

3701, 40, Simin-daero 365beon-gil, Dongan-gu, Anyang-si, Gyeonggi-do, 431-716, Korea Tel: +82-31-425-6200 / Fax: +82-31-424-0450 www.kes.co.kr



Appendix C. Probe & Dipole Antenna Calibration Certificates

The SPEAG calibration certificates are shown as follows.

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ngineering AG ughausstrasse 43, 8004 Zur	ry of	ilac-was	Schweizerischer Kalibrierdienst Service suisse d'étaionnage Servizio svizzero di taratura Swiss Calibration Service
credited by the Swiss Accre e Swiss Accreditation Ser ultilateral Agreement for th	vice is one of the signate	ories to the EA	editation No.: SCS 0108
KES (Dymst	lec)	Certificate No EX	-3879_Jan23
CALIBRATION C	ERTIFICATE		
Object	EX3DV4 - SN:3	879	
Calibration procedure(s)	QA CAL-25.v8	, QA CAL-12.v10, QA CAL-14.v7, Q edure for dosimetric E-field probes	A CAL-23.v6,
Calibration date	January 26, 202	3	
	inducted in the closed labor	re probability are given on the following pages a atory facility: environment temperature $(22\pm3)^{n}$	
Marian Street and	10		5.1.1.1.1.8.15
himary Standards Power meter NRP	ID SN: 104778	Cal Date (Certificate No.) 04-Apr-22 (No. 217-03525/03524)	Scheduled Calibration Apr-23
Power sensor NRP-291	SN: 103244	04-Apr-22 (No. 217-03524)	Apr-23
OWER SEASOF INPP-291	SN: 1249	20-Oct-22 (OCP-DAK3.5-1249 Oct22)	Oct-23
OCP DAK-3.5 (weighted)	and the second		
CP DAK-3.5 (weighted) CCP DAK-12	SN: 1016	20-Oct-22 (OCP-DAK12-1016_Oct22)	Oct-23
OCP DAK-3.5 (weighted) OCP DAK-12 Reference 20 dB Attenuator	SN: CC2552 (20x)	20-Oct-22 (OCP-DAK12-1016_Oct22) 04-Apr-22 (No. 217-03527)	Apr-23
CP DAK-3.5 (weighted) CCP DAK-12		20-Oct-22 (OCP-DAK12-1016_Oct22)	
DCP DAK-3.5 (weighted) DCP DAK-12 Reference 20 dB Attenuator DAE4 Reference Probe ES3DV2	SN: CC2552 (20x) SN: 660 SN: 3013	20-Oct-22 (OCP-DAK12-1016_Oct22) 04-Apr-22 (No. 217-03527) 10-Oct-22 (No. DAE4-660_Oct22) 06-Jan-23 (No. ES3-3013_Jan23)	Apr-23 Oct-23 Jan-24
DCP DAK-3.5 (weighted) DCP DAK-12 Seference 20 dB Attenuator DAE4 Reference Probe ES3DV2 Secondary Standards	SN: CC2552 (20x) SN: 660 SN: 3013	20-Oct-22 (OCP-DAK12-1016_Oct22) 04-Apr-22 (No. 217-03527) 10-Oct-22 (No. DAE4-660_Oct22) 06-Jan-23 (No. ES3-3013_Jan23) Check Date (in house)	Apr-23 Oct-23 Jan-24 Scheduled Check
DCP DAK-3.5 (weighted) DCP DAK-12 Reference 20 dB Attenuator A&E4 Reference Probe ES3DV2 Recondary Standards Rewer meter E4419B	SN: CC2552 (20x) SN: 660 SN: 3013 ID SN: GB41293874	20-Oct-22 (OCP-DAK12-1016_Oct22) 04-Apr-22 (No. 217-03527) 10-Oct-22 (No. DAE4-660_Oct22) 06-Jan-23 (No. ES3-3013_Jan23) Check Date (in house) 06-Apr-16 (in house check Jun-22)	Apr-23 Oct-23 Jan-24 Scheduled Check In house check: Jun-24
DCP DAK-3.5 (weighted) DCP DAK-12 Seference 20 dB Attenuator DAE4 Reference Probe ES3DV2 Secondary Standards	SN: CC2552 (20x) SN: 660 SN: 3013	20-Oct-22 (OCP-DAK12-1016_Oct22) 04-Apr-22 (No. 217-03527) 10-Oct-22 (No. DAE4-660_Oct22) 06-Jan-23 (No. ES3-3013_Jan23) Check Date (in house)	Apr-23 Oct-23 Jan-24 Scheduled Check
DCP DAK-3.5 (weighted) DCP DAK-12 Reference 20 dB Attenuator AkE4 Reference Probe ES3DV2 Recondary Standards Nower meter E4419B Nower sensor E4412A Nower sensor E4412A Nower sensor E4412A Fig generator HP 8648C	SN: CC2552 (20x) SN: 660 SN: 3013 ID SN: GB41293874 SN: MY41496087 SN: 000110210 SN: US3842U01700	20-Oct-22 (OCP-DAK12-1016_Oct22) 04-Apr-22 (No. 217-03527) 10-Oct-22 (No. DAE4-660_Oct22) 06-Jan-23 (No. ES3-3013_Jan23) Check Date (in house) 06-Apr-16 (in house check Jun-22) 06-Apr-16 (in house check Jun-22) 06-Apr-16 (in house check Jun-22) 04-Aug-99 (in house check Jun-22)	Apr-23 Oct-23 Jan-24 Scheduled Check In house check: Jun-24 In house check: Jun-24
DCP DAK-3.5 (weighted) DCP DAK-12 Reference 20 dB Attenuator JAE4 Reference Probe ES3DV2 Secondary Standards Power meter E4419B Tower sensor E4412A Power sensor E4412A	SN: CC2552 (20x) SN: 660 SN: 3013 ID SN: GB41293874 SN: MY41498087 SN: 000110210	20-Oct-22 (OCP-DAK12-1016_Oct22) 04-Apr-22 (No. 217-03527) 10-Oct-22 (No. DAE4-660_Oct22) 06-Jan-23 (No. ES3-3013_Jan23) Check Date (in house) 06-Apr-16 (in house check Jun-22) 06-Apr-16 (in house check Jun-22) 06-Apr-16 (in house check Jun-22)	Apr-23 Oct-23 Jan-24 Scheduled Check In house check. Jun-24 In house check. Jun-24 In house check. Jun-24
DCP DAK-3.5 (weighted) DCP DAK-12 Reference 20 dB Attenuator AkE4 Reference Probe ES3DV2 Recondary Standards Nower meter E4419B Nower sensor E4412A Nower sensor E4412A Nower sensor E4412A Fig generator HP 8648C	SN: CC2552 (20x) SN: 660 SN: 3013 ID SN: GB41293874 SN: MY41496087 SN: 000110210 SN: US3842U01700	20-Oct-22 (OCP-DAK12-1016_Oct22) 04-Apr-22 (No. 217-03527) 10-Oct-22 (No. DAE4-660_Oct22) 06-Jan-23 (No. ES3-3013_Jan23) Check Date (in house) 06-Apr-16 (in house check Jun-22) 06-Apr-16 (in house check Jun-22) 06-Apr-16 (in house check Jun-22) 04-Aug-99 (in house check Jun-22) 31-Mar-14 (in house check Oct-22)	Apr-23 Oct-23 Jan-24 Scheduled Check In house check. Jun-24 In house check. Jun-24 In house check. Jun-24 In house check. Jun-24
DCP DAK-3.5 (weighted) DCP DAK-12 Reference 20 dB Attenuator AkE4 Reference Probe ES3DV2 Recondary Standards Nower meter E4419B Nower sensor E4412A Nower sensor E4412A Nower sensor E4412A Fig generator HP 8648C	SN: CC2552 (20x) SN: 660 SN: 3013 ID SN: GB41293874 SN: MY41498087 SN: 000110210 SN: US3842U01700 SN: US41080477	20-Oct-22 (OCP-DAK12-1016_Oct22) 04-Apr-22 (No. 217-03527) 10-Oct-22 (No. DAE4-660_Oct22) 06-Jan-23 (No. ES3-3013_Jan23) Check Date (in house) 06-Apr-16 (in house check Jun-22) 06-Apr-16 (in house check Jun-22) 06-Apr-16 (in house check Jun-22) 04-Aug-99 (in house check Jun-22) 31-Mar-14 (in house check Oct-22)	Apr-23 Oct-23 Jan-24 Scheduled Check In house check. Jun-24 In house check. Jun-24 In house check. Jun-24 In house check. Jun-24 In house check. Oct-24
DCP DAK-3.5 (weighted) DCP DAK-12 Reference 20 dB Attenuator JAE4 Reference Probe ES3DV2 Recondary Standards Tower meter E4419B Tower sensor E4412A Tower sensor E4412A To generator HP 8648C Retwork Analyzer EB358A	SN: CC2552 (20x) SN: 660 SN: 3013 ID SN: GB41293874 SN: MY41498087 SN: 000110210 SN: US3842U01700 SN: US3842U01700 SN: US41080477	20-Oct-22 (OCP-DAK12-1016_Oct22) 04-Apr-22 (No. 217-03527) 10-Oct-22 (No. DAE4-660_Oct22) 06-Jan-23 (No. ES3-3013_Jan23) Check Date (in house) 06-Apr-16 (in house check Jun-22) 06-Apr-16 (in house check Jun-22) 06-Apr-16 (in house check Jun-22) 04-Aug-99 (in house check Jun-22) 31-Mar-14 (in house check Oct-22) Function	Apr-23 Oct-23 Jan-24 Scheduled Check In house check. Jun-24 In house check. Oct-24
DCP DAK-3.5 (weighted) DCP DAK-12 Valerence 20 dB Attenuator VAL Reference Probe ES3DV2 Secondary Standards Power sensor E4412A Power sensor E4412A Power sensor E4412A Pregenerator HP 8648C Retwork Analyzer EB358A Calibrated by	SN: CC2552 (20x) SN: 660 SN: 3013 ID SN: GB41293674 SN: MY41498087 SN: US41080477 SN: US41080477 Name Jeton Kastrati Sven Kühn	20-Oct-22 (OCP-DAK12-1016_Oct22) 04-Apr-22 (No. 217-03527) 10-Oct-22 (No. DAE4-660_Oct22) 06-Jan-23 (No. ES3-0013_Jan23) Check Date (in house) 06-Apr-16 (in house check Jun-22) 06-Apr-16 (in house check Jun-22) 06-Apr-16 (in house check Jun-22) 04-Aug-99 (in house check Jun-22) 31-Mar-14 (in house check Jun-22) Function Laboratory Technician	Apr-23 Oct-23 Jan-24 Scheduled Check In house check: Jun-24 In house check: Oct-24 Signature
DCP DAK-3.5 (weighted) DCP DAK-12 Valerence 20 dB Attenuator VAL Reference Probe ES3DV2 Secondary Standards Power sensor E4412A Power sensor E4412A Power sensor E4412A Pregenerator HP 8648C Retwork Analyzer EB358A Calibrated by	SN: CC2552 (20x) SN: 660 SN: 3013 ID SN: GB41293674 SN: MY41498087 SN: US41080477 SN: US41080477 Name Jeton Kastrati Sven Kühn	28-Oct-22 (OCP-DAK12-1016_Oct22) 04-Apr-22 (No. 217-03527) 10-Oct-22 (No. DE4-660_Oct22) 06-Jan-23 (No. ES3-3013_Jan23) Check Date (in house) 06-Apr-16 (in house check Jun-22) 06-Apr-16 (in house check Jun-22) 06-Apr-16 (in house check Jun-22) 04-Aug-96 (in house check Jun-22) 31-Mar-14 (in house check Jun-22) 31-Mar-14 (in house check Jun-22) Function Laboratory Technician	Apr-23 Oct-23 Jan-24 Scheduled Check In house check: Jun-24 In house check: Oct-24 Signature

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Schmid & Pa Engineering	AG	Nac-MRA	S Schweizerischer Kalibrierdienst c Servize suisse d'étaionnage Servizio avizzero di taratura S Swiss Calibration Service
Zeughausstrasse	43, 8004 Zurich, Switzerland	Subada de la	
The Swiss Accre	Swiss Accreditation Service (SAS) iditation Service is one of the sig ement for the recognition of calib	natories to the EA tration certificates	Accreditation No.: SCS 0108
Glossary			
TSL NORMx.y.z ConvF DCP	tissue simulating liquid sensitivity in free space sensitivity in TSL / NORMx.y. diode compression point	z	
CF A, B, C, D Polarization φ Polarization θ	crest factor (1/duty_cycle) of modulation dependent lineari φ rotation around probe axis ϑ rotation around an axis that normal to probe axis	ization parameters	obe axis (at measurement center), i.e., $\theta = 0$ is
Connector Angle	 information used in DASY system 	stem to align probe sensor)	to the robot coordinate system
Calibration is	s Performed According to	the Following Standa	rds:
 a) IEC/IEEE 62 To Radio Fre Models, Inst 	209-1528, "Measurement Proces	dure For The Assessment O And Body-Worn Wireless Co equency Range of 4 MHz to	f Specific Absorption Rate Of Human Exposure mmunication Devices – Part 1528: Human
Methods App	plied and Interpretation of	Parameters:	
 are only intern below ConvF). NORM(f)x,y,z 	nediate values, i.e., the uncertain = NORMx,y,z * frequency_respor	ties of NORMx,y,z does not nse (see Frequency Respon	II; f > 1800 MHz: R22 waveguide). NORMx,y,z affect the E ² -field uncertainty inside TSL (see se Chart). This linearization is implemented in asponse is included in the stated uncertainty of
· DCPx,y,z: DCI	P are numerical linearization para nd on frequency nor media.	ameters assessed based on	the data of power sweep with CW signal. DCP
 PAR: PAR is th Ax,y,z; Bx,y,z; power sweep to calibration range 	e Peak to Average Ratio that is r Cx,y,z; Dx,y,z; VRx,y,z: A, B, C, L or specific modulation signal. The ge expressed in RMS voltage acr	2 are numerical linearization e parameters do not depend loss the diode.	I based on the signal characteristics parameters assessed based on the data of on frequency nor media. VR is the maximum
f ≤ 800MHz) a same setups a uncertainty val boundary. The	nd inside waveguide using analyt re used for assessment of the pa ues are given. These parameters sensitivity in TSL corresponds to iency dependent <i>ConvF</i> is used	tical field distributions based anneters applied for bounds are used in DASY4 software NORMx,y,z * ConvF where	field (or Temperature Transfer Standard for on power measurements for / > 800MHz. The rry compensation (alpha, depth) of which typical e to improve probe accuracy close to the by the uncertainty corresponds to that given for her which allows extending the validity from
 Spherical isotri antenna. 	opy (3D deviation from isotropy):	in a field of low gradients re	alized using a flat phantom exposed by a patch
	The sensor offset corresponds to equired.	o the offset of virtual measur	ement center from the probe tip (on probe axis).
		the information gained by de	termining the NORMx (no uncertainty required).

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EX3DV4 - SN:3879	
	-

January 26, 2023

Parameters of Probe: EX3DV4 - SN:3879

Basic Calibration Parameters

	Sensor X	Sensor Y	Sensor Z	Unc $(k = 2)$
Norm (µV/(V/m) ²) A	0.29	0.41	0.38	±10.1%
DCP (mV) B	107.1	97.9	101.8	±4.7%

Calibration Results for Modulation Response

DID	Communication System Name		A dB	$dB\sqrt{\mu V}$	c	D dB	NR mV	Max dev.	Max Unc ^E k = 2		
)	CW	X	0.00	0.00	1.00	0.00	151.7	±3.0%	±4.7%		
		Y	0.00	0.00	1.00	100303	137.3	1003360			
		Z	0.00	0.00	1.00	1	139.2	1			
0352	Pulse Waveform (200Hz, 10%)	X	7.36	77.39	15.41	10.00	60.0	±2.8%	±9.6%		
		Y	20.00	89.69	20.04	0.000	60.0	- Postario			
		Z 20.00 92.22 21.62	60.0	· · · · · · · · ·							
0353	Pulse Waveform (200Hz, 20%)	X	20.00	88.12	17.38	6.99	80.0	±1.8%	±9.6%		
		Y	20.00	90.24	18.96		80.0				
1.000		Z	20.00	93.51	21.25	1	80.0	-			
0354	Pulse Waveform (200Hz, 40%)	X	20.00	89.15	16.39	3.98	3.98	3.98	95.0	±1.2%	±9.6%
		Y	20.00	90.52	17.47		95.0	1			
		Z	20.00	97.56	21.89	1	95.0	1			
0355	Pulse Waveform (200Hz, 60%)	X	20.00	89.27	15.20	2.22	120.0	±1.1%	±9.6%		
	Manage Manage Manager	Y	20.00	86.55	14.25		120.0	-33030			
		Z	20.00	102.78	22.97	1	120.0				
0387	QPSK Waveform, 1 MHz	X	1.71	68.38	15.83	1.00	150.0	±3.0%	±9.6%		
		Y	1.45	64.68	13.86		150.0	=======			
		Z	1.65	65.69	14.81		150.0				
0388	QPSK Waveform, 10 MHz	X	2.27	69.40	16.48	0.00	0.00 150.0 ±0.	±0.8%	±9.6%		
		Y	1.95	66.41	14.73		150.0				
10110		2	2.19	67.70	15.53		150.0	-			
0396	64-QAM Waveform, 100 kHz	X	2.88	71.51	19.30	3.01	150.0	±0.9%	±9.6%		
		Y	2.57	67.92	17.53		150.0				
_		Z	3.21	71.55	19.17		150.0				
0399	64-QAM Waveform, 40 MHz	X	3.51	67.73	16.12	0.00	150.0	+2.3%	±9.6%		
		Y	3.46	67.04	15.61	54000	150.0				
		2	3.48	66.95	15.68		150.0				
0414	WLAN CCDF, 64-QAM, 40 MHz	X	4.79	66.04	15.76	0.00	150.0	±4.2%	±9.6%		
		Y	4.86	65.78	15.57	100000000	150.0	1.000.000			
		2	4.85	65.51	15.44		150.0				

Note: For details on UID parameters see Appendix

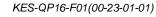
The reported uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor k=2, which for a normal distribution corresponds to a coverage probability of approximately 95%.

^A The uncertainties of Norm X,Y.Z do not aftect the E²-field uncertainty inside TSL (see Pages 5 and 6). ^B Linearization parameter uncertainty for maximum specified field strength. ^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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January 26, 2023

T6 1.01 1.01 1.01

Triangular 165.0" enabled disabled 337 mm 10 mm 9 mm 2.5 mm 1 mm 1 mm 1 mm



EX3DV4 - SN:3879

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	C1 fF	C2 fF	(ar V−1	T1 msV ⁻²	T2 msV ⁻¹	T3 ms	T4 V ⁻²	T5 V-1
×.	37.8	278.10	34.76	8.25	0.27	5.04	1.14	0.19
y .	44.0	333.28	36.33	10.76	0.48	5.08	0.00	0.48
z	48.7	362.12	35.26	19.09	0.19	5.10	1.37	0.30
Probe	I Surface De Overall Len Body Diame							
Tip Le		anat						
	ameter							
	The second se	or X Calibratio	n Point					
Probe	Tip to Sens	or Y Calibratio	n Point					
Probe	Tip to Sens	or Z Calibratio	n Point					
Daaa	mended M	asurement Di	stance from	Surface				

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EX3DV4 - SN:3879

January 26, 2023

Parameters of Probe: EX3DV4 - SN:3879

Calibration Parameter Determined in Head Tissue Simulating Media

f (MHz) ^C	Relative Permittivity ^F	Conductivity ^F (S/m)	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^Q (mm)	Unc (k = 2)
450	43.5	0.87	10.28	10.28	10.28	0.16	1.30	±13.3%
600	42.7	0.88	10.19	10.19	10.19	0.10	1.25	±13.3%
750	41.9	0.89	9.85	9.85	9.85	0.45	0.92	±12.0%
835	41.5	0.90	9.52	9.52	9.52	0.51	0.81	±12.0%
900	41.5	0.97	9.45	9.45	9.45	0.37	0.96	±12.0%
1750	40.1	1.37	8.53	8.53	8.53	0.29	0.86	±12.0%
1900	40.0	1.40	8.15	8.15	8.15	0.37	0.86	±12.0%
1950	40.0	1.40	7.86	7.86	7.86	0.34	0.86	±12.0%
2450	39.2	1.80	7.42	7.42	7.42	0.32	0.90	±12.0%
2600	39.0	1.96	7.18	7,18	7.18	0.39	0.90	±12.0%
5200	36.0	4.66	4.99	4.99	4.99	0.40	1.80	±14.0%
5300	35.9	4.76	4.89	4.89	4.89	0.40	1.80	±14.0%
5500	35.6	4.96	4.77	4,77	4.77	0.40	1.80	±14.0%
5600	35.5	5.07	4.63	4.63	4.63	0.40	1.80	±14.0%
5800	35.3	5.27	4.64	4.64	4,64	0.40	1.80	±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 assessed at 5 MHz is 4–9 MHz, and ConvF assessed at 30 MHz ris 4–9 MHz, Above 56 GHz requency validity can be extended to ±110 MHz.
The probes are calibrated using fissue simulating liquids (TSL) that deviate for r and or by less than ±5% from the target values (typically before than ±3%) for 0.7 - 3 GHz requencies are 0.1% or 55.

