dosimetric E-field probes

Calibration date:

September 17, 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	01-Apr-20 (No. 217-03100/03101)	Apr-21
Power sensor NRP-Z91	SN: 103244	01-Apr-20 (No. 217-03100)	Apr-21
Power sensor NRP-Z91	SN: 103245	01-Apr-20 (No. 217-03101)	Apr-21
Reference 20 dB Attenuator	SN: CC2552 (20x)	31-Mar-20 (No. 217-03106)	Apr-21
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-20)	In house check: Jun-22
Power sensor E4412A	SN: MY41498087	06-Apr-16 (in house check Jun-20)	In house check: Jun-22
Power sensor E4412A	SN: 000110210	06-Apr-16 (in house check Jun-20)	In house check: Jun-22
RF generator HP 8648C	SN: US3642U01700	04-Aug-99 (in house check Jun-20)	In house check: Jun-22
Network Analyzer E8358A	SN: US41080477	31-Mar-14 (in house check Oct-19)	In house check: Oct-20

Calibrated by:

Name
Function
Signature
Laboratory Technician

Approved by:

Katja Pokovic
Technical Manager

Issued: September 17, 2020

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

Calibration Laboratory of

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





S Schweizerischer Kalibrierdienst

C Service suisse d'étalonnage

Servizio svizzero di taratura Swiss Calibration Service

Accreditation No.: SCS 0108

Accredited by the Swiss Accreditation Service (SAS)

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

Glossary:

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

ConvF DCP

sensitivity in TSL / NORMx,y,z diode compression point

CF A, B, C, D

crest factor (1/duty_cycle) of the RF signal modulation dependent linearization parameters

Polarization φ

φ rotation around probe axis

Polarization 9

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

i.e., $\theta = 0$ is normal to probe axis

Connector Angle

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

Calibration is Performed According to the Following Standards:

 a) 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"

Methods Applied and Interpretation of Parameters:

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

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EX3DV4 - SN:7457

DASY/EASY - Parameters of Probe: EX3DV4 - SN:7457

Basic Calibration Parameters

	Sensor X	Sensor Y	Sensor Z	Unc (k=2)
Norm (μV/(V/m) ²) ^A	0.39	0.45	0.38	± 10.1 %
DCP (mV) ^B	102.9	99.9	98.8	14177

Calibration Results for Modulation Response

UID	Communication System Name		A dB	B dB√μV	С	D dB	VR mV	Max dev.	Max Unc ^E
0	cw	$+_{x}$	0.00	0.00	1.00	0.00	107.0		(k=2)
		Y	0.00	0.00		0.00	167.9	± 2.5 %	± 4.7 %
		Z	0.00	0.00	1.00	-	149.9	į	
10352-	Pulse Waveform (200Hz, 10%)	X	48.00	100.00	1.00	40.00	164.3	ļ	<u> </u>
AAA	(2001.2, 1070)	Ŷ	20.00		23.00	10.00	60.0	± 3.8 %	± 9.6 %
		Z	36.00	97.38	24.11	-	60.0		
10353-	Pulse Waveform (200Hz, 20%)	$\frac{1}{X}$	20.00	98.00	23.00	0.00	60.0		
AAA	1 2.55 Travoloitii (200712, 2078)	Ŷ	20.00	90.61	19.23	6.99	80.0	± 2.5 %	± 9.6 %
		Z		103.68	26.22	_	80.0	_	
10354-	Pulse Waveform (200Hz, 40%)	$\frac{2}{X}$	20.00	92.21	20.37		80.0		
AAA	· 4070)	→ Ŷ	20.00	94.65	19.64	3.98	95.0	± 1.7 %	± 9.6 %
		Z	20.00	110.37	28.08	_	95.0	ļ	İ
10355-	Pulse Waveform (200Hz, 60%)		20.00	95.66	20.57		95.0		
AAA	1 dise Waveloitii (200Hz, 60%)	X	20.00	105.67	23.43	2.22	120.0	± 1.6 %	±9.6 %
,,,,			20.00	127.10	34.47]	120.0		
10387-	QPSK Waveform, 1 MHz	Z	20.00	102.53	22.57		120.0		
AAA	GFSK Wavelonn, I MHZ	X	1.93	68.12	16.59	1.00	150.0	± 1.2 %	± 9.6 %
, v v · ·		Y	2.09	67.56	16.69		150.0		
10388-	ODCK We - Control	Z	1.92	65.39	15.38		150.0		
AAA	QPSK Waveform, 10 MHz	X	2.64	70.85	17.39	0.00	150.0	±0.9 %	± 9.6 %
/V-V-1		Y	2.92	71.52	17.65		150.0		
10396-	CA CARANAL C 100 III	Z	2.51	68.57	16.04		150.0		
AAA	64-QAM Waveform, 100 kHz	X	2.84	70.22	18.65	3.01	150.0	± 0.7 %	± 9.6 %
/V-V-\		Υ	4.17	75.34	20.85		150.0		
10399-	04.0011111	Z	3.44	71.07	18.84		150.0		
10399- AAA	64-QAM Waveform, 40 MHz	Х	3.74	68.26	16.55	0.00	150.0	± 0.9 %	± 9.6 %
~V~V~		Υ	3.80	68.10	16.51	İ	150.0		
10444		Z	3.73	67.44	16.00		150.0	i	
10414-	WLAN CCDF, 64-QAM, 40MHz	X	5.06	66.20	15.96	0.00	150.0	± 0.8 %	± 9.6 %
AAA		Υ	5.17	65.90	15.82	j	150.0		0.0 /0
	dotoile en LUD novembre	Z	5.01	65.13	15.31		150.0		

Note: For details on UID parameters see Appendix

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

 $^{^{\}rm A}_{\rm b}$ The uncertainties of Norm X,Y,Z do not affect the E $^{\rm 2}$ -field uncertainty inside TSL (see Pages 5 and 6).

Numerical linearization parameter: uncertainty not required.

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

EX3DV4-- SN:7457

DASY/EASY - Parameters of Probe: EX3DV4 - SN:7457

Sensor Model Parameters

	C1 fF	C2 fF	α V ⁻¹	T1 ms.V ⁻²	T2 ms.V ⁻¹	T3 ms	T4 V ⁻²	T5 V-1	T6
_X	52.2	385.51	35.11	8.39	0.61	4.99	1.04	0.25	1.00
Υ	71.3	533.39	35.86	14.03	0.00	5.10	1.64	0.23	1.00
Z	75.6	565.58	35.73	10.96	0.63	5.00	1.16	0.33	1.01 1.01

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle (°)	-51.6
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	10 mm
Tip Length	9 mm
Tip Diameter	2.5 mm
Probe Tip to Sensor X Calibration Point	1 mm
Probe Tip to Sensor Y Calibration Point	1 mm
Probe Tip to Sensor Z Calibration Point	1 mm
Recommended Measurement Distance from Surface	1.4 mm

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

Certificate No: EX3-7457_Sep20

DASY/EASY - Parameters of Probe: EX3DV4 - SN:7457

Calibration Parameter Determined in Head Tissue Simulating Media

f (MHz) ^C	Relative Permittivity ^F	Conductivity (S/m) ^F	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc (k=2)
30	55.0	0.75	14.70	14.70	14.70	0.00	1.00	± 13.3 %
150	52.3	0.76	12.45	12.45	12.45	0.00	1.00	± 13.3 %
300	45.3	0.87	10.97	10.97	10.97	0.08	1.35	± 13.3 %
450	43.5	0.87	10.31	10.31	10.31	0.13	1.35	± 13.3 %
750	41.9	0.89	9.53	9.53	9.53	0.51	0.84	± 12.0 %
835	41.5	0.90	9.22	9.22	9.22	0.48	0.80	± 12.0 %
900	41.5	0.97	9.03	9.03	9.03	0.47	0.80	± 12.0 %
1450	40.5	1.20	8.36	8.36	8.36	0.36	0.80	± 12.0 %
1750	40.1	1.37	8.19	8.19	8.19	0.34	0.86	± 12.0 %
1900	40.0	1.40	7.79	7.79	7.79	0.38	0.86	± 12.0 %
1950	40.0	1.40	7.73	7.73	7.73	0.40	0.86	± 12.0 %
2100	39.8	1.49	7.69	7.69	7.69	0.35	0.85	± 12.0 %
2300	39.5	1.67	7.50	7.50	7.50	0.37	0.90	± 12.0 %
2450	39.2	1.80	7.20	7.20	7.20	0.42	0.92	± 12.0 %
2550	39.1	1.91	7.08	7.08	7.08	0.38	0.93	± 12.0 %
2600	39.0	1.96	7.06	7.06	7.06	0.39	0.95	± 12.0 %
3700	37.7	3.12	6.29	6.29	6.29	0.49	1.08	± 14.0 %
4200	37.1	3.63	6.04	6.04	6.04	0.40	1.70	± 14.0 %
5200	36.0	4.66	5.35	5.35	5.35	0.40	1.80	± 14.0 %
5500	35.6	4.96	4.68	4.68	4.68	0.40	1.80	± 14.0 %
5600	35.5	5.07	4.59	4.59	4.59	0.40	1.80	
5800	35.3	5.27	4.73	4.73	4.73	0.40	1.80	± 14.0 % ± 14.0 %

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

At frequencies up to 6 GHz, the validity of tissue parameters (ϵ and σ) can be relaxed to \pm 10% if liquid compensation formula is applied to measured SAR values. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters.

Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is

always less than ± 1% for frequencies below 3 GHz and below ± 2% for frequencies between 3-6 GHz at any distance larger than half the probe tip diameter from the boundary.

DASY/EASY - Parameters of Probe: EX3DV4 - SN:7457

Calibration Parameter Determined in Head Tissue Simulating Media

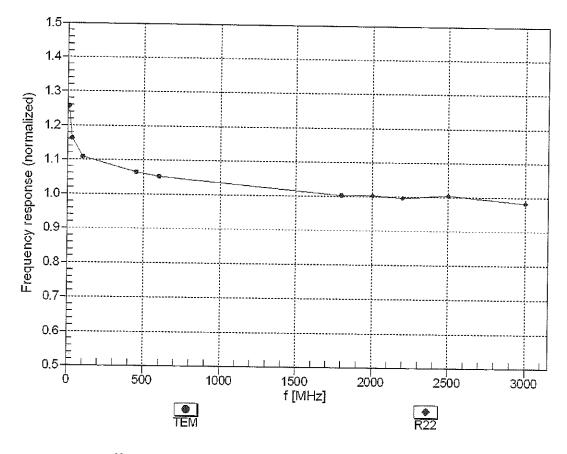
f (MHz) ^C	Relative Permittivity ^F	Conductivity (S/m) ^F	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc (k=2)
6500	34.5	6.07	5.25	5.25	5.25	0.20	2.50	± 18.6 %
7000	33.9	6.65	5.70	5.70	5.70	0.20	2.50	± 18.6 %
9000	31.5	9.08	5.75	5.75	5.75	0.35	2.00	± 18.6 %

^C Calibration procedure for frequencies above 6 GHz is pending accreditation. Frequency validity above 6GHz is ± 700 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band.

F At frequencies 6-10 GHz, the validity of tissue parameters (ε and σ) can be relaxed to ± 10% if liquid compensation formula is applied to measured SAR values. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters.

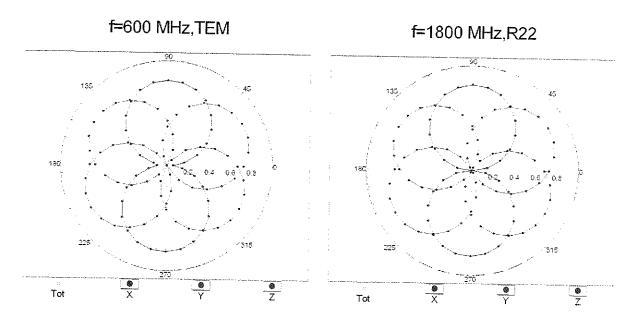
G Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than ± 1% for frequencies below 3 GHz; below ± 2% for frequencies between 3-6 GHz; and below ± 4% for frequencies between 6-10 GHz at any distance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

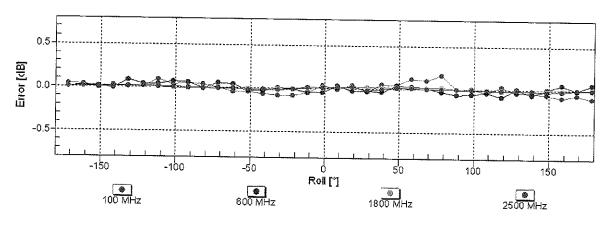
Frequency Response of E-Field (TEM-Cell:ifi110 EXX, Waveguide: R22)



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

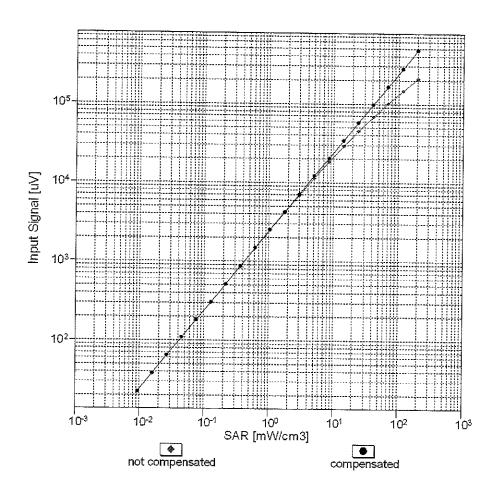
Receiving Pattern (ϕ), $\vartheta = 0^{\circ}$

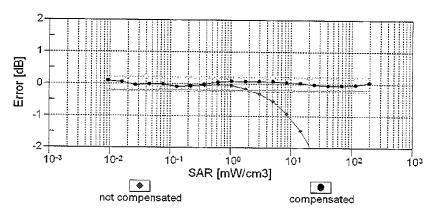




Uncertainty of Axial Isotropy Assessment: ± 0.5% (k=2)

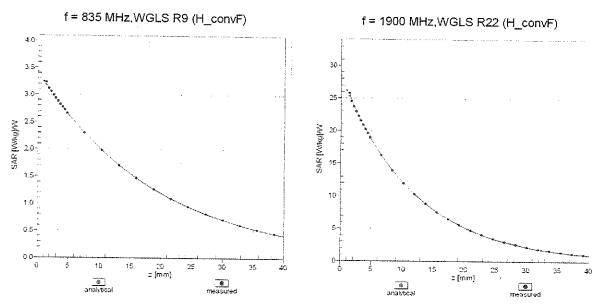
Dynamic Range f(SAR_{head}) (TEM cell , f_{eval}= 1900 MHz)



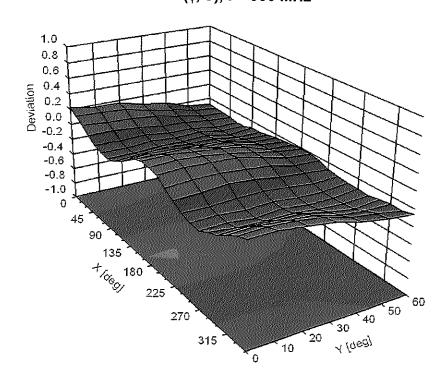


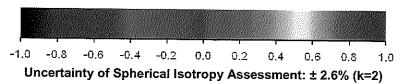
Uncertainty of Linearity Assessment: ± 0.6% (k=2)

Conversion Factor Assessment



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





EX3DV4-- SN:7457 September 17, 2020

Appendix: Modulation Calibration Parameters

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E
0		CW	CW	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	4.10	± 9.6 %
10042	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)	AMPS	7.78	
10044	CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	AMPS	0.00	± 9.6 %
10048	CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	DECT	13.80	± 9.6 %
10049	CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	DECT	10.79	±9.6 %
10056	CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	TD-SCDMA	11.01	±9.6 %
10058	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	GSM	6.52	±9.6 %
10059	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	WLAN	2.12	±9.6%
10060	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	WLAN	2.12	±9.6%
10061	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	WLAN	3.60	±9.6%
10062	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	WLAN		± 9.6 %
10063	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	WLAN	8.68 8.63	± 9.6 %
10064	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	WLAN		± 9.6 %
10065	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	WLAN	9.09	± 9.6 %
10066	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	WLAN		± 9.6 %
10067	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	WLAN	9.38	± 9.6 %
10068	CAD	IEEE 802.11a/n WiFi 5 GHz (OFDM, 48 Mbps)	WLAN	10.12	± 9.6 %
10069	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)	WLAN	10.24	± 9.6 %
10071	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	WLAN	10.56	± 9.6 %
10072	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	WLAN	9.83	± 9.6 %
10073	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	WLAN	9.62	± 9.6 %
10074	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	WLAN	9.94	± 9.6 %
10075	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	WLAN	10.30	± 9.6 %
10076	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	WLAN	10.77	± 9.6 %
10077	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	WLAN	10.94	± 9.6 %
10081	CAB	CDMA2000 (1xRTT, RC3)		11.00	± 9.6 %
10082	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)	CDMA2000	3.97	± 9.6 %
10090	DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	AMPS	4.77	± 9.6 %
10097	CAC	UMTS-FDD (HSDPA)	GSM	6.56	± 9.6 %
10098	DAC	UMTS-FDD (HSUPA, Subtest 2)	WCDMA	3.98	± 9.6 %
	, 570	(WCDMA	3.98	± 9.6 %

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	,				
10099	CAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	GSM	9.55	± 9.6 %
10100	CAC	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-FDD	5.67	±9.6%
10101	CAB	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	± 9.6 %
10102	CAB	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	± 9.6 %
10103	DAC	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-TDD	9.29	± 9.6 %
10104	CAE	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-TDD	9.97	± 9.6 %
10105	CAE	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-TDD	10.01	± 9.6 %
10108	CAE	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	CAG	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	WLAN	8.10	
10115	CAG	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	WLAN		±9.6 %
10116	CAG	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	WLAN	8.46	± 9.6 %
10117	CAG	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	WLAN	8.15	± 9.6 %
10118	CAD	IEEE 802.11n (HT Mixed, 13.5 Mbps, 16-QAM)		8.07	± 9.6 %
10119		IEEE 802.11n (HT Mixed, 35 Mbps, 64-QAM)	WLAN	8.59	± 9.6 %
10140	CAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	WLAN	8.13	± 9.6 %
10141	CAD		LTE-FDD	6.49	±9.6 %
10141	CAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-FDD	6.53	± 9.6 %
	CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10143	CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-FDD	6.35	± 9.6 %
10144	CAC	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-FDD	6.65	± 9.6 %
10145	CAC	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-FDD	5.76	±9.6 %
10146	CAC	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.41	± 9.6 %
10147	CAC	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	CAE	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-TDD	9.28	± 9.6 %
10152	CAE	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-TDD	9.92	± 9.6 %
10153	CAE	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-TDD	10.05	± 9.6 %
10154	CAF	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-FDD	5.75	± 9.6 %
10155	CAF	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	± 9.6 %
10156	CAF	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-FDD	5.79	± 9.6 %
10157	CAE	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-FDD	6.49	± 9.6 %
10158	CAE	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	CAG	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-FDD	5.82	± 9.6 %
10161	CAG	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-FDD	6.43	± 9.6 %
10162	CAG	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-FDD	6.58	± 9.6 %
10166	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-FDD	5.46	±9.6 %
10167	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.21	
10168	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-FDD		±9.6%
10169	CAG	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)		6.79	± 9.6 %
10170		LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-FDD	5.73	± 9.6 %
10171	CAG	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM) LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-FDD	6.52	± 9.6 %
10171	CAE		LTE-FDD	6.49	± 9.6 %
10172	CAE	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10173	CAE	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
	CAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10175	CAF	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-FDD	5.72	± 9.6 %
10176	CAF	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10177	CAE	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10178	CAE	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10179	AAE	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10180	CAG	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %

10182 CAG	40404				•	,
10183 CAG	10181	CAG	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-FDD	5.72	± 9.6 %
10188 CAG		CAG		LTE-FDD		
1018B CAG	1	CAG		LTE-FDD		
10186 CAR	,	CAG		LTE-FDD		
1018F CAG	£	CAI		LTE-FDD		
10186 CAG		CAG		LTE-FDD		
1018B CAG		CAG		LTE-FDD		
10198 CAE		CAG		LTE-FDD		
101995 CAE IEEE 802.11n (HT Greenfield, 93 Mbps, 16-CAM)		CAE				
10194 AAD IEEE 802.11n (HT Greenfield, 59 Mbps, 16-QAM) WLAN 8.12 ±9.6 % 10196 CAE IEEE 802.11n (HT Mixed, 6.5 Mbps, 84-QAM) WLAN 8.21 ±9.6 % 10197 AAE IEEE 802.11n (HT Mixed, 8.5 Mbps, 84-QAM) WLAN 8.13 ±9.6 % 10197 AAE IEEE 802.11n (HT Mixed, 8.5 Mbps, 16-QAM) WLAN 8.13 ±9.6 % 10198 CAF IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM) WLAN 8.27 ±9.6 % 10219 CAF IEEE 802.11n (HT Mixed, 72 Mbps, 16-QAM) WLAN 8.27 ±9.6 % 10220 CAF IEEE 802.11n (HT Mixed, 72 Mbps, 64-QAM) WLAN 8.13 ±9.6 % 10221 CAC IEEE 802.11n (HT Mixed, 72 Mbps, 64-QAM) WLAN 8.13 ±9.6 % 10222 CAC IEEE 802.11n (HT Mixed, 72 Mbps, 64-QAM) WLAN 8.27 ±9.6 % 10222 CAC IEEE 802.11n (HT Mixed, 72 Mbps, 64-QAM) WLAN 8.27 ±9.6 % 10222 CAC IEEE 802.11n (HT Mixed, 72 Mbps, 64-QAM) WLAN 8.06 ±9.6 % 10223 CAD IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM) WLAN 8.48 ±9.6 % 10223 CAD IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM) WLAN 8.48 ±9.6 % 10225 CAD ITET DD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM) ITET DD 10.26 ±9.6 % 10225 CAD ITET DD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM) ITET DD 10.26 ±9.6 % 10228 CAD ITET DD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM) ITET DD 10.26 ±9.6 % 10228 CAD ITET DD (SC-FDMA, 1 RB, 3 MHz, 64-QAM) ITET DD 10.25 ±9.6 % 10223 CAD ITET DD (SC-FDMA, 1 RB, 3 MHz, 64-QAM) ITET DD 10.25 ±9.6 % 10223 CAD ITET DD (SC-FDMA, 1 RB, 3 MHz, 64-QAM) ITET DD 10.25 ±9.6 % 10223 CAD ITET DD (SC-FDMA, 1 RB, 3 MHz, 64-QAM) ITET DD 10.25 ±9.6 % 10223 CAD ITET DD (SC-FDMA, 1 RB, 3 MHz, 64-QAM) ITET DD 10.25 ±9.6 % 10223 CAD ITET DD (SC-FDMA, 1 RB, 5 MHz, 64-QAM) ITET DD 10.25 ±9.6 % 10223 CAD ITET DD (SC-FDMA, 1 RB, 5 MHz, 64-QAM) ITET DD 9.21 ±9.6 % 10223 CAD ITET DD (SC-FDMA, 1 RB, 5 MHz, 64-QAM) ITET DD 9.21 ±9.6 % 10223 CAD ITET DD (SC-FDMA, 1 RB, 5 MHz, 64-QAM) ITET DD 9.21 ±9.6 % 10223 C	<u> </u>	CAE				
10196 CAE	1	AAD	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)			
10196 CAE IEEE 802.11n (HT Mixed, 53 Mbps, BPSK)	<u> </u>	CAE			 	
10197 AAE IEEE 802.11n (HT Mixed, 39 Mbps, 16-CAM)		CAE	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)			
10198	F	AAE	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)			
10219 CAF IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	L	CAF			-	
10220		CAF	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)			
10221 CAC LEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	10220	AAF	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)			
10222	10221	CAC				
10223	10222	CAC				
10224 CAD IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM) W/LAN 8.08 ±9.6% 10225 CAD UMTS-FDD (HSPA+) W/COMA 5.97 ±9.6% 10226 CAD LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM) LTE-TDD 9.49 ±9.6% 10227 CAD LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK) LTE-TDD 10.26 ±9.6% 10228 CAD LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK) LTE-TDD 9.22 ±9.6% 10229 DAC LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK) LTE-TDD 9.22 ±9.6% 10230 CAC LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM) LTE-TDD 9.48 ±9.6% 10231 CAC LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK) LTE-TDD 9.49 ±9.6% 10231 CAC LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK) LTE-TDD 9.49 ±9.6% 10232 CAC LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK) LTE-TDD 9.49 ±9.6% 10233 CAD LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK) LTE-TDD 9.48 ±9.6% 10234 CAD LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK) LTE-TDD 10.25 ±9.6% 10234 CAD LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK) LTE-TDD 10.25 ±9.6% 10236 CAD LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK) LTE-TDD 9.21 ±9.6% 10236 CAD LTE-TDD (SC-FDMA, 1 RB, 10 MHz, GPSK) LTE-TDD 9.21 ±9.6% 10236 CAD LTE-TDD (SC-FDMA, 1 RB, 10 MHz, GPSK) LTE-TDD 9.21 ±9.6% 10236 CAD LTE-TDD (SC-FDMA, 1 RB, 10 MHz, GPSK) LTE-TDD 9.48 ±9.6% 10238 CAD LTE-TDD (SC-FDMA, 1 RB, 10 MHz, GPSK) LTE-TDD 9.21 ±9.6% 10238 CAB LTE-TDD (SC-FDMA, 1 RB, 15 MHz, GPSK) LTE-TDD 9.21 ±9.6% 10234 CAD LTE-TDD (SC-FDMA, 1 RB, 15 MHz, GPSK) LTE-TDD 9.28 ±9.6% 10234 CAD LTE-TDD (SC-FDMA, 1 RB, 15 MHz, GPSK) LTE-TDD 9.28 ±9.6% 10244 CAD LTE-TDD (SC-FDMA, 1 RB, 15 MHz, GPSK) LTE-TDD 9.28 ±9.6% 10244 CAD LTE-TDD (SC-FDMA, 50% RB, 1 MHz, GPSK) LTE-TDD 9.26 ±9.6% 10244 CAD LTE-TDD (SC-FDMA, 50% RB, 1 MHz, GPSK) LTE-TDD 9.46 ±9.6% 10244 CAD LTE-TDD (SC-FDMA, 50% RB, 1 MHz, GPSK) LTE-TDD 9.29 ±9.6% 10244 CAG LTE-TDD (SC-FDMA, 50% RB, 1 MHz, GPSK) LTE-TDD 9.29 ±9.6% 102	10223	CAD				- <u></u>
10225 CAD	10224	CAD				
10226 CAD LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM) LTE-TDD 9.49 ±9.6 % 10228 CAD LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM) LTE-TDD 10.26 ±9.6 % 10229 DAC LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM) LTE-TDD 9.48 ±9.6 % 10230 CAC LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM) LTE-TDD 9.48 ±9.6 % 10231 CAC LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM) LTE-TDD 9.48 ±9.6 % 10231 CAC LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM) LTE-TDD 9.48 ±9.6 % 10232 CAD LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM) LTE-TDD 9.48 ±9.6 % 10233 CAD LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM) LTE-TDD 9.48 ±9.6 % 10233 CAD LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM) LTE-TDD 9.48 ±9.6 % 10234 CAD LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM) LTE-TDD 9.21 ±9.6 % 10235 CAD LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM) LTE-TDD 9.21 ±9.6 % 10236 CAD LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM) LTE-TDD 9.21 ±9.6 % 10236 CAD LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM) LTE-TDD 9.21 ±9.6 % 10238 CAB LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM) LTE-TDD 9.21 ±9.6 % 10238 CAB LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM) LTE-TDD 9.21 ±9.6 % 10239 CAB LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM) LTE-TDD 9.21 ±9.6 % 10234 CAB LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM) LTE-TDD 9.21 ±9.6 % 10240 CAB LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM) LTE-TDD 9.21 ±9.6 % 10241 CAB LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM) LTE-TDD 9.21 ±9.6 % 10242 CAB LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM) LTE-TDD 9.21 ±9.6 % 10244 CAB LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM) LTE-TDD 9.26 ±9.6 % 10244 CAB LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM) LTE-TDD 9.26 ±9.6 % 10245 CAG LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM) LTE-TDD 9.26 ±9.6 % 10245 CAG LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM) LTE-TDD 9.24 ±9.6 % 10245 CAG LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM) LTE-TDD 9.9	10225	CAD				
10227 CAD	10226	CAD	<u></u>			
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10250 CAG LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM) LTE-TDD 9.81 ± 9.6 % 10251 CAF LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM) LTE-TDD 10.17 ± 9.6 % 10252 CAF LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK) LTE-TDD 9.24 ± 9.6 % 10253 CAF LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM) LTE-TDD 9.90 ± 9.6 % 10254 CAB LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) LTE-TDD 10.14 ± 9.6 % 10255 CAB LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK) LTE-TDD 9.20 ± 9.6 % 10256 CAB LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM) LTE-TDD 9.96 ± 9.6 % 10257 CAD LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK) LTE-TDD 10.08 ± 9.6 % 10258 CAD LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK) LTE-TDD 9.34 ± 9.6 %				· · · · · · · · · · · · · · · · · · ·		
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10252 CAF LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK) LTE-TDD 9.24 ±9.6 % 10253 CAF LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM) LTE-TDD 9.90 ±9.6 % 10254 CAB LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) LTE-TDD 10.14 ±9.6 % 10255 CAB LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK) LTE-TDD 9.20 ±9.6 % 10256 CAB LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM) LTE-TDD 9.96 ±9.6 % 10257 CAD LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK) LTE-TDD 10.08 ±9.6 % 10258 CAD LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK) LTE-TDD 9.34 ±9.6 %						
10253 CAF LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM) LTE-TDD 9.24 ± 9.6 % 10254 CAB LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) LTE-TDD 10.14 ± 9.6 % 10255 CAB LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK) LTE-TDD 9.20 ± 9.6 % 10256 CAB LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM) LTE-TDD 9.96 ± 9.6 % 10257 CAD LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM) LTE-TDD 10.08 ± 9.6 % 10258 CAD LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK) LTE-TDD 9.34 ± 9.6 %						
10254 CAB LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) LTE-TDD 10.14 ± 9.6 % 10255 CAB LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK) LTE-TDD 9.20 ± 9.6 % 10256 CAB LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM) LTE-TDD 9.96 ± 9.6 % 10257 CAD LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM) LTE-TDD 10.08 ± 9.6 % 10258 CAD LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK) LTE-TDD 9.34 ± 9.6 %					 	
10255 CAB LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK) 10256 CAB LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM) 10257 CAD LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM) 10258 CAD LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK) 10259 CAD LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK) 10259 CAD LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK) 10259 CAD LTE-TDD (SC-FDMA, 100% RB, 2 MHz, QPSK) 10259 CAD LTE-TDD (SC-FDMA, 100% RB, 2 MHz, QPSK)						
10256 CAB LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM) LTE-TDD 9.96 ± 9.6 % 10257 CAD LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM) LTE-TDD 10.08 ± 9.6 % 10258 CAD LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK) LTE-TDD 9.34 ± 9.6 % 10259 CAD LTE-TDD (SC-FDMA, 100% RB, 2.4 MHz, QPSK)						
10257 CAD LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM) LTE-TDD 10.08 ± 9.6 % 10258 CAD LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK) LTE-TDD 9.34 ± 9.6 % 10259 CAD LTE-TDD (SC-FDMA, 100% RB, 2.4 MHz, QPSK) LTE-TDD 9.34 ± 9.6 %					 	
10258 CAD LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK) LTE-TDD 9.34 ± 9.6 %						± 9.6 %
10259 CAR LITETON (SC EDMA 100% PR 2 MILE 15 CANA)	!					
CAD LTE-TDD (SC-FDWA, 100% RB, 3 MHz, 16-QAM) LTE-TDD 9.98 ± 9.6 %						± 9.6 %
	.0203	CAD	ETE-TOD (SC-FDMA, 100% KB, 3 MHz, 16-QAM)	LTE-TDD	9.98	± 9.6 %

