RF Exposure report

The following samples were submitted and identified on behalf of the client as:

Product Name	Rugged Tablet
Brand Name	RuggON
Model No.	LUNA 3XXXXXXXXX (X can be any alphanumeric or blank for different marketing)
Applicant	RuggON Corporation 4F,No. 298, Yangguang St., Neihu District Taipei City, 11491, Taiwan
Standards	IEEE/ANSI C95.1-1992, IEEE 1528-2013
FCC ID	2ABTU-EM74B
Date of EUT Receipt	Nov. 10, 2022
Date of Test(s)	Nov. 17, 2022 ~ Nov. 24, 2022
Date of Issue	Dec. 08, 2022

In the configuration tested, the EUT complied with the standards specified above.

Remarks:

This report details the results of the testing carried out on one sample, the results contained in this test report do not relate to other samples of the same product. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

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Signed on behalf of SGS

Clerk / Kimmy Chiou	PM / Jasper Wang	Approved By / John Yeh
Kimmy Chiou	Jasper Wang	John Yeh

Date: Dec. 08, 2022

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Revision History

Report Number	Revision	Description	Issue Date	Revised By	Remark
TESA2210000394EN	00	Initial creation of document	Dec. 08, 2022	Kimmy Chiou	

Note:

1. The mark " * " is the revised version of the report due to comments submitted by the certification.
2. The data for this test report WLAN leverages the measurements from the original test report TESA2206000138EN.

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1 GENERAL INFORMATION

1.1 Test Methodology

The SAR testing method and procedure for this device is in accordance with the following standards:
IEEE/ANSI C95.1-1992
IEEE 1528-2013
KDB447498D01v06
KDB865664D01v01r04
KDB865664D02v01r02
KDB616217D04v01r02
KDB941225D01v03r01
KDB941225D05v02r05
KDB941225D05Av01r02
KDB248227D01v02r01
IEC/IEEE 62209-1528:2020
SPEAG DASY6 System Handbook
SPEAG DASY6 Application Note (Interim Procedure for Device Operation at 6GHz-10GHz)
IEC TR 63170:2018
IEC 62479:2010

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1.2 Description of EUT

Product Name	Rugged Tablet	
Brand Name	RuggON	
Model No.	LUNA 3XXXXXXXXX (X can be any alphanumeric or blank for different marketing)	
FCC ID	2ABTU-EM74B	
Integrated WWAN Module	Brand Name: AirPrime Model Name: EM7411	
Integrated WLAN Module	Brand Name: Intel® Wi-Fi 6E AX210 Model Name: AX210D2W	
Duty Cycle	WCDMA	1
	LTE FDD	1
	LTE TDD	0.633
	WLAN802.11	Refer to page 198~200
	Bluetooth	76.4%
Supported radios (TX Frequency Range, MHz)	WCDMA Band II	1850-1910
	WCDMA Band IV	1710-1755
	WCDMA Band V	824-849
	LTE FDD Band 2	1850-1910
	LTE FDD Band 4	1710-1755
	LTE FDD Band 5	824-849
	LTE FDD Band 7	2500-2570
	LTE FDD Band 12	699-716
	LTE FDD Band 13	777-787
	LTE FDD Band 14	788-798
	LTE FDD Band 25	1850-1915
	LTE FDD Band 26	814-849
	LTE TDD Band 38	2570-2620
	LTE TDD Band 41	2496-2690

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	LTE TDD Band 42	3400-3600
	LTE TDD Band 43	3600-3800
	LTE TDD Band 48	3550-3700
	LTE FDD Band 66	1710-1780
	LTE FDD Band 71	663-698
	802.11 b/g/n/ax	2.4GHz (2400.0 – 2483.5 MHz)
	802.11a/n/ac/ax	5.2GHz (5150.0 – 5250.0 MHz) 5.3GHz (5250.0 – 5350.0 MHz) 5.6GHz (5470.0 – 5725.0 MHz) 5.8GHz (5725.0 – 5850.0 MHz)
	Bluetooth 5.2	2.4GHz (2400.0 – 2483.5 MHz)
	802.11a/n/ac/ax	6.0GHz (5925.0-7125.0MHz)