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

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EX3DV4 - SN:3879

January 26, 2023

Parameters of Probe: EX3DV4 - SN:3879

Calibration Parameter Determined in Head Tissue Simulating Media

f (MHz) ^C	Relative Permittivity ^F	Conductivity ^F (S/m)	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc (k = 2)
6500	34.5	6.07	5.15	5.15	5.15	0.20	2.50	±18.6%

^G Frequency validity at 6.5 GHz is -600/+700 MHz, and ±700 MHz at or above 7 GHz. The uncertainty is the RSS of the ConvF uncertainty at calibration

tequency and the uncertainty for the indicated frequency band. ⁷ The probes are calibrated using tissue simulating figured (TSL) that deviate for *c* and *o* by less than ±10% from the target values (typically botter than ±5%) and are valid for TSL with deviations of up to ±10%. ⁹ 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 traquencies below 3 GHz, below ±2% for troquencies between 3–6 GHz, and below ±4% for trequencies between 5–10 GHz at any distance larger than half the probe tip clameter from the boundary.

Certificate No: EX-3879_Jan23

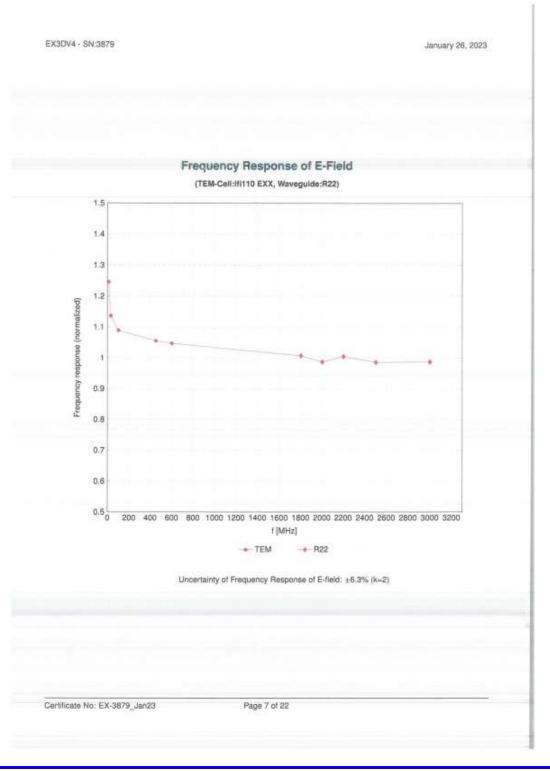
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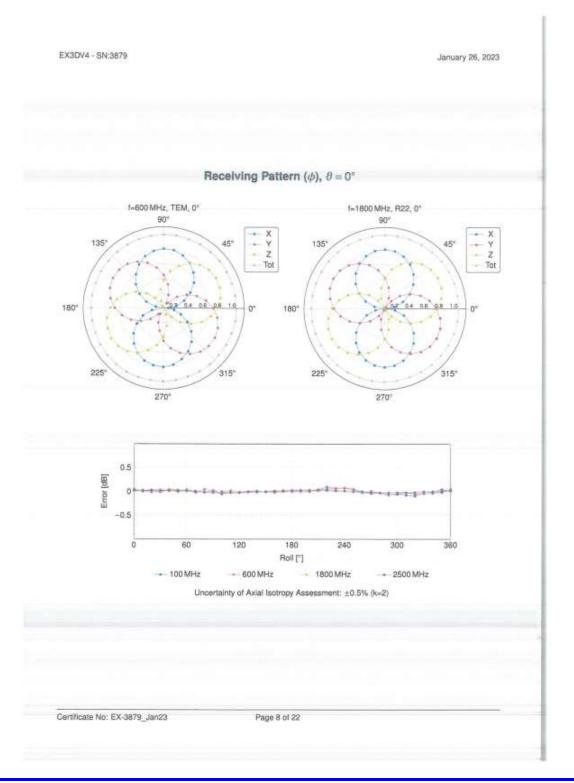


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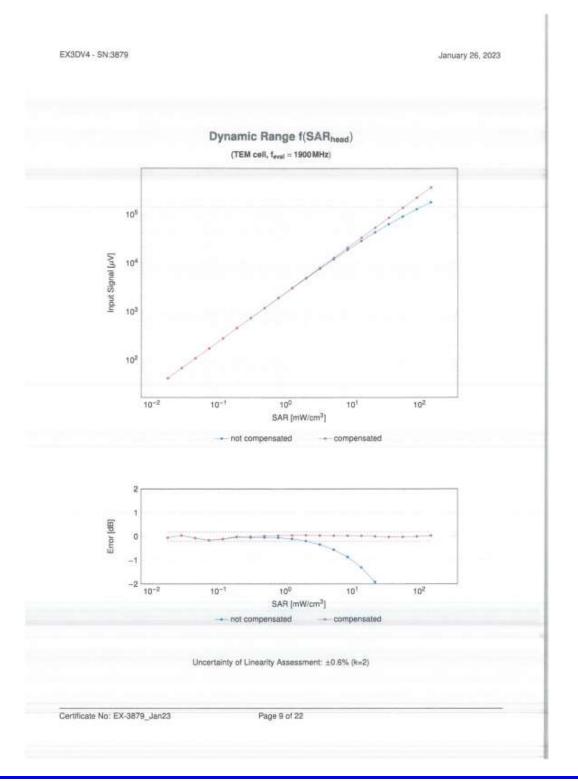


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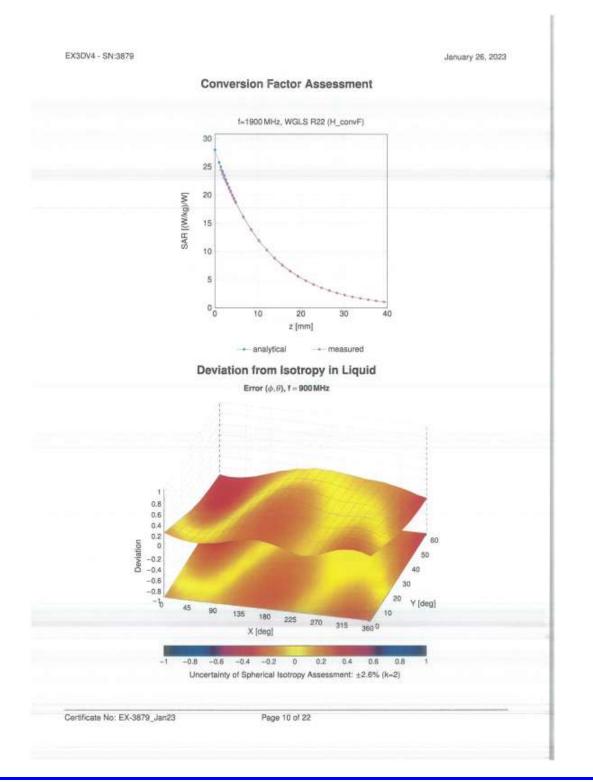


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January 26, 2023



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EX3DV4	- SN:3879	

Appendix: Modulation Calibration Parameters

	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k = 2
0	1	CW	CW	0.00	±4.7.
0010	CAB	SAR Validation (Square, 100 ma, 10 ma)	Test	10.00	29.6
10011	CAC	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	±9.0
10021	DAC	GSM-FDD (TDMA, GMSK)	GSM	9.39	±9.6
10623	DAC	GPRS-FDD (TDMA, GMSK, TN 0)	GSM	9.57	±9.6
10024	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	GSM	6.56	±0.6
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-FDO (TOMA, GMSK, TN 0-1-2-3)	GSM	3.55	:19.6
10029	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	GSM	7.78	2.9.6
10030	CAA	IEEE 802.15.1 Bluetooth (GF5K, DH1)	Bluetooth	5.30	±9.6
10031	CAA	IEEE 802.15.1 Buetooth (GFSK, DH3)	Bluetooth	1.87	+9.6
10032	CAA	IEEE 802 15 1 Bluetooth (GFSK, DH5)	Riustooth	1.16	+9.6
10033	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	Bluetooth	7.74	±9.5
10034	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	Bluetooth	4.53	±9.6
10035	CAA	IEEE 802.15.1 Buetooth (PI/4-DQPSK, DH5)	Bluetooth	3.83	19.6
10036	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	Bluetooth	8.01	19.6
10037	CAA	IEEE 802.15.1 Buetooth (8-DPSK, DH3)	Bluetooth	4.77	±9.6 ±9.6
10038	CAA	IEEE 802.15.1 Bluetooth (8-OPSK, DH5)			
10038	CAB	CDMA2000 (1xRTT, RC1)	Bluetooth	4.10	:9.6
10042	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)	CDMA2000	1.000	±9.5
10042	CAA		AMPS	7.78	±9.6
10048		IS 91/EIA/TIA-553 FDO (FDMA, FM)	AMPS	0.00	19.5
10048	CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	DECT	13.80	±9.6
		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
10.059	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	19.6
10061	CAB	IEEE 802.11b WIFi 2.4 GHz (OSSS, 11 Mbps)	WLAN	3.60	19.6
10062	CAD	IEEE 802.11a/h WIFI 5 GHz (OFDM, 6 Mbps)	WLAN	8.68	19.6
10063	CAD	IEEE 802.11a/h WIFI 5 GHz (OFDM, 9 Mbps)	WLAN	8.63	±9.6
10064	CAD	IEEE 802.11a/h WiFi 5 GHz (OFOM, 12 Mops)	WLAN	9.09	±9.6
10065	CAD	IEEE 802.11a/h WIFI 5 GHz (OFDM, 18 Mops)	WLAN	9.00	±9.6
10066	CAD	IEEE 802.11a/h WIFI 5 GHz (OFDM, 24 Mbps)	WLAN	9.38	±9.6
10067	CAD	IEEE 802.11a/h WIFI 5 GHz (OFDM, 36 Mbps)	WLAN	10.12	±9.6
10068	CAD	IEEE 802.11a/h WIFI 5 GHz (OFDM, 48 Mbps)	WLAN	10.24	±9.6
10069	CAD	IEEE 802.11a/h WIFi 5 GHz (OFDM, 54 Mbps)	WLAN	10.55	:19.6
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 Mops)	WLAN.	9.62	±9.6
10073	CAB	IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 18 Mbps)	WLAN	9.96	±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 Mbcs)	WLAN	10.77	+9.6
0076	CAB	IEEE 802.11g WIFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	WLAN	10.94	+9.6
0077	CAB	IEEE 802.11g WIF 2.4 GHz (DSSS/OFDM, 54 Mbps)	WLAN	11.00	19.6
0081	CAB	COMA2000 (1xRTT, RC3)	CDMA2000	3.97	+9.6
0.082	CAB	IS-54 / IS-136 FDD (TOMA/FDM, Pl/4-DQPSK, Fullrate)	AMPS	4.77	±9.6
0.000	DAG	GPRS-FDD (TDMA, OMSK, TN 0-4)	GSM	6.56	±9.6
0.097	CAC	UMTS-FDD (HSDPA)	WCDMA	3.98	±9.6 ±9.6
0098	CAC	UMTS-FDD (HSUPA, Subtest 2)		3.98	
10.099	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	WCDMA	3.98	±9.6
0.099	CAF		Securit		±9.6
and the second se	Contraction of the local sectors of the local secto	LTE-FDD (SC FDMA, 100% RB, 20 MHz, QPSK)	LTE-FDO	5.67	2.9.6
0101	CAF	LTE-FDD (SC-FDMA, 100% RB, 20MHz, 16-QAM)	LTE-FDO	6.42	±9.6
0102	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-FDD	£ 60	±9.6
0103	CAH	LTE-TDD (SC-FDMA, 100% RB, 20MHz, OPSK)	LTE-TDD	9.29	±9.6
0104	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-TDD	9.97	±9.8
0105	CAH	LTE-TDD (SC-FDMA, 100% RB, 20MHz, 64-QAM)	LTE-TOD	10.01	±9.6
	CAH	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-FDD	5,80	±9.6
80101	CAH	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 18-QAM)	LTE-FDD	6.43	±9.8
0109		LTE-FDD (SC-FDMA, 100% RB, 5MHz, QPSK)	LTE-FDD	5.75	19.6
	CAH	LTE-FOD (SC-FDMA, 100% RB, 5MHz, 16-QAM)	LTE-FDD	6.44	