10260	040	LITE TOD (SC EDMA 4009/ DD CAMIL OF SAME			
10261	CAG	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-TDD	9.97	± 9.6 %
10262	CAG	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-TDD	9.24	± 9.6 %
	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	CAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-TDD	10.07	± 9.6 %
10267	CAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-TDD	9.30	± 9.6 %
10268	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-TDD	10.06	± 9.6 %
10269	CAB	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-TDD	10.13	± 9.6 %
10270	CAB	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-TDD	9.58	± 9.6 %
10274	CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	WCDMA	4.87	± 9.6 %
10275	CAD	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	WCDMA	3.96	± 9.6 %
10277	CAD	PHS (QPSK)	PHS	11.81	± 9.6 %
10278	CAD	PHS (QPSK, BW 884MHz, Rolloff 0.5)	PHS	11.81	
10279	CAG	PHS (QPSK, BW 884MHz, Rolloff 0.38)	PHS		± 9.6 %
10290	CAG	CDMA2000, RC1, SO55, Full Rate	CDMA2000	12.18	± 9.6 %
10291	CAG	CDMA2000, RC3, SO55, Full Rate		3.91	± 9.6 %
10292	CAG	CDMA2000, RC3, SO32, Full Rate	CDMA2000	3.46	± 9.6 %
10293	CAG	CDMA2000, RC3, SO3, Full Rate	CDMA2000	3.39	± 9.6 %
10295	CAG	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	CDMA2000	3.50	± 9.6 %
10297	CAG	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	CDMA2000	12.49	± 9.6 %
10298			LTE-FDD	5.81	±9.6 %
10299	CAF	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-FDD	5.72	± 9.6 %
10300	CAF	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-FDD	6.39	± 9.6 %
	CAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-FDD	6.60	±9.6%
10301	CAC	IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, QPSK, PUSC)	WiMAX	12.03	± 9.6 %
10302	CAB	IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3CTRL)	WiMAX	12.57	± 9.6 %
10303	CAB	IEEE 802.16e WIMAX (31:15, 5ms, 10MHz, 64QAM, PUSC)	WiMAX	12.52	± 9.6 %
10304	CAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, 64QAM, PUSC)	WiMAX	11.86	± 9.6 %
10305	CAA	IEEE 802.16e WiMAX (31:15, 10ms, 10MHz, 64QAM, PUSC)	WiMAX	15.24	± 9.6 %
10306	CAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 64QAM, PUSC)	WIMAX	14.67	±9.6%
10307	AAB	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, QPSK, PUSC)	WiMAX	14.49	± 9.6 %
10308	AAB	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)	WiMAX	14.46	± 9.6 %
10309	AAB	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM,AMC 2x3)	WiMAX	14.58	± 9.6 %
10310	AAB	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3	WiMAX	14.57	± 9.6 %
10311	AAB	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-FDD	6.06	± 9.6 %
10313	AAD	iDEN 1:3	iDEN	10.51	±9.6 %
10314	AAD	IDEN 1:6	iDEN	13.48	± 9.6 %
10315	AAD	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc dc)	WLAN	1.71	± 9.6 %
10316	AAD	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc dc)	WLAN		
10317	AAA	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc dc)	WLAN	8.36 8.36	±9.6%
10352	AAA	Pulse Waveform (200Hz, 10%)	Generic	***************************************	±9.6%
10353	AAA	Pulse Waveform (200Hz, 20%)	Generic	10.00	± 9.6 %
10354	AAA	Pulse Waveform (200Hz, 40%)	Generic	6.99	± 9.6 %
10355	AAA	Pulse Waveform (200Hz, 60%)		3.98	± 9.6 %
10356	AAA	Pulse Waveform (200Hz, 80%)	Generic	2.22	± 9.6 %
10387		QPSK Waveform, 1 MHz	Generic	0.97	± 9.6 %
10388	AAA	QPSK Waveform, 10 MHz	Generic	5.10	± 9.6 %
10386	AAA		Generic	5.22	± 9.6 %
10390	AAA	64-QAM Waveform, 100 kHz	Generic	6.27	± 9.6 %
	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	AAA	IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc dc)	WLAN	8.60	± 9.6 %
10402	AAA	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 10406	AAB AAD	CDMA2000 (1xEV-DO, Rev. A) CDMA2000, RC3, SO32, SCH0, Full Rate	CDMA2000	3.77	± 9.6 %

10410	AAA	LTE-TOD (SC EDMA 1 BB 10 ML) ODOK III O 1 0 0	J 2000	p	Dei 17, 202
10414	AAA	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Sub=2,3,4,7,8,9) WLAN CCDF, 64-QAM, 40MHz	LTE-TDD	7.82	± 9.6 %
10415	AAA		Generic	8.54	± 9.6 %
10416		IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc dc)	WLAN	1.54	± 9.6 %
10417	AAA	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc dc)	WLAN	8.23	± 9.6 %
10417	AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc dc)	WLAN	8.23	±9.6 %
10418	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Long)	WLAN	8.14	± 9.6 %
L	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Short)	WLAN	8.19	± 9.6 %
10422	AAA	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	WLAN	8.32	± 9.6 %
10423	AAA	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	WLAN	8.47	± 9.6 %
10424	AAE	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	WLAN	8.40	± 9.6 %
10425	AAE	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	WLAN	8.41	± 9.6 %
10426	AAE	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	WLAN	8.45	± 9.6 %
10427	AAB	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	WLAN	8.41	± 9.6 %
10430	AAB	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	LTE-FDD	8.28	± 9.6 %
10431	AAC	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	LTE-FDD	8.38	± 9.6 %
10432	AAB	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	LTE-FDD	8.34	± 9.6 %
10433	AAC	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	LTE-FDD	8.34	
10434	AAG	W-CDMA (BS Test Model 1, 64 DPCH)	WCDMA		± 9.6 %
10435	AAA	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub)	LTE-TDD	8.60	± 9.6 %
10447	AAA	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)		7.82	± 9.6 %
10448	AAA	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)	LTE-FDD	7.56	± 9.6 %
10449	AAC	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%)	LTE-FDD	7.53	± 9.6 %
10450		LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.51	± 9.6 %
10451	AAA	W CDMA (PS Toot Model 4, 64 DDC) Love (1997)	LTE-FDD	7.48	± 9.6 %
10453	AAA	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	WCDMA	7.59	± 9.6 %
10456	AAC	Validation (Square, 10ms, 1ms)	Test	10.00	± 9.6 %
	AAC	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc dc)	WLAN	8.63	± 9.6 %
10457	AAC	UMTS-FDD (DC-HSDPA)	WCDMA	6.62	± 9.6 %
10458	AAC	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	CDMA2000	6.55	± 9.6 %
10459	AAC	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	CDMA2000	8.25	± 9.6 %
10460	AAC	UMTS-FDD (WCDMA, AMR)	WCDMA	2.39	±9.6%
10461	AAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10462	AAÇ	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Sub)	LTE-TDD	8.30	± 9.6 %
10463	AAD	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Sub)	LTE-TDD	8.56	± 9.6 %
10464	AAD	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	
10467	AAA	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub)	LTE-TDD		±9.6 %
10468	AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Sub)		7.82	± 9.6 %
10469	AAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Sub)	LTE-TOD	8.32	±9.6%
10470	AAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Sub)	LTE-TDD	8.56	± 9.6 %
10471	AAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Sub)	LTE-TOD	7.82	±9.6%
10472	AAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Sub)	LTE-TDD	8.32	± 9.6 %
10473	AAA	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Sub)	LTE-TDD	8.57	± 9.6 %
10474			LTE-TDD	7.82	±9.6%
10474	AAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	± 9.6 %
10475	AAD	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	± 9.6 %
	AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	± 9.6 %
10478	AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	±9.6 %
10479	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Sub)	LTE-TDD	7.74	±9.6 %
10480	AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Sub)	LTE-TDD	8.18	± 9.6 %
10481	AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Sub)	LTE-TDD	8.45	± 9.6 %
10482	AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Sub)	LTE-TDD	7.71	± 9.6 %
10483	AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, Sub)	LTE-TDD	8.39	± 9.6 %
10484		LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Sub)	LTE-TDD	8.47	± 9.6 %
	AAB				
10485	AAB				
10485 10486		LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Sub)	LTE-TDD	7.59	± 9.6 %
	AAB				