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1.3 Maximum value

WWAN

Full Power

Summary of Maximum SAR Value	
Mode	Highest SAR 1g Body (W/kg)
LTE _Band 42	0.74

Down Power

Summary of Maximum SAR Value	
Mode	Highest SAR 1g Body (W/kg)
LTE _Band 48	0.66

WLAN

Summary of Maximum SAR and Power Density Value			
Mode	Highest SAR 1g Body (W/kg)	Highest APD (W/m^2)	Highest PD (W/m^2)
Bluetooth(GFSK)	0.04	N/A	N/A
2.4G WLAN	0.14	N/A	N/A
5G WLAN	1.14	N/A	N/A
6G WLAN	0.15	0.88	1.68

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1.4 Antenna Information

WWAN

Vendor	Anjie							
Antenna	PIFA							
Part Number	AJFQ1J-B0001							
Frequency(MHz)	699~716	777~798	814~849	1710~1780	1850~1915	2300~2400	2496~2690	3550-3800
Gain (dBi)	-2.80	-1.10	-1.90	-0.40	-0.20	1.10	-2.50	-6.70

WLAN

Tablet mode_WLAN

Vendor	Anjie								
Antenna	Main (PIFA)								
Part Number	AJDQ1J-B0035								
Frequency(MHz)	2400~2500	5150~5250	5250~5350	5470~5725	5725~5850	5925~6425	6425~6525	6525~6875	6875~7125
Gain (dBi)	0.50	1.40	1.40	1.60	2.30	2.80	2.00	2.20	1.40

Vendor	Unictron								
Antenna	Aux (PIFA)								
Part Number	H2M1J616124300								
Frequency(MHz)	2400~2500	5150~5250	5250~5350	5470~5725	5725~5850	5925~6425	6425~6525	6525~6875	6875~7125
Gain (dBi)	1.5	2.20	2.2	2.2	2.2	2.50	2.50	2.50	2.50

Note: Antenna information is provided by the applicant.

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2 MEASUREMENT SYSTEM

2.1 Test Facility

Laboratory	Test Site Address	Test Site Name	FCC Designation number	IC CAB identifier
SGS Taiwan Ltd. Central RF Lab. (TAF code 3702)	**1F, No. 8, Alley 15, Lane 120, Sec. 1, NeiHu Road, Neihu District, Taipei City, 11493, Taiwan.**	SAR 2	**TW0029**	TW3702
		SAR 6		
	No. 2, Keji 1st Rd., Guishan Township, Taoyuan County, 33383, Taiwan	SAR 1	TW0028	
		SAR 4		
	No.134, Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan	SAR 3	TW0027	
		SAR 7		
Note: Test site name is remarked on the equipment list in each section of this report as an indication where measurements occurred in specific test site and address.				