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UID	Rev	Communication System Name	Group	PAR (dB)	$Unc^{E} k = 2$
0112	CAH	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-FOD	6.59	±9.6
0113	CAH	LTE-FDD (SC-FDMA, 100% RB, 5MHz, 64-QAM)	LTE-FOD	6.62	±9.6
0114	CAD	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	WLAN	8.10	±9.6
0115		IEEE 802.11n (HT Greenfield, 81 Mbps, 16-GAM)	WLAN	8.46	±9.6
0118		IEEE 802.11n (HT Greenfield, 135 Mbps. 64-QAM)	WLAN	8.15	±9.6
0117	CAD	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	WLAN	8.07	±9.6
0118	Charles and the second	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)	WLAN	8.59	±9.6
0119	CAD	IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)	WLAN	8.13	±9.6
0140		LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM) LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 54-QAM)	LTE-FDO LTE-FDD	6.49	±9.6 ±9.5
0142		LTE-FDD (SC-FDMA, 100% RB, 3MHz, QPSK)	LTE-FDD	5.73	19.6
0143	CAF	LTE-FDD (SC-FDMA, 100% RB, 3MHz, 16-QAM)	LTE-FOD	6.35	19.5
0144	CAF	LTE-FDD (SC-FDMA, 100% RB, 3MHz, 64-QAM)	LTE-FDD	8.65	±9.6
0145	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-F00	5.76	29.6
0146		LTE-FDD /SC-FDMA, 100% BB, 1.4 MHz, 16-QAMI	LTE-FDD	6.41	29.6
0147		LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.72	±9.6
0149	CAF	LTE-FDD (SC-FDMA, 50% R8, 20 MHz, 16-QAM)	LTE-FDO	8.42	19.6
0150	CAF	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-GAM)	LTE-FDO	6.60	±9.6
0151	CAH	LTE-TOD (SC-FOMA, 50% RB, 20 MHz, QPSK)	LTE-TDO	9,28	±9.6
0152	CAH	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-TOD	9.92	±9.6
0153	CAH	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-TDO	10.05	±9.6
0154	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-FDO	5.75	g9.6
0155	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 18-QAM)	LTE-FOO	6.43	±9.6
0156	CAH	LTE-FDD (SC-FDMA, 50% AB, 5 MHz, QPSK)	LTE-FDD	5.79	±9.6
0157	CAH	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-GAM)	LTE-FDO	6.49	29.6
0158	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-F00	6.62	:9.6
	CAF	LTE-FDD (SC-FDMA, 50% HB, 5 MHz, 64-QAM)	LTE-FDD LTE-FDD	5.56	:9.6
0160	CAF	LTE-F00 (SC-F0MA, 50% RB, 15MHz, QPSK) LTE-F00 (SC-F0MA, 50% RB, 15MHz, 16-QAM)	LTE-FDD	0.62	±9.6 ±9.6
0162	CAF	LTE-FDD (SC-FDMA, 50% RB, 15MHz, 64-QAM)	LTE-FDD	6.58	±9.6
0166	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-FOD	5.46	±9.6
0167	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-FOD	6.21	±9.6
0168	CAG	LTE-FDD (SC-FOMA, 50% FB, 1.4 MHz, 64-QAM)	LTE-FDD	6.79	±9.6
0169	CAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-FOD	5.73	±9.6
0170	CAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
0171	AAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 84-QAM)	LTE-FDD	6.49	±9.6
0172	CAH	LTE-TDD (SC-FDMA, 1 RB. 20 MHz, QPSK)	LTE-TDD	9.21	±9.6
0173	CAH	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 18-QAM)	LTE-TOD	9,48	±9.6
0374	CAH	LTE-TOD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-TOD	10,25	±9.6
0175	CAH	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-FDD	5.72	±9.6
0176	CAH	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE FDD	8.52	±9.6
0177	CAJ	LTE-FDD (SC-FDMA, 1 RB, 5MHz, QPSK)	LTE-FDD	5.73	#9.6
0178	CAH	LTE-FDD (SC-FDMA, 1 RB, SMHz, 16-QAM)	LTE-FOD	6.52	±9.6
0179	CAH	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM) LTE-FDD (SC-FDMA, 1 RB, 5MHz, 64-QAM)	LTE-FDD LTE-FDD	6.50	±9.6 ±9.6
0180	CAF	LTE-FDD (SC-FDMA, 1 RB, 15MHz, QPSK)	LTE-FOO	5.72	±9.6
0182	CAF	LTE-FDD (SC-FDMA, 1 RB, 15MHz, 15-QAM)	LTE-FDO	8.52	±9.6
0183	AAE	LTE-FDD (SC-FDMA, 1 RB, 15MHz, 64-QAW)	LTE-FDO	5.50	:9.6
0184	CAF	LTE-FDD (SC-FDMA, 1 RB, 3MHz, QPSK)	LTE-FDD	5.73	::9.6
0185	CAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-FDD	6.51	19.6
0186	AAF	LTE-FDD (SC-FDMA, 1 RB, 3MHz, 64-QAM)	LTE-FDD	6.50	±9.6
0187	CAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-FDD	5.73	主9.6
0188	CAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
0189	AAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-FDO	6.50	±9.8
E81.0	CAD	IEEE 802.11n (HT Greenheid, 6.5 Mbps, 8PSK)	WLAN	8.09	±9.6
0194	CAD	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-GAM)	WLAN	.8.12	±9.6
0195	CAD	IEEE 802.11n (HT Groonfield, 65 Mbps, 64-QAM)	WLAN	8.21	29.6
0196	CAD	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	WLAN WEAN	8.10	89.6 #9.6
0197	CAD	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM) IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	WLAN	8.13	#9.6 #9.6
0198	CAD	IEEE 802.11n (HT Mixed, 65 Mbps, 64-GAM) IEEE 802.11n (HT Mixed, 7.2 Mbps, 8PSK)	WEAN	8.03	29.6
0219	CAD	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	WLAN	8.13	±9.6
0220	CAD	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-GAM)	WEAN	8.27	29.6
0222	CAD	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	WLAN	8.06	29.6
0223	CAD	IEEE 802 11n (HT Mixed, 90 Mbps, 16 QAM)	WLAN	8.48	±9.6
0224	CAD	IEEE 802 11n (HT Mixed, 150 Mops, 64-QAM)	WLAN	8.08	±9.6
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0225	CAC	UMTS-FDD (HSPA+)	WCDMA	5.97	±9.6
0226	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.49	±9.6
0227	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-TOD	10.26	±9,6
0228	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSR)	LTE-TDD	9.22	±9.6
0229	CAE	LTE-TOD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-TOD	9.48	±9.6
0230	CAE	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-TOD	10.25	±9.6
0231	CAE	LTE-TOD (SC-FDMA, 1 R8, 3 MHz, QPSK)	LTE-TOD	9.19	±9.6
0232	CAH	LTE-TOD (SC-FDMA, 1 RB, 5MHz, 16-GAM)	LTE-TDD	9.48	±9.6
0233	CAH	LTE-TDD (SC-FDMA, 1 HB, 5 MHz, 64-QAM) LTE-TDD (SC FDMA, 1 HB, 5 MHz, QPSK)	LTE-TDD	10.25	19.6
0235	CAH	LTE-TOD (SC-FDMA, 1 R8, 10 MHz, 16-QAM)	LTE-TDO	9.21	0.01 ±9.0
0236	CAH	LTE-TDD (SC-FOMA, 1 RB, 10 MHz, 54-DAM)	LTE-TDD	10.25	19.6
0237	CAH	LTE-TOD (SC-FDMA, 1 RB, 10 MHz, GPSK)	LTE-TDD	9.21	±9.6
0238	CAG	LTE-TOD (SC-FDMA, 1 R8, 15 MHz, 16-QAM)	LTE-TOO	9.48	19.6
0239	CAG	LTE-TOD (BC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
0240	CAG	LTE-TDD (SC-FDMA, 1 RB, 15MHz, QPSK)	LTE-TDD	9.21	±9.6
0241	CAC	LTE-TOD (SC-FDMA, 50% R8, 1.4 MHz, 16-QAM)	LTE-TOD	9.82	±9.6
0242	CAC	LTE-TDD (SC-FDMA, 60% R8, 1.4 MHz, 64-QAM)	LTE-TOD	9.86	±9.6
0243	CAC	LTE-TOD (SC-FDMA, 50% HB, 1.4 MHz, QPSK)	LTE-TOD	9.46	±9.6
0244	CAE	LTE-TDD (SC-FDMA, 50% R8, 3 MHz, 16-QAM)	LTE-TOD	10.06	±9.6
0245	CAE	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-TOD	10.06	±9.6
0248	CAE	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-TOD	9.30	±9.6
0247	CAH	LTE-TOD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-TDD	9.91	±9.6
0248	CAH	LTE-TDD (SC-FDMA, 50% R8, 5 MHz, 64-QAM) LTE-TDD (SC-FDMA, 50% R8, 5 MHz, QPSK)	LTE-TDD	10.09	±9.6
0250	CAH	LTE-TOD (SC-FDMA, 50% R8, 5 MHz, GFGR)	LTE-TDD	9.29 9.81	19.6 19.8
0251	CAH	LTE-TOD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-TDD	10.17	±0.0 ±0.6
0252	CAH	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-TDD	9.24	±9.6
0253	CAG	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-TDD	9.90	±9.0
0254	CAG	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-TDD	10.14	±9.6
0255	CAG	LTE-TOD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-TDD	9.20	±9.6
0256	CAC	LTE-TOD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-TOD	9.96	±9.6
0257	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 54-QAM)	LTE-TOD	10.08	±9.6
0258	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-TOD	9.34	±9.6
0259	CAE	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-TD0	9.98	±9.6
0260	CAE	LTE-TOD (SC-FDMA, 100% RB, 3 MHz, 64 QAM)	LTE-TOD	9.97	±9.6
0261	CAE	LTE-TDD (SC-FDMA, 100% AB, 3 MHz, CPSK)	LTE-TDD	9.24	19.6
0262	CAH	LTE-TDD (SC-FDMA, 100% RB, 5MHz, 19-QAM) LTE-TDD (SC-FDMA, 100% RB, 5MHz, 64-QAM)	LTE-TOD	10.16	±9.6 ±9.6
0264	CAH	LTE-TDD (SC-FDMA, 100% RB, SMHz, QPSK)	LTE-TOD	9.23	19.6
0265	CAH	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-TDD	9.92	±9.8
0266	CAH	LTE-TOD (SC-FDMA, 100% RB, 10 MHz, 54-QAM)	LTE-TOO	10.07	±9.6
0267	CAH	LTE-TDD (SC-FDMA, 100% R8, 10 MHz, QPSK)	LTE-TOD	9.30	±9.6
0268	CAG	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-TOD	10.06	±9.6
0269	CAG	LTE-TOD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-TDD	10.13	±9.6
0270	CAG	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-TDD	9.58	±9.6
0274	CAC	UMTS-FDD (HSUPA, Sublest 5, 3GPP Rei8.10)	WCDMA	4.87	±9.8
0275	CAC	UMTS-FOD (HSUPA, Subtest 5, 3GPP Rel8.4)	WCDMA PHS	3.96	±9.6
0277	CAA	PHS (QPSK) PHS (QPSK, BW 884 MHz, Roloff 0.5)	PHS	11.81 11.81	±9.6 ±9.6
0278	CAA	PHS (QPSK, BW 884 MHz, Hototr 0.5) PHS (QPSK, BW 884 MHz, Roloff 0.38)	PHS	12.18	±9.6
0290	AAB	CDMA2000, RC1, SD55, Full Rate	CDMA2000	3.91	19.6
0291	AAB	CDMA2000, RC3, SO55, Full Rete	CDMA2000	3,46	19.6
0292	AAB	CDMA2000, RC3, SO32, Full Rate	CDMA2000	3.39	±9.6
0293	AAB	CDMA2000, RC3, SO3, Full Rate	CDMA2000	3.60	19.6
0.295	AAB	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	CDMA2000	12,49	±9.6
0297	AAE	LTE-FDD (SC-FDMA, 50% R8, 20 MHz, QPSK)	LTE-FDD	.5.81	±9.6
0298	AAE	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, GPSK)	LTE-FDD	8.72	±9.6
0299	AAE	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-DAM)	LTE-FDD	6.39	±9.6
0300	AAE	LTE-FOD (SC-FOMA, 50% RB, 3 MHz, 64 QAM)	LTE-FDD	9.60	±9.6
0301	AAA	IEEE 802 16e WMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC) IEEE 802 16e WMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC, 3 CTRL symbols)	WMAX	12.03	±9.6 ±9.6
0302	AAA	IEEE 802 168 WIMAX (29.18, 5 ms, 10 MHz, QPSK, PUSC, 3 CTHL symbols) IEEE 802.16e WIMAX (31:15, 5 ms, 10 MHz, 64QAM, PUSC)	WMAX	12.57	±9.6 ±9.6
0304	AAA	IEEE 802 166 WMAX (2115, 5m), 10 MHz, 64QAM, PUSC)	WMAX	12.52	19.6
	AAA	IEEE 802 16e WMAA (2016, 5 m), 10 MHz, 640AM, PUSC 15 symbols	WMAX	15.24	19.6
	AAA	IEEE 802 16e WMAX (29 18, 10 ms, 10 MHz, 64QAM, PUSC, 18 symbols)	WIMAX	14.67	19.6
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UID	Rev	Communication System Name	Group	PAR (dB)	$Unc^{II} h = 2$
10367	AAA	IEEE 802.15e WIMAX (29:18, 10 ms, 10 MHz, QPSK, PUSC, 18 symbols)	WMAX	14.49	±9.6
10308	AAA	IEEE 802.16e WIMAX (29:18, 10 ms, 10 MHz, 16QAM, PUSG)	WMAX	14.46	±9.6
10309	AAA	IEEE 802.15e WIMAX (29:18, 10 ms, 10 MHz, 16QAM, AMC 2x3, 18 symbols)	WMAX	14,58	±9.6
10310	AAA	IEEE 802.16e WIMAX (29:18, 10 ms, 10 MHz, QPSK, AMC 2x3, 18 symbols)	WMAX	14.57	±9.6
10311	AAE	LTE-FDD (SC-FDMA, 100% RB. 15MHz, QPSK)	LTE-FDD	6.06	±9.6
0313	AAA	DEN 13	IDEN	10.51	±9.6
10314	AAB	DEN 1.6	IDEN	13.48	19.6
0316	AAB	IEEE 802 11b WIFI 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)	WLAN	1,71	±9.6
0317	AAD	IEEE 802 11g WIFI 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle) IEEE 802 11s WIFI 5 GHz (OFDM, 6 Mbps, 98pc duty cycle)	WLAN	8.36	±9.0
0352	AAA	Pulse Wavelorm (200Hz, 10%)	WLAN	8.38	29.6
0353	AAA	Pulse Waveform (200Hz, 20%)	Generic Generic	10.00	±9.6 ±9.6
0354		Pulse Waveform (200Hz, 40%)	Generic	3.98	19.6
0355	AAA	Pulse Waveform (200Hz, 60%)	Generic	2.22	±9.0 ±9.0
0356	AAA	Pulse Waveform (200Hz, 80%)	Generic	0.97	±9.6
0387	AAA	QPSK Waveform, 1 MHz	Generic	5.10	±9.6
0388	AAA	GPSK Wavpform, 10 MHz	Generic	5.22	±9.6
0396	AAA	54-QAM Waveform, 100 kHz	Generic	6.27	29.6
0399	AAA	54-QAM Waveform, 40 MHz	Generic	5.27	±9.6
0400	AAE	IEEE 802.11ac WiFi (20 MHz, 64-QAM, 9/9pc duty cycle)	WLAN	8.37	±9.6
0401	AAE	IEEE 802.11ac WIFI (40 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.60	29.6
0402	AAE	IEEE 802.11ac WIFI (80 MHz, 64-GAM, 99pc duty cycle)	WLAN	8.53	3,9.6
0403	AAB	CDMA2000 (1xEV-DO, Rev. 0)	CDMA2000	3.76	±9.6
0404	AAB	CDMA2000 (1xEV-DO, Rev. A)	CDMA2000	3.77	19.6
0406	AAB	CDMA2000, RC3, SC32, SCH0, Full Rate	CDMA2000	5.22	±9.6
0410	AAH	LTE-TDD (SC-FDMA, 1 RB. 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9, Subframe Conte4)	LTE-TDD	7.82	±9.6
0414	AAA	WLAN CCDF, 64-DAM, 40 MHz	Generic	.8.54	±8.6
0415	AAA AAA	IEEE 802.11b WIFI 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle) IEEE 802.11g WIFI 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle)	WLAN	1.54	±9.6
0410	AAG	IEEE 802.11wh WIFI 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	±9.6
0418	AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preambule)	WLAN	8.23	19.6
0419		IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, slipe duty cycle, Long preambule)	WLAN	8.14	19.6
0.423		IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	WLAN	8.19	±9.6 ±9.6
0423	AAC	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 18-QAM)	WLAN	8.47	±9.6
0424		IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	WEAN	8.40	19.6
0.425	AAC	IEEE 802.11n (HT Greenfield, 15 Mops, BPSK)	WLAN	8.41	19.6
0426	AAC	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	WLAN	8.45	19.6
0427	AAC	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	WLAN	8.41	±9.8
0430	AAE	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	LTE-FDD	8.28	±9.6
0.431	AAE	LTE-FDD (OFDMA, 10 MHz; E-TM 3.1)	LTE-FDO	8.38	±9.6
0.432	AAD	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	LTE-FOD	8.34	±9.0
0433	AAD	LTE-FOD (OFDMA, 20 MHz, E-TM 3.1)	LTE-FDD	8.34	±9.6
0434	RAA	W-CDMA (BS Test Model 1, 64 DPCH)	WCDMA	8.60	±9.6
0435	AAG	LTE-TOD (SC-FOMA, 1 RB, 20MHz, OPSK, UL Subframe=2.3,4,7,8,9)	LTE-TOD	7.82	.≘9.6
0447	AAE	I.TE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.56	±9.6
0448	AAE	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)	LTE-FDD	7.53	±9.6
0449	AAD AAD	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%)	LTE-FDD	7.51	±9.8
0450	AAB	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.48	±9.6
0453	AAE	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%) Validation (Square, 10 ms, 1 ms)	WCDMA	7.59	±9.6
0455	AAG	Verdation (square, 10 ms, 1 ms) IEEE 802.11ac WFi (160 MHz, 54-QAM, 99pc duty cycle)	Test WLAN	10.00	±9.6
0.457	AAB	UMTS-FDD (DC-HSDPA)	WCDMA	8.63	±9.6 ±9.6
0.458	AAA	CDMA2000 (1xEV-DO, Rev. B. 2 carriers)	CDMA2000	5.55	19.0 19.0
0.459	AAA	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	CDMA2000	8.25	±9.6
0.460	AAB	UMTS FDD (WCDMA, AMR)	WCDMA	2.39	±9.0
0.461	AAC	LTE-TOD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2.3,4,7,8,9)	LTE-TOO	7.82	:9.8
9462	AAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-DAM, UL Subframe=2.3.4,7.8.9)	LTE-TOO	8.30	+9.6
0463	AAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64 QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.56	±9.6
0464	AAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	:9.6
	AAD	LTE-TDD (SC-FDMA, 1 RB. 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.32	#9.6
		LTE-TDD (SC-FDMA, 1 RB, 3MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.57	±9.6
0467		LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subliame=2,3,4,7,8.9)	LTE-TOD	7,82	±9.6
0468		LTE-TDD (SC-FDMA, 1 RB, 5MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.32	±9.6
0469	AAG	LTE-TDD (SC-FDMA, 1 R8, 5MHz, 64-GAM, UL Subframe-2,3,4,7,8,9)	LTE-TOD	8,56	±9.6
0470	AAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TOD	7.82	±9.6
0.471	AAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.32	±8.6
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9/73 APF UTE: TDD (aC PDMA, TER. 15464; 1 GAU, U. Budrame-23,47,89) UTE: TDD 7.22 e3.83 9/75 APF UTE: TDD (aC PDMA, TER. 15464; 1 GAU, U. Budrame-23,47,89) UTE: TDD 8.32 e3.84 9/75 APF UTE: TDD (aC PDMA, TER. 15464; 1 GAU, U. Budrame-23,47,89) UTE: TDD 8.32 e3.84 9/75 APF UTE: TDD (aC PDMA, TER. 2546; 4 GAU, U. Budrame-23,47,89) UTE: TDD 8.32 e3.84 9/76 AV UTE: TDD (aC PDMA, SOR BR, 1 4446; 9 GAU, U. Budrame-23,47,89) UTE: TDD 8.45 e3.86 9/86 AV UTE: TDD (aC PDMA, SOR BR, 1 4446; 9 GAU, U. Budrame-23,47,89) UTE: TDD 8.45 e3.86 9/86 AV UTE: TDD (aC PDMA, SOR BR, 1 4446; 4 GAU, U. Budrame-23,47,89) UTE: TDD 8.45 e3.86 9/86 AV UTE: TDD (aC PDMA, SOR BR, 1 3446; 4 GAU, U. Budrame-23,47,89) UTE: TDD 8.45 e3.86 9/87 UTE: TDD (aC PDMA, SOR BR, 1 3446; CPRK, U. Budrame-23,47,89) UTE: TDD 8.47 e3.86 9/87 UTE: TDD (aC PDMA, SOR BR, 1 3446; CPRK, U. Budrame-23,47,89) UTE: TDD 8.47	UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k = 2
9/24 AMP LTE-TOD (G-DPAMA, THR, 15MML, G-DAM, UL, Subrame-2, 4,7,8,9) LTE-TOD 8,57 e38 9/27 AMP LTE-TOD (G-DPAMA, THR, 15MML, G-DAM, UL, Subrame-2,3,4,7,8,9) LTE-TOD 8,57 e38 9/27 AMA LTE-TOD (G-DPAMA, TBR, 20MML, 16,40ML, UL, Subrame-2,3,4,7,8,9) LTE-TOD 8,57 e38 9/21 AMA LTE-TOD (G-DPAMA, SON RB, 1,4MML, 16/2ML, UL, Subrame-2,3,4,7,8,9) LTE-TOD 8,18 e38 9/21 AMA LTE-TOD (G-DPAMA, SON RB, 1,4MML, 16/2ML, UL, Subrame-2,3,4,7,8,9) LTE-TOD 8,18 e38 9/21 AMA LTE-TOD (G-DPAMA, SON RB, 1,4MML, 16/2ML, UL, Subrame-2,3,4,7,8,9) LTE-TOD 8,34 e38 9/26 AMA LTE-TOD (G-DPAMA, SON RB, 3MML, 16/2ML, UL, Subrame-2,3,4,7,8,9) LTE-TOD 8,39 e36 9/26 AMA LTE-TOD (G-DPAMA, SON RB, 3MML, 16/2ML, UL, Subrame-2,3,4,7,8,9) LTE-TOD 8,39 e36 9/26 AMA LTE-TOD (G-DPAMA, SON RB, 3MML, 16/2ML, UL, Subrame-2,3,4,7,8,9) LTE-TOD 8,39 e36 9/26 AMA LTE-TOD (G-DPAMA, SON RB, 3MML, 16/2ML, UL, Subrame-2,3,4,7,8,9)	0472			LTE-TDD	8.57	
V175 AMF LTE TDD (GE FDMA, 1 FB, 15MA, 04 CAM, UE batrame-3,4.7.8.9) LTE TDD B.22 ±8.8 V17 AM LTE TDD (GE FDMA, 1 BB, 20MA; 05 CAM, UE batrame-3,4.7.8.9) LTE TDD B.32 ±8.8 V17 AM LTE TDD (GE FDMA, 1 BB, 20MA; 05 CAM, UE batrame-3,4.7.8.9) LTE TDD B.32 ±8.8 V16 AM LTE TDD (GE FDMA, 50% BB, 1 AMM; 16 CAM, UE batrame-2,4.7.8.9) LTE TDD B.43 ±3.9 V16 AM LTE TDD (GE FDMA, 50% BB, 1 AMM; 16 CAM, UE batrame-2,4.7.8.9) LTE TDD B.43 ±3.9 V16 AM LTE TDD (GE FDMA, 50% BB, 3 MH; 16 CAM, UE batrame-2,4.7.8.9) LTE TDD B.43 AM LTE TDD (GE FDMA, 50% BB, 3 MH; 16 CAM, UE batrame-2,4.7.8.9) LTE TDD B.30 ±3.6 V16 AM LTE TDD (GE FDMA, 50% BB, 5MH; 16 CAM, UE batrame-2,4.7.8.9) LTE TDD B.30 ±3.6 V16 AM LTE TDD (GE FDMA, 50% BB, 5MH; 16 CAM, UE batrame-2,4.7.8.9) LTE TDD B.30 ±3.6 V16 AM LTE TDD (GE FDMA, 50% BB, 5MH; 16 CAM, UE batrame-2,4.7.8.9) LTE TDD B.30 ±3.6 V16	- Children -			LTE-TDD	7.82	B,0±
1477 AAG LFE-TDD (45-CPMA, 1B, 20MA, 14-GAM, U.S. Barrame-2, 4.7, 8.9) LFE-TDD 6.477 147 AAG LFE-TDD (45-CPMA, 1B, 20MA, 14-GAM, U.S. Barrame-2, 3.4, 7, 8.9) LFE-TDD 7.74 4.86 147 AAC LFE-TDD (45-CPMA, 50K, RB, 14-Mb, 1C, 9K, U.S. Barrame-2, 3.4, 7, 8.9) LFE-TDD 8.74 4.86 148 AC LFE-TDD (45-CPMA, 50K, RB, 31ML, 19-CAM, U.S. Barrame-2, 3.4, 7, 8.9) LFE-TDD 8.74 4.86 149 AD LFE-TDD (45-CPMA, 50K, RB, 31ML, 19-CAM, U.S. Barrame-2, 3.4, 7, 8.9) LFE-TDD 8.74 4.86 149 AD LFE-TDD (45-CPMA, 50K, RB, 31ML, 19-CAM, U.S. Barrame-2, 3.4, 7, 8.9) LFE-TDD 8.74 4.86 140 LFE-TDD (45-CPMA, 50K, RB, 51ML, 10-CPM, U.S. Barrame-2, 3.4, 7, 8.9) LFE-TDD 8.26 4.75 1.75 7.90 2.86 148 AA LFE-TDD (45-CPMA, 50K, RB, 51ML, 10-CPA, U.S. Barrame-2, 3.4, 7, 8.9) LFE-TDD 8.39 2.86 148 AA LFE-TDD (45-CPMA, 50K, RB, 51ML, 51K, CAM, U.S. Barrame-2, 3.4, 7, 8.9) LFE-TDD 8.39 2.86 148 AA LFE-TDD (45-CPMA, 5						
Varill Add LTE TDD (SC PEMA, 1 BB, 2004AL, US 6207049-23, 47, 89) LTE TDD 6, 74 9, 85 Valid ACC LTE TDD (SC PEMA, 505; RB, 1 AMPL, 16-CAM, UL 5047084-23, 47, 89) LTE TDD 8, 85 9, 86 Valid ACC LTE TDD (SC PEMA, 505; RB, 1 AMPL, 16-CAM, UL 5047084-23, 47, 89) LTE TDD 8, 85 9, 86 Valid ACC LTE TDD (SC PEMA, 505; RB, 3 MHL, 64-CAM, UL 5047084-23, 47, 89) LTE TDD 8, 96 Valid ACC LTE TDD (SC PEMA, 505; RB, 3 MHL, 64-CAM, UL 5047084-23, 47, 89) LTE TDD 8, 96 Valid LTE TDD (SC PEMA, 505; RB, 5 MHL, 54-CAM, UL 5047084-23, 47, 89) LTE TDD 8, 96 9, 98 Valid LTE TDD (SC PEMA, 505; RB, 5 MHL, 54-CAM, UL 5047084-23, 47, 89) LTE TDD 8, 96 9, 98 9, 9				the second se		
9799 ACC LTE-TDD (SC PDMA, 59N; RB, 14 AMPL, 0PPK, LL Subtrame-23,47,8.9) LTE-TDD 574 8.98 941 ACC LTE-TDD (SC PDMA, 59N; RB, 14 AMPL, 0E-AML, LL Subtrame-23,47,8.9) LTE-TDD 7.74 8.98 941 ACC LTE-TDD (SC PDMA, 59N; RB, 14 AMPL, 0E-AML, LL Subtrame-23,47,8.9) LTE-TDD 7.74 8.98 940 AD LTE-TDD (SC PDMA, 59N; RB, 34ML; 0E-AML, LL Subtrame-23,47,8.9) LTE-TDD 8.47 9.98 9.99 9.90 9.99 9.90	-	and the second second				
1400 ACC LTF: TDD 6.18 2.98 141 ACC LTF: TDD 6.78 9.98 AD 1.75 7.71 9.86 1482 AD LTF: TDD 6.78 9.98 1.75 7.71 9.86 1482 AD LTF: TDD 6.76 9.87 9.87 9.87 1493 AD LTF: TDD 5.79 9.86 9.87 9.97 9.85 9.97 9.98 9.97 9.97 9.98 9.97 9.98 9.97 9.	and the second second			and the second se	1.	
141 Add LF TDD (SC PTMA, SDN RB, 3MAC, 10 - Add). U. Bultrame-2.3.47.8.9) LFE TDD 7.4 9.89 142 AD LFE TDD (SC PTMA, SDN RB, 3MAC, 10 - Add). U. Subtrame-2.3.47.8.9) LFE TDD 8.7 9.89 143 AD LFE TDD (SC PTMA, SDN, RB, 3MAC, 10 - Add). U. Subtrame-2.3.47.8.9) LFE TDD 8.7 9.89 144 AD LFE TDD (SC PTMA, SDN, RB, SMAC, 10 - Add). U. Subtrame-2.3.47.8.9) LFE TDD 8.7 9.8 145 AD LFE TDD (SC PTMA, SDN, RB, SMAC, 10 - Add). U. Subtrame-2.3.47.8.9) LFE TDD 7.7 9.8	A			the second s		
1948 AND 17E TOD 7.71 e98 1940 AU 17E TOD 5.74 e98 1941 AD 17E TOD 5.74 e98 1944 AD 17E TOD 5.74 e98 1944 AD 17E TOD 5.74 e98 1945 AD 17E TOD 5.74 e98 1946 AD 17E TOD 5.74 e98 1947 AD 17E TOD 5.76 e98 1947 AD 17E TOD 5.76 e88 e89 1948 AD 17E TOD 5.76 e88 e89 1940 AD 17E TOD 5.76 e88 e88 1940 AD 17E TOD 5.76 e88 e88 1940 AD 17E TOD 5.76 e88 e88 1944 17E TOD 5.76 8.87 8.91 11E TOD 7.4 e88 1946 AD <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td></td<>						
1493 Abol 1/TE-TDD (SC-PDMA, 50%-HB, 30M-L; 16-QAM, UL, Subhame-23, 47,8,8) 1/TE-TDD 8.47 1496 Abol 1/TE-TDD (SC-PDMA, 50%-HB, 30M-L; 60-QAM, UL, Subhame-23, 47,8,8) 1/TE-TDD 8.47 1495 Abol 1/TE-TDD (SC-PDMA, 50%-HB, 50M-L; 60-QAM, UL, Subhame-23, 47,8,8) 1/TE-TDD 8.86 2.98 1497 Abol 1/TE-TDD (SC-PDMA, 50%-HB, 50M-L; 60-QAM, UL, Subhame-23, 47,8,8) 1/TE-TDD 8.80 2.98 1497 Abol 1/TE-TDD (SC-PDMA, 50%-HB, 50M-L; 60-QAM, UL, Subhame-23, 47,7,8,9) 1/TE-TDD 7.70 2.98 1498 Abol 1/TE-TDD (SC-PDMA, 50%-HB, 50M-L; 60-QAM, UL, Subhame-23, 47,7,8,9) 1/TE-TDD 8.54 2.98 1490 Abol 1/TE-TDD (SC-PDMA, 50%-HB, 50M-L; 60-QAM, UL, Subhame-23, 47,7,8,9) 1/TE-TDD 8.64 2.98 1.98 2.98 1.98 1/TE-TDD 8.64 2.98 1.98 1.98 1/TE-TDD 8.64 1.98 1.98 1/TE-TDD	0.482			the second second second		
1444 AD UTE-TDD (SC-FDMA, 50%; RE, SMH2, 64-QAM, UL, Subframe-23, 47, 8.9) UTE-TDD 8.47 15.8 1466 AAO UTE-TDD (SC-FDMA, 50%; RE, SMH2, 16-QAM, UL, Subframe-23, 47, 8.9) UTE-TDD 8.38 5.8 1467 AAO UTE-TDD (SC-FDMA, 50%; RE, SMH2, 16-QAM, UL, Subframe-23, 47, 8.9) UTE-TDD 8.30 5.8 1478 AAO UTE-TDD (SC-FDMA, 50%; RE, 150M-42, QPSK, UL, Subframe-23, 47, 8.9) UTE-TDD 8.31 5.8 1480 AAO UTE-TDD (SC-FDMA, 50%; RE, 150M-42, QPSK, UL, Subframe-23, 47, 8.9) UTE-TDD 8.34 5.8 1490 AAO UTE-TDD (SC-FDMA, 50%; RE, 150M-42, QPSK, UL, Subframe-23, 47, 8.9) UTE-TDD 8.34 5.8 1491 AAF UTE-TDD (SC-FDMA, 50%; RE, 20M-42, QPSK, UL, Subframe-23, 47, 8.9) UTE-TDD 8.44 1.9 5.8 1492 AAF UTE-TDD (SC-FDMA, 50%; RE, 20M-42, QPSK, UL, Subframe-23, 47, 8.9) UTE-TDD 7.47 2.6 5.8 1494 AAD UTE-TDD (SC-FDMA, 50%; RE, 20M-44, QPSK, UL, Subframe-23, 47, 8.9) UTE-TDD 7.74 2.6 1496 AAO UTE-TDD (0.483	AAD				
1466 Add LTF.TDD (SC-FDMA, 50%; RE, SMH2, 16-QAM, UL Subfame-23, 47, 8.9) LTF.TDD 8.38 2.6.6 147 Add LTF.TDD (SC-FDMA, 50%; RE, SMH2, 16-QAM, UL Subfame-23, 47, 8.9) LTF.TDD 7.70 2.9.8 148 Add LTF.TDD (SC-FDMA, 50%; RE, SMH2, 16-QAM, UL Subfame-23, 47, 8.9) LTF.TDD 8.31 1.9.8 149 Add LTF.TDD (SC-FDMA, 50%; RE, 15MH2, 16-QAM, UL Subfame-23, 47, 8.9) LTF.TDD 8.34 2.9.8 140 AAS LTF.TDD (SC-FDMA, 50%; RE, 15MH2, 16-QAM, UL Subfame-23, 47, 8.9) LTF.TDD 8.44 2.9.8 142 AF LTF.TDD (SC-FDMA, 50%; RE, 15MH2, 16-QAM, UL Subfame-23, 47, 8.9) LTF.TDD 8.45 2.9.8 142 AF LTF.TDD (SC-FDMA, 50%; RE, 15MH2, 16-QAM, UL Subfame-23, 47, 8.9) LTF.TDD 8.47 2.9.8 143 AF LTF.TDD (SC-FDMA, 50%; RE, 15MH2, 16-QAM, UL Subfame-23, 47, 8.9) LTF.TDD 8.47 2.9.8 144 AG LTF.TDD (SC-FDMA, 100%; RE, 14MH2, 9C-QAM, UL Subfame-23, 47, 8.9) LTF.TDD 8.42 2.9.6 147 AG LTF.TDD (SC-FDMA, 100%; RE, 14MH2, 9C-QAM, UL Subfame-23, 47,	0.484	AAD	LTE-TOD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)			
1487 Ado LTE-TDD 8.60 ± 6.6 148 Ado LTE-TDD 6.70 A.005 8.10 A.01 1.75 TOD 7.70 ± 5.8 148 Ado LTE-TDD 6.70 A.055 8.10 A.01 1.75 TOD 6.31 ± 5.8 149 Ado LTE-TDD 6.70 A.055 8.74 A.93 1.75 TOD 6.34 ± 5.8 140 AAE LTE-TDD 6.75 A.955 8.74 B.93 1.75 TOD 6.74 A.95 1.75 TOD 6.74 A.95 1.75 TOD 6.75 A.95 ± 5.8 1.75 TOD 6.75 A.95 1.75 TOD 6.75 A.95 1.75 TOD 5.8 A.95 1.75 TOD 6.8 A.95 1.75 TOD 6.8 A.95 1.95 A.95 1.15 TOD 6.7 A.95 1.15 TOD 7.7 A 1.8 B 1.95 A.95 1.15 TOD 7.7 A 1.8 B 1.95 A.95 1.15 TOD 7.7 A<	0.485	AAG	LTE-TDD (SC-FDMA, 50% RB, 5MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TOD	7.59	
1488 Add LTE-TDD (3C-FDMA, Styr, BR, 10MHz, QHSK, LU, Subfamme-2,3,4,7,8,9) LTE-TDD 7.70 4.5.6 1490 Add LTE-TDD (SC-FDMA, Styr, BR, 10MHz, 16-ZMA, LU, Subfamme-2,3,4,7,8,9) LTE-TDD 8.5.1 4.5.6 1491 Add LTE-TDD (SC-FDMA, Styr, BR, 15MHz, 16-ZMA, LU, Subfamme-2,3,4,7,8,9) LTE-TDD 8.5.1 4.5.6 1492 Adf LTE-TDD (SC-FDMA, Styr, BR, 15MHz, 16-ZMA, LU, Subfamme-2,3,4,7,8,9) LTE-TDD 8.5.1 4.5.6 1493 Adf LTE-TDD (SC-FDMA, Styr, BR, 15MHz, 16-ZMA, LU, Subfamme-2,3,4,7,8,9) LTE-TDD 8.5.1 4.5.6 1494 Adi LTE-TDD (SC-FDMA, Styr, BR, 20MHz, 16-ZMA, LU, Subfamme-2,3,4,7,8,9) LTE-TDD 8.5.1 4.5.6 1495 Add LTE-TDD (SC-FDMA, Styr, BR, 14MHz, 024KJ, LU, Subfamme-2,3,4,7,8,9) LTE-TDD 8.6.1 4.5.6 1496 Add LTE-TDD (SC-FDMA, 1005r, BR, 14MHz, 16-ZMA, LU, Subfamme-2,3,4,7,8,9) LTE-TDD 8.6.1 4.5.6 1497 Add LTE-TDD (SC-FDMA, 1005r, BR, 14MHz, 16-ZMA, LU, Subfamme-2,3,4,7,8,9) LTE-TDD 8.6 4.5.6 1498 Add LTE-TDD (SC-F	0.486	and the second se	and the second se	LTE-TDD	8.38	±9.6
1499 AND LTE-TDD (3C-FDMA, 30% RB, 10M-84, 16-GAM, LLS, bit mame-23, 4, 7, 8); LTE-TDD 8.31 1.83 1401 AAZ LTE-TDD (3C-FDMA, 50% RB, 15M-84, GPGMA, LLS, bit mame-23, 4, 7, 8); LTE-TDD 7.74 1.85 1402 AAZ LTE-TDD (3C-FDMA, 50% RB, 15M-84, 16-GAM, LLS, bit mame-23, 4, 7, 8); LTE-TDD 8.41 1.85 1402 AAZ LTE-TDD (3C-FDMA, 50% RB, 15M-84, 16-GAM, LLS, bit mame-23, 4, 7, 8); LTE-TDD 8.41 1.95 1404 AAZ LTE-TDD (3C-FDMA, 50% RB, 20M-84, 16-GAM, LLS, bit mame-23, 4, 7, 8); LTE-TDD 8.41 1.95 1406 AAU LTE-TDD (3C-FDMA, 50% RB, 20M-84, 16-GAM, LLS, bit mame-23, 4, 7, 8); LTE-TDD 8.41 1.95 1406 AAU LTE-TDD (3C-FDMA, 100% RB, 1, AM-84, 16-GAM, LLS, bit mame-23, 4, 7, 8); LTE-TDD 8.40 1.95 1406 AAC LTE-TDD (3C-FDMA, 100% RB, 1, AM-84, 16-GAM, LLS, bit mame-23, 4, 7, 8); LTE-TDD 8.40 1.95 1400 LTE-TDD (3C-FDMA, 100% RB, 3, M42, GPSK, LLS, bit mame-23, 4, 7, 8); LTE-TDD 8.40 1.95 1406 AAU LTE-TDD (3C-FDMA, 100% RB, 3, M42,	1 million	and the second is		the second se	and the second se	
1400 Add LTE TDD (3C-PDMA, 30% RB, 10 MPK, 94-GAM, UL Subframe-23,47,8,9) LTE TDD 2.5.4 1410 AAF LTE TDD (3C-PDMA, 50% RB, 15 MPK, 16 GAM, UL Subframe-23,47,8,9) LTE TDD 8.5.4 1420 AAF LTE TDD (3C-PDMA, 50% RB, 15 MPK, 16 GAM, UL Subframe-23,47,8,9) LTE TDD 8.5.4 1420 AAF LTE TDD (3C-PDMA, 50% RB, 15 MPK, 16 GAM, UL Subframe-23,47,8,9) LTE TDD 8.5.4 1426 AAG LTE TDD (3C-PDMA, 50% RB, 20 MPK, 16 GAM, UL Subframe-23,47,8,9) LTE TDD 8.54 1426 AAG LTE TDD (3C-PDMA, 50% RB, 20 MPK, 16 GAM, UL Subframe-23,47,8,9) LTE TDD 8.54 1426 AAG LTE TDD (3C-PDMA, 100% RB, 14 MPK, 02 GAM, LU Subframe-23,47,8,9) LTE TDD 8.64 1427 LTE TDD (3C-PDMA, 100% RB, 14 MPK, 16 GAM, LU Subframe-23,47,8,9) LTE TDD 8.64 1428 AAG LTE TDD (3C-PDMA, 100% RB, 14 MPK, 16 GAM, LU Subframe-23,47,8,9) LTE TDD 8.64 1429 AAD LTE TDD (3C-PDMA, 100% RB, 14 MPK, 9C-PMA, UL Subframe-23,47,8,9) LTE TDD 8.64 1439 AAD LTE TDD (3C-PDMA, 100% RB, 14 MPK, 9C-PMA, UL Subframe-23,47,8,9)						
1911 AME LTE-TDD 774 195 1921 AME LTE-TDD CFDD 8.41 4.28 1942 AME LTE-TDD (GC-FDMA, 50%, RB, SHR, 16, CMA, ULS, Subtrame-2, 3, 4, 7, 8, 9) LTE-TDD 8.45 1946 AAD LTE-TDD (SC-FDMA, 50%, RB, SHR, 16, CMA, ULS, Subtrame-2, 3, 4, 7, 8, 9) LTE-TDD 8.37 4.26 1946 AAD LTE-TDD (SC-FDMA, 50%, RB, 20 MHz, 16 QAM, ULS, Subtrame-2, 3, 4, 7, 8, 9) LTE-TDD 8.54 1.26 1946 AAD LTE-TDD (SC-FDMA, 50%, RB, 10 MHz, 16 QAM, ULS, Subtrame-2, 3, 4, 7, 8, 9) LTE-TDD 8.54 1.26 1947 AAC LTE-TDD (SC-FDMA, 100%, RB, 14 MHz, 16 QAM, ULS, Subtrame-2, 3, 4, 7, 8, 9) LTE-TDD 8.40 1.45 1948 AAC LTE-TDD (SC-FDMA, 100%, RB, 14 MHz, 16 QAM, ULS, Subtrame-2, 3, 4, 7, 8, 9) LTE-TDD 8.40 1.45 1.45 1.45 1.45 1.45 1.45 1.45 1.45 1.45 1.46 1.45 1.45 1.45 1.45 1.45 1.45 1.45 1.45 1.45 1.45 1.45						and the second se
1962 AMF LTE TDD 50.41 10.50 51.41 10.50 51.41 10.50 51.41 10.50 55.51 10.50 55.51 10.50 10.55 10.50 10.55 10.50 10.55 10.50 10.55 10.50 10.55 10.50 10.55 10.50 10.55 10.50 10.55 10.50 10.55 10.50 10.55						
1483 AFE ITE-TDD 05.65 1.98 1494 AAG LITE-TDD 150-FDMA, 50% RB, 20Meta, GPSK, UL Subtame-2,3,4,7,8,91 LITE-TDD 7,74 19.6 1496 AAG LITE-TDD 150-FDMA, 50% RB, 20Meta, 16-QAM, UL Subtame-2,3,4,7,8,91 LITE-TDD 8,84 1.95 1496 AAG LITE-TDD 150-FDMA, 50% RB, 20Meta, 16-QAM, UL Subtame-2,3,4,7,8,91 LITE-TDD 8,84 1.95 1498 AAC LITE-TDD 150-FDMA, 100% RB, 1.4Meta, 16-QAM, LU, Subtame-2,3,4,7,8,91 LITE-TDD 8,40 1.96 1499 AAC LITE-TDD 150-FDMA, 100% RB, 3.Meta, 6PGAM, LU, Subtame-2,3,4,7,8,91 LITE-TDD 8,40 1.96 1501 AAD LITE-TDD 150-FDMA, 100% RB, 3.Meta, 6PGAM, LU, Subtame-2,3,4,7,8,91 LITE-TDD 7,87 1.96 1501 AAD LITE-TDD 150-FDMA, 100% RB, 3.Meta, 6PGAM, LU, Subtame-2,3,4,7,8,91 LITE-TDD 7,87 1.98 1501 AAD LITE-TDD 150-FDMA, 100% RB, 3.Meta, 6PGAM, LU, Subtame-2,3,4,7,8,91 LITE-TDD 7,72 1.98 1506	the second s					
1494 AAG LTE-TDD (SC-FDMA, 50% RB, 20Metz, GPSK, UL Subtame-2,3,4,7,8,9) LTE-TDD 7,74 136 1496 AAG LTE-TDD (SC-FDMA, 50% RB, 20Metz, 16-CAM, UL Subtame-2,3,4,7,8,9) LTE-TDD 8,54 19,6 1496 AAG LTE-TDD (SC-FDMA, 50% RB, 20Metz, 64-OAM, UL Subtame-2,3,4,7,8,9) LTE-TDD 8,64 19,6 1497 AAG LTE-TDD (SC-FDMA, 100% RB, 14,Metz, GPSK, UL Subtame-2,3,4,7,8,9) LTE-TDD 8,46 19,6 1498 AAC LTE-TDD (SC-FDMA, 100% RB, 14,Metz, GPSK, UL Subtame-2,3,4,7,8,9) LTE-TDD 8,48 19,6 1498 AAC LTE-TDD (SC-FDMA, 100% RB, 3Metz, 16-OAM, UL Subtame-2,3,4,7,8,9) LTE-TDD 8,48 19,6 1498 AAC LTE-TDD (SC-FDMA, 100% RB, 3Metz, 16-OAM, UL Subtame-2,3,4,7,8,9) LTE-TDD 8,44 19,6 1501 AAD LTE-TDD (SC-FDMA, 100% RB, 5Metz, 46-OAM, LL Subtame-2,3,4,7,8,9) LTE-TDD 8,51 19,6 1503 AAG LTE-TDD (SC-FDMA, 100% RB, 5Metz, 46-OAM, LL Subtame-2,3,4,7,8,9) LTE-TDD 8,31 19,6 1504 AAG LTE-TDD (SC-FDMA, 100% RB, 5Metz, 46-OAM, LL Subtame-2,3,	and the second					
1465 AAG LTE-TDD ISC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe-2,3,4,7,8,9) LTE-TDD 8.34 19.6 1486 MAG LTE-TDD (ISC-FDMA, 50% RB, 12 MHz, 16-QAM, UL Subframe-2,3,4,7,8,9) LTE-TDD 8.34 19.6 1488 AAG LTE-TDD (ISC-FDMA, 100% RB, 14 MHz, 16-QAM, UL Subframe-2,3,4,7,8,9) LTE-TDD 8.40 19.6 1498 AAG LTE-TDD (ISC-FDMA, 100% RB, 14 MHz, 16-QAM, UL Subframe-2,3,4,7,8,9) LTE-TDD 8.46 19.6 1498 AAG LTE-TDD (ISC-FDMA, 100% RB, 14 MHz, 16-QAM, UL Subframe-2,3,4,7,8,9) LTE-TDD 8.44 19.6 1500 AAD LTE-TDD (ISC-FDMA, 100% RB, 5 MHz, 16-QAM, LU Subframe-2,3,4,7,8,9) LTE-TDD 8.44 19.6 1502 AAD LTE-TDD (ISC-FDMA, 100% RB, 5 MHz, 16-QAM, LU Subframe-2,3,4,7,8,9) LTE-TDD 8.54 19.6 1503 AAG LTE-TDD (ISC-FDMA, 100% RB, 10 MHz, 16-QAM, LU Subframe-2,3,4,7,8,9) LTE-TDD 8.54 19.6 1504 AAG LTE-TDD (ISC-FDMA, 100% RB, 10 MHz, 16-QAM, LU Subframe-2,3,4,7,8,9) LTE-TDD 8.54 19.6 1505 AAG LTE-TDD (ISC-FD	0494					
1466 M.G. 11F: TDD 66.54 1.9.6 1467 AAC LTE: TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-GAM, UL Subtrame-2.3,4,7.8.9) LTE: TDD 7.67 2.8.6 1488 AAC LTE: TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-GAM, UL Subtrame-2.3,4,7.8.9) LTE: TDD 8.6.0 1.9.6 1489 AAC LTE: TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-GAM, UL Subtrame-2.3,4,7.8.9) LTE: TDD 8.6.8 1.9.6 1501 AAD LTE: TDD (SC-FDMA, 100% RB, 3.MHz, 19-GAM, UL Subtrame-2.3,4,7.8.9) LTE: TDD 8.4.4 1.9.6 1502 AAD LTE: TDD (SC-FDMA, 100% RB, 3.MHz, 19-GAM, UL Subtrame-2.3,4,7.8.9) LTE: TDD 8.5.2 1.9.6 1502 AAD LTE: TDD (SC-FDMA, 100% RB, 5.MHz, 4-GAM, LL Subtrame-2.3,4,7.8.9) LTE: TDD 8.5.4 1.9.6 1504 AAG LTE: TDD (SC-FDMA, 100% RB, 10.MHz, 26-GAM, LL Subtrame-2.3,4,7.8.9) LTE: TDD 8.5.4 1.9.8 1506 AAG LTE: TDD (SC-FDMA, 100% RB, 10.MHz, 26-GAM, LL Subtrame-2.3,4,7.8.9) LTE: TDD 7.74 1.9.6 1507 AAG LTE: TDD (SC-FDMA, 100% RB, 10.MHz, 26-GAM, UL Subtrame-2.3,4,7.8.9) LT	0495			the second se		
1497 AMC LTE-TDD 152-TDD 7.87 12.8 6 1498 AMC LTE-TDD 152-MMA 100% RB 1.4 MHz, 16-MMA 12.8 12.8 7.8,9 LTE-TDD 8.6.0 1.9.6 1498 AMC LTE-TDD 152-MMA 100% RB, 1.4 MHz, 62-MAA, 100% 12.8 12.8 12.8 12.6 1	0496	AAG			10121	
1499 AAC LTE-TDD SC FUND FUND <th< td=""><td>0497</td><td>ANG</td><td>LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, OPSK, UL Subframe=2,3,4,7,8,9)</td><td>LTE-TDD</td><td>7.67</td><td></td></th<>	0497	ANG	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, OPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.67	
SB00 AAO LTE-TDD (SC-FDMA, 100%, FB, 3 M4z, QPSK, UL, Subtrame-2,3,4,7,8,9) LTE-TDD 7,67 ±9,6 S00 AAO LTE-TDD (SC-FDMA, 100%, FB, 3 M4z, H0-QMA, UL, Subtrame-2,3,4,7,8,9) LTE-TDD 8,52 ±9,6 S00 AAO LTE-TDD (SC-FDMA, 100%, FB, 5 M4z, GPSK, UL, Subtrame-2,3,4,7,8,9) LTE-TDD 8,52 ±9,6 S00 AAG LTE-TDD (SC-FDMA, 100%, FB, 5 M4z, GPSK, UL, Subtrame-2,3,4,7,8,9) LTE-TDD 8,31 ±9,6 S00 AAG LTE-TDD (SC-FDMA, 100%, FB, 5 M4z, GPSK, UL, Subtrame-2,3,4,7,8,9) LTE-TDD 8,31 ±9,6 S00 AAG LTE-TDD (SC-FDMA, 100%, FB, 5 M4z, GPSK, UL, Subtrame-2,3,4,7,8,9) LTE-TDD 8,32 ±9,6 S00 AAG LTE-TDD (SC-FDMA, 100%, FB, 10 M4z, GPSK, UL, Subtrame-2,3,4,7,8,9) LTE-TDD 8,36 ±9,6 S00 AAG LTE-TDD (SC-FDMA, 100%, FB, 15 M4z, GPSK, UL, Subtrame-2,3,4,7,8,9) LTE-TDD 8,46 ±9,6 S10 AAF LTE-TDD (SC-FDMA, 100%, FB, 15 M4z, GPSK, UL, Subtrame-2,3,4,7,8,9) LTE-TDD 8,49 ±9,6 S11 AAF LTE-TDD (SC-FDMA, 100%, FB, 15 M4z, GPSK, UL, Sub	0498		LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subtrame=2,3,4,7,8,9)	LTE-TDD	8.40	±9.6
Stoff AAD LTE-TOD SS-FDMA, 100% PB, 3 MHz, 18-0AM, U.S. Subhame-2,3,4,7,8,9) LTE-TDD 8.44 ±9.6 Stoff AAD LTE-TDD ISC-FDMA, 100% PB, 3 MHz, 94-0AM, U.S. Subhame-2,3,4,7,8,9) LTE-TDD R.52 ±9.6 Stoff AAG LTE-TDD ISC-FDMA, 100% PB, 5 MHz, 19-0AM, U.S. Subhame-2,3,4,7,8,9) LTE-TDD 8.54 ±9.8 Stoff AAG LTE-TDD (SC-FDMA, 100% PB, 5 MHz, 19-0AM, U.S. Subhame-2,3,4,7,8,9) LTE-TDD 8.54 ±9.6 Stoff AAG LTE-TDD (SC-FDMA, 100% PB, 10 MHz, 19-0AM, U.S. Subhame-2,3,4,7,8,9) LTE-TDD 8.56 ±8.6 Stoff AAG LTE-TDD (SC-FDMA, 100% PB, 10 MHz, 19-0AM, U.S. Subhame-2,3,4,7,8,9) LTE-TDD 8.56 ±8.6 Stoff AAG LTE-TDD (SC-FDMA, 100% PB, 15 MHz, 19-0AM, U.S. Subhame-2,3,4,7,8,9) LTE-TDD 8.56 ±9.6 Stoff AAF LTE-TDD (SC-FDMA, 100% PB, 15 MHz, 19-0AM, U.S. Subhame-2,3,4,7,8,9) LTE-TDD 8.49 ±9.8 Stoff AAF LTE-TDD (SC-FDMA, 100% PB, 15 MHz, 20-SX, LI, Subhame-2,3,4,7,8,9) LTE-TDD 8.49 ±9.8 Stoff				LTE-TDO		±9.6
JB02 AAD LTE-TDD B.G.2 19.6 JB03 AAG LTE-TDD JS.2 19.6 JB04 AAG LTE-TDD JS.2 19.6 JB05 AAG LTE-TDD JS.2 19.6 JB06 AAQ LTE-TDD JS.2 19.6 JB07 AAG LTE-TDD JS.2 19.6 JB08 AAG LTE-TDD JS.2 19.6 JB09 AAF LTE-TDD JS.2 19.6 JB09 AAF LTE-TDD JS.2 19.6 JB11 AAG LTE-TDD JS.3 19.6 JB14 AAF LTE-TDD JS.3 19.6 JB13 AAG LTE-TDD JS.3 19.6 JB14 AAF LTE-TDD						
1983 AAG LTE-TDD 7.72 19.8 1984 AAG LTE-TDD (SC-FDMA, 100% RB, 5MHz, 16-GAM, LL Subframe-2,3,4,7,8,9) LTE-TDD 8.31 19.8 1964 AAG LTE-TDO (SC-FDMA, 100% RB, 5MHz, 16-GAM, LL Subframe-2,3,4,7,8,9) LTE-TDD 8.34 49.8 1967 AAG LTE-TDO (SC-FDMA, 100% RB, 10MHz, 16-GAM, LL Subframe-2,3,4,7,8,9) LTE-TDD 8.36 49.6 1967 AAG LTE-TDO (SC-FDMA, 100% RB, 10MHz, 16-GAM, LL Subframe-2,3,4,7,8,9) LTE-TDD 8.36 49.6 1967 AAG LTE-TDO (SC-FDMA, 100% RB, 15MHz, GPSK, UL Subframe-2,3,4,7,8,9) LTE-TDD 8.36 49.6 1968 AAG LTE-TDO (SC-FDMA, 100% RB, 15MHz, GPSK, UL Subframe-2,3,4,7,8,9) LTE-TDD 8.49 49.6 1911 AAF LTE-TDO (SC-FDMA, 100% RB, 15MHz, 64-OAM, LL Subframe-2,3,4,7,8,9) LTE-TDD 8.49 49.6 1911 AAG LTE-TDD (SC-FDMA, 100% RB, 20MHz, 16-GAM, LL Subframe-2,3,4,7,8,9) LTE-TDD 8.42 49.6 1911 AAG LTE-TDD (SC-FDMA, 100% RB, 20MHz, 16-GAM, LL Subframe-2,3,4,7,8,9) LTE-TDD 8.42 49.6				and the second se		
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BB6 AA0. LTE-TDD IS-54 ±9.6 BB66 AA0. LTE-TDD (SC-FDMA, 100% 6B, 5MHz, 64-DAM, UL Subtrame-2,3,4,7,8,9) LTE-TDD 7,74 ±9.6 B576 AA0. LTE-TDD (SC-FDMA, 100% 6B, 10 MHz, 64-DAM, UL Subtrame-2,3,4,7,8,9) LTE-TDD 8,86 ±9.6 B588 AAG. LTE-TDD (SC-FDMA, 100% FB, 10 MHz, 64-DAM, UL Subtrame-2,3,4,7,8,9) LTE-TDD 8,85 ±9.6 B589 AAG. LTE-TDD (SC-FDMA, 100% FB, 15 MHz, 26-DAM, UL Subtrame-2,3,4,7,8,9) LTE-TDD 8,94 9.8.6 B510 AAF LTE-TDD (SC-FDMA, 100% FB, 15 MHz, 26-DAM, UL Subtrame-2,3,4,7,8,9) LTE-TDD 8,94 9.8.6 B511 AAF LTE-TDD (SC-FDMA, 100% FB, 20 MHz, 10-DAM, UL Subtrame-2,3,4,7,8,9) LTE-TDD 8,45 ±9.6 B513 AAG. LTE-TDD (SC-FDMA, 100% FB, 20 MHz, 10-DAM, UL Subtrame-2,3,4,7,8,9) LTE-TDD 8,45 ±9.6 B514 AAG. LTE-TDD (SC-FDMA, 100% FB, 20 MHz, 10-DAM, UL Subtrame-2,3,4,7,8,9) LTE-TDD 8,45 ±9.6 B514 AAG. LTE-TDD (SC-FDMA, 100% FB, 20 MHz, 10-DAM, UL Subtrame-2,3,4,7,8,9) LTE-TDD 8,4						
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1507 AAG LTE-TDD 8.36 ±8.6 1508 MAG LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe-2,3,4,7,8,9) LTE-TDD 8.55 ±9.6 1508 MAG LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 04-QAM, UL Subframe-2,3,4,7,8,9) LTE-TDD 8.59 ±9.6 1511 AAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe-2,3,4,7,8,9) LTE-TDD 8.49 ±9.6 1511 AAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe-2,3,4,7,8,9) LTE-TDD 8.51 ±9.6 1512 AAG LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe-2,3,4,7,8,9) LTE-TDD 8.42 ±9.6 1513 AAG LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe-2,3,4,7,8,9) LTE-TDD 8.42 ±9.6 1514 AAG LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe-2,3,4,7,8,9) LTE-TDD 8.42 ±9.6 1514 AAG LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe-2,3,4,7,8,9) LTE-TDD 8.42 ±9.6 1514 AAG LEE sot.10 WFF 2.4 GHz (DSSS, 2 MBps, 99p cduy cycle) WLAN 1.55 ±9.6 </td <td>0506</td> <td></td> <td></td> <td></td> <td></td> <td></td>	0506					
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510 AAF LTE-TDD (BC-FDMA, 100% RB, 15 MHz, 15-CMA, UL Subhame-2.3.4.7.8.9) LTE-TDD 8.49 ±9.6 511 AAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-CAM, UL Subhame-2.3.4.7.8.9) LTE-TDD 8.51 ±9.6 512 AAG LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 62 CM, UL Subhame-2.3.4.7.8.9) LTE-TDD 8.51 ±9.6 513 AAG LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-CAM, UL Subhame-2.3.4.7.8.9) LTE-TDD 8.42 ±9.6 514 AAG LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-CAM, UL Subhame-2.3.4.7.8.9) LTE-TDD 8.42 ±9.6 515 AAA IEEE 802.11b WFF 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle) WLAN 1.58 ±9.6 516 AAA IEEE 802.11b WFF 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle) WLAN 1.57 ±9.6 517 AAA IEEE 802.11a/W WFF 5 GHz (OFDM, 12 Mbps, 99pc duty cycle) WLAN 8.23 ±9.6 518 AAC IEEE 802.11a/W WFF 5 GHz (OFDM, 41 Mbps, 99pc duty cycle) WLAN 8.12 ±9.6 519 AAC IEEE 802.11a/W WFF 5 GHz (OFDM, 41 Mbps, 99pc duty cycle) WLAN	0508	AAG				
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1512 AAQ LTE-TDD 7.74 ±9.6 1513 AAQ LTE-TDD 7.74 ±9.6 1513 AAQ LTE-TDD 6.75 ±9.6 1513 AAQ LTE-TDD 6.42 ±9.6 1513 AAQ LTE-TDD 6.42 ±9.6 1515 AAA LEE EDO 10.74 ±9.6 1515 AAA LEE EDO 10.75 ±9.6 1515 AAA LEE EDO 10.75 ±9.6 1516 AAA LEE EDO 10.77 ±9.6 1517 AAA IEEE EDO 11.01 WFF 2.4 GHz (DESS, 5.5 Mbps, 99pc duty cycle) WLAN 1.58 ±9.6 1518 AAC IEEE EDO 11.01 WFF 5.GHz (OFDM, 12 Mbps, 99pc duty cycle) WLAN 8.23 ±9.6 1520 AAC IEEE EDO 11.01 WFF 5.GHz (OFDM, 12 Mbps, 99pc duty cycle) WLAN 8.12 ±8.6 1521 AAC IEEE EDO 11.01 WFF 5.GHz (OFDM, 48 Mbps, 99pc duty cycle) WLAN 8.12 <t< td=""><td>0510</td><td></td><td></td><td>LTE-TDD</td><td>8.49</td><td>±9.8</td></t<>	0510			LTE-TDD	8.49	±9.8
IS13 AAD. LTE-TDD B-2 ±9.6 IS14 AAG. LTE-TDD B-4 54.4 IS15 AAA. IEEE 802.11b WFF 2.4 GHz (DSSS, S.TMbps, 99pc duty cycle) WLAN 1.58 ±9.6 IS18 AAA. IEEE 802.11b WFF 2.4 GHz (DSSS, S.TMbps, 99pc duty cycle) WLAN 1.58 ±9.6 IS18 AAC. IEEE 802.11b WFF 2.4 GHz (DFDM, 410ps, 99pc duty cycle) WLAN 8.23 ±9.6 IS18 AAC. IEEE 802.11a/h WFF 5 GHz (DFDM, 410ps, 99pc duty cycle) WLAN 8.23 ±9.6 IS21 AAC. IEEE 802.11a/h WFF 5 GHz (DFDM, 410ps, 99pc duty cycle) WLAN 8.45 ±9.6 IS22 AAC. IEEE 802.11a/h WFF 5 GHz (DFDM, 410ps, 99pc duty cycle) WLAN 7.97 ±9.6 IS22 AAC. IEEE 802.11a/h WFF 5 GHz (DFDM, 48 Mbps, 99pc duty cycle) WLAN 8.45						
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5515 AAA EEEE 802.11b W/F 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle) WLAN 1.58 ±9.6 5516 AAA IEEE 802.11b W/F 2.4 GHz (DSSS, 5 Mbps, 99pc duty cycle) WLAN 1.57 ±9.6 5517 AAA IEEE 802.11b W/F 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle) WLAN 1.58 ±9.6 5518 AAC IEEE 802.11b/t W/F 5 GHz (DSSS, 1 Mbps, 99pc duty cycle) WLAN 8.23 ±9.6 5519 AAC IEEE 802.11b/t W/F 5 GHz (DFDM, 12 Mbps, 99pc duty cycle) WLAN 8.23 ±9.6 5521 AAC IEEE 802.11b/t W/F 5 GHz (DFDM, 12 Mbps, 99pc duty cycle) WLAN 8.12 ±8.6 5521 AAC IEEE 802.11b/t W/F 5 GHz (DFDM, 24 Mbps, 99pc duty cycle) WLAN 8.12 ±8.6 5521 AAC IEEE 802.11a/t W/F 5 GHz (DFDM, 34 Mbps, 99pc duty cycle) WLAN 8.45 ±9.6 5522 AAC IEEE 802.11a/t W/F 15 GHz (DFDM, 44 Mbps, 99pc duty cycle) WLAN 8.27 ±9.6 5525 AAC IEEE 802.11a/t W/F 15 GHz (DFDM, 44 Mbps, 99pc duty cycle) WLAN 8.27 ±9.6						
IB18 AAA IEEE 802.11b WFF 2.4 GHz (DSSS, 5.5 Mops, 89pc duty cycle) WLAN 1.57 ±9.6 IS17 AAA IEEE 802.11b WFF 2.4 GHz (DSSS, 5.1 Mops, 89pc duty cycle) WLAN 1.58 #5.6 IS18 AAC IEEE 802.11b WFF 2.4 GHz (DSSS, 5.1 Mops, 99pc duty cycle) WLAN 8.23 ±9.4 IS18 AAC IEEE 802.11a/h WFF 5 GHz (OFDM, 12 Mops, 99pc duty cycle) WLAN 8.29 ±0.6 IS20 AAC IEEE 802.11a/h WFF 5 GHz (OFDM, 18 Mops, 99pc duty cycle) WLAN 8.12 ±9.6 IS21 AAC IEEE 802.11a/h WFF 5 GHz (OFDM, 48 Mops, 99pc duty cycle) WLAN 8.45 ±9.6 IS22 AAC IEEE 802.11a/h WFF 5 GHz (OFDM, 48 Mops, 99pc duty cycle) WLAN 8.45 ±9.6 IS23 AAC IEEE 802.11a/h WFF 5 GHz (OFDM, 48 Mops, 99pc duty cycle) WLAN 8.45 ±9.6 IS23 AAC IEEE 802.11a/h WFF 5 GHz (OFDM, 48 Mops, 99pc duty cycle) WLAN 8.27 ±9.6 IS25 AAC IEEE 802.11a/h WFF 15 GHz (OFDM, 48 Mops, 99pc duty cycle) WLAN 8.26 ±9.6						
1517 AAA IEEE 802.11b WFF 2.4 GHz (DSSS, 11 Mops, 98pc duty cycle) WLAN 1.58 #9.6 1518 AAC IEEE 802.11b WFF iS GHz (CFDM, 9Mbps, 98pc duty cycle) WLAN 8.23 49.6 1518 AAC IEEE 802.11b WFF iS GHz (CFDM, 18 Mbps, 98pc duty cycle) WLAN 8.23 49.6 1520 AAC IEEE 802.11b WFF iS GHz (CFDM, 18 Mbps, 98pc duty cycle) WLAN 8.12 48.6 1521 AAC IEEE 802.11b WFF iS GHz (CFDM, 18 Mbps, 98pc duty cycle) WLAN 8.15 #9.6 1522 AAC IEEE 802.11b WFF iS GHz (CFDM, 34 Mbps, 98pc duty cycle) WLAN 8.45 #9.6 1523 AAC IEEE 802.11a/t WFF iS GHz (OFDM, 48 Mbps, 98pc duty cycle) WLAN 8.45 #9.6 1523 AAC IEEE 802.11a/t WFF iS GHz (OFDM, 48 Mbps, 98pc duty cycle) WLAN 8.26 #9.6 1524 AAC IEEE 802.11a/t WFF iS GHz (OFDM, 48 Mbps, 98pc duty cycle) WLAN 8.36 #9.6 1526 AAC IEEE 802.11a/t WFF (20 MHz, MCS3, 98pc duty cycle) WLAN 8.42 #9.6 1527	0516	and the second second				and the second se
IST8 AAC IEEE 802.11 u/r W/F 5 GHz (OFDM, 9 Mbps, 98pc duty cycle) WLAN 8.23 ±9.6 IST9 AAC IEEE 802.11 u/r W/F 5 GHz (OFDM, 12 Mbps, 98pc duty cycle) WLAN 8.39 ±9.6 IST9 AAC IEEE 802.11 u/r W/F 5 GHz (OFDM, 12 Mbps, 98pc duty cycle) WLAN 6.12 ±9.6 ISE2 AAC IEEE 802.11 u/r W/F 5 GHz (OFDM, 14 Mbps, 98pc duty cycle) WLAN 7.97 ±9.6 ISE2 AAC IEEE 802.11 u/r W/F 5 GHz (OFDM, 34 Mbps, 98pc duty cycle) WLAN 8.45 ±9.6 ISE2 AAC IEEE 802.11 u/r W/F 5 GHz (OFDM, 34 Mbps, 98pc duty cycle) WLAN 8.05 ±9.6 ISE2 AAC IEEE 802.11 u/r W/F 15 GHz (OFDM, 34 Mbps, 98pc duty cycle) WLAN 8.05 ±9.6 ISE2 AAC IEEE 802.11 u/r W/F 15 GHz (OFDM, 34 Mbps, 98pc duty cycle) WLAN 8.27 ±9.6 ISE2 AAC IEEE 802.11 u/r W/F (20 MHz, MCS1, 98pc duty cycle) WLAN 8.27 ±9.6 ISE8 AAC IEEE 802.11 u/r W/F (20 MHz, MCS1, 98pc duty cycle) WLAN 8.42 ±9.6	0517					
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IS21 AAC IEEE 802.11a/h WiFI 5 GHz (OFDM, 24 Mbps, 98pc duty cycle) WLAN 7.97 ±9.6 IS22 AAC IEEE 802.11a/h WiFI 5 GHz (OFDM, 36 Mbps, 98pc duty cycle) WLAN 8.45 ±9.6 IS22 AAC IEEE 802.11a/h WiFI 5 GHz (OFDM, 36 Mbps, 98pc duty cycle) WLAN 8.05 ±9.6 IS24 AAC IEEE 802.11a/h WiFI 5 GHz (OFDM, 48 Mbps, 98pc duty cycle) WLAN 8.05 ±9.6 IS24 AAC IEEE 802.11a/h WiFI 5 GHz (OFDM, 54 Mbps, 98pc duty cycle) WLAN 8.27 ±9.6 IS25 AAC IEEE 802.11a/h WiFI 50 Mtz, MCS1, 98pc duty cycle) WLAN 8.27 ±9.6 IS28 AAC IEEE 802.11a/h WiFI (20 MHz, MCS1, 98pc duty cycle) WLAN 8.42 ±9.6 IS28 AAC IEEE 802.11a/h WiFI (20 MHz, MCS3, 98pc duty cycle) WLAN 8.42 ±9.6 IS28 AAC IEEE 802.11a/h WiFI (20 MHz, MCS3, 98pc duty cycle) WLAN 8.30 ±9.6 IS28 AAC IEEE 802.11a/h WiFI (20 MHz, MCS3, 98pc duty cycle) WLAN 8.43 ±9.6 IS28 <	0.519	AAC	IEEE 802.11 s/h WIFI 5 GHz (OFDM, 12 Mops, 99pc duty cycle)	WLAN.	8.39	±9.6
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UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k = 2
0541	AAC	IEEE 802.11ac WIFI (40 MHz, MCS7, 99pc duty cycle)	WLAN	8.46	±9.6
0542		IEEE 802.11ac WIFI (40 MHz, MCS8, 99pc duty cycle)	WLAN	8.65	±0.6
0543		IEEE 802.11ac WIFI (40 MHz, MCS9, 89pc duty cycle)	WLAN	8.65	±9.0
0544		IEEE 802 11ac WIFI (80 MHz, MCS0, 99pc duty cycle)	WLAN	.8.47	±9.6
0545		IEEE 802.11ac WiFi (80 MHz, MCS1, 99pc duty cycle)	WLAN	8.55	±9.6
0548		IEEE 802.11ac WIFI (80 MHz, MCS2, 99pc duty cycle)	WEAN	8.35	±9.6
0.548	AAC	IEEE 802.11ac WIFI (80 MHz, MCS3, 99pc duty cycle) IEEE 802.11ac WIFI (80 MHz, MCS4, 99pc duty cycle)	WLAN WLAN	8.49	3.9.6
0.550	AAC	IEEE 802 11ac WIFI (80 MHz, MC34, 990 duty cycle) IEEE 802 11ac WIFI (80 MHz, MC36, 990c duty cycle)	WLAN	8.38	±9.6 ±9.6
0.551	1.5.56	IEEE 802.11ac WIFI (80 MHz, MCS7, 88pc duty cycle)	WLAN	8.50	19.0
0.552	AAC	IEEE 802.11ac WiFi (80 MHz, MCS8, 99pc duty cycle)	WLAN	8.42	:9.6
0.553	AAC	IEEE 802.11ac WiFI (80 MHz, MCS9, 99pc duty cycle)	WLAN	8.45	:9.6
0.554		IEEE 802.11ac WiFi (160 MHz, MCS0, 99pc duty cycle)	WLAN	8.48	±9.6
0.555		IEEE 802.11ac WiFi (160 MHz, MCS1, 99pc duty cycle)	WLAN	8.47	±9.6
	CAA	IEEE 802.11ac WiFi (160 MHz, MCS2, 99pc duty cycle)	WLAN	8.50	±9.6
	AAD	IEEE 802.11ac WIFI (160 MHz, MCS3, 99pc duty cycle)	WLAN	8.52	±9.6
0.558	AAD	IEEE 802.11ac WFI (160 MHz, MCS4, 99pc duty cycle)	WLAN	8.61	±9.6
0560		IEEE 802.11ac WiFi (160 MHz, MCS8, 99pc duty cycle) IEEE 802.11ac WiFi (160 MHz, MCS7, 99pc duty cycle)	WLAN	8.73	19.6
	AAD	IEEE 802.11ac WiFi (160 MHz, MCS7, 99pc duty cycle) IEEE 802.11ac WiFi (160 MHz, MCS8, 99pc duty cycle)	WLAN		±9.6
	AAD	IEEE 802.11ac WIFI (160 MHz, MCS8, 99pc duty cycle)	WLAN	8.69	±9.6 ±9.6
0.564		IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9Mbps, 99pc duty cycle)	WLAN	8.25	±8.6 ±9.6
0.565		IEEE 802.11g WFI 2.4 GHz (DSSS-OFDM, 12 Mpps, 99pc duty cycle)	WLAN	8.45	:9.6
0.566	AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 18 Mops, 99pc duty cycle)	WLAN	8.13	±9.6
	AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 24 Mbps, 98pc duty cycle)	WLAN	8.00	±9.6
	AAA	IEEE 802.11g WIFI 2.4 GHz (OSSS-OFDM, 38 Mbps, 99pc duty cycle)	WLAN	8.37	±9.6
0.569		IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle)	WLAN	8.10	±9.6
0570	AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty cycle)	WLAN	8.30	⇒9.6
	AAA	IEEE 802.11b WIFI 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle) IEEE 802.11b WIFI 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	WLAN	1.99	:19.6
	AAA	IEEE 802.11b WIFI 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	WLAN	1.99	±9.6 ±9.6
0574		IEEE 802.11b WIFI 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)	WLAN	1.96	19.6
0675	AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)	WLAN	8.59	±9.6
0576	AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 9Mbps, 90pc duty cycle)	WLAN	8.60	±9.6
	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.70	±9.6
	AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFOM, 18 Mbps, 90pc duty cycle)	WLAN	8.49	±9.6
	AAA	IEEE 802.11g WIFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle)	WLAN	8.36	±9.6
	AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.76	±9.6
		IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle) IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)	WLAN WLAN	8.35	±9.6 ±9.6
	AAC	IEEE 802.11a/h WiFI 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	WLAN	8.59	19.6
0584		IEEE 802.11a/h WIFI 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.60	±9.6
0585	AAC	IEEE 802.11a/h WIFI 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.70	19.6
		IEEE 802.11a/h WIFI 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)	WLAN	8.49	±9.6
0587	AAC	IEEE 802.11a/h WIFI 5 GHz (OFDM, 24 Mops, 90pc duty cycle)	WLAN	8.36	±9.6
	AAC	IEEE 802.11a/h WIFI 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	WLAN .	8.76	19.8
0569		IEEE 802.11a/h W/FI 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	WLAN.	8.35	19.6
0690	AAC	IEEE 802.11a/h WIFI 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.67	±9.6
0591	AAC	IEEE 802 11n (HT Mixed, 20 MHz, MCS0, 90pc duty cycle)	WLAN	0.63	±9.6
0592	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS1, 90pc duty cycle) IEEE 802.11n (HT Mixed, 20 MHz, MCS2, 90pc duty cycle)	WLAN WLAN	8.79	±9.6 ±9.6
0594	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS2, 90pc duty cycle)	WLAN	8.04	29.6
0595	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS3, 90pc duty cycle)	WLAN	8.74	19.6
0.596	AAC	IEEE 802 11n (HT Mixed, 20 MHz, MCS5, 90pc duty cycle)	WLAN	8,71	±9.6
1597	AAC	IEEE 802 11n (HT Mixed, 20 MHz, MCS6, 90pc duty cycle)	WLAN	8.72	±9.6
3598	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS7, 90pc duty cycle)	WLAN	8.50	±9.6
1599	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS0, 90pc duty cycle)	WLAN	8.79	±9.6
1600	AAC	IEEE 802 11n (HT Mixed, 40 MHz, MCS1, 90pc duty cycle)	WLAN	8.68	±9.6
2601	AAC	IEEE 802 11n (HT Mixed, 40 MHz, MCS2, 00pc duty cycle)	WLAN	8.82	±9.6
1602	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 90pc duty cycle) IEEE 802.11n (HT Mixed, 40 MHz, MCS4, 90pc duty cycle)	WLAN	8.94	±9.8 ±9.6
1604	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS4, 90pc duty cycle)	WLAN	8.76	29.6
1605	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS6, 90pc duty cycle)	WLAN	8.97	±9.6
8080	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS7, 90pc duty cycle)	WLAN	8.82	±0.6
0607	AAC	IEEE 802.11ac WFI (20 MHz, MCS0, 90pc duty cycle)	WLAN	8.64	±9.6
8080	AAC	IEEE 802.11ac WFI (20 MHz, MCS1, 90pc duty cycle)	WLAN	8.77	±9.6