1948 AAC LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-AM, UL Sub) LTE-TDD S.31 9.6 % 19	10488	1	LTC TOD (CO FOMA FOX DD 40)			
10490		AAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Sub)	LTE-TDD	7.70	± 9.6 %
10491 AAF		+		LTE-TDD	8.31	± 9.6 %
10492	L.			LTE-TDD	8.54	± 9.6 %
10493				LTE-TDD	7.74	±9.6 %
10494 AAF			LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Sub)	LTE-TDD	8.41	±9.6 %
10495 AAF		+	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Sub)	LTE-TDD	8.55	± 9.6 %
TOSSO AAE		AAF		LTE-TDD	7.74	±9.6 %
10497 AAE LIE-TDD (SC-FDMA, 100% RB, 14 MHz, GPSK, UL Sub) LIE-TDD 7.67 ±9.6 % 10498 AAE LIE-TDD (SC-FDMA, 100% RB, 14 MHz, GPSK, UL Sub) LIE-TDD 7.67 ±9.6 % 10498 AAE LIE-TDD (SC-FDMA, 100% RB, 14 MHz, GPSK, UL Sub) LIE-TDD 8.68 ±9.6 % 10550 AAF LIE-TDD (SC-FDMA, 100% RB, 14 MHz, GPSK, UL Sub) LIE-TDD 8.68 ±9.6 % 10550 AAF LIE-TDD (SC-FDMA, 100% RB, 3 MHz, GPSK, UL Sub) LIE-TDD 8.44 ±9.6 % 10550 AAF LIE-TDD (SC-FDMA, 100% RB, 3 MHz, GPSK, UL Sub) LIE-TDD 8.44 ±9.6 % 10550 AAF LIE-TDD (SC-FDMA, 100% RB, 3 MHz, GPSK, UL Sub) LIE-TDD 8.44 ±9.6 % 10550 AAF LIE-TDD (SC-FDMA, 100% RB, 3 MHz, GPSK, UL Sub) LIE-TDD 8.44 ±9.6 % 10550 AAB LIE-TDD (SC-FDMA, 100% RB, 5 MHz, GPSK, UL Sub) LIE-TDD 7.72 ±9.6 % 10550 AAB LIE-TDD (SC-FDMA, 100% RB, 5 MHz, GA-QAM, UL Sub) LIE-TDD 7.72 ±9.6 % 10550 AAC LIE-TDD (SC-FDMA, 100% RB, 5 MHz, G-QAM, UL Sub) LIE-TDD 8.31 ±9.6 % 10550 AAC LIE-TDD (SC-FDMA, 100% RB, 10 MHz, GPSK, UL Sub) LIE-TDD 7.74 ±9.6 % 10550 AAC LIE-TDD (SC-FDMA, 100% RB, 10 MHz, GPSK, UL Sub) LIE-TDD 7.74 ±9.6 % 10550 AAC LIE-TDD (SC-FDMA, 100% RB, 10 MHz, GPSK, UL Sub) LIE-TDD 7.74 ±9.6 % 10550 AAF LIE-TDD (SC-FDMA, 100% RB, 15 MHz, G-QAM, UL Sub) LIE-TDD 7.74 ±9.6 % 10550 AAF LIE-TDD (SC-FDMA, 100% RB, 15 MHz, G-QAM, UL Sub) LIE-TDD 7.74 ±9.6 % 10550 AAF LIE-TDD (SC-FDMA, 100% RB, 15 MHz, G-QAM, UL Sub) LIE-TDD 8.55 ±9.6 % 10551 AAF LIE-TDD (SC-FDMA, 100% RB, 15 MHz, G-QAM, UL Sub) LIE-TDD 8.51 ±9.6 % 10551 AAF LIE-TDD (SC-FDMA, 100% RB, 25 MHz, G-QAM, UL Sub) LIE-TDD 8.51 ±9.6 % 10551 AAF LIE-TDD (SC-FDMA, 100% RB, 25 MHz, G-QAM, UL Sub) LIE-TDD 8.51 ±9.6 % 10551 AAF LIE-TDD (SC-FDMA, 100% RB, 25 MHz, G-QAM, UL Sub) LIE-TDD 8.51 ±9.6 % 10551 AAF LIE-TDD (SC-FDMA, 100% RB, 25 MHz, G-QAM, UL Sub) LIE-TDD 8.51 ±9.6 % 10551 AAF LIE-TDD (SC-FDMA, 100% R		AAF		LTE-TDD	8.37	± 9.6 %
10498		AAE		LTE-TDD	8.54	
10499 AAE LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-OAM, UL Sub) LTE-TDD 8.40 4.96 % 10500 AAF LTE-TDD (SC-FDMA, 100% RB, 3.4 MHz, 46-OAM, UL Sub) LTE-TDD 8.68 4.96 % 10501 AAF LTE-TDD (SC-FDMA, 100% RB, 3.4 MHz, 46-OAM, UL Sub) LTE-TDD 8.44 4.96 %		AAE		LTE-TDD	7.67	
10590 AAC LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Sub) LTE-TDD R. 88 ± 9.6 % 10501 AAF LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Sub) LTE-TDD R. 84 ± 9.6 % 10503 AAF LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Sub) LTE-TDD R. 92 ± 9.6 % 10503 AAB LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Sub) LTE-TDD R. 92 ± 9.6 % 10503 AAB LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Sub) LTE-TDD R. 92 ± 9.6 % 10504 AAB LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Sub) LTE-TDD R. 92 ± 9.6 % 10504 AAB LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Sub) LTE-TDD R. 93 ± 9.6 % 10506 AAC LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Sub) LTE-TDD R. 93 ± 9.6 % 10507 AAC LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Sub) LTE-TDD R. 94 ± 9.6 % 10507 AAC LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Sub) LTE-TDD R. 94 ± 9.6 % 10509 AAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 46-QAM, UL Sub) LTE-TDD R. 95 ± 9.6 % 10509 AAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 46-QAM, UL Sub) LTE-TDD R. 95 ± 9.6 % 10509 AAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 46-QAM, UL Sub) LTE-TDD R. 95 ± 9.6 % 105010 AAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 6FSAM, UL Sub) LTE-TDD R. 95 ± 9.6 % 105010 AAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 6FSAM, UL Sub) LTE-TDD R. 95 ± 9.6 % 105010 AAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 6FSAM, UL Sub) LTE-TDD R. 95 ± 9.6 % 105010 AAF LTE-TDD (SC-FDMA, 100% RB, 25 MHz, 16-QAM, UL Sub) LTE-TDD R. 95 ± 9.6 % 105010 AAF LTE-TDD (SC-FDMA, 100% RB, 25 MHz, 16-QAM, UL Sub) LTE-TDD R. 95 ± 9.6 % 105010 AAF LTE-TDD (SC-FDMA, 100% RB, 25 MHz, 16-QAM, UL Sub) LTE-TDD R. 95 ± 9.6 % 105010 AAF LTE-TDD (SC-FDMA, 100% RB, 25 MHz, 16-QAM, UL Sub) LTE-TDD R. 96 % 105010 AAF LTE-TDD (SC-FDMA, 100% RB, 25 MHz, 16-QAM, UL Sub) LTE-TDD R. 96 % 105010 AAF LTE-TDD (SC-FDMA, 100% RB, 25 MHz, 16-QAM, UL Sub		AAE		LTE-TOD	8.40	
10500		AAC		LTE-TDD	8.68	
10501 AAF LTE-TDD (SC-FDMA, 100% RB, 3MHz, 16-CAM, UL Sub) LTE-TDD 8.44 ±9.6 % 10503 AAB LTE-TDD (SC-FDMA, 100% RB, 5MHz, GPSK, UL Sub) LTE-TDD 8.52 ±9.6 % 10504 AAB LTE-TDD (SC-FDMA, 100% RB, 5MHz, GPSK, UL Sub) LTE-TDD 8.51 ±9.6 % 10504 AAB LTE-TDD (SC-FDMA, 100% RB, 5MHz, 64-CAM, UL Sub) LTE-TDD 8.51 ±9.6 % 10506 AAC LTE-TDD (SC-FDMA, 100% RB, 5MHz, 64-CAM, UL Sub) LTE-TDD 8.54 ±9.6 % 10506 AAC LTE-TDD (SC-FDMA, 100% RB, 10 MHz, GPSK, UL Sub) LTE-TDD 8.54 ±9.6 % 10507 AAC LTE-TDD (SC-FDMA, 100% RB, 10 MHz, GPSK, UL Sub) LTE-TDD 8.36 ±9.6 % 10509 AAF LTE-TDD (SC-FDMA, 100% RB, 10 MHz, GPSK, UL Sub) LTE-TDD 8.36 ±9.6 % 10509 AAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, G4-CAM, UL Sub) LTE-TDD 8.36 ±9.6 % 10509 AAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, G4-CAM, UL Sub) LTE-TDD 7.99 ±9.6 % 10510 AAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, G4-CAM, UL Sub) LTE-TDD 8.49 ±9.6 % 10510 AAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, G4-CAM, UL Sub) LTE-TDD 8.49 ±9.6 % 10511 AAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, G4-CAM, UL Sub) LTE-TDD 8.49 ±9.6 % 10512 AAF LTE-TDD (SC-FDMA, 100% RB, 20 MHz, GPSK, UL Sub) LTE-TDD 8.49 ±9.6 % 10513 AAF LTE-TDD (SC-FDMA, 100% RB, 20 MHz, GPSK, UL Sub) LTE-TDD 7.74 ±9.6 % 10514 AAE LTE-TDD (SC-FDMA, 100% RB, 20 MHz, GPSK, UL Sub) LTE-TDD 7.74 ±9.6 % 10515 AAE LTE-TDD (SC-FDMA, 100% RB, 20 MHz, GPSK, UL Sub) LTE-TDD 8.45 ±9.6 % 10516 AAE LTE-TDD (SC-FDMA, 100% RB, 20 MHz, GPSK, UL Sub) LTE-TDD 8.45 ±9.6 % 10516 AAE LTE-TDD (SC-FDMA, 100% RB, 20 MHz, GPSK, UL Sub) LTE-TDD 8.45 ±9.6 % 10516 AAE LTE-TDD (SC-FDMA, 100% RB, 20 MHz, GPSK, UL Sub) LTE-TDD 8.45 ±9.6 % 10516 AAE LTE-TDD (SC-FDMA, 100% RB, 20 MHz, GPSK, UL Sub) LTE-TDD 8.45 ±9.6 % 10516 AAE LTE-TDD (SC-FDMA, 100% RB, 20 MHz, GPSK, UL Sub) LTE-TDD 8.45 ±9.6 % 10516 AAE LTE-TDD (SC-FDMA, 100%		AAF	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Sub)	LTE-TDD	7.67	
19502 AAB		AAF	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Sub)	LTE-TDD		
19503 AAB LTE-TDD (SC-FDMA, 100% RB, 5 MHz, L9SK, UL Sub) LTE-TDD 7.72 ±9.6 % 10505 AAC LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Sub) LTE-TDD 8.54 ±9.6 % 10506 AAC LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Sub) LTE-TDD 7.74 ±9.6 % 10506 AAC LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Sub) LTE-TDD 7.74 ±9.6 % 10507 AAC LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Sub) LTE-TDD 7.74 ±9.6 % 10508 AAC LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Sub) LTE-TDD 8.55 ±9.6 % 10509 AAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Sub) LTE-TDD 7.99 ±9.6 % 10509 AAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Sub) LTE-TDD 7.99 ±9.6 % 10510 AAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Sub) LTE-TDD 8.49 ±9.6 % 10511 AAF LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Sub) LTE-TDD 8.51 ±9.6 % 10512 AAF LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Sub) LTE-TDD 7.74 ±9.6 % 10513 AAF LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Sub) LTE-TDD 7.74 ±9.6 % 10514 AAE LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Sub) LTE-TDD 7.74 ±9.6 % 10515 AAE LEE 802.11b WIFI 2.4 GHz (DSSS, 2 Mbps, 99pc dc) WLAN 1.58 ±9.6 % 10516 AAE LEE 802.11b WIFI 2.4 GHz (DSSS, 5.5 Mbps, 99pc dc) WLAN 1.57 ±9.6 % 10516 AAE LEE 802.11b WIFI 2.4 GHz (DSSS, 5.5 Mbps, 99pc dc) WLAN 1.57 ±9.6 % 10519 AAF LEE 802.11ah WIFI 5 GHz (OFDM, 12 Mbps, 99pc dc) WLAN 1.57 ±9.6 % 10520 AAB LEEE 802.11ah WIFI 5 GHz (OFDM, 12 Mbps, 99pc dc) WLAN 1.58 ±9.6 % 10521 AAB LEEE 802.11ah WIFI 5 GHz (OFDM, 12 Mbps, 99pc dc) WLAN 8.39 ±9.6 % 10524 AAC LEEE 802.11ah WIFI 5 GHz (OFDM, 12 Mbps, 99pc dc) WLAN 8.45 ±9.6 % 10525 AAC LEEE 802.11ah WIFI 5 GHz (OFDM, 12 Mbps, 99pc dc) WLAN 8.45 ±9.6 % 10526 AAF LEEE 802.11ah WIFI 5 GHz (OFDM, 12 Mbps, 99pc dc) WLAN 8.45 ±9.6 % 10526 AAF LEEE 802.11ah WIFI 5 GHz		AAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Sub)	LTE-TDD		1
10504 AAB LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Sub) LTE-TDD 8.31 ±9.6 % 10506 AAC LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Sub) LTE-TDD 7.74 ±9.6 % 10507 AAC LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Sub) LTE-TDD 8.36 ±9.6 % 10507 AAC 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 8.36 ±9.6 % 10509 AAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 0-PSK, UL Sub) LTE-TDD 7.99 ±9.6 % 10510 AAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 0-PSK, UL Sub) LTE-TDD 8.49 ±9.6 % 10511 AAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 0-QAM, UL Sub) LTE-TDD 8.49 ±9.6 % 10512 AAF LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 0-QAM, UL Sub) LTE-TDD 8.49 ±9.6 % 10513 AAF LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 0-QAM, UL Sub) LTE-TDD 7.74 ±9.6 % 10513 AAF LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 0-QAM, UL Sub) LTE-TDD 8.42 ±9.6 % 10514 AAF LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 0-QAM, UL Sub) LTE-TDD 8.442 ±9.6 % 10515 AAE IEEE 802.11b WiFl 2.4 GHz (DSSS, 2 Mbps, 99pc dc) WLAN 1.58 ±9.6 % 10516 AAE IEEE 802.11b WiFl 2.4 GHz (DSSS, 5.5 Mbps, 99pc dc) WLAN 1.58 ±9.6 % 10516 AAE IEEE 802.11b WiFl 2.4 GHz (DSSS, 1.5 Mbps, 99pc dc) WLAN 1.57 ±9.6 % 10519 AAF IEEE 802.11a/h WiFl 5 GHz (OFDM, 12 Mbps, 99pc dc) WLAN 8.23 ±9.6 % 10520 AAB IEEE 802.11a/h WiFl 5 GHz (OFDM, 12 Mbps, 99pc dc) WLAN 8.23 ±9.6 % 10520 AAB IEEE 802.11a/h WiFl 5 GHz (OFDM, 14 Mbps, 99pc dc) WLAN 8.23 ±9.6 % 10520 AAB IEEE 802.11a/h WiFl 5 GHz (OFDM, 14 Mbps, 99pc dc) WLAN 8.24 ±9.6 % 10524 AAB IEEE 802.11a/h WiFl 5 GHz (OFDM, 14 Mbps, 99pc dc) WLAN 8.24 ±9.6 % 10524 AAB IEEE 802.11a/h WiFl 5 GHz (OFDM, 14 Mbps, 99pc dc) WLAN 8.24 ±9.6 % 10524 AAB IEEE 802.11a/h WiFl 5 GHz (OFDM, MCS) 99pc dc) WLAN 8.24 ±9.6 % 10524 AAB IEEE 802.11a/h WiFl 5 GHz		AAB		LTE-TDD		
10505	10504	AAB	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Sub)	LTE-TDD		+
10506		AAC		LTE-TDD		
10507 AAC LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Sub) LTE-TDD 8.36	10506	AAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Sub)			
10508	10507	AAC		LTE-TDD		
10509 AAF	10508	AAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Sub)			
10510 AAF	10509	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Sub)			
10511	10510	AAF				
10512	10511	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Sub)			
10513	10512	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Sub)			
10514 AAE LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Sub) LTE-TDD 8.45 ±9.6 % 10515 AAE IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc dc) WLAN 1.58 ±9.6 % 10516 AAE IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc dc) WLAN 1.57 ±9.6 % 10517 AAF IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc dc) WLAN 1.58 ±9.6 % 10518 AAF IEEE 802.11a WiFi 5 GHz (OFDM, 9 Mbps, 99pc dc) WLAN 8.23 ±9.6 % 10519 AAF IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc dc) WLAN 8.33 ±9.6 % 10520 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc dc) WLAN 8.12 ±9.6 % 10521 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc dc) WLAN 8.12 ±9.6 % 10522 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc dc) WLAN 8.15 ±9.6 % 10523 AAC IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc dc) WLAN 8.45 ±9.6 % 10524 AAC IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc dc) WLAN 8.45 ±9.6 % 10525 AAC IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc dc) WLAN 8.27 ±9.6 % 10525 AAC IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc dc) WLAN 8.27 ±9.6 % 10526 AAF IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc dc) WLAN 8.27 ±9.6 % 10526 AAF IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc dc) WLAN 8.36 ±9.6 % 10526 AAF IEEE 802.11ac WiFi (20MHz, MCS0, 99pc dc) WLAN 8.36 ±9.6 % 10528 AAF IEEE 802.11ac WiFi (20MHz, MCS0, 99pc dc) WLAN 8.36 ±9.6 % 10529 AAF IEEE 802.11ac WiFi (20MHz, MCS2, 99pc dc) WLAN 8.36 ±9.6 % 10529 AAF IEEE 802.11ac WiFi (20MHz, MCS3, 99pc dc) WLAN 8.36 ±9.6 % 10533 AAF IEEE 802.11ac WiFi (20MHz, MCS3, 99pc dc) WLAN 8.36 ±9.6 % 10534 AAF IEEE 802.11ac WiFi (20MHz, MCS3, 99pc dc) WLAN 8.36 ±9.6 % 10534 AAF IEEE 802.11ac WiFi (20MHz, MCS3, 99pc dc) WLAN 8.35 ±9.6 % 10534 AAF IEEE 802.11ac WiFi (40MHz, MCS3, 99pc dc) WLAN 8.45 ±9.6 % 10534 AAF IEEE 802.11ac WiFi (40MHz, MCS3	10513	AAF				
10516 AAE IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc dc) WLAN 1.58 ±9.6 % 10516 AAE IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc dc) WLAN 1.57 ±9.6 % 10517 AAF IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc dc) WLAN 1.58 ±9.6 % 10518 AAF IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc dc) WLAN 8.23 ±9.6 % 10519 AAF IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc dc) WLAN 8.39 ±9.6 % 10520 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc dc) WLAN 8.12 ±9.6 % 10521 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc dc) WLAN 8.12 ±9.6 % 10521 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc dc) WLAN 7.97 ±9.6 % 10523 AAC IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc dc) WLAN 8.45 ±9.6 % 10523 AAC IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc dc) WLAN 8.08 ±9.6 % 10524 AAC IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc dc) WLAN 8.27 ±9.6 % 10525 AAC IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc dc) WLAN 8.26 ±9.6 % 10526 AAF IEEE 802.11ac WiFi (20MHz, MCS0, 99pc dc) WLAN 8.36 ±9.6 % 10526 AAF IEEE 802.11ac WiFi (20MHz, MCS1, 99pc dc) WLAN 8.36 ±9.6 % 10528 AAF IEEE 802.11ac WiFi (20MHz, MCS3, 99pc dc) WLAN 8.36 ±9.6 % 10528 AAF IEEE 802.11ac WiFi (20MHz, MCS3, 99pc dc) WLAN 8.36 ±9.6 % 10529 AAF IEEE 802.11ac WiFi (20MHz, MCS4, 99pc dc) WLAN 8.36 ±9.6 % 10531 AAF IEEE 802.11ac WiFi (20MHz, MCS4, 99pc dc) WLAN 8.36 ±9.6 % 10533 AAE IEEE 802.11ac WiFi (20MHz, MCS4, 99pc dc) WLAN 8.36 ±9.6 % 10533 AAE IEEE 802.11ac WiFi (20MHz, MCS4, 99pc dc) WLAN 8.39 ±9.6 % 10534 AAF IEEE 802.11ac WiFi (40MHz, MCS4, 99pc dc) WLAN 8.39 ±9.6 % 10534 AAF IEEE 802.11ac WiFi (40MHz, MCS4, 99pc dc) WLAN 8.45 ±9.6 % 10534 AAF IEEE 802.11ac WiFi (40MHz, MCS4, 99pc dc) WLAN 8.45 ±9.6 % 10534 AAF IEEE 802.11ac WiFi (40MHz, MCS5, 99pc dc) WLAN 8.45 ±9	10514	AAE				
10516 AAE	10515	AAE				
10517	10516	AAE				
10518	10517					
10519	10518					
10520 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc dc) WLAN 8.12	10519	AAF				
10521 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc dc) WLAN 7.97 ±9.6 % 10522 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc dc) WLAN 8.45 ±9.6 % 10523 AAC IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc dc) WLAN 8.08 ±9.6 % 10524 AAC IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc dc) WLAN 8.27 ±9.6 % 10525 AAC IEEE 802.11ac WiFi (20MHz, MCS0, 99pc dc) WLAN 8.36 ±9.6 % 10526 AAF IEEE 802.11ac WiFi (20MHz, MCS1, 99pc dc) WLAN 8.42 ±9.6 % 10527 AAF IEEE 802.11ac WiFi (20MHz, MCS2, 99pc dc) WLAN 8.36 ±9.6 % 10528 AAF IEEE 802.11ac WiFi (20MHz, MCS3, 99pc dc) WLAN 8.36 ±9.6 % 10529 AAF IEEE 802.11ac WiFi (20MHz, MCS3, 99pc dc) WLAN 8.36 ±9.6 % 10531 AAF IEEE 802.11ac WiFi (20MHz, MCS4, 99pc dc) WLAN 8.36 ±9.6 % 10532 AAF IEEE 802.11ac WiFi (20MHz, MCS4, 99pc dc) WLAN 8.43 ±9.6 % 10533 AAE IEEE 802.11ac WiFi (20MHz, MCS7, 99pc dc) WLAN 8.36 ±9.6 % 10533 AAE IEEE 802.11ac WiFi (20MHz, MCS7, 99pc dc) WLAN 8.38 ±9.6 % 10534 AAE IEEE 802.11ac WiFi (40MHz, MCS0, 99pc dc) WLAN 8.45 ±9.6 % 10535 AAE IEEE 802.11ac WiFi (40MHz, MCS1, 99pc dc) WLAN 8.45 ±9.6 % 10536 AAF IEEE 802.11ac WiFi (40MHz, MCS1, 99pc dc) WLAN 8.45 ±9.6 % 10537 AAF IEEE 802.11ac WiFi (40MHz, MCS1, 99pc dc) WLAN 8.45 ±9.6 % 10538 AAF IEEE 802.11ac WiFi (40MHz, MCS1, 99pc dc) WLAN 8.45 ±9.6 % 10538 AAF IEEE 802.11ac WiFi (40MHz, MCS1, 99pc dc) WLAN 8.45 ±9.6 % 10540 AAA IEEE 802.11ac WiFi (40MHz, MCS1, 99pc dc) WLAN 8.46 ±9.6 % 10541 AAA IEEE 802.11ac WiFi (40MHz, MCS1, 99pc dc) WLAN 8.54 ±9.6 % 10542 AAA IEEE 802.11ac WiFi (40MHz, MCS1, 99pc dc) WLAN 8.65 ±9.6 % 10543 AAC IEEE 802.11ac WiFi (40MHz, MCS1, 99pc dc) WLAN 8.65 ±9.6 % 10544 AAC IEEE 802.11ac WiFi (40MHz, MCS1, 99pc dc) WLAN 8.65 ±9.6 % 10544 AAC IEEE 802.11ac WiFi (40MHz, MCS1, 99pc dc) WLAN	10520					
10522 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc dc) WLAN 8.45	10521					ļ
10523	10522					
10524 AAC IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc dc) WLAN 8.27	10523					
10525 AAC IEEE 802.11ac WiFi (20MHz, MCS0, 99pc dc) WLAN 8.36 ± 9.6 % 10526 AAF IEEE 802.11ac WiFi (20MHz, MCS1, 99pc dc) WLAN 8.42 ± 9.6 % 10527 AAF IEEE 802.11ac WiFi (20MHz, MCS2, 99pc dc) WLAN 8.21 ± 9.6 % 10528 AAF IEEE 802.11ac WiFi (20MHz, MCS3, 99pc dc) WLAN 8.36 ± 9.6 % 10529 AAF IEEE 802.11ac WiFi (20MHz, MCS4, 99pc dc) WLAN 8.36 ± 9.6 % 10531 AAF IEEE 802.11ac WiFi (20MHz, MCS6, 99pc dc) WLAN 8.43 ± 9.6 % 10532 AAF IEEE 802.11ac WiFi (20MHz, MCS7, 99pc dc) WLAN 8.29 ± 9.6 % 10533 AAE IEEE 802.11ac WiFi (40MHz, MCS8, 99pc dc) WLAN 8.38 ± 9.6 % 10534 AAE IEEE 802.11ac WiFi (40MHz, MCS0, 99pc dc) WLAN 8.45 ± 9.6 % 10535 AAE IEEE 802.11ac WiFi (40MHz, MCS2, 99pc dc) WLAN 8.45 ± 9.6 % 10536 AAF IEEE 802.11ac WiFi (40MHz, MCS4, 99pc dc) WLAN	10524					
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WLAN 8.55 ± 9.6 %	10070	AAU	TEEL OUZ. I TAC WIFT (OUMITZ, MICST, 99PC CC)	WLAN	8.55	± 9.6 %

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10547	AAC	IEEE 802.11ac WiFi (80MHz, MCS2, 99pc dc)	WLAN	8.35	± 9.6 %
10548	AAC	IEEE 802.11ac WiFi (80MHz, MCS3, 99pc dc)	WLAN	8.49	± 9.6 %
10548	AAC	IEEE 802.11ac WiFi (80MHz, MCS4, 99pc dc)	WLAN	8.37	± 9.6 %
10550	AAC	IEEE 802.11ac WiFi (80MHz, MCS6, 99pc dc)	WLAN	8.38	± 9.6 %
	AAC	IEEE 802.11ac WiFi (80MHz, MCS7, 99pc dc)	WLAN	8.50	± 9.6 %
10552	AAC	IEEE 802.11ac WiFi (80MHz, MCS8, 99pc dc)	WLAN	8.42	± 9.6 %
10553	AAC	IEEE 802.11ac WiFi (80MHz, MCS9, 99pc dc)	WLAN	8.45	± 9.6 %
10554	AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 99pc dc)	WLAN	8.48	± 9.6 %
10555	AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 99pc dc)	WLAN	8.47	± 9.6 %
10556	AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 99pc dc)	WLAN	8.50	± 9.6 %
10557	AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 99pc dc)	WLAN	8.52	± 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	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc dc)	WLAN	8.25	± 9.6 %
10565	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc dc)	WLAN	8.45	± 9.6 %
10566	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc dc)	WLAN	8.13	
10567	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc dc)	WLAN	8.00	± 9.6 %
10568	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc dc)	WLAN		± 9.6 %
10569	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc dc)	WLAN	8.37	± 9.6 %
10570	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc dc)	WLAN	8.10	± 9.6 %
10571	AAC	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc dc)	WLAN	8.30	± 9.6 %
10572	AAC	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc dc)	WLAN	1.99	± 9.6 %
10573	AAC	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc dc)	WLAN	1.99	± 9.6 %
10574	AAC	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc dc)	WLAN	1.98	± 9.6 %
10575	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc dc)	WLAN	1.98	± 9.6 %
10576	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc dc)	WLAN	8.59	±9.6 %
10577	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc dc)	WLAN	8.60	±9.6%
10578	AAD	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc dc)	WLAN	8.70	±9.6 %
10579	AAD	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc dc)	WLAN	8.49	±9.6 %
10580	AAD	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc dc)	WLAN	8.36	±9.6 %
10581	AAD	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc dc)	WLAN	8.76	± 9.6 %
10582	AAD	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc dc)		8.35	± 9.6 %
10583	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc dc)	WLAN	8.67	± 9.6 %
10584	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc dc)	WLAN	8.59	± 9.6 %
10585	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc dc)	WLAN	8.60	± 9.6 %
10586	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc dc)	WLAN	8.70	± 9.6 %
10587	AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc dc)	WLAN	8.49	± 9.6 %
10588	AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc dc)	WLAN	8.36	±9.6%
10589	AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc dc)	WLAN	8.76	± 9.6 %
10590	AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc dc)	WLAN	8.35	± 9.6 %
10591		IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc dc)	WLAN	8.67	± 9.6 %
10592	AAA		WLAN	8.63	± 9.6 %
10593	AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc dc)	WLAN	8.79	± 9.6 %
10594	AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc dc)	WLAN	8.64	± 9.6 %
10595	AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc dc)	WLAN	8.74	± 9.6 %
10595	AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc dc)	WLAN	8.74	±9.6%
10596	AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc dc)	WLAN	8.71	± 9.6 %
10597	AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc dc)	WLAN	8.72	± 9.6 %
	AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc dc)	WLAN	8.50	± 9.6 %
10599	AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc dc)	WLAN	8.79	± 9.6 %
10600	AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc dc)	WLAN	8.88	± 9.6 %
10601	AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc dc)	WLAN	8.82	±9.6 %
40000		1EEE 900 145 /UT Missel 400411 14000 00			/
10602 10603	AAA AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc dc) IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc dc)	WLAN	8.94	± 9.6 %

10604	1	IEEE 2002 dd a /UT Min al dollar a loo		-	
10604	AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc dc)	WLAN	8.76	± 9.6 %
	AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc dc)	WLAN	8.97	± 9.6 %
10606	AAC	IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc dc)	WLAN	8.82	± 9.6 %
10607	AAC	IEEE 802.11ac WiFi (20MHz, MCS0, 90pc dc)	WLAN	8.64	± 9.6 %
10608	AAC	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc dc)	WLAN	8.77	± 9.6 %
10609	AAC	IEEE 802.11ac WiFi (20MHz, MCS2, 90pc dc)	WLAN	8.57	± 9.6 %
10610	AAC	IEEE 802.11ac WiFi (20MHz, MCS3, 90pc dc)	WLAN	8.78	± 9.6 %
10611	AAC	IEEE 802.11ac WiFi (20MHz, MCS4, 90pc dc)	WLAN	8.70	± 9.6 %
10612	AAC	IEEE 802.11ac WiFi (20MHz, MCS5, 90pc dc)	WLAN	8.77	± 9.6 %
10613	AAC	IEEE 802.11ac WiFi (20MHz, MCS6, 90pc dc)	WLAN	8.94	± 9.6 %
10614	AAC	IEEE 802.11ac WiFi (20MHz, MCS7, 90pc dc)	WLAN	8.59	± 9.6 %
10615	AAC	IEEE 802.11ac WiFi (20MHz, MCS8, 90pc dc)	WLAN	8.82	± 9.6 %
10616	AAC	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc dc)	WLAN	8.82	± 9.6 %
10617	AAC	IEEE 802.11ac WiFi (40MHz, MCS1, 90pc dc)	WLAN	8.81	± 9.6 %
10618	AAC	IEEE 802.11ac WiFi (40MHz, MCS2, 90pc dc)	WLAN	8.58	± 9.6 %
10619	AAC	IEEE 802.11ac WiFi (40MHz, MCS3, 90pc dc)	WLAN	8.86	± 9.6 %
10620	AAC	IEEE 802.11ac WiFi (40MHz, MCS4, 90pc dc)	WLAN	8.87	± 9.6 %
10621	AAC	IEEE 802.11ac WiFi (40MHz, MCS5, 90pc dc)	WLAN		
10622	AAC	IEEE 802.11ac WiFi (40MHz, MCS6, 90pc dc)	WLAN	8.77	± 9.6 %
10623	AAC	IEEE 802.11ac WiFi (40MHz, MCS7, 90pc dc)	WLAN	8.68	± 9.6 %
10624	AAC	IEEE 802.11ac WiFi (40MHz, MCS8, 90pc dc)	WLAN	8.82	± 9.6 %
10625	AAC	IEEE 802.11ac WiFi (40MHz, MCS9, 90pc dc)		8.96	± 9.6 %
10626	AAC	IEEE 802.11ac WiFi (80MHz, MCS0, 90pc dc)	WLAN	8.96	± 9.6 %
10627		IEEE 802.11ac WiFi (80MHz, MCS1, 90pc dc)	WLAN	8.83	± 9.6 %
10628	AAC	IEEE 802.11ac WiFi (80MHz, MCS1, 90pc dc)	WLAN	8.88	± 9.6 %
10629	AAC		WLAN	8.71	±9.6%
10630	AAC	IEEE 802.11ac WiFi (80MHz, MCS3, 90pc dc)	WLAN	8.85	± 9.6 %
10631	AAC	IEEE 802.11ac WiFi (80MHz, MCS4, 90pc dc)	WLAN	8.72	±9.6%
10632	AAC	IEEE 802.11ac WiFi (80MHz, MCS5, 90pc dc)	WLAN	8.81	± 9.6 %
10632	AAC	IEEE 802.11ac WiFi (80MHz, MCS6, 90pc dc)	WLAN	8.74	±9.6%
10633	AAC	IEEE 802.11ac WiFi (80MHz, MCS7, 90pc dc)	WLAN	8.83	± 9.6 %
	AAC	IEEE 802.11ac WiFi (80MHz, MCS8, 90pc dc)	WLAN	8.80	± 9.6 %
10635	AAC	IEEE 802.11ac WiFi (80MHz, MCS9, 90pc dc)	WLAN	8.81	± 9.6 %
10636	AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 90pc dc)	WLAN	8.83	± 9.6 %
10637	AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 90pc dc)	WLAN	8.79	± 9.6 %
10638	AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 90pc dc)	WLAN	8.86	±9.6 %
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	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	AAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub=2,7)	LTE-TDD	11.96	± 9.6 %
10647	AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub=2,7)	LTE-TDD	11.96	± 9.6 %
10648	AAC	CDMA2000 (1x Advanced)	CDMA2000	3.45	± 9.6 %
10652	AAC	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.91	± 9.6 %
10653	AAC	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.42	± 9.6 %
10654	AAC	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.96	±9.6 %
10655	AAC	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.21	± 9.6 %
10658	AAC	Pulse Waveform (200Hz, 10%)	Test	10.00	
10659	AAC	Pulse Waveform (200Hz, 20%)	Test		±9.6%
10660	AAC	Pulse Waveform (200Hz, 40%)	Test	6.99	±9.6 %
10661	AAC	Pulse Waveform (200Hz, 60%)		3.98	± 9.6 %
10662	AAC	Pulse Waveform (200Hz, 80%)	Test	2.22	± 9.6 %
10670	AAC	Bluetooth Low Energy	Test	0.97	± 9.6 %
10671		IEEE 802.11ax (20MHz, MCS0, 90pc dc)	Bluetooth	2.19	± 9.6 %
100/1	AAD	TELE OUZ. I TAX (ZUMITZ, MOSU, SUPE CC)	WLAN	9.09	± 9.6 %