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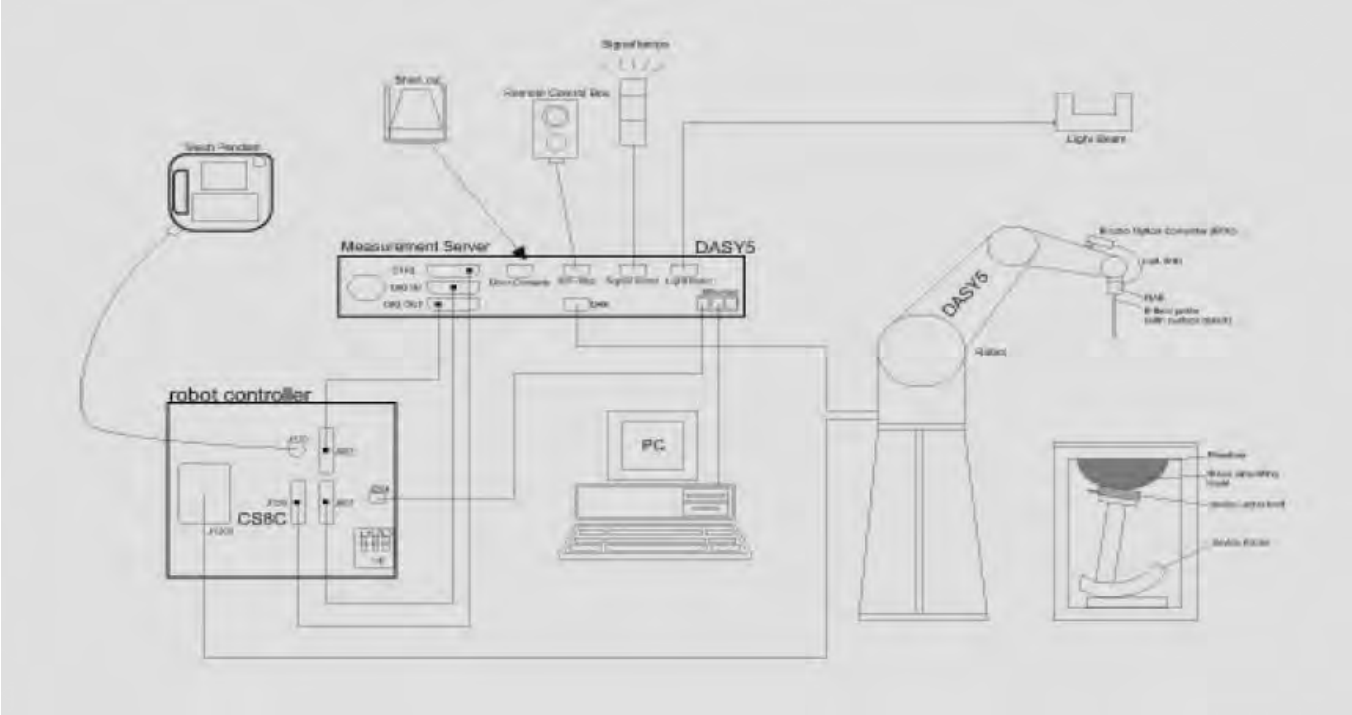
2.2 SAR System

Block Diagram (DASY5)

A block diagram of the SAR measurement System is given in below. This SAR measurement system uses a computer-controlled 3-D stepper motor system (SPEAG DASY 5 professional system). The model EX3DV4 field probe is used to determine the internal electric fields. The SAR can be obtained from the equation SAR= σ ($|Ei|^2$)/ ρ where σ and ρ are the conductivity and mass density of the tissue-simulant.



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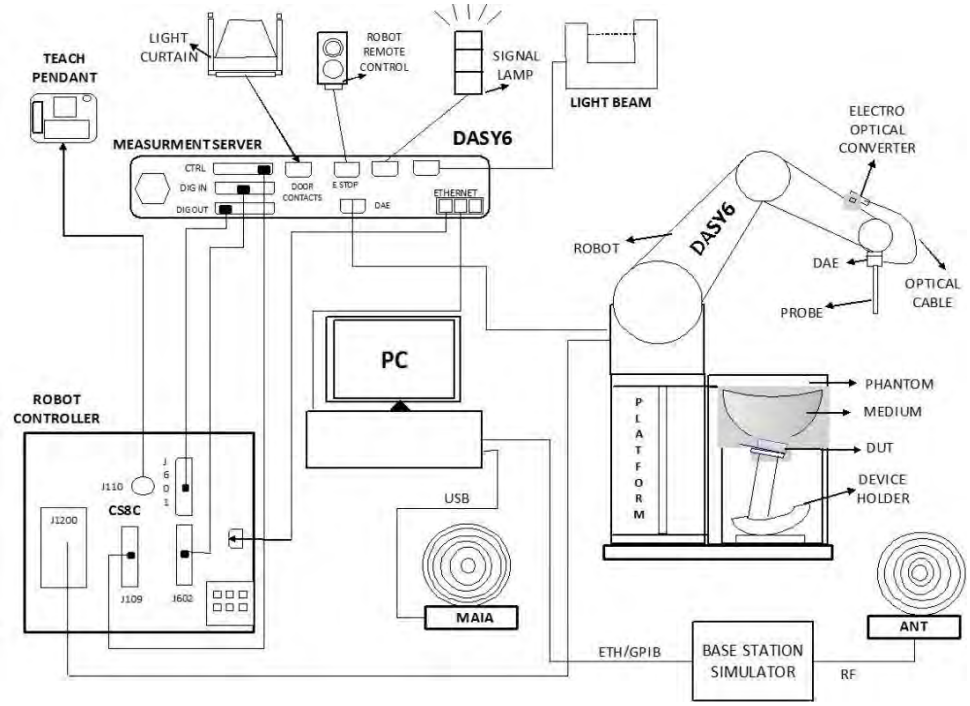
Block Diagram (DASY6)