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UID	Rev	Communication System Name	Group	PAR (dB)	Und ^E $k = 2$
0000	AAC	IEEE 802.11ac WiFI (20 MHz, MCS2, 90pc duty cycle)	WLAN	8.57	19.6
0610	AAC	IEEE 802.11ac WIFI (20 MHz, MCS3, 90pc duty cycle)	WLAN	8.78	±9.6
0611	AAC	IEEE 802:11ac WIFI (20 MHz, MCS4, 90pc duty cycle)	WLAN .	8.70	19.6
0612	AAC	IEEE 802.11 ac WiFi (20 MHz, MCSS, 90pc duty cycle)	WLAN	息.77	±9.6
0613	AAC	IEEE 802.11ac WIFI (20 MHz, MCS8, 90pc duty cycle)	WLAN	8.94	±9.6
0614	AAC	IEEE 802.11ao WIFI (20 MHz, MCS7, 90pc duty cycle)	WLAN	8.59	19.6
	AAC	IEEE 802.11ac WiFi (20 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	±9.8
0616	AAC	IEEE 802.11ac WIFI (40 MHz, MCS0, 90pc duty cycle) IEEE 802.11ac WIFI (40 MHz, MCS1, 90pc duty cycle)	WLAN WLAN	8.82 8.81	±9.6 +9.6
0.618	AAC	IEEE 802.11ac WIFI (40 MHz, MCS2, 90pc duty cycle)	WLAN	8.61	19.0
0619	AAC	IEEE 802.11ac WIFI (40 MHz, MCS3, 90pc duty cycle)	WLAN	8.86	±9.6
0620	AAC	IEEE 802.11ac WIFI (40 MHz, MCS4, 90pc duty cycle)	WLAN	8.87	19.6
0621	AAC	IEEE 802.11ac WIFI (40 MHz, MCS5, 90pc duty cycle)	WLAN	8.77	±9.6
0.622	AAC	IEEE 802.11ac WiFi (40 MHz, MCS6, 90pc duty cycle)	WLAN	8.68	19.6
0623	AAC	IEEE 802.11ac WiFi (40 MHz, MCS7, 90pc duty cycle)	WLAN	88.11	±9.0
0.624	AAC	IEEE 802.11ac WIFI (40 MHz, MCS8, 90pc duty cycle)	WLAN	8.96	±9.6
0.625	AAC	IEEE 802.11ac WiFI (40 MHz, MCS9, 90pc duty cycle)	WLAN	9.96	19.6
0626	AAC	IEEE 802.11ac WFI (80 MHz, MCS0, 90pc duty cycle)	WLAN	8.83	19.6
0627	AAC	IEEE 802.11ao WIFi (80 MHz, MCS1, 90pc duty cycle)	WLAN	8.88	±9.6
859.0	AAC	IEEE 802.11ac WIFi (80 MHz, MCS2, 90pc duty cycle)	WLAN	8.71	±9.8
0.629	AAC	IEEE 802.11ac W/Fi (60 MHz, MCS3, 90pc duty cycle)	WLAN	8.85	±9.6
0630	AAC AAC	IEEE 802 11ac WFI (80 MHz, MCS4, 90pc duty cycle)	WLAN	8.72	±9.6
0632	AAC	IEEE 802.11ac WFI (80 MHz, MCS5, 90pc duty cycle) IEEE 802.11ac WFI (80 MHz, MCS6, 90pc duty cycle)	WLAN WLAN	8.81	±9.6
0632	AAC	IEEE 802.11ac WFI (80 MHz, MCSB, 90pc duty cycle) IEEE 802.11ac WFI (80 MHz, MCS7, 90pc duty cycle)	WLAN	8.74	±9.6
0634	AAC	IEEE 802.11ac WFI (S0 MHz, MCS7, 900c duty cycle)	WLAN	8.80	19.0
0 6 3 5	AAC	IEEE 802.11ac WFI (80 MHz, MCS9, 90pc duty cycle)	WLAN	0.00	±9.6
0 636	AAD	IEEE 802.11ac WFI (160 MHz, MCS0, 90pc duty cycle)	WLAN	8.83	19.6
0637	AAD	IEEE 802.11ac W/Fi (160 MHz, MCS1, 90pc duty cycle)	WLAN	8.79	±9.6
0638	AAD	IEEE 802.11ac WIFI (160 MHz, MCS2, 90pc duty cycle)	WLAN	8.86	19.6
0.639	AAD	IEEE 802.11ac WIFI (160 MHz, MCS3, 90pc duty cycle)	WLAN	8.85	±9.6
0640	AAD	IEEE 802.11ac W/FI (160 MHz, MCS4, 90pc duty cycle)	WLAN	8.98	±9.6
0.641	AAD	IEEE 802.11ac WFI (160 MHz, MCS5, 90pc duty cycle)	WLAN	9,06	±9.6
0642	AAD	IEEE 802.11ac WIFI (160 MHz, MCS6, 90pc duty cycle)	WLAN	9.06	±9.6
0643	AAD	IEEE 802.11 ac WIFI (160 MHz, MCS7, 90pc duty cycle)	WLAN	8.89	±9.6
0644	AAD	IEEE 802.11ac WIFI (160 MHz, MCS8, 90pc duty cycle)	WLAN	9.05	±9.6
0645	AAH	IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc duty cycle) LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subtrame=2,7)	WLAN LTE-TDD	9.11	19.6
0.647	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)	LTE-TOD	11.96	±9.6 ±9.6
0.648	AAA	CDMA2000 (1x Advanced)	CDMA2000	3.45	19.6
0652	AAF	LTE-TDD (OFDMA, SMHz, E-TM 3.1, Clipping 44%)	LTE-TOD	6.91	±9.6
0653	AAF	LTE-TDD (OFDMA, 10 MHz, E-TM 3, 1, Clipping 44%)	LTE-TDD	7.42	+9.6
0654	AAE	LTE-TDD (OFDMA: 15 MHz, E-TM 3.1, Clipping 44%)	LTE-TOD	6.96	±9.6
0655	AAF	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-TOD	7,21	19.6
0658	AAB	Pulse Waveform (200Hz, 10%)	Test	10.00	±9.6
0659	AAB	Pulse Waveform (200Hz, 20%)	Test	6.99	19.6
0660	AAB	Pulse Waveform (200Hz, 40%)	Test	3.98	±9.6
0661	AAB	Pulse Waveform (200Hz, 60%)	Test	2.22	±9.6
0662	AAB	Pulse Waveform (200Hz, 80%)	Test	0.97	±9.6
0670	AAA	Bluetooth Low Energy	Bluetooth WLAN	2.19	±9.6 +9.6
0672	AAC	IEEE 802.11ax (20 MHz, MCS0, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS1, 90pc duty cycle)	WLAN	8.57	±9.6
0673	AAC	(EEE 802.11ax (20 MHz, MCS1, 90pc duty cycle)	WLAN	8.78	±9.6
0674	AAC	IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle)	WLAN	8.74	±9.6
0675	AAC	IEEE 802 11ax (20 MHz, MCS4, 90pc duty cycle)	WLAN	8.90	±9.6
0676	AAC	IEEE 802 11ax (20 MHz, MCS5, 90pc duty cycle)	WLAN	8.77	±9.6
0677	AAC	IEEE 802 11ax (20 MHz, MCS8, 90pc duty cycle)	WLAN	8.73	±9.6
0678	AAC	IEEE 802.11ax (20 MHz, MCS7, 90pc duty cycle)	WLAN	8.78	±9.6
0679	AAC	IEEE 802.11ax (20 MHz, MCS8, 90pc duty cycle)	WLAN	8.89	1.0±
0680	AAC	IEEE 802.11ax (20 MHz, MCS9, 90pc duty cycle)	WLAN	8.80	#9.8
0681	AAC	IEEE 802.11ax (20 MHz, MCS10, 90pc duty cycle)	WLAN	8.62	±9.6
2695	AAC	IEEE 802.11ax (20MHz, MCS11, 90pc duty cycle)	WLAN	8.83	±9.8
0683	AAC	IEEE 802.11ax (20 MHz, MCS0, 99pc duty cycle)	WLAN	8.42	±9.6
0684	AAC	IEEE 802.11ax (20 MHz, MCS1, 99pc duty cycle)	WLAN	8.26	±9.5
0685	AAC AAC	IEEE 802.11 ax (20 MHz, MCS2, 99pc duty cycle) IEEE 802.11 ax (20 MHz, MCS3, 99pc duty cycle)	WLAN	8.33	±9.8 ±9.6
- pod q	new.	teres energine (enumer, werea, anter quit dece)	WLAN	8.88	7.9.0