40070					
10672	AAD	IEEE 802.11ax (20MHz, MCS1, 90pc dc)	WLAN	8.57	± 9.6 %
10673	AAD	IEEE 802.11ax (20MHz, MCS2, 90pc dc)	WLAN	8.78	± 9.6 %
10674	AAD	IEEE 802.11ax (20MHz, MCS3, 90pc dc)	WLAN	8.74	± 9.6 %
10675	AAD	IEEE 802.11ax (20MHz, MCS4, 90pc dc)	WLAN	8.90	± 9.6 %
10676	AAD	IEEE 802.11ax (20MHz, MCS5, 90pc dc)	WLAN	8.77	± 9.6 %
10677	AAD	IEEE 802.11ax (20MHz, MCS6, 90pc dc)	WLAN	8.73	± 9.6 %
10678	AAD	IEEE 802.11ax (20MHz, MCS7, 90pc dc)	WLAN	8.78	± 9.6 %
10679	AAD	IEEE 802.11ax (20MHz, MCS8, 90pc dc)	WLAN	8.89	± 9.6 %
10680	AAD	IEEE 802.11ax (20MHz, MCS9, 90pc dc)	WLAN	8.80	± 9.6 %
10681	AAG	IEEE 802.11ax (20MHz, MCS10, 90pc dc)	WLAN	8.62	-
10682	AAF	IEEE 802.11ax (20MHz, MCS11, 90pc dc)	WLAN	8.83	± 9.6 %
10683	AAA	IEEE 802.11ax (20MHz, MCS0, 99pc dc)	WLAN	8.42	± 9.6 %
10684	AAC	IEEE 802.11ax (20MHz, MCS1, 99pc dc)	WLAN		± 9.6 %
10685	AAC	IEEE 802.11ax (20MHz, MCS2, 99pc dc)	WLAN	8.26	± 9.6 %
10686	AAC	IEEE 802.11ax (20MHz, MCS3, 99pc dc)	WLAN	8.33	± 9.6 %
10687	AAE	IEEE 802.11ax (20MHz, MCS4, 99pc dc)		8.28	± 9.6 %
10688	AAE	IEEE 802.11ax (20MHz, MCS5, 99pc dc)	WLAN	8.45	± 9.6 %
10689	AAD	IEEE 802.11ax (20MHz, MCS6, 99pc dc)	WLAN	8.29	± 9.6 %
10690		IEEE 802.11ax (20MHz, MCS7, 99pc dc)	WLAN	8.55	± 9.6 %
10691	AAE	IEEE 802.11ax (20MHz, MCS7, 99pc dc)	WLAN	8.29	± 9.6 %
10692	AAB		WLAN	8.25	±9.6 %
10693	AAA	IEEE 802.11ax (20MHz, MCS9, 99pc dc)	WLAN	8.29	± 9.6 %
10694	AAA	IEEE 802.11ax (20MHz, MCS10, 99pc dc)	WLAN	8.25	± 9.6 %
	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	AAC	IEEE 802.11ax (40MHz, MCS11, 90pc dc)	WLAN	8.66	± 9.6 %
10707	AAC	IEEE 802.11ax (40MHz, MCS0, 99pc dc)	WLAN	8.32	± 9.6 %
10708	AAC	IEEE 802.11ax (40MHz, MCS1, 99pc dc)	WLAN	8.55	± 9.6 %
10709	AAC	IEEE 802.11ax (40MHz, MCS2, 99pc dc)	WLAN	8.33	± 9.6 %
10710	AAC	IEEE 802.11ax (40MHz, MCS3, 99pc dc)	WLAN	8.29	± 9.6 %
10711	AAC	IEEE 802.11ax (40MHz, MCS4, 99pc dc)	WLAN	8.39	± 9.6 %
10712	AAC	IEEE 802.11ax (40MHz, MCS5, 99pc dc)	WLAN	8.67	
10713	AAC	IEEE 802.11ax (40MHz, MCS6, 99pc dc)	WLAN		± 9.6 %
10714	AAC	IEEE 802.11ax (40MHz, MCS7, 99pc dc)	WLAN	8.33	± 9.6 %
10715	AAC	IEEE 802.11ax (40MHz, MCS8, 99pc dc)	WLAN	8.26	± 9.6 %
10716	AAC	IEEE 802.11ax (40MHz, MCS9, 99pc dc)		8.45	± 9.6 %
10717		IEEE 802.11ax (40MHz, MCS10, 99pc dc)	WLAN	8.30	± 9.6 %
10718	AAC	IEEE 802.11ax (40MHz, MCS10, 99pc dc)	WLAN	8.48	± 9.6 %
10719	AAC	IEEE 802.11ax (40MHz, MCS011, 99pc dc)	WLAN	8.24	± 9.6 %
10719	AAC		WLAN	8.81	± 9.6 %
10720	AAC	IEEE 802.11ax (80MHz, MCS1, 90pc dc)	WLAN	8.87	± 9.6 %
	AAC	IEEE 802.11ax (80MHz, MCS2, 90pc dc)	WLAN	8.76	± 9.6 %
10722	AAC	IEEE 802.11ax (80MHz, MCS3, 90pc dc)	WLAN	8.55	± 9.6 %
10723	AAC	IEEE 802.11ax (80MHz, MCS4, 90pc dc)	WLAN	8.70	± 9.6 %
10724	AAC	IEEE 802.11ax (80MHz, MCS5, 90pc dc)	WLAN	8.90	±9.6 %
10725	AAC	IEEE 802.11ax (80MHz, MCS6, 90pc dc)	WLAN	8.74	±9.6%
10726	AAC	IEEE 802.11ax (80MHz, MCS7, 90pc dc)	WLAN	8.72	± 9.6 %
10727	AAC	IEEE 802.11ax (80MHz, MCS8, 90pc dc)	WLAN	8.66	± 9.6 %

10729 AAC IEEE 802.11ax (80MHz, MCS10, 90pc dc) WLAN 10730 AAC IEEE 802.11ax (80MHz, MCS11, 90pc dc) WLAN 10731 AAC IEEE 802.11ax (80MHz, MCS0, 99pc dc) WLAN 10732 AAC IEEE 802.11ax (80MHz, MCS1, 99pc dc) WLAN	8.65 8.64	±9.6%
10730 AAC IEEE 802.11ax (80MHz, MCS11, 90pc dc) WLAN 10731 AAC IEEE 802.11ax (80MHz, MCS0, 99pc dc) WLAN 10732 AAC IEEE 802.11ax (80MHz, MCS1, 99pc dc) WLAN		40 C D/
10731 AAC IEEE 802.11ax (80MHz, MCS0, 99pc dc) WLAN 10732 AAC IEEE 802.11ax (80MHz, MCS1, 99pc dc) WLAN WLAN		± 9.6 %
10731 AAC IEEE 802.11ax (80MHz, MCS0, 99pc dc) WLAN 10732 AAC IEEE 802.11ax (80MHz, MCS1, 99pc dc) WLAN	8.67	± 9.6 %
10/32 AAC IEEE 802.11ax (80MHz, MCS1, 99pc dc) WLAN	8.42	± 9.6 %
10722	8.46	± 9.6 %
WLAN	8.40	± 9.6 %
10/34 AAC IEEE 802.11ax (80MHz, MCS3, 99pc dc) WLAN	8.25	± 9.6 %
10/35 AAC IEEE 802.11ax (80MHz, MCS4, 99pc dc) WLAN	8.33	± 9.6 %
10/36 AAC IEEE 802.11ax (80MHz, MCS5, 99pc dc) WLAN	8.27	± 9.6 %
10737 AAC IEEE 802.11ax (80MHz, MCS6, 99pc dc) WLAN	8.36	± 9.6 %
10/38 AAC IEEE 802.11ax (80MHz, MCS7, 99pc dc) WLAN	8.42	± 9.6 %
10739 AAC IEEE 802.11ax (80MHz, MCS8, 99pc dc) WLAN	8.29	± 9.6 %
10740 AAC IEEE 802.11ax (80MHz, MCS9, 99pc dc) WLAN	8.48	± 9.6 %
10741 AAC IEEE 802.11ax (80MHz, MCS10, 99pc dc) WLAN	8.40	± 9.6 %
10742 AAC IEEE 802.11ax (80MHz, MCS11, 99pc dc) WI AN	8.43	± 9.6 %
10743 AAC IEEE 802.11ax (160MHz, MCS0, 90pc dc) WLAN	8.94	± 9.6 %
10744 AAC IEEE 802.11ax (160MHz, MCS1, 90pc dc) WLAN	9.16	± 9.6 %
10745 AAC IEEE 802.11ax (160MHz, MCS2, 90pc dc) WLAN	8.93	± 9.6 %
10746 AAA IEEE 803 110v (160MI) - MOCO 00 - 1	9.11	± 9.6 %
10747 AAC IEEE 802 11av (160MH- MCC4 00 - 1)	9.04	± 9.6 %
10748 AAC IEEE 902 11av (160MHz MCCE 90-14)	8.93	
10749 AAC JEEE 802 11cv (160MHz MOCC 00	8.90	±9.6%
10750 AAC JEEE 802 11ay (160MHz MCSZ 00no do)		±9.6%
10751 AAC IEEE 803 11cv (160MHz MCSS 001)	8.79	± 9.6 %
10752 AAC JEEE 802 1107 (160MHz MCCO 00-2 45)	8.82	±9.6%
10753 AAO JEEE 802 110v (160MHz MOC40 00 - 1)	8.81	±9.6%
10754 AAC IEEE 802 1132 (160MHz MCS11 0020 da)	9.00	±9.6 %
10755 AAC JEEE 802 1107 (160MHz MOCO 000-11)	8.94	± 9.6 %
10756 AAC JEEE 802 11av (160MHz, MCS1, 20no da)	8.64	± 9.6 %
10757 AAC JEEE 802 1127 (160MHz, MCS2, 00cc dc)	8.77	±9.6 %
10758 AAC JEEE 802 11ey (160MHz MCS2 00cc do)	3.77	± 9.6 %
10759 AAC IFFE 802 11ay (160MHz MCS4 90ac do)	3.69	± 9.6 %
10760 AAO JEEE 802 110v (16084Hz 3400F 00 Hz)	3.58	±9.6 %
10761 AAO JEEE 802 110V (160MHz, MOCC 00	3.49	± 9.6 %
10762 AAC JEEF 802 112x (160MHz MCCZ 0000 do)	3.58	± 9.6 %
10763 AAO JEEE 903 1107 (16004) - AACCO 00 - ()	3.49	± 9.6 %
10764 AAO JEEE 902 1107 (160MJ- MOCO 00- 1)	3.53	± 9.6 %
10765 AAC JEEE 803 1107 (JEONNIA MOCAD DOLLAR)	3.54	± 9.6 %
10766 AAO JEEE 902 1107 (160MHz MOC) (160MHz MOC)	3.54	± 9.6 %
10767 AND 56 NP (CR OFFIN 1 RP 5 MILE OFFICE (S. M.)	3.51	± 9.6 %
10768 AAO 56 NP (CP OFF)M 1 PP 40 MM - OPP (CF OFF)M	7.99	± 9.6 %
10769 AND SCINE (CR OFFINIA DR 45 MILE CROSS COLUMN	3.01	± 9.6 %
ACTION SOLECTION 8	3.01	± 9.6 %
10771 AND SG NP (CP OFFIN 4 PP OF MILE OFFICE AND ADDRESS OF MILE OFFICE AN	3.02	± 9.6 %
10772 AAO 56 NP (CP OFDM 1 DP 20 MH C OP)(15 ML)	3.02	± 9.6 %
10773 AAO SC ND CO OFFINIA DD 40 MH DD 20 MH DD 30 MK M 100 D	3.23	± 9.6 %
10774 AND SCINE COLORDA A DE FOMUL OF ONLY OF ONLY	3.03	± 9.6 %
10775 AAO 5G NP (CP OFDM 509/ PP 5 ML OPO) (CP OFDM 509/ PP 5 ML OPO)	3.02	± 9.6 %
10776 AND SCAP (CD OFFINE 50% PD 40 ML) CDOWN STAND	3.31	± 9.6 %
JOHN PRI IDD 8	3.30	± 9.6 %
10778 ALC SC NE (CE OFFIN SON ED COME)	3.30	± 9.6 %
10779 AAO 5C NR (CR OEDM 50% DR OEM) C CROOK 15 NL CRO	.34	± 9.6 %
10780 AAO 5G NR (CR OFDM 500 RR 20 ML) CROCK FELL	.42	± 9.6 %
10791 ALC FC ND (CD OFFIN 500 CD 40 MIL) CON (10 MIL)	.38	± 9.6 %
10792 SOME (SOME OF SOME OF SO	.38	± 9.6 %
10792 SOND (OD ODD)	.43	±9.6 %
10783 AAC 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8,	.31	± 9.6 %

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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	± 9.6 %
10790	AAC	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	± 9.6 %
10791	AAC	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	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 FR1 TDD	7.95	± 9.6 %
10794	AAC	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	± 9.6 %
10795	AAC	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.84	***************************************
10796	AAC	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	± 9.6 %
10797	AAC	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD		± 9.6 %
10798	AAC	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.01	± 9.6 %
10799	AAC	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	± 9.6 %
10801	AAC	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	± 9.6 %
10802	AAC	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)		7.89	± 9.6 %
10803	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.87	± 9.6 %
10805	AAD	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	± 9.6 %
10806	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10809	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 KHz)	5G NR FR1 TDD	8.37	± 9.6 %
10810		5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10812	AAD		5G NR FR1 TDD	8.34	±9.6%
10817	AAD	5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10818	AAD	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10819	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10820	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.33	± 9.6 %
10820	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.30	± 9.6 %
10821	AAC	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10823	AAC	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.36	± 9.6 %
10824	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.39	±9.6%
10825	AAD	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10827	AAD	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.42	± 9.6 %
10828	AAE	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.43	± 9.6 %
10829	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.40	± 9.6 %
10830	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.63	± 9.6 %
10831	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.73	±9.6 %
10832	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.74	± 9.6 %
10833	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	± 9.6 %
10834	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.75	± 9.6 %
10835	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	± 9.6 %
10836	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.66	± 9.6 %
10837	AAD	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.68	± 9.6 %
10839	AAD	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	± 9.6 %
10840	AAD	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.67	± 9.6 %
10841	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.71	
10843	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.49	± 9.6 %
10844	AAD	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10846	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD		± 9.6 %
10854	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10855	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10856	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)		8.36	± 9.6 %
10857	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10858	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10859	AAD	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	± 9.6 %
	, , ,	(0. 0, 100 /0 (10, 40 MILE, QEON, 00 KHZ)	5G NR FR1 TDD	8.34	± 9.6 %

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10860	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10861	AAD	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.40	± 9.6 %
10863	AAD	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10864	AAE	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10865	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10866	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6 %
10868	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.89	± 9.6 %
10869	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	± 9.6 %
10870	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.86	± 9.6 %
10871	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	5.75	± 9.6 %
10872	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.52	± 9.6 %
10873	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	± 9.6 %
10874	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	± 9.6 %
10875	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	
10876	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD		± 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, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	7.95	±9.6%
10879	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)		8.41	± 9.6 %
10880	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.12	±9.6%
10881	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	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	5.75	± 9.6 %
10883			5G NR FR2 TDD	5.96	± 9.6 %
10884	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, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.53	± 9.6 %
10886	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	± 9.6 %
	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	AAD	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.66	± 9.6 %
10898	AAD	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	± 9.6 %
10899	AAD	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	± 9.6 %
10900	AAD	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10901	AAD	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10902	AAD	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10903	AAD	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6 %
10904	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10905	AAD	5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10906	AAD	5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6 %
10907	AAD	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.78	
10908	AAD	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD		± 9.6 %
10909	AAD	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	± 9.6 %
10910	AAD	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)		5.96	± 9.6 %
10911	AAD	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	± 9.6 %
10912	AAD	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	± 9.6 %
10913	AAD	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)		5.84	± 9.6 %
10914	AAD	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10915	AAD	5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.85	± 9.6 %
10916		5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 KHz)	5G NR FR1 TDD	5.83	± 9.6 %
10917	AAD		5G NR FR1 TDD	5.87	± 9.6 %
10917	AAD	5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 KHz)	5G NR FR1 TDD	5.94	± 9.6 %
10918	AAD	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	± 9.6 %
	AAD	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	± 9.6 %
10920	AAD	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	± 9.6 %
10921	AAD	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %

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10922	AAD	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.82	± 9.6 %
10923	AAD	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10924	AAD	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10925	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.95	± 9.6 %
10926	AAD	5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10927	AAD	5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	± 9.6 %
10928	AAD	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	±9.6%
10929	AAD	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10930	AAD	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	±9.6 %
10931	AAD	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10932	AAB	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6%
10933	AAA	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6%
10934	AAA	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10935	AAA	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10936	AAC	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	± 9.6 %
10937	AAB	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.77	± 9.6 %
10938	AAB	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	± 9.6 %
10939	AAB	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.82	± 9.6 %
10940	AAB	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.89	± 9.6 %
10941	AAB	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	± 9.6 %
10942	AAB	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	± 9.6 %
10943	AAB	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.95	± 9.6 %
10944	AAB	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.81	± 9.6 %
10945	AAB	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	± 9.6 %
10946	AAC	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	± 9.6 %
10947	AAB	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	± 9.6 %
10948	AAB	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	± 9.6 %
10949	AAB	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	± 9.6 %
10950	AAB	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	± 9.6 %
10951	AAB	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.92	± 9.6 %
10952	AAB	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.25	± 9.6 %
10953	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.15	± 9.6 %
10954	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.23	± 9.6 %
10955	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.42	± 9.6 %
10956	AAB	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.14	± 9.6 %
10957	AAC	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.31	±9.6 %
10958	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.61	± 9.6 %
10959	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.33	±9.6 %
10960	AAB	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.32	± 9.6 %
10961	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.36	± 9.6 %
10962	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.40	± 9.6 %
10963	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.55	± 9.6 %
10964	AAB	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.29	± 9.6 %
10965	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.37	± 9.6 %
10966	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.55	± 9.6 %
10967	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.42	± 9.6 %
10968	AAB	5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.49	± 9.6 %
10972	AAB	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	11.59	± 9.6 %
10973	AAB	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	9.06	± 9.6 %
10974	AAB	5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz)	5G NR FR1 TDD	10.28	± 9.6 %

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

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Accreditation No.: SCS 0108

Certificate No: D6.5GHzV2-1007_Sep20

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Client

BNN-SPEAG Laboratory

CALIBRATION CERTIFICATE	

Object D6.5GHzV2 - SN:1007

Calibration procedure(s) QA CAL-22.v5

Calibration Procedure for SAR Validation Sources between 3-10 GHz

Calibration date: September 09, 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	01-Apr-20 (No. 217-03100/03101)	Apr-21
Power sensor NRP-Z91	SN: 103244	01-Apr-20 (No. 217-03100)	Apr-21
Power sensor NRP-Z91	SN: 103245	01-Apr-20 (No. 217-03101)	Apr-21
Reference 20 dB Attenuator	SN: BH9394 (20k)	31-Mar-20 (No. 217-03106)	Apr-21
Type-N mismatch combination	SN: 310982 / 06327	31-Mar-20 (No. 217-03104)	Apr-21
Reference Probe EX3DV4	SN: 7405	29-Jun-20 (No. EX3-7405_Jun20)	Jun-21
DAE4	SN: 908	14-Aug-20 (No. DAE4-908_Aug20)	Aug-21
Secondary Standards	ID#	Check Date (in house)	Scheduled Check
Power sensor R&S NRP33T	SN: 100967	17-Oct-16 (in house check Dec-18)	In house check: Dec-21
RF generator Anapico APSIN20G	SN: 669	28-Mar-17 (in house check Dec-18)	In house check: Dec-21
Network Analyzer R&S ZVL13	SN: 101093	10-May-12 (in house check Dec-18)	In house check: Dec-21
	Name	Function	Signature
Calibrated by:	Jeton Kastrati	Laboratory Technician	Z W
Approved by:	Katja Pokovic	Technical Manager	MG

Issued: September 14, 2020

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Glossary:

TSL

N/A

tissue simulating liquid

ConvF

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

Calibration is Performed According to the Following Standards:

a) IEC/IEEE 62209-1528 ED1, "Measurement procedure for the assessment of specific absorption rate of human exposure to radio frequency fields from hand-held and body-worn wireless communication devices - Part 1528: Human models, instrumentation and procedures (Frequency range of 4 MHz to 10 GHz)", draft 2019

Additional Documentation:

b) DASY6 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.
- SAR measured: SAR measured at the stated antenna input power.
- SAR normalized: SAR as measured, normalized to an input power of 1 W at the antenna connector.
- SAR for nominal TSL parameters: The measured TSL parameters are used to calculate the nominal SAR result.

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

Certificate No: D6.5GHzV2-1007_Sep20

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Measurement Conditions

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

DASY Version	DASY6	V6.14
Extrapolation	Advanced Extrapolation	
Phantom	Modular Flat Phantom	
Distance Dipole Center - TSL	5 mm	with Spacer
Zoom Scan Resolution	dx, $dy = 3.4$ mm, $dz = 1.4$ mm	Graded Ratio = 1.4 (Z direction)
Frequency	6500 MHz ± 1 MHz	

Head TSL parameters

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	34.5	6.07 mho/m
Measured Head TSL parameters	(22.0 ± 0.2) °C	33.9 ± 6 %	6.16 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	100 mW input power	29.1 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	290 W/kg ± 24.7 % (k=2)

SAR averaged over 10 cm ³ (10 g) of Head TSL	condition	
SAR measured	100 mW input power	5.34 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	53.2 W/kg ± 24.4 % (k=2)

Appendix

Antenna Parameters with Head TSL

Impedance, transformed to feed point	48.4 Ω - 4.3 jΩ
Return Loss	- 26.6 dB

General Antenna Parameters and Design

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

The dipole is made of standard 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
L	

DASY6 Validation Report for Head TSL

Measurement Report for D6.5GHz-1007, UID 0 -, Channel 6500 (6500.0MHz)

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	IMEI	DUT Type
D6.5GHz	16.0 x 6.0 x 300.0	SN: 1007	

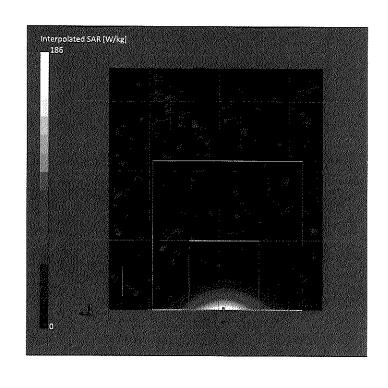
Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Cond. [S/m]	TSL Permittivity
Flat, HSL	5.00	Band	CW,	6500	5.75	6.16	33.9

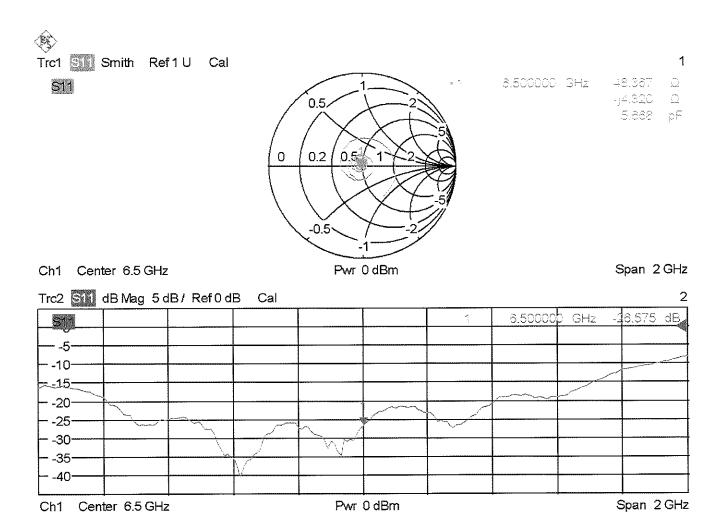
Hardware Setup

Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
MFP V8.0 Center - 1182	HBBL600-10000V6	EX3DV4 - SN7405, 2020-06-29	DAE4 Sn908, 2020-08-14

Scan Setup		Measurement Results	
	Zoom Scan		Zoom Scan
Grid Extents [mm]	22.0 x 22.0 x 22.0	Date	2020-09-09, 15:12
Grid Steps [mm]	3.4 x 3.4 x 1.4	psSAR1g [W/Kg]	29.1
Sensor Surface [mm]	1.4	psSAR10g [W/Kg]	5.34
Graded Grid	Yes	Power Drift [dB]	-0.01
Grading Ratio	1.4	Power Scaling	Disabled
MAIA	N/A	Scaling Factor [dB]	
Surface Detection	VMS + 6p	TSL Correction	Enabled
Scan Method	Measured	M2/M1 [%]	49.1
		Dist 3dB Peak [mm]	4.8



Impedance Measurement Plot for Head TSL



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Client

PC Test

Certificate No: EUmmWV3-9414_Mar20

CALIBRATION CERTIFICATE

Object

EUmmWV3 - SN:9414

Calibration procedure(s)

QA CAL-02.v9, QA CAL-25.v7, QA CAL-42.v2

Calibration procedure for E-field probes optimized for close near field

evaluations in air

Calibration date:

March 17, 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)	Арг-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
Reference Probe ER3DV6	SN: 2328	05-Oct-19 (No. ER3-2328_Oct19)	Oct-20
DAE4	SN: 789	27-Dec-19 (No. DAE4-789_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 HP 8753E	SN: US37390585	18-Oct-01 (in house check Oct-19)	In house check: Oct-20

Calibrated by:

Name
Function
Signature
Laboratory Technician

Approved by:

Katja Pokovic
Technical Manager

Issued: March 19, 2020

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Certificate No: EUmmWV3-9414_Mar20

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Glossary:

NORMx,y,z sensitivity in free space DCP diode compression point

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

Polarization φ rotation around probe axis

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

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

Connector Angle information used in DASY system to align probe sensor X to the robot coordinate system sensor Angles sensor deviation from the probe axis, used to calculate the field orientation and polarization

k is the wave propagation direction

Calibration is Performed According to the Following Standards:

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

Methods Applied and Interpretation of Parameters:

- NORMx,y,z: Assessed for E-field polarization θ = 0 for XY sensors and θ = 90 for Z sensor (f ≤ 900 MHz in TEM-cell; f > 1800 MHz: R22 waveguide). For frequencies > 6 GHz, the far field in front of waveguide horn antennas is measured for a set of frequencies in various waveguide bands up to 110 GHz.
- DCPx,y,z: DCP are numerical linearization parameters assessed based on the data of power sweep with CW signal (no uncertainty required). DCP does not depend on frequency nor media.
- PAR: PAR is the Peak to Average Ratio that is not calibrated but determined based on the signal characteristics
- The frequency sensor model parameters are determined prior to calibration based on a frequency sweep (sensor model involving resistors R, R_p, inductance L and capacitors C, C_p).
- Ax,y,z; Bx,y,z; Cx,y,z; Dx,y,z; VRx,y,z: A, B, C, D are numerical linearization parameters assessed based on the data of power sweep for specific modulation signal. The parameters do not depend on frequency nor media. VR is the maximum calibration range expressed in RMS voltage across the diode.
- Sensor Offset: The sensor offset corresponds to the mechanical from the probe tip (on probe axis). No
 tolerance required.
- Connector Angle: The angle is assessed using the information gained by determining the NORMx (no uncertainty required).
- Equivalent Sensor Angle: The two probe sensors are mounted in the same plane at different angles. The angles are assessed using the information gained by determining the NORMx (no uncertainty required).
- Spherical isotropy (3D deviation from isotropy): in a locally homogeneous field realized using an open waveguide / horn setup.