The DASY system used for performing compliance tests consists of the following items:



- A standard high precision 6-axis robot with controller, teach pendant and software. An arm extension for accommodating the data acquisition electronics (DAE).
- An isotropic field probe optimized and calibrated for the targeted measurement.
- A data acquisition electronics (DAE) which performs the signal amplification, signal multiplexing, AD-conversion, offset measurements, mechanical surface detection, collision detection, etc. The unit is battery powered with standard or rechargeable batteries. The signal is optically transmitted to the EOC.
- The Electro-optical converter (EOC) performs the conversion from optical to electrical signals for the digital communication to the DAE. To use optical surface detection, a special version of the EOC is required. The EOC signal is transmitted to the measurement server.
- The function of the measurement server is to perform the time critical tasks such as signal filtering, control of the robot operation and fast movement interrupts.
- The Light Beam used is for probe alignment. This improves the (absolute) accuracy of the probe positioning.
- A computer running Windows 10 and the DASY6 software.
- Remote control and teach pendant as well as additional circuitry for robot safety such as warning lamps, etc.
- The phantom, the device holder and other accessories according to the targeted measurement.

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EX3DV4 E-Field Probe

Construction	Symmetrical design with triangular core Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., DGBE)	
Calibration	Basic Broad Band Calibration in air Conversion Factors (CF) for HSL 750/835/1750/1900/2450/2600/3500/3700/ 5250/5600/5750/6500/7000 MHz Additional CF for other liquids and frequencies upon request	
Frequency	10 MHz to > 6 GHz	
Directivity	± 0.3 dB in HSL (rotation around probe axis) ± 0.5 dB in tissue material (rotation normal to probe axis)	
Dynamic Range	10 µW/g to > 100 mW/g Linearity: ± 0.2 dB (noise: typically < 1 µW/g)	
Dimensions	Tip diameter: 2.5 mm	
Application	High precision dosimetric measurements in any exposure scenario (e.g., very strong gradient fields). Only probe which enables compliance testing for frequencies up to 6 GHz with precision of better 30%.	

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PHANTOM (ELI)

Model	ELI	
Construction	The ELI phantom is used for compliance testing of handheld and body-mounted wireless devices in the frequency range of 30 MHz to 6 GHz. ELI is fully compatible with the IEC 62209-2 standard and all known tissue simulating liquids. ELI has been optimized regarding its performance and can be integrated into our standard phantom tables. A cover prevents evaporation of the liquid. Reference markings on the phantom allow installation of the complete setup, including all predefined phantom positions and measurement grids, by teaching three points. The phantom is compatible with all SPEAG dosimetric probes and dipoles.	
Shell Thickness	2 ± 0.2 mm	
Filling Volume	Approx. 30 liters	
Dimensions	Major axis: 600 mm Minor axis: 400 mm	

DEVICE HOLDER (ELI)

Construction	The device holder (Supporter) for Notebook is made by POM (polyoxymethylene resin) , which is non-metal and non-conductive. The height can be adjusted to fit varies kind of notebooks.	 Device Holder

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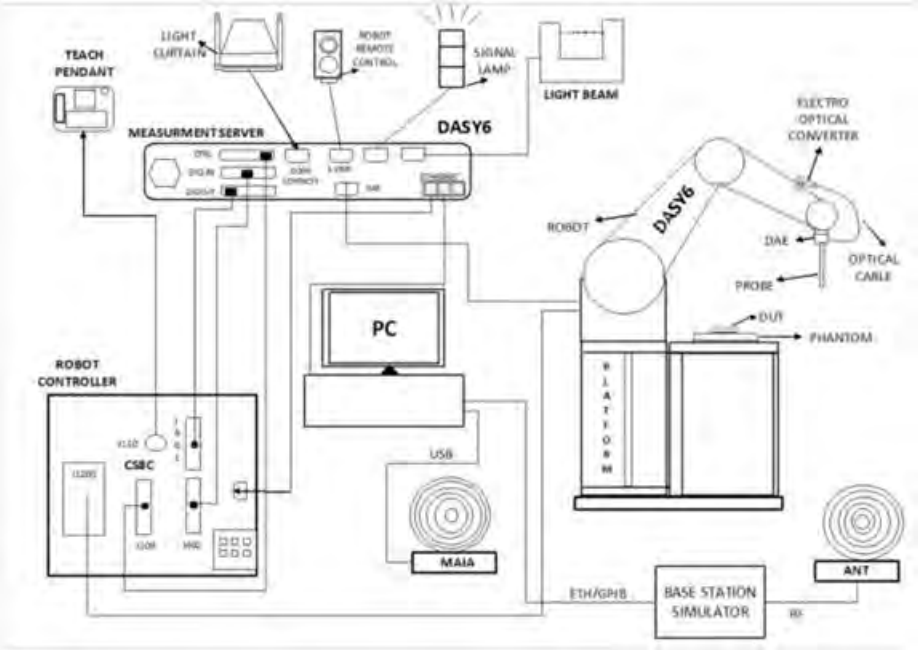
2.3 PD system