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UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E $k = 2$
0687	AAC	IEEE 802.11ax (20 MHz, MCS4, 99pc duty cycle)	WLAN	8.45	±9.6
8830	AAC	IEEE 802.11ax (20 MHz, MCS5, 99pc duty cycle)	WLAN	8.29	19.6
0.689	AAC	IEEE 802.11ax (20 MHz, MCS8, 99pc duty cycle)	WLAN	8.55	±9.6
0690	AAC	IEEE 802.11ax (20 MHz, MCS7, 99pc duty cycle)	WLAN	8.29	19.6
0691		IEEE 802.11ax (20 MHz, MCS8, 99pc duty cycle)	WLAN	8.25	±9.6
2880	AAC	IEEE 802.11ax (20 MHz, MCS9, 99pc duty cycle)	WLAN	8.29	±9.0
0693	AAC	IEEE 802.11ax (20 MHz, MCS10, 99pc duty cycle)	WLAN	8.25	±9.6
0654	AAC	IEEE 802.11ax (20 MHz, MCS11, 99pc duty cycle)	WLAN	8.57	±9.6
0695	AAC	IEEE 802.11ax (40 MHz, MCS0, 90pc duty cycle)	WLAN	8.78	±9.6
0696	AAC	IEEE 802 11ax (40 MHz, MCS1, 90pc duty tryole)	WLAN	8.01	±9.6
0697	AAC	IEEE 802.11ax (40 MHz, MCS2, 90pc duty cycle)	WLAN	8.61	±9.6
8690	AAC	IEEE 802 11ax (40 MHz, MCS3, 90pc duty cycle)	WLAN	8.89	±9.6
0699	AAC	IEEE 802 11ax (40 MHz, MCS4; 90pc duty cycle)	WEAN	8.82	±9.6
0780	AAC	IEEE 802.11ax (40 MHz, MCS5, 50pc duty cycle)	WLAN.	8.73	±9.6
0701	AAC	IEEE 802.11ax (40 MHz, MCS6, 90pc duty cycle)	WEAN	8.86	19.6
0702	AAC	IEEE 802.11ax (40 MHz, MCS7, 90pc duty cycle)	WLAN	8.70	±9.6
0703	AAC	IEEE 802.11ax (40 MHz, MCS8, 90pc duty cycle) IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle)	WLAN	8.82	±9.6
0704	AAC	IEEE 802.11ax (40 MHz, MCS9, sope duty cycle) IEEE 802.11ax (40 MHz, MCS10, 90pc duty cycle)	WLAN	8.56	±9.6
0706	AAC	IEEE 802 11ax (40 MHz, MCS10, 90pc duty cycle) IEEE 802 11ax (40 MHz, MCS11, 90pc duty cycle)	WLAN	8.66	±9.6 ±9.6
0700	AAC	IEEE 802 11ax (40 MHz, MCS11, 90pc duty cycle) IEEE 802 11ax (40 MHz, MCS0, 99pc duty cycle)	WLAN	8.32	18.8
0708	AAC	IEEE 802 11ax (40 MHz, MCS0, Sept duty cycle)	WLAN WLAN	8.55	19.0
0709	AAC	IEEE 802.11ax (40 MHz, MCS2, 99pc duty cycle)	WLAN	8.93	19.0
0710	AAC	IEEE 802 11ax (40 MHz, MCS3, 99pc duty cycle)	WEAN	8.29	+9.6
0711	AAC	IEEE 802.11ax (40 MHz, MCS4, 99pc duty cycle)	WLAN	8.39	19.6
0712	AAC	IEEE 802.11ax (40 MHz, MCS5, 99pc duty cycle)	WLAN	8.67	±9.6
0713	AAC	IEEE 802.11ax (40 MHz, MCS6, 99pc duty cycle)	WLAN	8.33	19.6
0714	AAC	IEEE 802.11ax (40 MHz, MCS7, 99pc duty cycle)	WLAN	8.26	±9.6
0715	AAC	IEEE 802.11ax (40 MHz, MCS8, 99pc duty cycle)	WLAN	8.45	±9.6
0716	AAC	IEEE 802.11ax (40 MHz, MCS9, 99pc duty cycle)	WLAN.	曲.30	±9.6
0717	AAC	IEEE 802.11ax (40 MHz, MCS10, 99pc duty cycle)	WLAN	8.48	±9.6
0718	AAC	IEEE 802.11ax (40 MHz, MCS11, 99pc duty cycle)	WLAN	8.24	±9.6
0719	AAC	IEEE 802.11ax (80 MHz, MCS0, 90pc duty cycle)	WLAN .	8.81	29.6
0720	AAC	IEEE 802.11ax (80 MHz, MCS1, 90pc duty cycle)	WLAN	8.87	19.6
0,721	AAC	IEEE 802.11ax (80 MHz, MCS2, 90pc duty cycle)	WLAN	8.76	±9.6
0722	AAC	IEEE 802.11ax (80 MHz, MCS3, 90pc duty cycle)	WLAN	8.55	±9.6
0723	AAC	IEEE 802.11ax (80 MHz, MCS4, 90pc duty cycle)	WLAN	8.70	±9.6
0.724	AAC	IEEE 802.11ax (80 MHz, MCS5, 90pc duty cycle)	WLAN	8.90	±9.6
0725	AAC	IEEE 802.11 isx (80 MHz, MCS6, 90pc duty cycle)	WLAN	8.74	18.6
0726	AAG	IEEE 802.11ax (80 MHz, MGS7, 90pc duty cycle)	WLAN	8.72	±9.6
0728	AAC	IEEE 802.11ax (80 MHz, MCS8, 90pc duty cycle) IEEE 802.11ax (80 MHz, MCS9, 90pc duty cycle)	WLAN WLAN	8.66	±9.6
0729	AAG	IEEE 802 11ax (80 MHz, MC59, 90pc duty cycle)	WLAN	8.64	19.6
8730	AAC	IEEE 802 11ax (80 MHz, MCS10, 90pc duty cycle)	WLAN	8.67	19.6
0731	AAC	IEEE 802.11ax (80 MHz, MCS0, 99pc duty cycle)	WLAN	8.42	+9.6
0732	AAC	IEEE 802.11ax (80 MHz, MCS1, 98pc duty cycle)	WLAN	8.45	±9.6
0733	1.00 142	IEEE 802.11ax (80 MHz, MCS2, 99pc duty cycla)	WLAN	8.40	19.6
0734	AAC	IEEE 802.11ax (80 MHz, MCS3, 99pc duty cycle)	WLAN	8.25	19.6
0735	AAC	IEEE 802.11ax (80 MHz, MCS4, 99pc duty cycle)	WLAN	8.33	±9.6
0736	ANC	IEEE 802.11ax (80 MHz, MCS5, 99oc duty cycle)	WLAN	8.27	±9.6
0737	AAC	IEEE 802.11ax (80 MHz, MCS8, 99pc duty cycle)	WLAN	8.36	±9.6
0738	AAG	IEEE 802.11ax (80 MHz, MCS7, 99pc duty cycle)	WLAN	8.42	±9.4
0739	AAC	IEEE 802.11ax (80 MHz, MCS8, 99pc duty cycle)	WEAN	8.29	±9.6
0740	AAC	IEEE 802.11 px (80 MHz, MCS8, 99pc duty cycle)	WLAN	8.45	±9.6
0741	AAC	IEEE 802.11ax (80 MHz, MCS10, 99pc duty cycle)	WLAN	8.40	±9.6
0742	AAC	IEEE 802.11ax (80 MHz, MCS11, 99pc duty cycle)	WLAN	8,43	19.6
0743	AAC	IEEE 802.11ax (160 MHz, MCS0, 90pc duty cycle)	WLAN	8.94	±9.6
0744	AAC	IEEE 802.11ax (160 MHz, MCS1, 90pc duty cycle)	WLAN	9,16	±9.6
0745	AAC	IEEE 802.11ax (160 MHz, MCS2, 90pc duty cycle)	WLAN	8.93	±9.8
0746	AAC	IEEE 802,11ax (160 MHz, MCS3, 90pc duty cycle)	WLAN	9,11	±9.6
0747	AAC	IEEE 802.11ax (160 MHz, MCS4, 90pc duty cycle)	WLAN	8.04	±9.6
0748	AAC	IEEE 802.11ax (160 MHz, MCS5, 90pc duty cycle)	WLAN	8.93	±9.0
0749	AAC	IEEE 802.11ex (160 MHz, MCS6, 90pc duty cycle)	WLAN	8.90	#9.6
0750	AAC	IEEE 802.11ax (160 MHz, MCS7, 90pc duty cycle)	WLAN	8.79	±9.6
0751	AAC	IEEE 802.11ax (160 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	±9.6
5762	AAC	IEEE 802.11ax (160 MHz, MCS9, 90pc duty cycle)	WLAN	8.81	8.9.6