Certificate No: EUmmWV3-9414_Mar20

DASY - Parameters of Probe: EUmmWV3 - SN:9414

Basic Calibration Parameters

	Sensor X	Sensor Y	Unc (k=2)	
Norm $(\mu V/(V/m)^2)$	0.02284	0.02607	± 10.1 %	
DCP (mV) ^B	115.0	103.0		
Equivalent Sensor Angle	-61.3	33.8		

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

calibration results for Frequency Response (750 MHz – 110 GHz)					
Frequency GHz	Target E-Field V/m	Deviation Sensor X dB	Deviation Sensor Y dB	Unc (k=2) dB	
0.75	77.2	0.04	0.02	± 0.43 dB	
1.8	140.4	0.10	0.11	± 0.43 dB	
2	133.0	0.05	0.08	± 0.43 dB	
2.2	124.8	0.05	0.04	± 0.43 dB	
2.5	123.0	-0.09	-0.09	± 0.43 dB	
3.5	256.2	0.06	-0.09	± 0.43 dB	
3.7	249.8	0.14	-0.06	± 0.43 dB	
6.6	41.8	0.11	0.47	± 0.98 dB	
8	48.4	-0.21	-0.25	± 0.98 dB	
10	54.4	0.12	0.04	± 0.98 dB	
15	71.5	-0.71	-0.57	± 0.98 dB	
18	85.3	-0.17	0.11	± 0.98 dB	
26.6	96.9	0.21	0.40		
30	92.6	0.21	0.12	± 0.98 dB	
35	93.7	-0.27	0.08	± 0.98 dB	
40	91.5	-0.50	-0.16	± 0.98 dB	
	<u> </u>	-0.30	-0.53	± 0.98 dB	
50	19.6	-0.29	-0.15	± 0.98 dB	
55	22.4	0.70	0.43	± 0.98 dB	
60	23.0	0.12	0.03	± 0.98 dB	
65	27.4	-0.52	-0.12	± 0.98 dB	
70	23.9	-0.30	-0.22	± 0.98 dB	
75	20.0	0.01	-0.01	± 0.98 dB	
75	14.8	0.01	0.00	± 0.98 dB	
80	22.5	0.22	0.32	± 0.98 dB	
85	22.8	0.07	0.00	± 0.98 dB	
90	23.8	-0.02	0.04	± 0.98 dB	
92	23.9	0.16	-0.09	± 0.98 dB	
95	20.5	-0.08	-0.14	± 0.98 dB	
97	24.4	0.04	-0.12	± 0.98 dB	
100	22.6	0.11	-0.04	± 0.98 dB	
105	22.7	-0.13	0.01	± 0.98 dB	
110	19.7	0.06	0.16	± 0.98 dB	

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

^B Numerical linearization parameter: uncertainty not required.

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

DASY - Parameters of Probe: EUmmWV3 - SN:9414

Calibration Results for Modulation Response

UID	Communication System Name		Α	В	С	D	VR	Max	Max
		1	dB	dΒ√μV		dB	mV	dev.	Unc
				'					(k=2)
0	CW	X	0.00	0.00	1.00	0.00	132.4	± 3.8 %	±4.7 %
		Υ	0.00	0.00	1.00	1	65.4		
10352-	Pulse Waveform (200Hz, 10%)	X	2.44	60.00	13.58	10.00	6.0	± 1.4 %	±9.6 %
AAA		Y	3.48	60.00	13.61]	6.0	1	
10353-	Pulse Waveform (200Hz, 20%)	X	1.61	60.00	12.49	6.99	12.0	± 1.2 %	± 9.6 %
AAA	Í	Y	2.13	60,00	12.79		12.0	1	= 0.0 ,0
10354-	Pulse Waveform (200Hz, 40%)	Х	0.92	60.00	11.26	3.98	23.0	± 1.4 %	± 9.6 %
AAA		Y	1.17	60.00	11.79		23.0		_ = 0.0 ,0
10355-	Pulse Waveform (200Hz, 60%)	X	0.53	60.00	10.46	2.22	27.0	± 1.1 %	± 9.6 %
AAA		Y	0.80	60.00	10.78		27.0	/	0.0 ,0
10387-	QPSK Waveform, 1 MHz	Х	1.04	60.00	11.64	1.00	22.0	± 1.7 %	± 9.6 %
AAA		Υ	1.14	60.00	11.18		22.0	1 ,	_ 0.0 %
10388-	QPSK Waveform, 10 MHz	Х	1,21	60.00	11.75	0.00	22.0	± 1.0 %	± 9.6 %
AAA		Y	1.47	60.00	11.54		22.0	1	_ 0.0 %
10396-	64-QAM Waveform, 100 kHz	X	2.58	62.80	14.62	3.01	17.0	± 1.4 %	± 9.6 %
AAA	, i	Y	2.40	60.00	13.29		17.0], /0	_ 0.0 ,0
10399-	64-QAM Waveform, 40 MHz	X	2.03	60.00	12,27	0.00	19.0	± 1.3 %	± 9.6 %
AAA	<u>'</u>	Y	2.29	60.00	12.24		19.0	_ /.0 /0	0.0 /0
10414-	WLAN CCDF, 64-QAM, 40MHz	X	3.12	60.00	12.72	0.00	12.0	± 1.0 %	± 9.6 %
AAA		Ŷ	3.41	60.00	12.68	0.00	12.0	1.0 /6	1 2.0 /6

Note: For details on all calibrated UID parameters see Appendix

Calibration Results for Linearity Response

Frequency GHz	Target E-Field V/m	Deviation Sensor X dB	Deviation Sensor Y dB	Unc (k=2) dB
0.9	50.0	-0.14	0.15	± 0.2 dB
0.9	100.0	-0.11	0.12	± 0.2 dB
0.9	500.0	0.01	0.03	± 0.2 dB
0.9	1000.0	0.02	0.05	± 0.2 dB
0.9	1500.0	-0.01	0.05	± 0.2 dB
0.9	2000.0	-0.01	0.01	± 0.2 dB

Sensor Frequency Model Parameters (750 MHz - 78 GHz)

	Sensor X	Sensor Y
R (Ω)	37.48	44.75
$R_{p}(\Omega)$	96.45	90.73
L (nH)	0.03546	0.03967
C (pF)	0.1952	0.2420
C _p (pF)	0.1322	0.1132

Sensor Frequency Model Parameters (55 GHz - 110 GHz)

	Sensor X	Sensor Y
R (Ω)	26.21	31.01
$R_{p}(\Omega)$	99.93	96.52
L (nH)	0.03945	0.03587
C (pF)	0.1233	0.1595
C _p (pF)	0.1395	0.1302

DASY - Parameters of Probe: EUmmWV3 - SN:9414

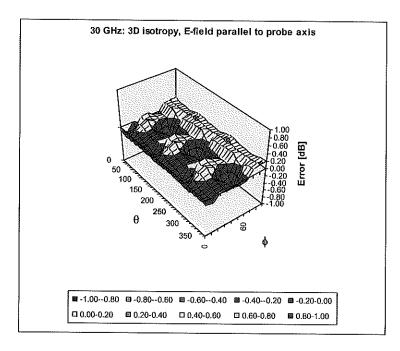
Sensor Model Parameters

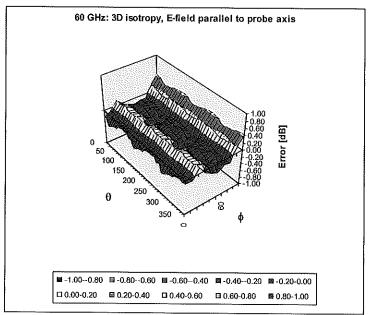
	C1 fF	C2 fF	α V ⁻¹	T1 ms.V ⁻²	T2 ms.V ⁻¹	T3 ms	T4 V ⁻²	T5 V⁻¹	T6
X	40.7	290.94	32.74	0.92	4.95	4.97	0.00	1.52	1.01
Y	31.3	235.35	35.86	0.92	6.06	4.99	2.00	2.00	1.00

Other Probe Parameters

Sensor Arrangement	Rectangular
Connector Angle (°)	-79.6
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	320 mm
Probe Body Diameter	8 mm
Tip Length	23 mm
Tip Diameter	8.0 mm
Probe Tip to Sensor X Calibration Point	1.5 mm
Probe Tip to Sensor Y Calibration Point	1.5 mm

Deviation from Isotropy in Air f = 30, 60 GHz





Probe isotropy for E_{tot}: probe rotated ϕ = 0° to 360°, tilted from field propagation direction \overline{k} Parallel to the field propagation (ψ =0° - 90°) at 30 GHz: deviation within ± 0.31 dB Parallel to the field propagation (ψ =0° - 90°) at 60 GHz: deviation within ± 0.40 dB

EUmmWV3 - SN: 9414 March 17, 2020

Appendix: Modulation Calibration Parameters

19011 CAA ARR Validation (Square, 100ms, 10ms)	UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E (k=2)
10011 CAB IEEE 802.11b WIFE 24 GHz (DSSS, 1 Mbps)	0		CW		0.00	± 4.7 %
19012 CAB IEEE 802.11g WiFi 2.4 GHz (DSSS - GPDM, 6 Mbps)						± 9.6 %
10021 OAB IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 6 Mbps)						± 9.6 %
10021 DAC GSM-FDD (TDMA, GMSK, TN 0) GSM 9,39 2,96 10024 DAC GPRS-FDD (TDMA, GMSK, TN 0) GSM 9,57 2,96 10025 DAC GPRS-FDD (TDMA, GMSK, TN 0-1) GSM 12,62 2,96 10026 DAC EDGE-FDD (TDMA, BPSK, TN 0) GSM 12,62 2,96 10027 DAC GPRS-FDD (TDMA, BPSK, TN 0-1) GSM 3,55 2,96 10028 DAC GPRS-FDD (TDMA, GMSK, TN 0-1-2) GSM 4,80 2,96 10029 DAC GPRS-FDD (TDMA, GMSK, TN 0-1-2) GSM 4,80 2,96 10029 DAC GPRS-FDD (TDMA, GMSK, TN 0-1-2) GSM 3,55 2,96 10029 DAC GPRS-FDD (TDMA, GMSK, TN 0-1-2) GSM 7,78 2,96 10020 DAC GPRS-FDD (TDMA, GMSK, TN 0-1-2) GSM 7,78 2,96 10030 CAA IEEE 802.15.1 Bluebooth (GFSK, DH1) Bluebooth 1,87 2,96 10031 CAA IEEE 802.15.1 Bluebooth (GFSK, DH3) Bluebooth 1,87 2,96 10032 CAA IEEE 802.15.1 Bluebooth (GFSK, DH3) Bluebooth 1,87 2,96 10033 CAA IEEE 802.15.1 Bluebooth (PIH-DOPSK, DH3) Bluebooth 4,53 2,96 10034 CAA IEEE 802.15.1 Bluebooth (PIH-DOPSK, DH3) Bluebooth 4,53 2,96 10035 CAA IEEE 802.15.1 Bluebooth (PIH-DOPSK, DH3) Bluebooth 4,53 2,96 10036 CAA IEEE 802.15.1 Bluebooth (B-DPSK, DH3) Bluebooth 4,53 2,96 10037 CAA IEEE 802.15.1 Bluebooth (B-DPSK, DH3) Bluebooth 4,53 2,96 10038 CAA IEEE 802.15.1 Bluebooth (B-DPSK, DH3) Bluebooth 4,57 2,96 10039 CAB COMA2000 (1)RTT, RC1) COMA2000 4,57 2,96 10039 CAB COMA2000 (1)RTT, RC1) COMA2000 4,57 2,96 10040 CAB S-94/IS-136 FDD (TDMA/FDM, PIH-DOPSK, Halfrate) AMPS 7,78 2,96 10041 CAB S-94/IS-136 FDD (TDMA/FDM, PIH-DOPSK, Halfrate) AMPS 7,78 2,96 10042 CAB IS-54/IS-136 FDD (TDMA/FDM, PIH-DOPSK, Halfrate) AMPS 7,78 2,96 10043 CAA IEEE 802.1136 WIFF CHDMA/FDM, PIH-DOPSK, Halfrate) AMPS 7,78 2,96 10044 CAB S-94/IS-136 FDD (TDMA/FDM, PIH-DOPSK, Halfrate) AMPS 7,78 2,96 10045 CAB IEEE 802.1136 WIFF CHDMA/FDM, P						± 9.6 %
19023 DAC GPRS-FDD (TDMA, GMSK, TN 0) GSM 658 9.6 6 19024 DAC GPRS-FDD (TDMA, GMSK, TN 0-1) GSM 6.58 9.6 6 19026 DAC GPRS-FDD (TDMA, BPSK, TN 0-1) GSM 9.55 2.9.6 19026 DAC EDGE-FDD (TDMA, BPSK, TN 0-1) GSM 9.55 2.9.6 19027 DAC GPRS-FDD (TDMA, BPSK, TN 0-1-2) GSM 9.55 2.9.6 19027 DAC GPRS-FDD (TDMA, GMSK, TN 0-1-2) GSM 3.55 2.9.6 19028 DAC GPRS-FDD (TDMA, GMSK, TN 0-1-2-3) GSM 3.55 2.9.6 19028 DAC GPRS-FDD (TDMA, GMSK, TN 0-1-2-3) GSM 3.55 2.9.6 19028 DAC GPRS-FDD (TDMA, GMSK, TN 0-1-2-3) GSM 3.55 2.9.6 19028 DAC GPRS-FDD (TDMA, GMSK, TN 0-1-2-3) GSM 3.55 2.9.6 19028 DAC GPRS-FDD (TDMA, GMSK, TN 0-1-2-3) GSM 3.55 2.9.6 19028 DAC GPRS-FDD (TDMA, GMSK, TN 0-1-2-3) GSM 3.55 2.9.6 19029 DAC GPRS-FDD (TDMA, GMSK, TN 0-1-2-3) GSM 3.55 2.9.6 19029 DAC GPRS-FDD (TDMA, GMSK, TN 0-1-2-3) GSM 3.55 2.9.6 19029 DAC GPRS-FDD (TDMA, GMSK, TN 0-1-2-3) GSM 3.55 2.9.6 19029 DAC GPRS-FDD (TDMA, GMSK, TN 0-1-2-3) GSM 3.55 2.9.6 19029 DAC GPRS-FDD (TDMA, GMSK, TN 0-1-2-3) GSM 3.55 2.9.6 19029 DAC GPRS-FDD (TDMA, GMSK, TN 0-1-2-3) GSM 3.55 2.9.6 19029 DAC GPRS-FDD (TDMA, GMSK, CMS) Bluetooth 5.30 2.9.6 19023 CAA IEEE 802.15.1 Bluetooth (GFSK, DHS) Bluetooth 4.16 2.9.6 19023 CAA IEEE 802.15.1 Bluetooth (GFSK, DHS) Bluetooth 4.53 2.9.6 19023 CAA IEEE 802.15.1 Bluetooth (9-PSK, DHS) Bluetooth 4.01 2.9.6 19023 CAA IEEE 802.15.1 Bluetooth (8-DPSK, DHS) Bluetooth 4.01 2.9.6 19023 CAA IEEE 802.15.1 Bluetooth (8-DPSK, DHS) Bluetooth 4.01 2.9.6 19023 CAA IEEE 802.15.1 Bluetooth (8-DPSK, DHS) Bluetooth 4.01 2.9.6 19024 CAA IS-916/IATIN-ASS PDD (FDMA, FM) GMSK, DUBNS GMSK						± 9.6 %
10024 DAC GPRS-FDD (TDMA, GMSK, TN 0-1) GSM 6.56 4.9.6 10026 DAC EDGE-FDD (TDMA, BPSK, TN 0-1) GSM 9.55 4.9.6 10028 DAC EDGE-FDD (TDMA, BPSK, TN 0-1) GSM 9.55 4.9.6 10027 DAC GPRS-FDD (TDMA, GMSK, TN 0-1-2) GSM 4.80 4.9.6 10028 DAC GPRS-FDD (TDMA, GMSK, TN 0-1-2) GSM 4.80 4.9.6 10029 DAC GPRS-FDD (TDMA, GMSK, TN 0-1-2) GSM 7.78 4.9.6 10029 DAC GPRS-FDD (TDMA, GMSK, TN 0-1-2) GSM 7.78 4.9.6 10030 CAA IEEE 802.15.1 Bluetooth (GFSK, DH1) Bluetooth 1.97 4.9.6 10031 CAA IEEE 802.15.1 Bluetooth (GFSK, DH3) Bluetooth 1.97 4.9.6 10031 CAA IEEE 802.15.1 Bluetooth (GFSK, DH3) Bluetooth 1.97 4.9.6 10033 CAA IEEE 802.15.1 Bluetooth (FPL4-DQPSK, DH3) Bluetooth 7.74 4.9.6 10033 CAA IEEE 802.15.1 Bluetooth (PPL4-DQPSK, DH3) Bluetooth 7.74 4.9.6 10034 CAA IEEE 802.15.1 Bluetooth (PPL4-DQPSK, DH3) Bluetooth 3.83 4.9.6 10035 CAA IEEE 802.15.1 Bluetooth (PPL4-DQPSK, DH3) Bluetooth 3.83 4.9.6 10036 CAA IEEE 802.15.1 Bluetooth (PPL4-DQPSK, DH3) Bluetooth 3.83 4.9.6 10036 CAA IEEE 802.15.1 Bluetooth (PPSK, DH3) Bluetooth 3.83 4.9.6 10039 CAA IEEE 802.15.1 Bluetooth (PPSK, DH3) Bluetooth 3.83 4.9.6 10039 CAA IEEE 802.15.1 Bluetooth (PPSK, DH3) Bluetooth 3.83 4.9.6 10038 CAA IEEE 802.15.1 Bluetooth 4.0058						± 9.6 %
10026 DAC EDGE-FDD (TDMA, BPSK, TN 0-1) GSM 12.62 4.9.6 10027 DAC EDGE-FDD (TDMA, GBSK, TN 0-1-1) GSM 9.55 4.9.6 10028 DAC GPRS-FDD (TDMA, GBSK, TN 0-1-2) GSM 4.80 4.9.6 10028 DAC GPRS-FDD (TDMA, GBSK, TN 0-1-2) GSM 4.80 4.9.6 10028 DAC GPRS-FDD (TDMA, GBSK, TN 0-1-2) GSM 3.55 4.9.6 10029 DAC EDGE-FDD (TDMA, GBSK, TN 0-1-2) GSM 7.78 4.9.6 10030 CAA IEEE 602.15.1 Bluetooth (GFSK, DH1) Bluetooth 5.30 4.9.6 10031 CAA IEEE 602.15.1 Bluetooth (GFSK, DH3) Bluetooth 1.67 4.9.6 10031 CAA IEEE 602.15.1 Bluetooth (GFSK, DH3) Bluetooth 1.67 4.9.6 10033 CAA IEEE 602.15.1 Bluetooth (PI4-DOPSK, DH3) Bluetooth 1.67 4.9.6 10034 CAA IEEE 602.15.1 Bluetooth (PI4-DOPSK, DH3) Bluetooth 4.53 4.9.6 10036 CAA IEEE 602.15.1 Bluetooth (PI4-DOPSK, DH3) Bluetooth 4.53 4.9.6 10036 CAA IEEE 602.15.1 Bluetooth (PI4-DOPSK, DH5) Bluetooth 4.53 4.9.6 10036 CAA IEEE 602.15.1 Bluetooth (B-PSK, DH5) Bluetooth 4.57 4.9.6 10037 CAA IEEE 602.15.1 Bluetooth 4.9.6 10039 CAB IEEE 602.15 Bluetooth 4.9.6 10039 CAB IEEE 602.15 Bluetooth 4.9.6 10039 CAB IEEE 602.15 Bluetooth 4.9.6 10039 CAB IEEE 602.15 Bluetooth 4.9.6 10039 CAB IEEE 602.15 Bluetooth 4.9.6 10039 CAB IEEE 602.15 Bluetooth 4.9.6 10039 CAB IEEE 602.15 Bluetooth 4.9.6 10039 CAB IEEE 602.15 Bluetooth 4.9.6 10039 CAB IEEE 602.15 Bluetooth 4.9.6 10039 CAB IEEE						± 9.6 %
10028 DAC EDGE-FDD (TDMA, GPSK, TN 0-1) GSM						
10027 DAC GPRS-FDD (TDMA, GMSK, TN 0-1-2) GSM 4.80 4.96 10028 DAC GPRS-FDD (TDMA, GMSK, TN 0-1-2-3) GSM 3.55 4.96 10029 DAC EDGE-FDD (TDMA, GMSK, TN 0-1-2-3) GSM 7.78 4.96 10030 CAA EEEE 602.15.1 Bluetooth (GFSK, DH1) Bluetooth 5.30 4.96 10031 CAA IEEE 602.15.1 Bluetooth (GFSK, DH1) Bluetooth 1.87 4.96 10032 CAA IEEE 602.15.1 Bluetooth (GFSK, DH3) Bluetooth 1.67 4.96 10033 CAA IEEE 602.15.1 Bluetooth (GFSK, DH4) Bluetooth 1.67 4.96 10033 CAA IEEE 602.15.1 Bluetooth (PI4-DOPSK, DH3) Bluetooth 4.53 4.96 10034 CAA IEEE 602.15.1 Bluetooth (PI4-DOPSK, DH3) Bluetooth 4.53 4.96 10034 CAA IEEE 602.15.1 Bluetooth (PI4-DOPSK, DH3) Bluetooth 4.53 4.96 10036 CAA IEEE 602.15.1 Bluetooth (B-PDSK, DH5) Bluetooth 4.53 4.96 10036 CAA IEEE 602.15.1 Bluetooth 6.PDSK, DH5) Bluetooth 4.51 4.96 10036 CAA IEEE 602.15.1 Bluetooth 6.PDSK, DH3) Bluetooth 4.17 4.96 10037 CAA IEEE 602.15.1 Bluetooth 6.PDSK, DH3) Bluetooth 4.17 4.96 10038 CAA IEEE 602.15.1 Bluetooth 6.PDSK, DH3) Bluetooth 4.17 4.96 10038 CAA IEEE 602.15.1 Bluetooth 6.PDSK, DH3) Bluetooth 4.17 4.96 10039 CAA IEEE 602.15.1 Bluetooth 6.PDSK, DH3) Bluetooth 4.17 4.96 10039 CAA IEEE 602.15.1 Bluetooth 6.PDSK, DH5) Bluetooth 4.10 4.96 10039 CAA IEEE 602.15.1 Bluetooth 6.PDSK, DH5) Bluetooth 4.10 4.96 10039 CAA IEEE 602.15.1 Bluetooth 6.PDSK, DH5) Bluetooth 4.10 4.96 10039 CAA IEEE 602.15.1 Bluetooth 6.PDSK, DH5) Bluetooth 4.10 4.96 10039 CAA IEEE 602.15.1 Bluetooth 6.PDSK, DH5) Bluetooth 4.10 4.96 10039 CAA IEEE 602.15.1 Bluetooth 6.PDSK, DH5) Bluetooth 4.10 4.96 10039 CAA IEEE 602.15.1 Bluetooth 6.PDSK, DH5) Bluetooth 4.10 4.96 10039 CAA IEEE 602.1 Bluetooth 6.PDSK, DH5) Bluetooth 4.10 4.96 10039 CAA IEEE 602.1 Bluetooth 6.PDSK, DH5 6.PDSK, DH5						
10028 DAC GPRS-FDD (TDMA, GMSK, TN 0-1-2) GSM 3.55 ±9.6 10029 DAC EDGE-FDD (TDMA, SPK, 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 1.16 ±9.6 10032 CAA IEEE 802.15.1 Bluetooth (GFSK, DH3) Bluetooth 1.16 ±9.6 10033 CAA IEEE 802.15.1 Bluetooth (GFSK, DH3) Bluetooth 1.16 ±9.6 10034 CAA IEEE 802.15.1 Bluetooth (FIP4-DDFSK, DH3) Bluetooth 4.53 ±9.6 10034 CAA IEEE 802.15.1 Bluetooth (FIP4-DDFSK, DH3) Bluetooth 4.53 ±9.6 10035 CAA IEEE 802.15.1 Bluetooth (FIP4-DDFSK, DH3) Bluetooth 4.53 ±9.6 10036 CAA IEEE 802.15.1 Bluetooth (FIP4-DDFSK, DH3) Bluetooth 8.01 ±9.6 10036 CAA IEEE 802.15.1 Bluetooth (FIP4-DDFSK, DH3) Bluetooth 8.01 ±9.6 10038 CAA IEEE 802.15.1 Bluetooth (FIP4-DDFSK, DH3) Bluetooth 8.01 ±9.6 10038 CAA IEEE 802.15.1 Bluetooth (FIP4-DDFSK, DH3) Bluetooth 4.77 ±9.6 10038 CAA IEEE 802.15.1 Bluetooth (FIP4-DDFSK, DH5) Bluetooth 4.77 ±9.6 10039 CAB CDMA2000 (TARTT, RCT) CDMA2000 TARTT, RCT) CDMA2000 T						
10029 DAC EDGE-FDD (TDMA, 8PSK, TN 0-1-2) GSM			GPRS-FDD (TDMA_GMSK_TN 0-1-2.3)			
10030			EDGE-EDD (TDMA 8PSK TN 0-1-2)			
10031 CAA IEEE 802 15.1 Bluetooth (GFSK, DH3) Bluetooth 1.87 ± 9.6				···		
10032		—				
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 (PI/4-DQPSK, DH5) Bluetooth 3.83 ±9.6 10037 CAA IEEE 802.15.1 Bluetooth (B-DPSK, DH1) Bluetooth 8.01 ±9.6 10038 CAA IEEE 802.15.1 Bluetooth (B-DPSK, DH3) Bluetooth 4.10 ±9.6 10039 CAB IEEE 802.15.1 Bluetooth (B-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 10046 CAA DECT (TDD, TDMA/FDM, GFSK, Ful Slot, 24) DECT 10.79 ±9.6 10048 CAA DECT (TDD, TDMA/FDM, GFSK, Ful Slot, 24) DECT 10.79 ±9.6 10056 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 1.01 ±9.6 10058 DAC EDGE-FDD (TDMA, BPSK, TN 0-1-2-3) GSM 6.52 ±9.6 10059 CAB IEEE 802.110 WiF1 2.4 GHz (DSSS, 2 Mbps) WLAN 2.12 ±9.6 10060 CAB IEEE 802.110 WiF1 2.4 GHz (DSSS, 5.5 Mbps) WLAN 2.8 ±9.6 10061 CAB IEEE 802.110 WiF1 5 GHz (OFDM, 6 Mbps) WLAN 3.60 ±9.6 10062 CAC IEEE 802.110 WiF1 5 GHz (OFDM, 10 Mbps) WLAN 3.60 ±9.6 10063 CAC IEEE 802.110 WiF1 5 GHz (OFDM, 10 Mbps) WLAN 9.09 ±9.6 10064 CAC IEEE 802.110 WiF1 5 GHz (OFDM, 10 Mbps) WLAN 9.09 ±9.6 10065 CAC IEEE 802.110 WiF1 5 GHz (OFDM, 10 Mbps) WLAN 9.09 ±9.6 10066 CAC IEEE 802.110 WiF1 5 GHz (OFDM, 10 Mbps) WLAN 9.00 ±9.6 10067 CAC IEEE 802.110 WiF1 5 GHz (OFDM, 10 Mbps) WLAN 9.00 ±9.6 10068 CAC IEEE 802.110 WiF1 5 GHz (OFDM, 10 Mbps) WLAN 9.00 ±9.6 10069 CAC IEEE 802.110 WiF1 5 GHz (OFD		1				
10034						± 9.6 %
19035 CAA IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5) Bluetooth 3.83 ± 9.6	10034					± 9.6 %
10036						± 9.6 %
10037 CAA IEEE 802.15.1 Bluetooth (8-DPSK, DH3) Bluetooth 4.77 ± 9.6 10038 CAA IEEB 802.15.1 Bluetooth (8-DPSK, DH5) Bluetooth 4.10 ± 9.6 10039 CAB CDMA2000 (1xRT1, 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/EA/TIA-553 FDD (FDMA, FM) AMPS 0.00 ± 9.6 10048 CAA DECT (TDD, TDMA/FDM, GFSK, Full Islot, 24) DECT 13.80 ± 9.6 10049 CAA DECT (TDD, TDMA/FDM, GFSK, Full Islot, 24) DECT 10.79 ± 9.6 10056 CAA DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12) DECT 10.79 ± 9.6 10056 CAA DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12) DECT 10.79 ± 9.6 10058 DAC EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3) GSM 6.52 ± 9.6 10059 CAB IEEE 802.1116 WIF1 2.4 GHz (DSSS, 2 Mbps) WILAN 2.12 ± 9.6 10060 CAB IEEE 802.1116 WIF1 2.4 GHz (DSSS, 5.5 Mbps) WILAN 2.83 ± 9.6 10061 CAB IEEE 802.1116 WIF1 2.4 GHz (DSSS, 5.5 Mbps) WILAN 2.83 ± 9.6 10062 CAC IEEE 802.1116 WIF1 5 GHz (OFDM, 6 Mbps) WILAN 3.60 ± 9.6 10063 CAC IEEE 802.1116 WIF1 5 GHz (OFDM, 9 Mbps) WILAN 8.63 ± 9.6 10064 CAC IEEE 802.1116 WIF1 5 GHz (OFDM, 12 Mbps) WILAN 8.03 ± 9.6 10065 CAC IEEE 802.1116 WIF1 5 GHz (OFDM, 18 Mbps) WILAN 9.00 ± 9.6 10066 CAC IEEE 802.1116 WIF1 5 GHz (OFDM, 18 Mbps) WILAN 9.00 ± 9.6 10067 CAB IEEE 802.1116 WIF1 5 GHz (OFDM, 48 Mbps) WILAN 9.03 ± 9.6 10068 CAC IEEE 802.1116 WIF1 5 GHz (OFDM, 54 Mbps) WILAN 9.03 ± 9.6 10069 CAC IEEE 802.1116 WIF1 5 GHz (OFDM, 54 Mbps) WILAN 9.04 ± 9.6 10069 CAC IEEE 802.1116 WIF1 5 GHz (OFDM, 54 Mbps) WILAN 9.04 ± 9.6 10071 CAB IEEE 802.1116 WIF1 5 GHz (OFDM, 54 Mbps) WILAN 9.04 ± 9.6 10072 CAB IEEE 802.1116 WIF1 5 GHz (OFDM, 54 Mbps) WILAN 9.04 ± 9.6 10073 CAB IEEE 802.1116 WIF1 5 GHz (OFDM, 54 Mbps) WILAN 9.04 ± 9.6 10		CAA				± 9.6 %
10038		CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)			± 9.6 %
10042 CAB IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)				Bluetooth	4.10	± 9.6 %
10044		CAB			4.57	± 9.6 %
10048			IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)		7.78	± 9.6 %
10049						± 9.6 %
10056						±9.6%
10058 DAC EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3) GSM 6.52 ± 9.6 10059 CAB IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps) WLAN 2.12 ± 9.6 10060 CAB IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps) WLAN 2.83 ± 9.6 10061 CAB IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps) WLAN 3.60 ± 9.6 10062 CAC IEEE 802.11b WiFi 2.4 GHz (DSSS, 1.1 Mbps) WLAN 3.60 ± 9.6 10063 CAC IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps) WLAN 8.68 ± 9.6 10064 CAC IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps) WLAN 8.63 ± 9.6 10065 CAC IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps) WLAN 9.09 ± 9.6 10066 CAC IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps) WLAN 9.00 ± 9.6 10067 CAC IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps) WLAN 9.38 ± 9.6 10068 CAC IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps) WLAN 9.38 ± 9.6 10068 CAC IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps) WLAN 10.12 ± 9.6 10069 CAC IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps) WLAN 10.24 ± 9.6 10071 CAB IEEE 802.11a/h WiFi 5 GHz (DSS/OFDM, 12 Mbps) WLAN 10.56 ± 9.6 10072 CAB IEEE 802.11a/h WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps) WLAN 9.83 ± 9.6 10073 CAB IEEE 802.11a/h WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps) WLAN 9.94 ± 9.6 10074 CAB IEEE 802.11a/h WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps) WLAN 9.94 ± 9.6 10075 CAB IEEE 802.11a/h WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps) WLAN 10.30 ± 9.6 10076 CAB IEEE 802.11a/h WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps) WLAN 10.30 ± 9.6 10077 CAB IEEE 802.11a/h WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps) WLAN 10.30 ± 9.6 10078 CAB IEEE 802.11a/h WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps) WLAN 10.30 ± 9.6 10079 CAB IEEE 802.11a/h WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps) WLAN 10.30 ± 9.6 10070 CAB IEEE 802.11a/h WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps) WLAN 10.30 ± 9.6 10071 CAB IEEE 802.11a/h WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps) WLAN 10.30 ± 9.6 1						± 9.6 %
10059 CAB IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps) WILAN 2.12 ± 9.6						±9.6%
10060						± 9.6 %
10061 CAB IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps) WLAN 3.60 ± 9.6						
10062						
10063						
10064						
10065 CAC IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 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 10070 CAB IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps) WLAN 10.56 ± 9.6 10071 CAB IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps) WLAN 9.83 ± 9.6 10071 CAB IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps) WLAN 9.62 ± 9.6 10071 CAB IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps) WLAN 9.62 ± 9.6 10072 CAB IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps) WLAN 9.94 ± 9.6 10073 CAB IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps) WLAN 10.37 ± 9.6 10075 CAB IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)						
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, 94 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 10081 CAB IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)						
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 10.77 ± 9.6 10077 CAB IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps) WLAN 10.77 ± 9.6 10081 CAB IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps) </td <td></td> <td></td> <td></td> <td></td> <td></td> <td>± 9.6 %</td>						± 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 10.77 ± 9.6 10077 CAB IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps) WLAN 10.77 ± 9.6 10077 CAB IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps) WLAN 11.00 ± 9.6 10081 CAB IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mb						± 9.6 %
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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 IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps) WLAN 11.00 ± 9.6 10081 CAB IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps) WLAN 11.00 ± 9.6 10081 CAB IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps) WLAN 11.00 ± 9.6 10082 CAB IS-54 / IS-136 FDD (TDMA, FDM, PL	10069	CAC				± 9.6 %
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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 <td></td> <td></td> <td></td> <td></td> <td></td> <td>±9.6%</td>						±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, GPSK) 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						± 9.6 %
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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						± 9.6 %
10105 CAG LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM) LTE-TDD 10.01 ± 9.6						± 9.6 %
						± 9.6 %
<u> 10108 CAG LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK) </u>	10108	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-FDD		± 9.6 %