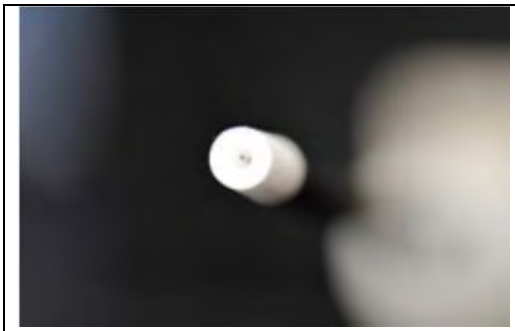
Block Diagram (DASY6)

Power density measurements for mmWave frequencies were performed using SPEAG DASY6 with cDASY6 5G module. The DASY6 included a high precision robotics system (Staubli), robot controller, desktop computer, near-field probe, probe alignment sensor, and the 5G phantom cover.



EUmmWVx probe

The EUmmWVx probe is based on the pseudo-vector probe design, which not only measures the field magnitude but also derives its polarization ellipse. The design entails two small 0.8mm dipole sensors mechanically protected by high-density foam, printed on both sides of a 0.9mm wide and 0.12mm thick glass substrate. The body of the probe is specifically constructed to minimize distortion by the scattered fields. The probe consist of two sensors with different angles (1 and 2) arranged in the same plane in the probe axis. Three or more measurements of the two sensors are taken for different probe rotational angles to derive the amplitude and polarization information. The probe design allows measurements at distances as small as 2mm from the sensors to the surface of the device under test (DUT). The typical sensor to probe tip distance is 1.5 mm. The exact distance is calibrated.

	Two dipoles optimally arranged to obtain pseudo-vector information.Minimum 3 measurements/ point, 120º rotated around probe axis. Sensors (0.8mm length) printed on glass substrate protected by high density foam.Low perturbation of the measured field. Requires positioner which can do accurate probe rotation.
Frequency Range	750 MHz – 110 GHz

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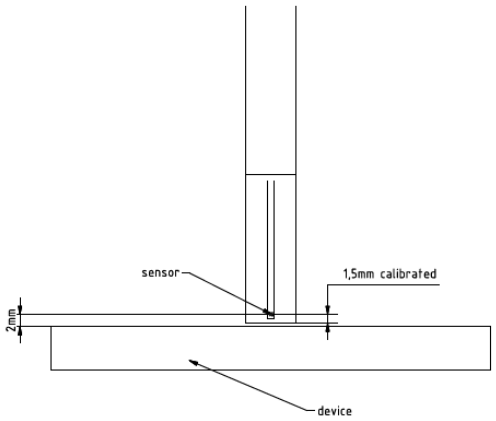
Dynamic Range	< 20 V/m – 10,000 V/m with PRE-10 (min < 50 V/m - 3000 V/m)
Position Precision	< 0.2 mm (DASY6)
Dimensions	Overall length: 337 mm (tip: 20 mm) Tip diameter: encapsulation 8 mm (internal sensor < 1mm) Distance from probe tip to dipole centers: < 2 mm. Sensor displacement to probe's calibration point: < 0.3 mm
Applications	 E-field measurements of 5G devices and other mm-wave transmitters operating above 10GHz in < 2 mm distance from device (free-space).Power density, H-field and far-field analysis using total field reconstruction (cDASY6 5G module required)
Compatibility	cDASY6 + 5G-Module SW1.0 and higher

mmWave Phantom

The mmWave Phantom approximates free-space conditions, allowing for the evaluation of the antenna side of the device and the front (screen) side or any opposite-radiating side of wireless devices operating above 10 GHz without distorting the RF field. It consists of a 40mm thick Rohacell plate used as a test bed, which has a loss tangent ($\tan \delta$) $\leq$ 0.05 and a relative permittivity (ϵr) $\leq$ 1.2. High-performance RF absorbers are placed below the foam.