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uib	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k = 2
0753	AAC	IEEE 802.11as (160 MHz, MGS10, 90pc duty cycle)	WLAN	9.00	±9.6
0754	AAC	IEEE 902.11ax (150 MHz, MCS11, 90pc duty cycle)	WLAN	8.94	±9.6
0.765	AAC	IEEE 802.11ax (160 MHz, MCS0, 99pc duty cycle)	WLAN	8.64	±9.6
0756	AAC	IEEE 802.11ax (160 MHz, MCS1, 99pc duty cycle)	WLAN	8,77	1,9.6
0.757	AAC	IEEE 802.11ax (160 MHz, MCS2, 99pc duty cycle)	WLAN	第.77	19.6
0758	AAC	IEEE 802.11ax (160 MHz, MC83, 99pc duty cycle)	WLAN	0.89	±9.6
0759	AAC.	IEEE 802.11ax (160 MHz, MC84, 99pc duty cycle)	WLAN	0.58	±9.0
0760	AAC	IEEE 802.11ax (160 MHz, MC55, 99pc duty cycle)	WLAN	8.49	±9.6
0761	AAC	IEEE 802.11ax (160 MHz, MCS6, 99pc duty cycle)	WLAN	8.58	19.6
0.762	AAC .	IEEE 002.11ax (160 MHz, MCS7, 99pc duty cycle)	WEAN	8.40	19.8
0763	AAC	IEEE 802.11ax (160 MHz, MC58, 99pc duty cycle)	WLAN	8.53	±9.6
0764	AAC	IEEE 802.11a# (160 MHz, MCS9, 99pc duty cycle)	WLAN	8.54	±9.6
2765	AAC	IEEE 802.11ax (160 MHz, MC510, 99pc duty cycle)	WLAN	8.54	±9.6
0766	AAC	IEEE 802.11ax (160 MHz, MCS11, 99pc duty cycle)	WLAN	8.51	±9.6
0.767	AAE	5G NR (CP-OFDM, 1 RB, 5MHz, QPSK, 15kHz)	5G NR FR1 TOD	7.99	±9.6
0768	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	53 NR FR1 TDD	8.01	±9.6
0769	AAD	5G NR (CP-OFDM, 1 RB, 15MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.01	±9.6
0770	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	53 NR FR1 TDD	0.02	±9.6
0.771	AAD	SG NR (CP-OFDM, 1 R8, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±9.6
0772	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.23	±9.6
0773	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.03	±9.6
0774	AAD	5G NR (CP-OFDM, 1 R9, 50 MHz, QP\$K, 15 kHz)	53 NR FR1 TDD	8.02	±9.6
0775	AAD	5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	±9.6
0776	AAD	5G NR (CP-DFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	±9.6
0777	AAG	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	±8.6
0.778	AAD	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.34	19.6
0779	AAC	5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.42	19.5
	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QP5K, 15 kHz)	5G NR FR1 TDD	8.38	19.6
0.781	AAD	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	19.6
	Color States	5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.43	±9.6
0783	AAE	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz) 5G NB (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	SG NR FR1 TDD	8.31	±9.6
0785		5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 KHz) 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD 5G NR FR1 TDD	8.28	±9.6 ±9.6
0788	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, CPSK, 15 KHz) 5G NR (CP-OFDM, 100% RB, 28 MHz, CPSK, 15 kHz)	5G NR FRI TDO	8.40	19.6
0787	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QP5K, 15 kHz)	5G NR FR1 TDD	8.44	19.6
0788	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	50 NR FR1 TDD	8.30	+9.6
0789	AAD	5G NR (CP-DFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FRI TDO	8.37	±8.6 ±9.6
0790	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	±0.6
0791	AAE	SG NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	SG NR FR1 TDD	7.83	±0.0
0.79(2	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	SG NR FR1 TD0	7.92	±9.6
0793	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, OPSK, 30 kHz)	5G NR FRI TDD	7.95	19.6
1794	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	±9.6
0795	AAD	SG NR (CP OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.84	19.6
0796	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	SG NR FR1 TDD	7.82	±9.0
0797	AAD	5G NR (CP-OFDM, 1 R8, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.01	±9.6
0798	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, OPSK, 30 kHz)	5G NR FR1 TDD	7.89	±9.6
0799	AAD	5G NR (CP-OFOM, 1 RE, 60 MHz, QPSK, 30 kHz)	SG NR FR1 TDD	7.93	#9.6
0801	AAD	5G NR (CP OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	19.6
2080	AAD	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.87	±9.6
0803	AAD	5G NR (CP-OFOM, 1 RB, 100 MHz, OPSK, 30 kHz)	50 NR FR1 TDD	7.93	±9.6
0805	AAD	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	50 NR FR1 TDD	8.34	±9.6
0806	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	56 NR FR1 TDD	8.37	±9.6
1809	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TOD	8.34	=9.6
0180	AAD	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
0812	AAD	50 NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	±9.6
0817	AAE	5G NR (CP-OFDM, 100% RB, 5MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.35	±9.6
0618	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
0819	AAD	5G NR (CP-OFDM, 100% RB, 15MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.33	19.6
0580	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TOD	8.30	±9.6
0821	AAD	5G NR (CP OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	6.0.6
0822	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	19.6
0823	AAD	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.36	±9.6
0624	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	SG NR FR1 TOD	8.39	±9.6
0825	AAD	50 NR (CP-OFDM, 100% RB, 60 MHz, GPSK, 30 kHz)	5G NR FR1 TDD	8.41	±9.6
0827	AAD	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.42	±9.6
828	AAD	5G NR (CP-OFDM, 100% RB, 90 MHz, GPSK, 30 kHz)	5G NR FR1 TOD	8.43	±9.6