40400	Taxa	1177			
10109	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	± 9.6 %
10110	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-FDD	5.75	± 9.6 %
10111	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-FDD	6.44	± 9.6 %
10112	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-FDD	6.59	±9.6%
10113	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-FDD	6.62	± 9.6 %
10114	CAC	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	WLAN	8.10	± 9.6 %
10115	CAC	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	WLAN	8.46	± 9.6 %
10116	CAC	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	WLAN	8.15	± 9.6 %
10117	CAC	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	WLAN	8.07	± 9.6 %
10118	CAC	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)	WLAN	8.59	± 9.6 %
10119	CAC	IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)	WLAN	8.13	± 9.6 %
10140	CAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-FDD	6.49	± 9.6 %
10141	CAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-FDD	6.53	± 9.6 %
10142	CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10143	CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-FDD	6.35	± 9.6 %
10144	CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-FDD	6.65	
10145	CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-FDD		± 9.6 %
10146	CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)		5.76	± 9.6 %
10147	CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.41	± 9.6 %
10149	CAE	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM) LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-FDD	6.72	± 9.6 %
10150	CAE	LIE-DD (SC EDMA 50% RD, 20 MITZ, 10-UANI)	LTE-FDD	6.42	± 9.6 %
10151	CAG	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	±9.6 %
10151	-	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-TDD	9.28	± 9.6 %
	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	***************************************
10175	CAG	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)			± 9.6 %
10176	CAG	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-FDD	5.72	± 9.6 %
10177	CAI	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-FDD	6.52	± 9.6 %
10178	CAG	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-FDD	5.73	± 9.6 %
10179	CAG		LTE-FDD	6.52	± 9.6 %
10179	CAG	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10181	CAE	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10182		LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-FDD	5.72	± 9.6 %
	CAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10183	AAD	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10184	CAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10185	CAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-FDD	6.51	± 9.6 %
10186	AAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10187	CAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10188	CAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10189	AAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10193	CAC	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	WLAN	8.09	± 9.6 %
10194	CAC	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	WLAN	8.12	± 9.6 %
10195	CAC	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	WLAN	8.21	± 9.6 %
10196	CAC	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	WLAN	8.10	± 9.6 %
10197	CAC	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	WLAN	8.13	± 9.6 %
10198	CAC	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	WLAN	8.27	± 9.6 %
10219	CAC	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	WLAN	8.03	± 9.6 %
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10220	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	· · · · · · · · · · · · · · · · · · ·	
10223				8.06	± 9.6 %
	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-TOD (OC-TOWA, FRB, 1.4 WITZ, TO-QAW)	LTE-TDD	9.49	±9.6 %
10227	CAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.26	± 9.6 %
10228	CAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-TDD	9.22	± 9.6 %
10229	CAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10230	CAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)			
10233	-		LTE-TDD	10.25	± 9.6 %
	CAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-TDD	9.19	±9.6 %
10232	CAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-TDD	9.48	±9.6%
10233	CAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-TDD	10.25	±9.6 %
10234	CAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)			
		LTE TOD (OO FOMA, 1 ND, 5 WITZ, QFSN)	LTE-TDD	9.21	± 9.6 %
10235	CAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10236	CAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10237	CAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10238	CAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)			
			LTE-TDD	9.48	± 9.6 %
10239	CAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10240	CAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10241	CAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.82	± 9.6 %
10242	CAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)			
***************************************			LTE-TDD	9.86	± 9.6 %
10243	CAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-TDD	9.46	± 9.6 %
10244	CAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-TDD	10.06	±9.6%
10245	CAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-TDD	10.06	±9.6 %
10246	CAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	***		
10247			LTE-TDD	9.30	± 9.6 %
	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		
10255		LTE TDD (OO FDMA, 50% DD, 45 MH, 6000)		10.14	± 9.6 %
	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	
10259	CAD				± 9.6 %
		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	
10263	CAG				± 9.6 %
		LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-TDD	10.16	±9.6 %
10264	CAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-TDD	9.23	± 9.6 %
10265	CAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-TDD	9.92	± 9.6 %
10266	CAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-TDD	10.07	± 9.6 %
10267	CAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)			
			LTE-TDD	9.30	±9.6 %
10268	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-TDD	10.06	± 9.6 %
10269	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-TDD	10.13	± 9.6 %
10270	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-TDD	9.58	± 9.6 %
10274	CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	WCDMA	4.87	± 9.6 %
10275	CAB				
		UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	WCDMA	3.96	± 9.6 %
10277	CAA	PHS (QPSK)	PHS	11.81	± 9.6 %
10278	CAA	PHS (QPSK, BW 884MHz, Rolloff 0.5)	PHS	11.81	± 9.6 %
10279	CAA	PHS (QPSK, BW 884MHz, Rolloff 0.38)	PHS	12.18	± 9.6 %
10290	AAB	CDMA2000, RC1, SO55, Full Rate			
			CDMA2000	3.91	±9.6%
10291	AAB	CDMA2000, RC3, SO55, Full Rate	CDMA2000	3.46	± 9.6 %
10292	AAB	CDMA2000, RC3, SO32, Full Rate	CDMA2000	3.39	± 9.6 %
10293	AAB	CDMA2000, RC3, SO3, Full Rate	CDMA2000	3.50	± 9.6 %
10295	AAB				
		CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	CDMA2000	12.49	± 9.6 %
10297	AAD	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-FDD	5.81	± 9.6 %
10298	AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-FDD	5.72	± 9.6 %
	7010	=== (== (== (== (== (== (== (== (== (==			
10299	AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-FDD	6.39	± 9.6 %

10300	AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-FDD	6.60	± 9.6 %
10301	AAA	IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, QPSK, PUSC)	WiMAX	12.03	± 9.6 %
10302	AAA	IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3 CTRL	WiMAX	12.57	± 9.6 %
		symbols)	''''	12.01	20.0 %
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, 15	WiMAX	15.24	± 9.6 %
		symbols)	1 1111111111111111111111111111111111111	10.24	2 3.0 76
10306	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 64QAM, PUSC, 18	WiMAX	14.67	± 9.6 %
		symbols)	***************************************	17.01	2 9.0 %
10307	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, PUSC, 18	WIMAX	14.49	± 9.6 %
		symbols)	171175 00	17,70	2 0.0 /0
10308	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)	WIMAX	14.46	± 9.6 %
10309	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3, 18	WIMAX	14.58	± 9.6 %
		symbols)	77.1111 00	17.00	3.0 /6
10310	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18	WIMAX	14.57	± 9.6 %
		symbols)	***************************************	17.01	1 2 3.0 76
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 duty cycle)		13.48	± 9.6 %
10316	AAB	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle)	WLAN	1.71	± 9.6 %
10317	AAC	IEEE 902.11g WIFT 2.4 GHZ (ERP-OPDWI, 6 MDps, 96pc duty cycle)	WLAN	8.36	± 9.6 %
10352		IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)	WLAN	8.36	±9.6 %
	AAA	Pulse Waveform (200Hz, 10%)	Generic	10.00	± 9.6 %
10353	AAA	Pulse Waveform (200Hz, 20%)	Generic	6.99	± 9.6 %
10354	AAA	Pulse Waveform (200Hz, 40%)	Generic	3.98	± 9.6 %
10355	AAA	Pulse Waveform (200Hz, 60%)	Generic	2.22	± 9.6 %
10356	AAA	Pulse Waveform (200Hz, 80%)	Generic	0.97	± 9.6 %
10387	AAA	QPSK Waveform, 1 MHz	Generic	5.10	± 9.6 %
10388	AAA	QPSK Waveform, 10 MHz	Generic	5.22	± 9.6 %
10396	AAA	64-QAM Waveform, 100 kHz	Generic	·	
10399	AAA	64-QAM Waveform, 40 MHz		6.27	±9.6 %
10400	AAD	IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc duty cycle)	Generic	6.27	±9.6 %
10401	AAD	IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc duty cycle)	WLAN	8.37	±9.6 %
10402	AAD	IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc duty cycle)	WLAN	8.60	± 9.6 %
10403	AAB		WLAN	8.53	± 9.6 %
10404	AAB	CDMA2000 (1xEV-DO, Rev. 0)	CDMA2000	3.76	± 9.6 %
10404		CDMA2000 (1xEV-DO, Rev. A)	CDMA2000	3.77	± 9.6 %
	AAB	CDMA2000, RC3, SO32, SCH0, Full Rate	CDMA2000	5.22	± 9.6 %
10410	AAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL	LTE-TDD	7.82	± 9.6 %
40444		Subframe=2,3,4,7,8,9, Subframe Conf=4)			
10414	AAA	WLAN CCDF, 64-QAM, 40MHz	Generic	8.54	± 9.6 %
10415	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)	WLAN	1.54	± 9.6 %
10416	AAA	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	± 9.6 %
10417	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	± 9.6 %
10418	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle,	WLAN	8.14	± 9.6 %
		Long preambule)		,,	_ 3.0 /0
10419	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle,	WLAN	8.19	± 9.6 %
		Short preambule)	— " "	5.15	_ 0.0 /0
10422	AAB	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	WLAN	8.32	± 9.6 %
10423	AAB	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	WLAN	8.47	± 9.6 %
10424	AAB	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	WLAN		
10425	AAB	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)		8.40	± 9.6 %
10426	AAB	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	WLAN	8.41	± 9.6 %
10427	AAB	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	WLAN	8.45	±9.6 %
10427	AAD		WLAN	8.41	± 9.6 %
10430		LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	LTE-FDD	8.28	± 9.6 %
	AAD	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	LTE-FDD	8.38	± 9.6 %
10432	AAC	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	LTE-FDD	8.34	± 9.6 %
10433	AAC	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	LTE-FDD	8.34	± 9.6 %
10434	AAA	W-CDMA (BS Test Model 1, 64 DPCH)	WCDMA	8.60	± 9.6 %
10435	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL	LTE-TDD	7.82	±9.6%
		Subframe=2,3,4,7,8,9)		1	
10447	AAD	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.56	± 9.6 %
10448	AAD	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)	LTE-FDD	7.53	± 9.6 %
10449	AAC	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%)	LTE-FDD	7.51	± 9.6 %
					/0
10450	AAC	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.48	± 9.6 %

10451	AAA	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	WCDMA	7.59	± 9.6 %
10453	AAD	Validation (Square, 10ms, 1ms)	Test	10.00	± 9.6 %
10456	AAB	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc duty cycle)	WLAN	8.63	± 9.6 %
10457	AAA	UMTS-FDD (DC-HSDPA)	WCDMA		
10458	AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)		6.62	±9.6 %
10459	AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	CDMA2000	6.55	± 9.6 %
10460	AAA		CDMA2000	8.25	± 9.6 %
		UMTS-FDD (WCDMA, AMR)	WCDMA	2.39	± 9.6 %
10461	AAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL	LTE-TDD	7.82	± 9.6 %
40460	A A D	Subframe=2,3,4,7,8,9)			
10462	AAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL	LTE-TDD	8.30	± 9.6 %
40400		Subframe=2,3,4,7,8,9)			
10463	AAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL	LTE-TDD	8.56	± 9.6 %
40404	440	Subframe=2,3,4,7,8,9)			
10464	AAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL	LTE-TDD	7.82	± 9.6 %
40405	440	Subframe=2,3,4,7,8,9)			
10465	AAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL	LTE-TDD	8.32	± 9.6 %
10100	<u> </u>	Subframe=2,3,4,7,8,9)			
10466	AAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL	LTE-TDD	8.57	± 9.6 %
40407		Subframe=2,3,4,7,8,9)			
10467	AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL	LTE-TDD	7.82	± 9.6 %
	<u> </u>	Subframe=2,3,4,7,8,9)			
10468	AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL	LTE-TDD	8.32	± 9.6 %
	<u> </u>	Subframe=2,3,4,7,8,9)			
10469	AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL	LTE-TDD	8.56	± 9.6 %
		Subframe=2,3,4,7,8,9)			
10470	AAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL	LTE-TDD	7.82	± 9.6 %
		Subframe=2,3,4,7,8,9)			
10471	AAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL	LTE-TDD	8.32	± 9.6 %
		Subframe=2,3,4,7,8,9)			
10472	AAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL	LTE-TDD	8.57	± 9.6 %
		Subframe=2,3,4,7,8,9)			
10473	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL	LTE-TDD	7.82	± 9.6 %
		Subframe=2,3,4,7,8,9)			
10474	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL	LTE-TDD	8.32	± 9.6 %
		Subframe=2,3,4,7,8,9)			
10475	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL	LTE-TDD	8.57	± 9.6 %
		Subframe=2,3,4,7,8,9)			
10477	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL	LTE-TDD	8.32	± 9.6 %
		Subframe=2,3,4,7,8,9)			
10478	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL	LTE-TDD	8.57	± 9.6 %
		Subframe=2,3,4,7,8,9)			
10479	AAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL	LTE-TDD	7.74	± 9.6 %
		Subframe=2,3,4,7,8,9)			
10480	AAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL	LTE-TDD	8.18	± 9.6 %
		Subframe=2,3,4,7,8,9)	İ		
10481	AAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL	LTE-TDD	8.45	± 9.6 %
		Subframe=2,3,4,7,8,9)			
10482	AAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL	LTE-TDD	7.71	±9.6%
		Subframe=2,3,4,7,8,9)			_ +.+ .•
10483	AAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL	LTE-TDD	8.39	± 9.6 %
		Subframe=2,3,4,7,8,9)			_ 0.0 /0
10484	AAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL	LTE-TDD	8.47	± 9.6 %
		Subframe=2,3,4,7,8,9)			,,
10485	AAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL	LTE-TDD	7.59	± 9.6 %
		Subframe=2,3,4,7,8,9)	- · - -		
10486	AAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL	LTE-TDD	8.38	± 9.6 %
	İ	Subframe=2,3,4,7,8,9)			70
10487	AAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL	LTE-TDD	8.60	± 9.6 %
		Subframe=2,3,4,7,8,9)	/	5.50	0.0 ,0
10488	AAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL	LTE-TDD	7.70	± 9.6 %
	· · · ·	Subframe=2,3,4,7,8,9)		,,,,	2 0.0 /0
10489	AAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL	LTE-TDD	8.31	± 9.6 %
		Subframe=2,3,4,7,8,9)	,55	5.51	_ 3.0 /0
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10490	AAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL	LTE-TDD	8.54	± 9.6 %
10491	AAE	Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL	LITE TOD	779 179 4	
10431		Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	± 9.6 %
10492	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL	LTE-TDD	8.41	± 9.6 %
10.02	7 07 14	Subframe=2,3,4,7,8,9)	[15-100	0.41	I 9.0 %
10493	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL	LTE-TDD	8.55	± 9.6 %
		Subframe=2,3,4,7,8,9)		0,00	20.070
10494	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL	LTE-TDD	7.74	± 9.6 %
	ļ	Subframe=2,3,4,7,8,9)			
10495	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL	LTE-TDD	8.37	± 9.6 %
40400		Subframe=2,3,4,7,8,9)			
10496	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL	LTE-TDD	8.54	± 9.6 %
10497	AAB	Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL	1 TE TOO	7.07	. 0.001
10437	7770	Subframe=2,3,4,7,8,9)	LTE-TDD	7.67	± 9.6 %
10498	AAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL	LTE-TDD	8.40	± 9.6 %
	1	Subframe=2,3,4,7,8,9)	LIC-100	0.40	I 9.0 %
10499	AAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL	LTE-TDD	8.68	± 9.6 %
		Subframe=2,3,4,7,8,9)		0.00	1.0.0 /0
10500	AAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL	LTE-TDD	7.67	± 9.6 %
		Subframe=2,3,4,7,8,9)			
10501	AAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL	LTE-TDD	8.44	± 9.6 %
		Subframe=2,3,4,7,8,9)			
10502	AAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL	LTE-TDD	8.52	± 9.6 %
10503	A A E	Subframe=2,3,4,7,8,9)			
10503	AAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL	LTE-TDD	7.72	± 9.6 %
10504	AAF	Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL	1 TE TOD		0001
10304	AAI.	Subframe=2,3,4,7,8,9)	LTE-TDD	8.31	± 9.6 %
10505	AAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL	LTE-TDD	8.54	± 9.6 %
,,,,,,	' " "	Subframe=2,3,4,7,8,9)	LILITOD	0.54	19.0 %
10506	AAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL	LTE-TDD	7.74	± 9.6 %
		Subframe=2,3,4,7,8,9)			= 0.0 %
10507	AAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL	LTE-TDD	8.36	± 9.6 %
		Subframe=2,3,4,7,8,9)			
10508	AAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL	LTE-TDD	8.55	± 9.6 %
40500		Subframe=2,3,4,7,8,9)			
10509	AAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL	LTE-TDD	7.99	± 9.6 %
10510	AAE	Subframe=2,3,4,7,8,9)	1 == ===		
10010	AAC	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.49	± 9.6 %
10511	AAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL	LTE-TDD	0.54	1.0.0.0/
10011	, , , , , , , ,	Subframe=2,3,4,7,8,9)	LIE-IUU	8.51	± 9.6 %
10512	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL	LTE-TDD	7.74	± 9.6 %
		Subframe=2,3,4,7,8,9)	1 515 100	1.14	1 3.0 %
10513	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL	LTE-TDD	8.42	± 9.6 %
		Subframe=2,3,4,7,8,9)			
10514	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL	LTE-TDD	8.45	± 9.6 %
		Subframe=2,3,4,7,8,9)			
10515	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)	WLAN	1.58	± 9.6 %
10516 10517	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)	WLAN	1.57	± 9.6 %
	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)	WLAN	1.58	± 9.6 %
10518 10519	AAB AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	WLAN	8.23	± 9.6 %
10519	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle) IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)	WLAN	8.39	± 9.6 %
10521	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)	WLAN WLAN	8.12	±9.6 %
10522	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)	WLAN	7.97 8.45	± 9.6 % ± 9.6 %
10523	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)	WLAN	8.08	± 9.6 %
10524	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)	WLAN	8.27	± 9.6 %
10525	AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)	WLAN	8.36	± 9.6 %
10526	AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)	WLAN	8.42	± 9.6 %
10527	AAB	IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)	WLAN	8.21	± 9.6 %
10528	AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)	WLAN	8.36	± 9.6 %
		, , , , , , , , , , , , , , , , , , ,			