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3 SAR SYSTEM VERIFICATION

3.1 Tissue Simulating Liquid

For the measurement of the field distribution inside the SAM phantom with DASY, the phantom must be filled with homogeneous tissue simulating liquid. For head SAR testing, the liquid height from the ear reference point (ERP) of the phantom to the liquid top surface is larger than 15cm. For body SAR testing, the liquid height from the center of the flat phantom to the liquid top surface is larger than 15cm.

3.2 Tissue Simulant Liquid measurement

The dielectric properties for this Head-simulant fluid were measured by using the SPEAG Dielectric Assessment Kit (DAKS-3.5)
All dielectric parameters of tissue simulates were measured within 24 hours of SAR measurements. The measured conductivity and permittivity are all within ± 5% of the target values.

3.3 Measurement results of Tissue Simulant Liquid

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Tissue Type	Measurement Date	Measured Frequency (MHz)	Target Dielectric Constant, εr	Target Conductivity, σ (S/m)	Measured Dielectric Constant, εr	Measured Conductivity, σ (S/m)	% dev εr	% dev σ
Head	Nov, 17. 2022	673	42.311	0.885	42.522	0.848	0.50%	-4.17%
		680.5	42.271	0.885	42.491	0.852	0.52%	-3.77%
		688	42.231	0.886	42.435	0.859	0.48%	-3.03%
		704	42.145	0.887	42.373	0.863	0.54%	-2.70%
		707.5	42.127	0.887	42.291	0.864	0.39%	-2.61%
		711	42.108	0.887	42.272	0.865	0.39%	-2.52%
		750	41.900	0.890	42.112	0.906	0.51%	1.80%
		782	41.749	0.894	42.01	0.925	0.62%	3.49%
		793	41.698	0.895	41.926	0.937	0.55%	4.69%
	Nov, 18. 2022	821.5	41.564	0.898	42.051	0.867	1.17%	-3.50%
		826.4	41.540	0.899	42.025	0.873	1.17%	-2.89%
		829	41.528	0.899	41.987	0.879	1.10%	-2.26%
		831.5	41.516	0.900	41.971	0.882	1.09%	-1.96%
		835	41.500	0.900	41.957	0.888	1.10%	-1.33%
		836.6	41.500	0.902	41.952	0.891	1.09%	-1.19%
		841.5	41.500	0.907	41.921	0.9	1.01%	-0.77%
		844	41.500	0.910	41.92	0.904	1.01%	-0.63%
		846.6	41.500	0.912	41.913	0.908	1.00%	-0.49%
	Nov, 19. 2022	1712.4	40.125	1.350	40.58	1.321	1.13%	-2.14%
		1720	40.114	1.354	40.529	1.343	1.03%	-0.83%
		1732.4	40.097	1.361	40.516	1.356	1.05%	-0.39%
		1732.5	40.096	1.361	40.515	1.355	1.04%	-0.47%
		1745	40.079	1.369	40.499	1.37	1.05%	0.10%
		1750	40.071	1.371	40.48	1.375	1.02%	0.26%
		1752.6	40.068	1.373	40.469	1.377	1.00%	0.30%
		1770	40.043	1.383	40.432	1.398	0.97%	1.10%
	Nov, 20. 2022	1852.4	40.000	1.400	40.311	1.399	0.78%	-0.07%
		1860	40.000	1.400	40.303	1.407	0.76%	0.50%
		1880	40.000	1.400	40.292	1.425	0.73%	1.79%
		1882.5	40.000	1.400	40.288	1.428	0.72%	2.00%
		1900	40.000	1.400	40.276	1.446	0.69%	3.29%
		1905	40.000	1.400	40.271	1.452	0.68%	3.71%
		1907.6	40.000	1.400	40.267	1.456	0.67%	4.00%
	Nov, 21. 2022	2506	39.125	1.860	39.28	1.884	0.40%	1.30%
		2510	39.120	1.864	39.277	1.889	0.40%	1.34%
		2535	39.087	1.891	39.252	1.911	0.42%	1.08%
		2549.5	39.067	1.906	39.222	1.923	0.40%	0.88%
		2560	39.053	1.917	39.175	1.932	0.31%	0.76%
		2593	39.009	1.953	39.091	1.958	0.21%	0.28%
		2600	39.000	1.960	39.086	1.964	0.22%	0.20%
		2636.5	38.954	2.000	39.012	1.994	0.15%	-0.31%
		2680	38.900	2.048	38.935	2.03	0.09%	-0.88%
	Nov, 22. 2022	2506	39.125	1.860	39.362	1.878	0.60%	0.98%
		2510	39.120	1.864	39.359	1.883	0.61%	1.02%
		2535	39.087	1.891	39.334	1.905	0.63%	0.76%
		2549.5	39.067	1.906	39.304	1.917	0.61%	0.57%
		2560	39.053	1.917	39.257	1.926	0.52%	0.45%
		2593	39.009	1.953	39.171	1.952	0.41%	-0.03%
		2600	39.000	1.960	39.168	1.958	0.43%	-0.10%
		2636.5	38.954	2.000	39.094	1.986	0.36%	-0.71%
		2680	38.900	2.048	39.017	2.024	0.30%	-1.17%
	Nov, 23. 2022	3410	38.008	2.818	39.093	2.815	2.85%	-0.11%
		3500	37.900	2.910	38.951	2.901	2.77%	-0.31%
		3560	37.840	2.972	38.861	2.957	2.70%	-0.52%
		3590	37.810	3.004	38.832	2.985	2.70%	-0.62%
	Nov, 24. 2022	3609	37.791	3.023	38.779	3.002	2.61%	-0.71%
		3610	37.790	3.024	38.776	3.006	2.61%	-0.61%
		3641	37.759	3.057	38.705	3.038	2.51%	-0.61%
		3690	37.710	3.108	38.621	3.086	2.42%	-0.70%
		3700	37.700	3.118	38.607	3.095	2.41%	-0.74%
		3790	37.610	3.212	38.474	3.188	2.30%	-0.73%