Certificate No: EX-3879_Jan23

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UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k = 2
0829	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.40	±9.6
0830	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.63	3.6±
0831	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 80 kHz)	5G NR FR1 TDD	7.73	2.9.6
0832	AAD	SG NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.74	±9.0
0834	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, CPSK, 60 kHz) 5G NR (CP-OFDM, 1 RB, 30 MHz, CPSK, 80 kHz)	5G NR FR1 TDD	7.70	±9.6
0835	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, GPSK, 80 KHz)	5G NR FR1 TDD	7.76	19.6
0836	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 80 MHz)	5G NR FR1 TDD 5G NR FR1 TDD	7.66	19.6
0837	AAD	5G NR (CP-OFDM, 1 RB, 60 MHz, OPSK, 60 kHz)	5G NR FR1 TDD	7.68	19.6
0839	AAD	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)	SG NR FR1 TDD	7.70	19.6
0840	AAD	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.67	±9.6
0841	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.71	±9.6
0843	AAD	5G NR (CP-OFDM, 50% R8, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.49	£9,6
0844	AAD	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	±9.6
0846	GAA	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6
0854	AAD	5G NR (CP-DFDM, 100% RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.94	±9.6
0855	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, OPSK, 60 kHz)	5G NR FR1 TDD	6.36	±9.6
0857	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz) 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD 5G NR FR1 TDD	8.37	+9.6
0858	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)	SG NR FR1 TDD	8.35	±9.6 ±9.6
0859	AAD	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)	SG NR FR1 TDD	8.34	19.6
0860	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)	50 NR FR1 TDD	8.41	19.6
0861	AAD.	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.40	±9.6
0.863	AAD	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6
0.864	AAD	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	±9.6
0.865	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6
0.865	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	50 NR FR1 TDD	5.68	±9-8
0.869	AAE	50 NR (DFTs-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) 50 NR (DFTs-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	50 NR FR1 TDD 50 NR FR2 TDD	5.89	±9.8
0.870	AAE	5G NR (DFTs-OFDM, 100% RB, 100 MHz, QPSK, 120 KHz)	5G NR FR2 TD0	5.86	±9.6 ±9.6
0871	AAE	5G NR (DFTs-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	5.75	19.6
0872	AAE	SG NR (DFT s-OFDM, 100% RB, 100 MHz, 18QAM, 120 kHz)	5G NR FR2 TDD	8.52	±9.6
0873	AAE	5G NR (DFT-9-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	±9.6
0574	AAE	5G NR (DFT-e-OFDM, 100% RB, 100 MHz, 64QAM, 120kHz)	5G NR FR2 TOD	6.65	±9.6
0875	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7,78	±9.8
0876	AAE	5G NR (CP-OFDM, 100% R8, 100 MHz, OPSK, 120 kHz)	5G NR FR2 TDD	8.39	±9.0
0877	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	7.95	±9.6
0878	AAE	5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) 5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD 5G NR FR2 TDD	8.41	±9.6
0880	AAE	SG NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.12	±9.6 ±9.6
0.861	AAE	5G NR (DFT-e-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	19.6
0882	AAE	5G NR (DFT-8-OFDM, 100% R8, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.96	+9.6
0883	AAE	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	50 NR FR2 TDD	6.57	#9.6
0884	AAE	5G NR (DFT-s-OFDM, 100% R8, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	0.53	29.6
0885	AAE	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	::9.6
0886	AAE	5G NR (DFT:s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	SG NR FR2 TDD	6.65	±9.6
0887	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	±9.6
0888	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TOD	8.35	±9.6
0880	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, 18QAM, 120 kHz) 5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.02	19.6
0890	AAE	5G NR (CP-OFDM, 100% HB, 50 MHz, 16QAM, 120 kHz) 5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	50 NR FR2 TDD 50 NR FR2 TDD	8.40	±9.6 ±9.6
298.0	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 123 kHz)	5G NR FR2 TDO	8.41	±9.6
0897	AAC	5G NR (DFTs-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDO	5.66	+9.6
0898	AAB	5G NR (DFT+0-OFDM, 1 R8, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDO	5.67	+9.6
0899	AAB	5G NR (DFT-a-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FRI TOO	5.67	19.6
0900	AAB	5G NR (DFT-a-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
0901	AAB	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	主9.前
0.902	AAB	53 NR (DFTs-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
0.903	AAB AAB	SG NR (DFT+-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	主9.6
0905	AAB	5G NR (DFT-s-OFDM, 1 R8, 50 MHz, QPSK, 30 Hz; 5G NR (DFT-s-OFDM, 1 R8, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
0908	AAB	5G NR (DFTs-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz) 5G NR (DFTs-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	50 NR FR1 TDD 50 NR FR1 TDD	5.68 5.68	±9.6 ±9.6
0907	AAC	SG NR (DFT= OFDM, 50% RB, 5MHz, QPSK, 304Hz)	5G NR FR1 TDD	5.78	±9.6
0908	AAB	5G NR (DFTs-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FRI TDD	5.93	±9.6
0909	AAB	5G NR (DFTs-OFDM, 50% R8, 15 MHz, QPSK, 30 kHz)	SG NR FR1 TDD	5.96	=9.6
0910	AAB	5G NR (DFT-s-OFDM, 50% R8, 20 MHz, QPSK, 30 kHz)	6G NR FR1 TDD	5.83	±9.8