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10529	AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)	WLAN	8.36	± 9.6 %
10531	AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)	WLAN	8,43	± 9.6 %
10532	AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)	WLAN	8.29	± 9.6 %
10533	AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)	WLAN	8.38	
10534	AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 99pc duty cycle)	WLAN		± 9.6 %
10535	AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 99pc duty cycle)		8.45	± 9.6 %
10536		IEEE 002.11ac WIFI (40MHz, MCS1, 99pc duty cycle)	WLAN	8.45	± 9.6 %
3	AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 99pc duty cycle)	WLAN	8.32	± 9.6 %
10537	AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 99pc duty cycle)	WLAN	8.44	± 9.6 %
10538	AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 99pc duty cycle)	WLAN	8.54	± 9.6 %
10540	AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 99pc duty cycle)	WLAN	8.39	± 9.6 %
10541	AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 99pc duty cycle)	WLAN	8.46	± 9.6 %
10542	AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 99pc duty cycle)			
10543	AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 99pc duty cycle)	WLAN	8.65	± 9.6 %
10544		IEEE 002.1 fac WiFi (40MHz, WCS9, 99pc duty cycle)	WLAN	8.65	±9.6 %
	AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle)	WLAN	8.47	± 9.6 %
10545	AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 99pc duty cycle)	WLAN	8.55	± 9.6 %
10546	AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle)	WLAN	8.35	± 9.6 %
10547	AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)	WLAN	8,49	± 9.6 %
10548	AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 99pc duty cycle)	WLAN	8.37	± 9.6 %
10550	AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 99pc duty cycle)	WLAN		
10551	AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 99pc duty cycle)		8.38	± 9.6 %
10552		IEEE 002.1 fac WiFi (OUVITZ, WCS7, 99pc duty cycle)	WLAN	8.50	± 9.6 %
	AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 99pc duty cycle)	WLAN	8.42	± 9.6 %
10553	AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 99pc duty cycle)	WLAN	8.45	±9.6 %
10554	AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 99pc duty cycle)	WLAN	8.48	± 9.6 %
10555	AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 99pc duty cycle)	WLAN	8.47	± 9.6 %
10556	AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 99pc duty cycle)	WLAN	8.50	± 9.6 %
10557	AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle)	WLAN		
10558	AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 99pc duty cycle)		8.52	± 9.6 %
10560	AAC	JEEE 902.11ac Will (TOOMITZ, WC34, 99pc duty cycle)	WLAN	8.61	± 9.6 %
		IEEE 802.11ac WiFi (160MHz, MCS6, 99pc duty cycle)	WLAN	8.73	± 9.6 %
10561	AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 99pc duty cycle)	WLAN	8.56	± 9.6 %
10562	AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 99pc duty cycle)	WLAN	8.69	± 9.6 %
10563	AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)	WLAN	8.77	±9.6%
10564	AAA	IEEE 802.11g WiFl 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty	WLAN	8.25	± 9.6 %
		cycle)	771-7111	0.23	1 2.0 %
10565	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty	WLAN	0 45	1000
	' " ' '	cycle)	WLAN	8.45	± 9.6 %
10566	AAA				
10300	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty	WLAN	8.13	± 9.6 %
4050		cycle)			
10567	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty	WLAN	8.00	±9.6%
		cycle)			
10568	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty	WLAN	8.37	± 9.6 %
		cycle)		0.07	0.0 /0
10569	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty	WLAN	8.10	1069/
		cycle)	VVLAIV	0.10	± 9.6 %
10570	AAA		140 231	 	
10070	\ \tag{\tag{\tag{\tag{\tag{\tag{\tag{	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty	WLAN	8.30	± 9.6 %
40574		cycle)			
10571	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	WLAN	1.99	± 9.6 %
10572	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	WLAN	1.99	± 9.6 %
10573	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	WLAN	1.98	± 9.6 %
10574	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)	WLAN	1.98	± 9.6 %
10575	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty	WLAN	8.59	
	-	cycle)	44 17414	0.08	± 9.6 %
10576	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty	10/1 / 11		
10070	~~~		WLAN	8.60	± 9.6 %
40577	2.2.2	cycle)			
10577	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty	WLAN	8.70	±9.6 %
		cycle)			
10578	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty	WLAN	8.49	± 9.6 %
		cycle)			
10579	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty	WLAN	8.36	± 9.6 %
		cycle)		0.50	2 0.0 70
10580	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty	WLAN	0.70	1000
		cycle)	MATWIA	8.76	± 9.6 %
10581	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty	181/ 231		
10001	~~~		WLAN	8.35	± 9.6 %
40500	^ ^ ~	cycle)			
10582	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty	WLAN	8.67	± 9.6 %
		cycle)			
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10583	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	WLAN	8.59	± 9.6 %
10584	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.60	± 9.6 %
10585	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.70	± 9.6 %
10586	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)	WLAN	8.49	± 9.6 %
10587	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)	WLAN	8.36	± 9.6 %
10588	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.76	±9.6 %
10589	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.35	± 9.6 %
10590	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.67	± 9.6 %
10591	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc duty cycle)	WLAN	8.63	± 9.6 %
10592	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc duty cycle)	WLAN	8.79	± 9.6 %
10593	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc duty cycle)	WLAN	8.64	± 9.6 %
10594	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc duty cycle)	WLAN		
10595	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc duty cycle)	WLAN	8.74 8.74	± 9.6 %
10596	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc duty cycle)	WLAN		± 9.6 %
10597	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc duty cycle)		8.71	± 9.6 %
10598	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS8, 90pc duty cycle)	WLAN	8.72	± 9.6 %
10599	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc duty cycle)	WLAN	8.50	±9.6 %
10600		IEEE 002.1111 (HT MIXED, 40MHZ, MCSO, 90pc duty cycle)	WLAN	8.79	± 9.6 %
10600	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc duty cycle)	WLAN	8.88	± 9.6 %
	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10602	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc duty cycle)	WLAN	8.94	± 9.6 %
10603	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc duty cycle)	WLAN	9.03	± 9.6 %
10604	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc duty cycle)	WLAN	8.76	± 9.6 %
10605	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle)	WLAN	8.97	± 9.6 %
10606	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10607	AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 90pc duty cycle)	WLAN	8.64	± 9.6 %
10608	AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc duty cycle)	WLAN	8.77	± 9.6 %
10609	AAB	IEEE 802.11ac WiFi (20MHz, MCS2, 90pc duty cycle)	WLAN	8.57	± 9.6 %
10610	AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 90pc duty cycle)	WLAN	8.78	± 9.6 %
10611	AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 90pc duty cycle)	WLAN	8.70	± 9.6 %
10612	AAB	IEEE 802.11ac WiFi (20MHz, MCS5, 90pc duty cycle)	WLAN	8.77	± 9.6 %
10613	AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 90pc duty cycle)	WLAN	8.94	± 9.6 %
10614	AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 90pc duty cycle)	WLAN	8.59	± 9.6 %
10615	AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10616	AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10617	AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 90pc duty cycle)	WLAN	8.81	± 9.6 %
10618	AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 90pc duty cycle)	WLAN	8.58	±9.6 %
10619	AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duty cycle)	WLAN	8,86	±9.6%
10620	AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle)	WLAN	8.87	± 9.6 %
10621	AAB	IEEE 802.11ac WiFi (40MHz, MCS5, 90pc duty cycle)	WLAN	8.77	± 9.6 %
10622	AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle)	WLAN	8.68	± 9.6 %
10623	AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10624	AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 90pc duty cycle)	WLAN	8.96	± 9.6 %
10625	AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle)	WLAN	8.96	± 9.6 %
10626	AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle)	WLAN	8.83	± 9.6 %
10627	AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 90pc duty cycle)	WLAN	8.88	± 9.6 %
10628	AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle)	WLAN	8.71	± 9.6 %
10629	AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle)	WLAN	8.85	± 9.6 %
10630	AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle)	WLAN	8.72	± 9.6 %
10631	AAB	IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)	WLAN	8.81	± 9.6 %
10632	AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)	WLAN	8.74	± 9.6 %
10633	AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle)	WLAN	8.83	± 9.6 %
10634	AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle)	WLAN	8.80	± 9.6 %
10635	AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)	WLAN	8.81	± 9.6 %
10636	AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 90pc duty cycle)	WLAN	8.83	± 9.6 %
10637	AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle)	WLAN	8.79	± 9.6 %
10638	AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cycle)	WLAN	8.86	± 9.6 %
10639	AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)	WLAN	8.85	± 9.6 %
10640	AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle)	WLAN	8.98	± 9.6 %
10641	AAC	IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle)	WLAN	9.06	± 9.6 %
10642	AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle)	WLAN	9.06	± 9.6 %
10643	AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle)	WLAN	8.89	± 9.6 %
10644	AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle)	WLAN	9.05	± 9.6 %
10645	AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)	WLAN	9.11	± 9.6 %
10646	AAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)	LTE-TDD	11.96	± 9.6 %
				,	- 0.0 /0

19682 AAA CDMA2000 (1x Advanced) Test Tes	10647	I A A F	LITE TOD (OO FDAM) (DD			
19652 AAE		AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)	LTE-TDD	11.96	±9.6 %
10653 AAE			CDMA2000 (1x Advanced)		3.45	± 9.6 %
109561 AAD LTE-TIDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) LTE-TDD G 96 9.9 % 109583 AAE LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) LTE-TDD G 96 9.9 % 109583 AAE LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) LTE-TDD G 96 9.9 % 109583 AAA Pulse Waveform (200Hz, 20%) Test 10.00 19.0 % 109593 AAA Pulse Waveform (200Hz, 20%) Test 6.99 ±9.0 % 109593 AAA Pulse Waveform (200Hz, 20%) Test 5.90 ±9.0 % 109593 AAA Pulse Waveform (200Hz, 20%) Test 9.9 % 109593 AAA Pulse Waveform (200Hz, 60%) Test 9.9 % 109593 AAA Pulse Waveform (200Hz, 60%) Test 9.9 % 109593 AAA Pulse Waveform (200Hz, 80%) Test 9.7 % 10.9 % 109593 AAA Pulse Waveform (200Hz, 80%) Test 9.7 % 10.9 %			LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.91	± 9.6 %
109563 AAB LIEE_TDD (CPEMA, 20 MHz, E-TM 3-1, Clipping 44%) LTE-TDD			LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.42	± 9.6 %
10658			LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.96	± 9.6 %
10859			LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.21	± 9.6 %
10860				Test	10.00	
10861			Pulse Waveform (200Hz, 20%)	Test	6.99	
10862			Pulse Waveform (200Hz, 40%)	Test	3.98	
10862				Test		
10071				Test		± 9.6 %
19671			Bluetooth Low Energy	Bluetooth		
10672			IEEE 802.11ax (20MHz, MCS0, 90pc duty cycle)		·	
10673 AAA IEEE 802.11ax (20MHz, MCS3, 90pc duty cycle) WLAN 8,74 29.6 % 10675 AAA IEEE 802.11ax (20MHz, MCS3, 90pc duty cycle) WLAN 8,90 29.6 % 10676 AAA IEEE 802.11ax (20MHz, MCS3, 90pc duty cycle) WLAN 8,90 29.6 % 10677 AAA IEEE 802.11ax (20MHz, MCS5, 90pc duty cycle) WLAN 8,73 29.6 % 10678 AAA IEEE 802.11ax (20MHz, MCS5, 90pc duty cycle) WLAN 8,73 29.6 % 10679 AAA IEEE 802.11ax (20MHz, MCS8, 90pc duty cycle) WLAN 8,73 29.6 % 10679 AAA IEEE 802.11ax (20MHz, MCS8, 90pc duty cycle) WLAN 8,76 29.6 % 10680 AAA IEEE 802.11ax (20MHz, MCS8, 90pc duty cycle) WLAN 8,80 29.6 % 10680 AAA IEEE 802.11ax (20MHz, MCS8, 90pc duty cycle) WLAN 8,80 29.6 % 10681 AAA IEEE 802.11ax (20MHz, MCS10, 90pc duty cycle) WLAN 8,80 29.6 % 10682 AAA IEEE 802.11ax (20MHz, MCS10, 90pc duty cycle) WLAN 8,83 19.6 % 10685 AAA IEEE 802.11ax (20MHz, MCS10, 90pc duty cycle) WLAN 8,83 19.6 % 10686 AAA IEEE 802.11ax (20MHz, MCS10, 90pc duty cycle) WLAN 8,83 19.6 % 10686 AAA IEEE 802.11ax (20MHz, MCS10, 90pc duty cycle) WLAN 8,26 29.6 % 10686 AAA IEEE 802.11ax (20MHz, MCS10, 90pc duty cycle) WLAN 8,26 29.6 % 10686 AAA IEEE 802.11ax (20MHz, MCS2, 90pc duty cycle) WLAN 8,26 29.6 % 10686 AAA IEEE 802.11ax (20MHz, MCS3, 90pc duty cycle) WLAN 8,26 29.6 % 10687 AAA IEEE 802.11ax (20MHz, MCS3, 90pc duty cycle) WLAN 8,26 29.6 % 10689 AAA IEEE 802.11ax (20MHz, MCS8, 90pc duty cycle) WLAN 8,26 29.6 % 10689 AAA IEEE 802.11ax (20MHz, MCS8, 90pc duty cycle) WLAN 8,26 29.6 % 10689 AAA IEEE 802.11ax (20MHz, MCS8, 90pc duty cycle) WLAN 8,26 29.6 % 10689 AAA IEEE 802.11ax (20MHz, MCS8, 90pc duty cycle) WLAN 8,26 29.6 % 10689 AAA IEEE 802.11ax (20MHz, MCS9, 90pc duty cycle) WLAN 8,26 29.6 % 10689 AAA IEEE 802.11ax (40MHz, MCS9, 90pc duty cycle) WLAN 8,26 29.6 % 10689 AAA IEEE 802			IEEE 802.11ax (20MHz, MCS1, 90pc duty cycle)			
10674		AAA	IEEE 802.11ax (20MHz, MCS2, 90pc duty cycle)			
10675			IEEE 802.11ax (20MHz, MCS3, 90pc duty cycle)			
10676		AAA	IEEE 802.11ax (20MHz, MCS4, 90pc duty cycle)			
10677 AAA IEEE 802.11ax (20MHz, MCS6, 90pc duty cycle)	10676	AAA	IEEE 802.11ax (20MHz, MCS5, 90pc duty cycle)			
10678	10677	AAA	IEEE 802.11ax (20MHz, MCS6, 90pc duty cycle)			
10679 AAA IEEE 802.11ax (20MHz, MCS8, 90pc duty cycle)	10678	AAA	IEEE 802.11ax (20MHz, MCS7, 90pc duty cycle)		*****	
10680		AAA	IEEE 802.11ax (20MHz, MCS8, 90pc duty cycle)			
10681 AAA			IEEE 802.11ax (20MHz, MCS9, 90nc duty cycle)		}	
10682			IEEE 802.11ax (20MHz, MCS10, 90nc duty cycle)			
10683			IEEE 802.11ax (20MHz, MCS11, 90nc duty cycle)			
10684			IEEE 802 11ax (20MHz, MCS0, 99nc duty cycle)			
10685			IFFE 802 11ax (20MHz, MCS1, 99pc duty cycle)			
10686			IEEE 802 11av (20MHz, MCC2, 00pp duty cycle)			
10687			IEEE 802.11ax (20MHz, MCC2, 99pc duty cycle)			
10688		· · · · · · · · · · · · · · · · · · ·	IEEE 802.11ax (20MHz, MCC3, 99pc duty cycle)			
10689			IEEE 802.11ax (20MHz, MCS4, 99pc duty cycle)			
10690			IEEE 802.11ax (20MHz, MCCS, 99pc duty cycle)			± 9.6 %
10691 AAA)		IEEE 802.11ax (20MHz, MCS6, 99pc duty cycle)			
10692			IEEE 802.11ax (20MHz, MCS7, 99pc duty cycle)		**	
10693			IEEE 802.11ax (20MHz, MCS8, 99pc duty cycle)		8.25	
10694			IEEE 802.11ax (20MHz, MCS9, 99pc duty cycle)			
10695			IEEE 802.11ax (20MHz, MCS10, 99pc duty cycle)		8.25	
10696			IEEE 802.11ax (20MHz, MCS11, 99pc duty cycle)		8.57	
10697			IEEE 802.11ax (40MHz, MCS0, 90pc duty cycle)		8.78	± 9.6 %
10698			IEEE 802.11ax (40MHz, MCS1, 90pc duty cycle)		8.91	± 9.6 %
10699			IEEE 802.11ax (40MHz, MCS2, 90pc duty cycle)	WLAN	8.61	± 9.6 %
10699			IEEE 802.11ax (40MHz, MCS3, 90pc duty cycle)	WLAN	8.89	
107/00			IEEE 802.11ax (40MHz, MCS4, 90pc duty cycle)	WLAN	8.82	
10701 AAA IEEE 802.11ax (40MHz, MCS6, 90pc duty cycle)			IEEE 802.11ax (40MHz, MCS5, 90pc duty cycle)	WLAN		
10702			IEEE 802.11ax (40MHz, MCS6, 90pc duty cycle)			
10703			IEEE 802.11ax (40MHz, MCS7, 90pc duty cycle)			
10704 AAA IEEE 802.11ax (40MHz, MCS9, 90pc duty cycle) WLAN 8.56 ± 9.6 % 10705 AAA IEEE 802.11ax (40MHz, MCS10, 90pc duty cycle) WLAN 8.69 ± 9.6 % 10706 AAA IEEE 802.11ax (40MHz, MCS11, 90pc duty cycle) WLAN 8.66 ± 9.6 % 10707 AAA IEEE 802.11ax (40MHz, MCS0, 99pc duty cycle) WLAN 8.32 ± 9.6 % 10708 AAA IEEE 802.11ax (40MHz, MCS1, 99pc duty cycle) WLAN 8.55 ± 9.6 % 10709 AAA IEEE 802.11ax (40MHz, MCS2, 99pc duty cycle) WLAN 8.33 ± 9.6 % 10710 AAA IEEE 802.11ax (40MHz, MCS3, 99pc duty cycle) WLAN 8.29 ± 9.6 % 10711 AAA IEEE 802.11ax (40MHz, MCS5, 99pc duty cycle) WLAN 8.39 ± 9.6 % 10712 AAA IEEE 802.11ax (40MHz, MCS5, 99pc duty cycle) WLAN 8.67 ± 9.6 % 10713 AAA IEEE 802.11ax (40MHz, MCS6, 99pc duty cycle) WLAN 8.26 ± 9.6 % 10715 AAA IEEE 802.11ax (40MHz, MCS9, 99pc duty			IEEE 802.11ax (40MHz, MCS8, 90pc duty cycle)			
10705 AAA IEEE 802.11ax (40MHz, MCS10, 90pc duty cycle) WLAN 8.69 ± 9.6 % 10706 AAA IEEE 802.11ax (40MHz, MCS11, 90pc duty cycle) WLAN 8.66 ± 9.6 % 10707 AAA IEEE 802.11ax (40MHz, MCS0, 99pc duty cycle) WLAN 8.32 ± 9.6 % 10708 AAA IEEE 802.11ax (40MHz, MCS1, 99pc duty cycle) WLAN 8.55 ± 9.6 % 10709 AAA IEEE 802.11ax (40MHz, MCS2, 99pc duty cycle) WLAN 8.33 ± 9.6 % 10710 AAA IEEE 802.11ax (40MHz, MCS3, 99pc duty cycle) WLAN 8.29 ± 9.6 % 10711 AAA IEEE 802.11ax (40MHz, MCS4, 99pc duty cycle) WLAN 8.39 ± 9.6 % 10712 AAA IEEE 802.11ax (40MHz, MCS5, 99pc duty cycle) WLAN 8.67 ± 9.6 % 10713 AAA IEEE 802.11ax (40MHz, MCS6, 99pc duty cycle) WLAN 8.33 ± 9.6 % 10714 AAA IEEE 802.11ax (40MHz, MCS7, 99pc duty cycle) WLAN 8.26 ± 9.6 % 10715 AAA IEEE 802.11ax (40MHz, MCS9, 99pc duty			IEEE 802.11ax (40MHz, MCS9, 90pc duty cycle)			
10706 AAA IEEE 802.11ax (40MHz, MCS11, 90pc duty cycle) WLAN 8.66 ± 9.6 % 10707 AAA IEEE 802.11ax (40MHz, MCS0, 99pc duty cycle) WLAN 8.32 ± 9.6 % 10708 AAA IEEE 802.11ax (40MHz, MCS1, 99pc duty cycle) WLAN 8.55 ± 9.6 % 10709 AAA IEEE 802.11ax (40MHz, MCS2, 99pc duty cycle) WLAN 8.33 ± 9.6 % 10710 AAA IEEE 802.11ax (40MHz, MCS3, 99pc duty cycle) WLAN 8.29 ± 9.6 % 10711 AAA IEEE 802.11ax (40MHz, MCS4, 99pc duty cycle) WLAN 8.39 ± 9.6 % 10712 AAA IEEE 802.11ax (40MHz, MCS5, 99pc duty cycle) WLAN 8.67 ± 9.6 % 10713 AAA IEEE 802.11ax (40MHz, MCS6, 99pc duty cycle) WLAN 8.26 ± 9.6 % 10714 AAA IEEE 802.11ax (40MHz, MCS7, 99pc duty cycle) WLAN 8.45 ± 9.6 % 10715 AAA IEEE 802.11ax (40MHz, MCS9, 99pc duty cycle) WLAN 8.45 ± 9.6 % 10716 AAA IEEE 802.11ax (40MHz, MCS10, 99pc duty			IEEE 802.11ax (40MHz, MCS10, 90pc duty cycle)			
10707 AAA IEEE 802.11ax (40MHz, MCS0, 99pc duty cycle) WLAN 8.32 ± 9.6 % 10708 AAA IEEE 802.11ax (40MHz, MCS1, 99pc duty cycle) WLAN 8.55 ± 9.6 % 10709 AAA IEEE 802.11ax (40MHz, MCS2, 99pc duty cycle) WLAN 8.33 ± 9.6 % 10710 AAA IEEE 802.11ax (40MHz, MCS3, 99pc duty cycle) WLAN 8.29 ± 9.6 % 10711 AAA IEEE 802.11ax (40MHz, MCS4, 99pc duty cycle) WLAN 8.39 ± 9.6 % 10712 AAA IEEE 802.11ax (40MHz, MCS5, 99pc duty cycle) WLAN 8.67 ± 9.6 % 10713 AAA IEEE 802.11ax (40MHz, MCS6, 99pc duty cycle) WLAN 8.33 ± 9.6 % 10714 AAA IEEE 802.11ax (40MHz, MCS7, 99pc duty cycle) WLAN 8.26 ± 9.6 % 10715 AAA IEEE 802.11ax (40MHz, MCS8, 99pc duty cycle) WLAN 8.45 ± 9.6 % 10716 AAA IEEE 802.11ax (40MHz, MCS10, 99pc duty cycle) WLAN 8.30 ± 9.6 % 10718 AAA IEEE 802.11ax (80MHz, MCS1, 99pc duty			IEEE 802.11ax (40MHz, MCS11, 90pc duty cycle)			
10708 AAA IEEE 802.11ax (40MHz, MCS1, 99pc duty cycle) WLAN 8.55 ± 9.6 % 10709 AAA IEEE 802.11ax (40MHz, MCS2, 99pc duty cycle) WLAN 8.33 ± 9.6 % 10710 AAA IEEE 802.11ax (40MHz, MCS3, 99pc duty cycle) WLAN 8.29 ± 9.6 % 10711 AAA IEEE 802.11ax (40MHz, MCS4, 99pc duty cycle) WLAN 8.39 ± 9.6 % 10712 AAA IEEE 802.11ax (40MHz, MCS5, 99pc duty cycle) WLAN 8.67 ± 9.6 % 10713 AAA IEEE 802.11ax (40MHz, MCS7, 99pc duty cycle) WLAN 8.33 ± 9.6 % 10714 AAA IEEE 802.11ax (40MHz, MCS7, 99pc duty cycle) WLAN 8.26 ± 9.6 % 10715 AAA IEEE 802.11ax (40MHz, MCS9, 99pc duty cycle) WLAN 8.45 ± 9.6 % 10716 AAA IEEE 802.11ax (40MHz, MCS10, 99pc duty cycle) WLAN 8.30 ± 9.6 % 10718 AAA IEEE 802.11ax (40MHz, MCS11, 99pc duty cycle) WLAN 8.48 ± 9.6 % 10720 AAA IEEE 802.11ax (80MHz, MCS1, 90pc duty		AAA	IEEE 802.11ax (40MHz, MCS0, 99pc duty cycle)			
10709 AAA IEEE 802.11ax (40MHz, MCS2, 99pc duty cycle) WLAN 8.33 ±9.6 % 10710 AAA IEEE 802.11ax (40MHz, MCS3, 99pc duty cycle) WLAN 8.29 ±9.6 % 10711 AAA IEEE 802.11ax (40MHz, MCS4, 99pc duty cycle) WLAN 8.39 ±9.6 % 10712 AAA IEEE 802.11ax (40MHz, MCS5, 99pc duty cycle) WLAN 8.67 ±9.6 % 10713 AAA IEEE 802.11ax (40MHz, MCS6, 99pc duty cycle) WLAN 8.33 ±9.6 % 10714 AAA IEEE 802.11ax (40MHz, MCS7, 99pc duty cycle) WLAN 8.26 ±9.6 % 10715 AAA IEEE 802.11ax (40MHz, MCS8, 99pc duty cycle) WLAN 8.45 ±9.6 % 10716 AAA IEEE 802.11ax (40MHz, MCS9, 99pc duty cycle) WLAN 8.30 ±9.6 % 10717 AAA IEEE 802.11ax (40MHz, MCS10, 99pc duty cycle) WLAN 8.48 ±9.6 % 10718 AAA IEEE 802.11ax (80MHz, MCS1, 99pc duty cycle) WLAN 8.24 ±9.6 % 10720 AAA IEEE 802.11ax (80MHz, MCS1, 90pc duty cycle) <td></td> <td>AAA</td> <td>IEEE 802.11ax (40MHz, MCS1, 99pc duty cycle)</td> <td></td> <td></td> <td></td>		AAA	IEEE 802.11ax (40MHz, MCS1, 99pc duty cycle)			
10710 AAA IEEE 802.11ax (40MHz, MCS3, 99pc duty cycle) WLAN 8.29 ± 9.6 % 10711 AAA IEEE 802.11ax (40MHz, MCS4, 99pc duty cycle) WLAN 8.39 ± 9.6 % 10712 AAA IEEE 802.11ax (40MHz, MCS5, 99pc duty cycle) WLAN 8.67 ± 9.6 % 10713 AAA IEEE 802.11ax (40MHz, MCS6, 99pc duty cycle) WLAN 8.33 ± 9.6 % 10714 AAA IEEE 802.11ax (40MHz, MCS7, 99pc duty cycle) WLAN 8.26 ± 9.6 % 10715 AAA IEEE 802.11ax (40MHz, MCS8, 99pc duty cycle) WLAN 8.45 ± 9.6 % 10716 AAA IEEE 802.11ax (40MHz, MCS9, 99pc duty cycle) WLAN 8.30 ± 9.6 % 10717 AAA IEEE 802.11ax (40MHz, MCS10, 99pc duty cycle) WLAN 8.48 ± 9.6 % 10718 AAA IEEE 802.11ax (40MHz, MCS11, 99pc duty cycle) WLAN 8.24 ± 9.6 % 10720 AAA IEEE 802.11ax (80MHz, MCS1, 90pc duty cycle) WLAN 8.81 ± 9.6 % 10721 AAA IEEE 802.11ax (80MHz, MCS2, 90pc duty	10709		IEEE 802.11ax (40MHz, MCS2, 99pc duty cycle)			
10711 AAA IEEE 802.11ax (40MHz, MCS4, 99pc duty cycle) WLAN 8.39 ± 9.6 % 10712 AAA IEEE 802.11ax (40MHz, MCS5, 99pc duty cycle) WLAN 8.67 ± 9.6 % 10713 AAA IEEE 802.11ax (40MHz, MCS6, 99pc duty cycle) WLAN 8.33 ± 9.6 % 10714 AAA IEEE 802.11ax (40MHz, MCS7, 99pc duty cycle) WLAN 8.26 ± 9.6 % 10715 AAA IEEE 802.11ax (40MHz, MCS8, 99pc duty cycle) WLAN 8.45 ± 9.6 % 10716 AAA IEEE 802.11ax (40MHz, MCS9, 99pc duty cycle) WLAN 8.30 ± 9.6 % 10717 AAA IEEE 802.11ax (40MHz, MCS10, 99pc duty cycle) WLAN 8.48 ± 9.6 % 10718 AAA IEEE 802.11ax (40MHz, MCS11, 99pc duty cycle) WLAN 8.24 ± 9.6 % 10719 AAA IEEE 802.11ax (80MHz, MCS1, 90pc duty cycle) WLAN 8.81 ± 9.6 % 10720 AAA IEEE 802.11ax (80MHz, MCS2, 90pc duty cycle) WLAN 8.87 ± 9.6 % 10721 AAA IEEE 802.11ax (80MHz, MCS2, 90pc duty			IEEE 802.11ax (40MHz, MCS3, 99pc duty cycle)			
10712 AAA IEEE 802.11ax (40MHz, MCS5, 99pc duty cycle) WLAN 8.67 ± 9.6 % 10713 AAA IEEE 802.11ax (40MHz, MCS6, 99pc duty cycle) WLAN 8.33 ± 9.6 % 10714 AAA IEEE 802.11ax (40MHz, MCS7, 99pc duty cycle) WLAN 8.26 ± 9.6 % 10715 AAA IEEE 802.11ax (40MHz, MCS8, 99pc duty cycle) WLAN 8.45 ± 9.6 % 10716 AAA IEEE 802.11ax (40MHz, MCS9, 99pc duty cycle) WLAN 8.30 ± 9.6 % 10717 AAA IEEE 802.11ax (40MHz, MCS10, 99pc duty cycle) WLAN 8.48 ± 9.6 % 10718 AAA IEEE 802.11ax (40MHz, MCS11, 99pc duty cycle) WLAN 8.24 ± 9.6 % 10719 AAA IEEE 802.11ax (80MHz, MCS0, 90pc duty cycle) WLAN 8.81 ± 9.6 % 10720 AAA IEEE 802.11ax (80MHz, MCS1, 90pc duty cycle) WLAN 8.87 ± 9.6 % 10721 AAA IEEE 802.11ax (80MHz, MCS2, 90pc duty cycle) WLAN 8.76 ± 9.6 %			IEEE 802.11ax (40MHz, MCS4, 99nc duty cycle)			
10713 AAA IEEE 802.11ax (40MHz, MCS6, 99pc duty cycle) WLAN 8.33 ± 9.6 % 10714 AAA IEEE 802.11ax (40MHz, MCS7, 99pc duty cycle) WLAN 8.26 ± 9.6 % 10715 AAA IEEE 802.11ax (40MHz, MCS8, 99pc duty cycle) WLAN 8.45 ± 9.6 % 10716 AAA IEEE 802.11ax (40MHz, MCS9, 99pc duty cycle) WLAN 8.30 ± 9.6 % 10717 AAA IEEE 802.11ax (40MHz, MCS10, 99pc duty cycle) WLAN 8.48 ± 9.6 % 10718 AAA IEEE 802.11ax (40MHz, MCS11, 99pc duty cycle) WLAN 8.24 ± 9.6 % 10719 AAA IEEE 802.11ax (80MHz, MCS0, 90pc duty cycle) WLAN 8.81 ± 9.6 % 10720 AAA IEEE 802.11ax (80MHz, MCS1, 90pc duty cycle) WLAN 8.87 ± 9.6 % 10721 AAA IEEE 802.11ax (80MHz, MCS2, 90pc duty cycle) WLAN 8.76 ± 9.6 %			IEEE 802.11ax (40MHz, MCS5, 99pc duty cycle)			
10714 AAA IEEE 802.11ax (40MHz, MCS7, 99pc duty cycle) WLAN 8.26 ± 9.6 % 10715 AAA IEEE 802.11ax (40MHz, MCS8, 99pc duty cycle) WLAN 8.45 ± 9.6 % 10716 AAA IEEE 802.11ax (40MHz, MCS9, 99pc duty cycle) WLAN 8.30 ± 9.6 % 10717 AAA IEEE 802.11ax (40MHz, MCS10, 99pc duty cycle) WLAN 8.48 ± 9.6 % 10718 AAA IEEE 802.11ax (40MHz, MCS11, 99pc duty cycle) WLAN 8.24 ± 9.6 % 10719 AAA IEEE 802.11ax (80MHz, MCS0, 90pc duty cycle) WLAN 8.81 ± 9.6 % 10720 AAA IEEE 802.11ax (80MHz, MCS1, 90pc duty cycle) WLAN 8.87 ± 9.6 % 10721 AAA IEEE 802.11ax (80MHz, MCS2, 90pc duty cycle) WLAN 8.76 ± 9.6 %			IEEE 802.11ax (40MHz, MCS6, 99pc duty cycle)			
10715 AAA IEEE 802.11ax (40MHz, MCS8, 99pc duty cycle) WLAN 8.25 ± 9.6 % 10716 AAA IEEE 802.11ax (40MHz, MCS9, 99pc duty cycle) WLAN 8.30 ± 9.6 % 10717 AAA IEEE 802.11ax (40MHz, MCS10, 99pc duty cycle) WLAN 8.48 ± 9.6 % 10718 AAA IEEE 802.11ax (40MHz, MCS11, 99pc duty cycle) WLAN 8.24 ± 9.6 % 10719 AAA IEEE 802.11ax (80MHz, MCS0, 90pc duty cycle) WLAN 8.81 ± 9.6 % 10720 AAA IEEE 802.11ax (80MHz, MCS1, 90pc duty cycle) WLAN 8.87 ± 9.6 % 10721 AAA IEEE 802.11ax (80MHz, MCS2, 90pc duty cycle) WLAN 8.76 ± 9.6 %			IEEE 802.11ax (40MHz, MCS7, 99nc duty cycle)			
10716 AAA IEEE 802.11ax (40MHz, MCS9, 99pc duty cycle) WLAN 8.30 ± 9.6 % 10717 AAA IEEE 802.11ax (40MHz, MCS10, 99pc duty cycle) WLAN 8.48 ± 9.6 % 10718 AAA IEEE 802.11ax (40MHz, MCS11, 99pc duty cycle) WLAN 8.24 ± 9.6 % 10719 AAA IEEE 802.11ax (80MHz, MCS0, 90pc duty cycle) WLAN 8.81 ± 9.6 % 10720 AAA IEEE 802.11ax (80MHz, MCS1, 90pc duty cycle) WLAN 8.87 ± 9.6 % 10721 AAA IEEE 802.11ax (80MHz, MCS2, 90pc duty cycle) WLAN 8.76 ± 9.6 %			IEEE 802.11ax (40MHz, MCS8, 99nc duty cycle)			
10717 AAA IEEE 802.11ax (40MHz, MCS10, 99pc duty cycle) WLAN 8.48 ± 9.6 % 10718 AAA IEEE 802.11ax (40MHz, MCS11, 99pc duty cycle) WLAN 8.24 ± 9.6 % 10719 AAA IEEE 802.11ax (80MHz, MCS0, 90pc duty cycle) WLAN 8.81 ± 9.6 % 10720 AAA IEEE 802.11ax (80MHz, MCS1, 90pc duty cycle) WLAN 8.87 ± 9.6 % 10721 AAA IEEE 802.11ax (80MHz, MCS2, 90pc duty cycle) WLAN 8.76 ± 9.6 %			IEEE 802.11ax (40MHz, MCSQ, 90pc duty cycle)			
10718 AAA IEEE 802.11ax (40MHz, MCS11, 99pc duty cycle) WLAN 8.24 ± 9.6 % 10719 AAA IEEE 802.11ax (80MHz, MCS0, 90pc duty cycle) WLAN 8.81 ± 9.6 % 10720 AAA IEEE 802.11ax (80MHz, MCS1, 90pc duty cycle) WLAN 8.87 ± 9.6 % 10721 AAA IEEE 802.11ax (80MHz, MCS2, 90pc duty cycle) WLAN 8.76 ± 9.6 % 10723 AAA IEEE 802.14ax (80MHz, MCS2, 90pc duty cycle) WLAN 8.76 ± 9.6 %			IFFE 802 11ax (40MHz, MCS10, 99pc duty cycle)			
10719 AAA IEEE 802.11ax (80MHz, MCS0, 90pc duty cycle) WLAN 8.81 ± 9.6 % 10720 AAA IEEE 802.11ax (80MHz, MCS1, 90pc duty cycle) WLAN 8.87 ± 9.6 % 10721 AAA IEEE 802.11ax (80MHz, MCS2, 90pc duty cycle) WLAN 8.76 ± 9.6 %			IEEE 802 11ax (40MHz, MCS11, 00pg duty syste)			
10720 AAA IEEE 802.11ax (80MHz, MCS1, 90pc duty cycle) WLAN 8.87 ± 9.6 % 10721 AAA IEEE 802.11ax (80MHz, MCS2, 90pc duty cycle) WLAN 8.76 ± 9.6 %			IFFE 802 11ax (80MHz, MCS0, 00ng duty cycle)			
10721 AAA IEEE 802.11ax (80MHz, MCS2, 90pc duty cycle) WLAN 8.76 ± 9.6 %			IEEE 802.1 Tax (0019172, 191030, 30pc duty cycle)			
10722 AAA IFF 802 14 ov (2021) HOOG 602			TEEF 802 11ax (BOME) MOCO DOS JUNE 1			
$\frac{10722}{1000}$ IEEE 002.11ax (00Min2, MICS3, 90pc duty cycle) WLAN 8.55 $\pm 9.6\%$			IEEE 202 11 ov (2014Liz, MOC2, 2015 to the second s			
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	10122	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	TELE 002. Flax (OUNITZ, IVICO3, SUPC duty cycle)	WLAN	8.55	± 9.6 %