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UID	Rev	Communication System Name	Group	PAR (dB)	$Unc^{E} k = 2$
0911	AAB	5G NR (DFT-6-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TOD	5.93	±9.6
0912	AAB	5G NR (DFT+-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NB FR1 TOD	5.84	19.6
0913	AAB.	5G NR (DFT+I-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	SG NR FR1 TDD	5.84	±9.6
0914	AAB	5G NR (DFT-e-OFDM, 50% R8, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TOD	5.85	±9.6
0915	AAB	5G NR (DFTs-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	19.6
0916	AAB	SO NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	19.6
0917	AAB	5G NR (DFT-0-OFDM, 50% RB, 100 MHz, QP5K, 30 kHz)	5G NR FR1 TDD	5.94	±9.6
0918	AAC	5G NR (DFT-s-OFDM, 100% RB, 5MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	±9.6
0919	AAB	50 NR (DFT-s-OFDM, 100% RB. 10 MHz, OPSK, 30 kHz)	56 NR FR1 TDD	5.86	±9.6
0.920	AAB	SG NR (DFT-s-OFDM, 100% RB, 15MHz, OPSK, 30kHz)	SG NR FRI TOD	\$.87	:0.0
0922	AAB	5G NR (DFT-s-OFDM, 100% RB, 20MHz, OPSK, 30kHz)	5G NR FR1 TDD	5.84	±9.6
0922	AAA	5G NR (DFTs-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz) 5G NR (DFTs-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD 5G NR FR1 TDD	5.84	±9.6
0924	AAB	5G NR (DFTs-OFDM, 100% RB, 40 MHz, QPSK, 30 MHz)		5.84	19.6
0925	AAB	SG NR (DF7-6-OFDM, 100% RB, 50 MHz, QPSK, 30 HHz)	5G NR FR1 TDD 5G NR FR1 TDD	5.95	±9.6 ±9.6
0926	AAB	5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	SG NR FR1 TOD	5.84	±9.6
0927	AAR	SG NA (DFT-s-OFDM, 100% AB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TOD	5.94	19.6
0928	AAC	5G NR (DFT=-OFDM, 1 RB, 5MHz, QPSK, 15kHz)	SG NR FR1 FDD	5.52	19.6
0929	AAC	SG NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15kHz)	5G NR FR1 FDD	5.52	19.6
0930	AAC	SG NR (DFT=OFDM, 1 RB, 15MHz, QPSK, 15kHz)	5G NR FR1 FDD	5.52	±9.6
0931	AAC	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, OPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
0932	AAC	5G NR (DFTs-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
0933	AAC	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	SG NR FR1 FDD	5.51	±9.6
0934	AAC	5G NR (DFT+-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	19.6
0935	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	SG NR FR1 FDD	5.51	19.6
0936	AAC	5G NR (DFT-s-OFDM, 50% RB, 5MHz, QPSK, 15kHz)	5G NR FR1 FDD	5.90	±9.6
0937	AAC	5G NR (DFTs-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.77	±9.6
0938	AAC	5G NR (DFT=-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	29.6
0939	AAC	5G NR (DFTs-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.82	±9.6
0940	AAC	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.89	±9.6
0941	AAC	5G NR (DFT-e-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	50 NR FR1 FDD	5.83	±9.6
0942	AAC	SG NR (DFT-e-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	±9.0
0943	AAD	SQ NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5,95	±9.6
0945	AAC	5G NR (DFT-s-OFDM, 100% RB, 5MHz, QPSK, 15kHz) 5G NR (DFT-s-OFDM, 100% RB, 10MHz, QPSK, 15kHz)	5G NR FR1 FDD 5G NR FR1 FDD	5.81	±9.6 ±9.6
0945	AAC	SG NR (DFT+ OFDM, 100% RB, 15MHz, QPSK, 15KHz)	SG NR FR1 FDD	5.80	19.0
0940	AAC	SG NR (DFTs-DFDM, 100% RB, 15 MRz, GPSK, 15 Mrz) SG NR (DFTs-DFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	SG NR FRI FDD	5.87	19.6
0948	AAC	SG NR (DFT-9-OFDM, 100% RB, 25MHz, QPSK, 15kHz)	5G NR FR1 FDD	5.94	19.6
0949	AAC	5G NR (DFT+-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	56 NR FR1 FDD	5.87	19.6
0950	AAC	5G NR (DFT-e-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	SG NR FR1 FDD	5.94	±9.6
0.951	AAD	50 NR (DFT-8-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.92	±9.0
0952	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.25	±9.6
0.953	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NB FR1 FOD	8.15	±9.6
0984	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.23	±9.6
0955	AAA	5G NR DL (CP-DFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.42	±9.6
0956	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR.FR1 FDD	8.14	19.6
0957	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.31	±9.6
0958	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.61	±9.6
0.959	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.33	±9.6
0960	AAC	5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 15kHz)	SG NR FR1 TDD	9.32	±9.6
0961	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64 QAM, 15 kHz)	SG NR FRI TOD	9.36	19.6
0962	AAB	5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 15kHz)	5G NR FR1 TDD	9.40	19.6
0963	AAC	5G NR DL (CP-OFDM, TM 3.1, 20MHz, 64-QAM, 15kHz)	5G NR FR1 T00	9.55	±9.6
0.965	AAB	5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 30 kHz) 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD 5G NR FR1 TDD	9.35	±9.6 ±9.6
0.966	AAB	5G NR DL (CP-OFDM, 1M 3.1, 15MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.55	±9.6
0.967	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	50 NR FR1 TDD	0.42	19.6
0968	AAB	56 NR DL (CP-OFDM, TM 3.1, 100 MHz, 54-QAM, 30 MHz)	5G NR FRT TDD	9.49	10.0
0.972	AAB	50 NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	SG NR FRI TOD	11,59	10.6
0973	AAB	SG NR (DFT:s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	SG NR FRI TDD	9.06	3.9.1
0974	AAB	5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz)	5G NR FRI TDD	10.28	±9.6
0976	AAA	ULLA BOR	ULLA	1.18	±9.6
0979	AAA	ULLA HDR4	ULLA	8.58	19.6
0860	AAA	ULLA HDR8	ULLA	10.32	±9.6
0981	AAA	ULLA HDRp4	ULLA	3.19	主9.6
0.982	AAA	ULLA HDRp8	ULEA	3.43	±9.6
-					

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		:3879	January 26, 2023		
UID	Rev	Communication System Name	Group	DAIL (4B)	Unc ^E $k = 2$
10983		5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz)	5G.NR FR1 TDD	9.31	±9.6
10984			5G NR FR1 TDD	9.42	19.6
10965	AAA		5G NR FR1 TOD	9.54	±9.6
10986			5G NR FR1 TDD	9.50	±9.6
10987			50 NR FR1 TDD	0.53	10.6
10.988		5G NR DL (CP-OFDM, TM 3.1, 70 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.38	±9.6
10989	A,A,A	5G NR DL (CP-OFDM, TM 3.1, 60 MHz, 64-CAM, 30 MHz) 5G NR DL (CP-OFDM, TM 3.1, 90 MHz, 64-CAM, 30 KHz)	5G NR FR1 TOD 5G NR FR1 TOD	9.33	±9.6
		is determined using the max, deviation from linear response a	1.10.000	9.62 on and is e	±9.6
for the	square	of the field value.			

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	ich, Switzerland		C Service suisse d'étalonnage Servizio svizzero di taratura Swiss Calibration Service
Accredited by the Swiss Accredit The Swiss Accreditation Servi Multilateral Agreement for the	ce is one of the signator	ies to the EA	Accreditation No.: SCS 0108
Client KTR (Dymster	and the second		No: D2450V2-980_Jan23
CALIBRATION	CERTIFICAT	E	the second of the a high of the second of the second of
Object	D2450V2 - SN	980	
Calibration procedure(s)	QA CAL-05 v12 Calibration Proc	edure for SAR Validation Source	es between 0.7-3 GHz
Calibration date:	January 20, 202	3	No. An Leans
All calibrations have been conduc Calibration Equipment used (M&) Primary Standards		ry facility: environment temperature $(22 \pm 3)^2$	
ower meter NRP	SN: 104778	Cal Date (Certificate No.)	Scheduled Calibration
ower sensor NRP-Z91	SN: 103244	04-Apr-22 (No. 217-03525/03524) 04-Apr-22 (No. 217-03524)	Apr-23 Apr-23
ower sensor NRP-Z91	SN: 103245	04-Apr-22 (No. 217-03525)	Apr-23
Reference 20 dB Attenuator	SN: BH9394 (20k)	04-Apr-22 (No. 217-03527)	
			Apr-23
ype-N mismatch combination	SN: 310982 / 08327	04-Apr-22 (No. 217-03528)	Apr-23 Apr-23
ype-N mismatch combination Reference Probe EX3DV4	SN: 7349	04-Apr-22 (No. 217-03528) 10-Jan-23 (No. EX3-7349_Jan23)	
ype-N mismatch combination		04-Apr-22 (No. 217-03528)	Apr-23
ype-N mismatch combination Reference Probe EX3DV4	SN: 7349	04-Apr-22 (No. 217-03528) 10-Jan-23 (No. EX3-7349_Jan23) 19-Dec-22 (No. DAE4-601_Dec22)	Apr-23 Jan-24 Dec-23
ype-N misimatch combination Reference Probe EX3DV4 IAE4	SN: 7349 SN: 601	04-Apr-22 (No. 217-03528) 10-Jan-23 (No. EX3-7349, Jan23) 19-Dec-22 (No. DAE4-801_Dec22) Check Date (in house)	Apr-23 Jan-24 Dec-23 Scheduled Check
ypo-N mismatch combination tefenance Probe EX3DV4 AAE4 iecondary Standards 'ower meter E44198 'ower sensor HP 8481A	SN: 7349 SN: 601	04-Apr-22 (No. 217-03528) 10-Jan-23 (No. EX3-7349_Jan23) 19-Dec-22 (No. DAE4-801_Dec22) Check Date (in house) 30-Oct-14 (in house check Oct-22)	Apr-23 Jam-24 Dec-23 Scheduled Check In house check: Oct-24
ype-N mismatch combination Reference Probe EX30V4 VAE4 Recondary Standards Yower meter E44198 Yower sensor HP 8481A tower sensor HP 8481A	SN: 7349 SN: 601 ID M SN: GB39512475	04-Apr-22 (No. 217-03528) 10-Jan-23 (No. EX3-7349_Jan23) 19-Dec-22 (No. DAE4-601_Dec22) Check Date (in house) 30-Oct-14 (in house check Oct-22) 07-Oct-15 (in house check Oct-22)	Apr-23 Jan-24 Dec-23 Scheduled Check In house check: Oct-24 In house check: Oct-24
Vp0-N mismatch combination Reference Probe EX3DV4 VAE4 Vewer meter E44198 Vower sensor HP 8481A Vower sensor HP 8481A Vower sensor HP 8481A F generator R&S SKT-06	SN: 7349 SN: 601 SN: GB39512475 SN: US37292783 SN: MY41093315 SN: 101972	04-Apr-22 (No. 217-03528) 10-Jan-23 (No. EX3-7349_Jan23) 19-Dec-22 (No. DAE4-601_Dec22) Check Date (in house) 30-Oct-14 (in house check Oct-22) 07-Oct-15 (in house check Oct-22) 15-Jun-15 (in house check Oct-22)	Apr-23 Jam-24 Dec-23 Scheduled Check In house check: Oct-24
ype-N mismatch combination Reference Probe EX30V4 VAE4 Recondary Standards Yower meter E44198 Yower sensor HP 8481A tower sensor HP 8481A	SN: 7349 SN: 601 SN: GB39512475 SN: US37292783 SN: MY41093315 SN: 101972	04-Apr-22 (No. 217-03528) 10-Jan-23 (No. EX3-7349_Jan23) 19-Dec-22 (No. DAE4-601_Dec22) Check Date (in house) 30-Oct-14 (in house check Oct-22) 07-Oct-15 (in house check Oct-22) 07-Oct-15 (in house check Oct-22)	Apr-23 Jan-24 Dec-23 Scheduled Check In house check: Oct-24 In house check: Oct-24 In house check: Oct-24
Vpo-N mismatch combination Reference Probe EX3DV4 VAE4 iecondary Standards Yower meter E44198 Yower sensor HP 8481A tower sensor HP 8481A Figenerator R&S SMT-06 Howrk Analyzer Agilent E8358A	SN: 7349 SN: 601 ID # SN: GB39512475 SN: US37292783 SN: WY41093315 SN: US310872 SN: US41080477 Name	04-Apr-22 (No. 217-03528) 10-Jan-23 (No. EX3-7349_Jan23) 19-Dec-22 (No. DAE4-801_Dec22) Check Date (in house) 30-Oct-14 (in house check Oct-22) 07-Oct-15 (in house check Oct-22) 07-Oct-15 (in house check Oct-22) 15-Jun-15 (in house check Oct-22) 31-Mart-14 (in house check Oct-22) Function	Apr-23 Jan-24 Dec-23 Scheduled Check In house check: Oct-24 In house check: Oct-24 In house check: Oct-24 In house check: Oct-24
Vp0-N mismatch combination Reference Probe EX3DV4 VAE4 Vewer meter E44198 Vower sensor HP 8481A Vower sensor HP 8481A Vower sensor HP 8481A F generator R&S SKT-06	SN: 7349 SN: 601 ID M SN: GB39512475 SN: US37292783 SN: WY41093315 SN: 100972 SN: US41080477	04-Apr-22 (No. 217-03528) 10-Jan-23 (No. EX3-7349, Jan23) 19-Dec-22 (No. DAE4-801_Dec22) Check Date (in house) 30-Oct-14 (in house check Oct-22) 07-Oct-15 (in house check Oct-22) 15-Jun-15 (in house check Oct-22) 31-Mar-14 (in house check Oct-22)	Apr-23 Jam-24 Dec-23 Scheduled Check In house check: Oct-24 In house check: Oct-24 In house check: Oct-24 In house check: Oct-24 In house check: Oct-24
Vpo-N mismatch combination Reference Probe EX3DV4 VAE4 iecondary Standards Yower meter E44198 Yower sensor HP 8481A tower sensor HP 8481A Figenerator R&S SMT-06 Howrk Analyzer Agilent E8358A	SN: 7349 SN: 601 ID # SN: GB39512475 SN: US37292783 SN: WY41093315 SN: US310872 SN: US41080477 Name	04-Apr-22 (No. 217-03528) 10-Jan-23 (No. EX3-7349_Jan23) 19-Dec-22 (No. DAE4-801_Dec22) Check Date (in house) 30-Oct-14 (in house check Oct-22) 07-Oct-15 (in house check Oct-22) 07-Oct-15 (in house check Oct-22) 15-Jun-15 (in house check Oct-22) 31-Mart-14 (in house check Oct-22) Function	Apr-23 Jam-24 Dec-23 Scheduled Check In house check: Oct-24 In house check: Oct-24 In house check: Oct-24 In house check: Oct-24 In house check: Oct-24

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



- Schweizerischer Kalibrierdienst Service suisse d'étalonnage
- C Service suisse d'étalonnage Servizio svizzero di taratura

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Swiss Calibration Service

Accreditation No.: SCS 0108

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

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

Calibration is Performed According to the Following Standards:

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

Additional Documentation:

c) DASY 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 source is mounted in a touch configuration below the center marking of the flat phantom.
- Return Loss: This parameter is measured with the source positioned under the liquid filled phantom (as described in the measurement condition clause). 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%.

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Measurement Conditions

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

DASY Version	DASY52	V52.10.4
Extrapolation	Advanced Extrapolation	102.10.4
Phantom	Modular Flat Phantom	
Distance Dipole Center - TSL	10 mm	with Spacer
Zoom Scan Resolution	dx, dy, dz ≈ 5 mm	
Frequency	2450 MHz ± 1 MHz	

Head TSL parameters

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	39.2	1.80 mho/m
Measured Head TSL parameters	(22.0 ± 0.2) °C	38.7 ± 6 %	1.87 mho/m ± 6 %
Head TSL temperature change during test	< 0.5 °C	1111	

SAR result with Head TSL

SAR averaged over 1 cm ³ (1 g) of Head TSL	Condition			
SAR measured	250 mW input power	13.2 W/kg		
SAR for nominal Head TSL parameters	normalized to 1W	51.5 W/kg ± 17.0 % (k=2)		
SAR averaged over 10 cm ³ (10 g) of Head TSL	condition			
SAR averaged over 10 cm ³ (10 g) of Head TSL SAR measured	condition 250 mW input power	6.10 W/kg		

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Appendix (Additional assessments outside the scope of SCS 0108)

Antenna Parameters with Head TSL

Impedance, transformed to feed point	54.2 Ω + 3.7 iΩ
Return Loss	
	- 25.4 dB

General Antenna Parameters and Design

Electrical Data (and a	
Electrical Delay (one direction)	1.159 ns
	1.100 Ha

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 be standard.

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

Additional EUT Data

Manufactured by	SPEAG

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Date: 20.01.2023



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DASY5 Validation Report for Head TSL

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:980

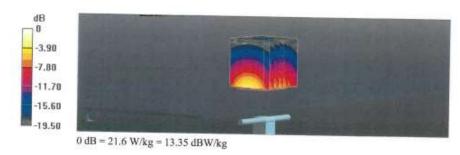
Communication System: UID 0 - CW; Frequency: 2450 MHz Medium parameters used: f = 2450 MHz; $\sigma = 1.87$ S/m; $\epsilon_r = 38.7$; $\rho = 1000$ kg/m³ Phantom section: Flat Section Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY52 Configuration:

- Probe: EX3DV4 SN7349; ConvF(7.96, 7.96, 7.96) @ 2450 MHz; Calibrated: 10.01.2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 19.12.2022
- Phantom: Flat Phantom 5.0 (front); Type: QD 000 P50 AA; Serial: 1001.
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

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

Measurement grid: dx=5mm, dy=5mm, dz=5mm Reference Value = 114.1 V/m; Power Drift = 0.03 dB Peak SAR (extrapolated) = 26.0 W/kg SAR(1 g) = 13.2 W/kg; SAR(10 g) = 6.10 W/kg Smallest distance from peaks to all points 3 dB below = 9 mm Ratio of SAR at M2 to SAR at M1 = 50.4% Maximum value of SAR (measured) = 21.6 W/kg



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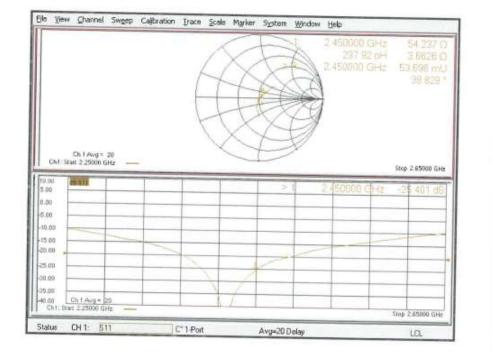
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Impedance Measurement Plot for Head TSL



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Appendix D. SAR Tissue Specifications

Measurement Procedure for Tissue verification:

- 1) The network analyzer and probe system was configured and calibrated.
- 2) The probe was immersed in the tissue. The tissue was placed in a nonmetallic container. Trapped air bubbles beneath the flange were minimized by placing the probe at a slight angle.
- 3) The complex admittance with respect to the probe aperture was measured.
- The complex relative permittivity ε' can be calculated from the below equation (Pournaropoulos and Misra):

$$Y = \frac{j2\omega\varepsilon_r\varepsilon_0}{[\ln(b/a)]^2} \int_a^b \int_a^b \int_0^a \cos\phi' \frac{\exp\left[-j\omega/(\mu_0\varepsilon_r\varepsilon_0)^{1/2}\right]}{r} d\phi' d\rho' d\rho$$

where Y is the admittance of the probe in contact with the sample, the primed and unprimed coordin ates refer to source and observation points, respectively, $r_2 = \rho_2 + \rho'_2 - 2\rho\rho'\cos\phi'$, ω is the angul ar frequency, and $j = \sqrt{-1}$.

Table B T composition of the Hoede Equivalent matter Thead								
Frequency (MHz)	2 450							
Tissue	Head							
Ingredients (% by weight)								
Bactericide	-							
DGBE	-							
HEC	-							
Nacl	0.1							
Sucrose	-							
Tween 20	45.0							
Water	54.9							

Table D-1 Composition of the Tissue Equivalent Matter - Head

Table D-2 Recommended	Tissue Dielectric	Parameters (IEC 1528-2013)

Frequency (MHz)	Relative permittivity (£',)	Conductivity (σ) (S/m)		
300	45.3	0.87		
450	43.5	0.87		
750	41.9	0.89		
835	41.5	0.90		
900	41.5	0.97		
1450	40.5	1.20		
1500	40.4	1.23		
1640	40.2	1.31		
1750	40.1	1.37		
1800	40.0	1.40		
1900	40,0	1.40		
2000	40.0	1.40		
2100	39.8	1.49		
2300	39.5	1.67		
2450	39.2	1.80		
2600	39.0	1.96		
3000	38.5	2.40		
3500	37.9	2.97		
4000	37.4	3.43		
4500	36.8	3.94		
5000	36.2	4.45		
5200	36.0	4.66		
5400	35.8	4.56		
5600	35.5	5.07		
5800	35.3	5.27		
6000	35.1	5.48		

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Figure D-1 Liquid Height for Body Position (ELI Phantom) 2



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Appendix E. SAR System Validation

Per FCC KDB 865664 D02v01r02, SAR system validation status should be documented to confirm measurement accuracy. The SAR systems (including SAR probes, system components and software versions) used for this device were validated against its performance specifications prior to the SAR measurements. Reference dipoles were used with the required tissue- equivalent media for system validation, according to the procedures outlined in FCC KDB 865664 D01v01r04 and IEEE 1528-2013.Since SAR probe calibrations are frequency dependent, each probe calibration point was validated at a frequency within the valid frequency range of the probe calibration point, using the system that normally operates with the probe for routine SAR measurements and according to the required tissue-equivalent media.

A tabulated summary of the system validation status including the validation date(s), measurement frequencies, SAR probes and tissue dielectric parameters has been included.

SAR	SAR	Freq.		Probe	Probe	Probe CAL.		PERM.	COND.	(CW Validation	ı	МС	D. Validati	on
	System	[MHz]	Date	SN	Туре		Point	(ɛr)	(σ)	Sensi- tivity	Probe Linearity	Probe Isortopy	MOD. Type	Duty Factor	PAR
	SAR#1	2450	2023-02-13	3879	EX3DV4	2450	Head	39.511	1.824	PASS	PASS	PASS	OFDM	N/A	PASS

Table E-1 Liquid Height for Body Position (ELI Phantom)

NOTE: While the probes have been calibrated for both a CW and modulated signals, all measurements were performed using communication systems calibrated for CW signals only. Modulations in the table above represent test configurations for which the measurement system has been validated per FCC KDB Publication 865664 D01v01r04 for scenarios when CW probe calibrations are used with other signal types. SAR systems were validated for modulated signals with a periodic duty cycle, such as GMSK, or with a high peak to average ratio (>5 dB), such as OFDM according to KDB 865664.

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