10722	١٨٨٨	ECC 902 44 (00MI) - MOD4 00 - 14 12	1		
10723 10724	AAA	IEEE 802.11ax (80MHz, MCS4, 90pc duty cycle)	WLAN	8.70	± 9.6 %
10724	AAA	IEEE 802.11ax (80MHz, MCS5, 90pc duty cycle)	WLAN	8.90	± 9.6 %
10725	AAA	IEEE 802.11ax (80MHz, MCS6, 90pc duty cycle)	WLAN	8.74	± 9.6 %
	AAA	IEEE 802.11ax (80MHz, MCS7, 90pc duty cycle)	WLAN	8.72	± 9.6 %
10727	AAA	IEEE 802.11ax (80MHz, MCS8, 90pc duty cycle)	WLAN	8.66	±9.6%
10728	AAA	IEEE 802.11ax (80MHz, MCS9, 90pc duty cycle)	WLAN	8.65	±9.6%
10729	AAA	IEEE 802.11ax (80MHz, MCS10, 90pc duty cycle)	WLAN	8.64	±9.6 %
10730	AAA	IEEE 802.11ax (80MHz, MCS11, 90pc duty cycle)	WLAN	8.67	± 9.6 %
10731	AAA	IEEE 802.11ax (80MHz, MCS0, 99pc duty cycle)	WLAN	8.42	±9.6%
10732	AAA	IEEE 802.11ax (80MHz, MCS1, 99pc duty cycle)	WLAN	8.46	± 9.6 %
10733	AAA	IEEE 802.11ax (80MHz, MCS2, 99pc duty cycle)	WLAN	8.40	± 9.6 %
10734	AAA	IEEE 802.11ax (80MHz, MCS3, 99pc duty cycle)	WLAN	8.25	± 9.6 %
10735	AAA	IEEE 802.11ax (80MHz, MCS4, 99pc duty cycle)	WLAN	8.33	± 9.6 %
10736	AAA	IEEE 802.11ax (80MHz, MCS5, 99pc duty cycle)	WLAN	8.27	± 9.6 %
10737	AAA	IEEE 802.11ax (80MHz, MCS6, 99pc duty cycle)	WLAN	8.36	± 9.6 %
10738	AAA	IEEE 802.11ax (80MHz, MCS7, 99pc duty cycle)	WLAN	8.42	± 9.6 %
10739	AAA	IEEE 802.11ax (80MHz, MCS8, 99pc duty cycle)	WLAN	8.29	± 9.6 %
10740	AAA	IEEE 802.11ax (80MHz, MCS9, 99pc duty cycle)	WLAN	8.48	± 9.6 %
10741	AAA	IEEE 802.11ax (80MHz, MCS10, 99pc duty cycle)	WLAN	8.40	± 9.6 %
10742	AAA	IEEE 802.11ax (80MHz, MCS11, 99pc duty cycle)	WLAN	8.43	± 9.6 %
10743	AAA	IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle)	WLAN	8.94	± 9.6 %
10744	AAA	IEEE 802.11ax (160MHz, MCS1, 90pc duty cycle)	WLAN	9.16	± 9.6 %
10745	AAA	IEEE 802.11ax (160MHz, MCS2, 90pc duty cycle)	WLAN	8.93	± 9.6 %
10746	AAA	IEEE 802.11ax (160MHz, MCS3, 90pc duty cycle)	WLAN	9.11	±9.6%
10747	AAA	IEEE 802.11ax (160MHz, MCS4, 90pc duty cycle)	WLAN	9.04	±9.6 %
10748	AAA	IEEE 802.11ax (160MHz, MCS5, 90pc duty cycle)	WLAN	8.93	±9.6 %
10749	AAA	IEEE 802.11ax (160MHz, MCS6, 90pc duty cycle)	WLAN	8.90	± 9.6 %
10750	AAA	IEEE 802.11ax (160MHz, MCS7, 90pc duty cycle)	WLAN	8.79	±9.6 %
10751	AAA	IEEE 802.11ax (160MHz, MCS8, 90pc duty cycle)	WLAN		
10752	AAA	IEEE 802.11ax (160MHz, MCS9, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10753	AAA	IEEE 802.11ax (160MHz, MCS10, 90pc duty cycle)		8.81	± 9.6 %
10754	AAA		WLAN	9.00	±9.6%
10755	AAA	IEEE 802.11ax (160MHz, MCS11, 90pc duty cycle)	WLAN	8.94	±9.6%
10756	AAA	IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle)	WLAN	8.64	± 9.6 %
10757		IEEE 802.11ax (160MHz, MCS1, 99pc duty cycle)	WLAN	8.77	± 9.6 %
10757	AAA	IEEE 802.11ax (160MHz, MCS2, 99pc duty cycle)	WLAN	8.77	± 9.6 %
	AAA	IEEE 802.11ax (160MHz, MCS3, 99pc duty cycle)	WLAN	8.69	± 9.6 %
10759	AAA	IEEE 802.11ax (160MHz, MCS4, 99pc duty cycle)	WLAN	8.58	±9.6%
10760	AAA	IEEE 802.11ax (160MHz, MCS5, 99pc duty cycle)	WLAN	8.49	±9.6%
10761	AAA	IEEE 802.11ax (160MHz, MCS6, 99pc duty cycle)	WLAN	8.58	± 9.6 %
10762	AAA	IEEE 802.11ax (160MHz, MCS7, 99pc duty cycle)	WLAN	8.49	± 9.6 %
10763	AAA	IEEE 802.11ax (160MHz, MCS8, 99pc duty cycle)	WLAN	8.53	± 9.6 %
10764	AAA	IEEE 802.11ax (160MHz, MCS9, 99pc duty cycle)	WLAN	8.54	± 9.6 %
10765	AAA	IEEE 802.11ax (160MHz, MCS10, 99pc duty cycle)	WLAN	8.54	±9.6%
10766	AAA	IEEE 802.11ax (160MHz, MCS11, 99pc duty cycle)	WLAN	8.51	± 9.6 %
10767	AAC	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1	7.99	± 9.6 %
40700			TDD		
10768	AAC	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1	8.01	± 9.6 %
10705	L	COND (OD OCD) / CO	TDD		
10769	AAC	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1	8.01	± 9.6 %
			TDD		
10770	AAC	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1	8.02	± 9.6 %
			TDD		
10771	AAC	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1	8.02	± 9.6 %
		·	TDD		
10772	AAC	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1	8.23	±9.6%
		, , , , , , , , , , , , , , , , , , ,	TDD		
10773	AAC	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1	8.03	±9.6%
			TDD		
10774	AAC	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1	8.02	± 9.6 %
	<u> </u>	. , , , , , , , , , , , , , , , , , , ,	TDD		(v
10775	AAB	5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1	8.31	± 9.6 %
		· · · · · · · · · · · · · · · · · · ·	TDD		/
10776	AAC	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1	8.30	± 9.6 %
			TDD		70
	•				

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	8.42	± 9.6 %
10780	AAC	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1	8.38	± 9.6 %
10781	AAC	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1	8.38	± 9.6 %
10782	AAC	5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1	8.43	± 9.6 %
10783	AAC	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1	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	8.35	± 9.6 %
10787	AAC	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1	8.44	± 9.6 %
10788	AAC	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1	8.39	± 9.6 %
10789	AAC	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1	8.37	± 9.6 %
10790	AAC	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1	8.39	± 9.6 %
10791	AAC	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	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 FR1 TDD	7.95	± 9.6 %
10794	AAC	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	± 9.6 %
10795	AAC	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.84	± 9.6 %
10796	AAC	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	± 9.6 %
10797	AAC	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.01	± 9.6 %
10798	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 %
10801	AAC	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	± 9.6 %
10802	AAC	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.87	± 9.6 %
10803	AAC	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	± 9.6 %
10805	AAC	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10806	AAC	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10809	AAC	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10810	AAC	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10812	AAC	5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10817	AAC	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1	8.35	± 9.6 %

10818	AAC	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10819	AAC	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1	8.33	± 9.6 %
10820	AAC	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1	8.30	± 9.6 %
10821	AAC	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1	8.41	± 9.6 %
10822	AAC	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	TDD 5G NR FR1	8.41	± 9.6 %
10823	AAC	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	TDD 5G NR FR1	8.36	± 9.6 %
10824	AAC	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	TDD 5G NR FR1	8.39	± 9.6 %
10825	AAC	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1	8.41	± 9.6 %
10827	AAC	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1	8.42	± 9.6 %
10828	AAC	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)	TDD 5G NR FR1	8.43	± 9.6 %
10829	AAC	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1	8.40	± 9.6 %
10830	AAC	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1	7.63	± 9.6 %
10831	AAC	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1	7.73	± 9.6 %
10832	AAC	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1	7.74	± 9.6 %
10833	AAC	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)	TDD 5G NR FR1	7.70	± 9.6 %
10834	AAC	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)	TDD 5G NR FR1	7.75	± 9.6 %
10835	AAC	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz)	TDD 5G NR FR1	7.70	± 9.6 %
10836	AAC	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)	TDD 5G NR FR1	7.66	± 9.6 %
10837	AAC	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)	TDD 5G NR FR1	7.68	± 9.6 %
10839	AAC	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)	TDD 5G NR FR1	7.70	± 9.6 %
10840	AAC	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)	TDD 5G NR FR1	7.67	± 9.6 %
10841	AAC	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)	TDD 5G NR FR1	7.71	± 9.6 %
10843	AAC	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz)	TDD 5G NR FR1	8.49	± 9.6 %
10844	AAC	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)	TDD 5G NR FR1	8.34	± 9.6 %
10846	AAC	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)	TDD 5G NR FR1	8.41	± 9.6 %
10854	AAC	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)	TDD 5G NR FR1	8.34	± 9.6 %
10855	AAC	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)	TDD 5G NR FR1		
10856	AAC	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)	TDD	8.36	± 9.6 %
10857	AAC	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10858	AAC	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10859			5G NR FR1 TDD	8.36	± 9.6 %
	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	8.40	± 9.6 %
40060	1 4 4 6	,	TDD		
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, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.89	± 9.6 %
10869	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	± 9.6 %
10870	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.86	± 9.6 %
10871	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	5.75	± 9.6 %
10872	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.52	± 9.6 %
10873	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2	6.61	±9.6%
10874	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2	6.65	± 9.6 %
10875	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	± 9.6 %
10876	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.39	± 9.6 %
10877	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	7.95	± 9.6 %
10878	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2	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	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	5.96	± 9.6 %
10883	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2	6.57	± 9.6 %
10884	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.53	± 9.6 %
10885	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2	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	7.78	± 9.6 %
10888	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	TDD 5G NR FR2	8.35	± 9.6 %
10889	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	TDD 5G NR FR2 TDD	8.02	± 9.6 %
10890	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2	8.40	± 9.6 %
10891	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2	8.13	± 9.6 %
10892	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2	8.41	± 9.6 %
10897	AAA	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	TDD 5G NR FR1	5.66	± 9.6 %
10898	AAA	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	TDD 5G NR FR1	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	5.68	± 9.6 %
10901	AAA	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	TDD 5G NR FR1	5.68	± 9.6 %
10902	AAA	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1	5.68	± 9.6 %
10903	AAA	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	TDD 5G NR FR1	5.68	± 9.6 %
10904	AAA	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	TDD 5G NR FR1	5.68	± 9.6 %
10905	AAA	5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1	5.68	± 9.6 %
10906	AAA	5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1	5.68	± 9.6 %
10907	AAA	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)	TDD 5G NR FR1	5.78	± 9.6 %
10908	AAA	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	TDD 5G NR FR1	5.93	± 9.6 %
10909	AAA	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	TDD 5G NR FR1	5.96	± 9.6 %
10910	AAA	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)	TDD 5G NR FR1	5.83	
10911	AAA	,	TDD		±9.6%
		5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	± 9.6 %
10912	AAA	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	5.94	± 9.6 %
10918	AAA	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1	5.86	± 9.6 %
10919	AAA	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1	5.86	± 9.6 %
10920	AAA	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1	5.87	± 9.6 %
10921	AAA	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1	5.84	± 9.6 %
10922	AAA	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1	5.82	± 9.6 %
10923	AAA	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1	5.84	± 9.6 %
10924	AAA	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1	5.84	± 9.6 %
10925	AAA	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	TDD 5G NR FR1	5.95	± 9.6 %
10926	AAA	5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	TDD 5G NR FR1	5.84	± 9.6 %
10927	AAA	5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	TDD 5G NR FR1	5.94	± 9.6 %
10928	AAA	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	TDD 5G NR FR1	5.52	± 9.6 %
10929	AAA	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	FDD 5G NR FR1	5.52	± 9.6 %
10930	AAA	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	FDD 5G NR FR1	5.52	± 9.6 %
		, , , , , , , , , , , , , , , , , , , ,	FDD		

10931	AAA	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1	5.51	± 9.6 %
10932	AAA	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	FDD 5G NR FR1	5.51	± 9.6 %
10933	AAA	<u>'</u>	FDD		
10933	AAA	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10934	AAA	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10935	AAA	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10936	AAA	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1	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	AAA	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	±9.6 %
10939	AAA	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	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	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 %
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	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	9.37	± 9.6 %
10966	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1	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	9.49	± 9.6 %

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

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





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

Accreditation No.: SCS 0108

Accredited by the Swiss Accreditation Service (SAS)

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

Client

PC Test

Certificate No: 5G-Veri10-1004 Aug20

CALIBRATION CERTIFICATE 5G Verification Source 10 GHz - SN: 1004 Object QA CAL-45.v3 Calibration procedure(s) Calibration procedure for sources in air above 6 GHz August 14, 2020 Calibration date: 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) Cal Date (Certificate No.) Scheduled Calibration **Primary Standards** 31-Dec-19 (No. EUmmWV3-9374_Dec19) Dec-20 Reference Probe EummWV3 SN: 9374 11-Aug-20 (No. DAE4ip-1602_Aug20) DAE4ip SN: 1602 Aug-21 Secondary Standards ID# Check Date (in house) Scheduled Check Name Function Signature Calibrated by: Leif Klysner Laboratory Technician Approved by: Katja Pokovic **Technical Manager** Issued: August 17, 2020

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

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