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Measured Frequency (MHz)	Liquid Temp. (°C)	Target Dielectric Constant, εr	Target Conductivity, σ (S/m)	Measured Dielectric Constant, εr	Measured Conductivity, σ (S/m)	% devεr	% devσ	Limit	Measurement Date
2402	22.1	39.282	1.757	37.779	1.803	-3.83%	2.60%	± 5%	Jun. 20, 2022
2412	22.1	39.265	1.766	37.758	1.812	-3.84%	2.60%	± 5%	Jun. 20, 2022
2437	22.1	39.222	1.788	37.721	1.832	-3.83%	2.44%	± 5%	Jun. 20, 2022
2441	22.1	39.215	1.792	37.716	1.835	-3.82%	2.41%	± 5%	Jun. 20, 2022
2450	22.1	39.200	1.800	37.709	1.842	-3.80%	2.36%	± 5%	Jun. 20, 2022
2462	22.1	39.184	1.813	37.690	1.852	-3.81%	2.17%	± 5%	Jun. 20, 2022
2480	22.1	39.160	1.832	37.677	1.867	-3.79%	1.90%	± 5%	Jun. 20, 2022
5190	21.8	36.010	4.650	37.148	4.562	3.16%	-1.87%	± 5%	Jun. 21, 2022
5230	21.8	35.970	4.690	36.930	4.635	2.67%	-1.17%	± 5%	Jun. 21, 2022
5250	21.8	35.950	4.710	36.897	4.666	2.63%	-0.94%	± 5%	Jun. 21, 2022
5270	21.8	35.930	4.730	36.876	4.696	2.63%	-0.73%	± 5%	Jun. 21, 2022
5310	21.8	35.890	4.770	36.690	4.754	2.23%	-0.34%	± 5%	Jun. 21, 2022
5530	22.0	35.605	4.997	36.043	5.036	1.23%	0.78%	± 5%	Jun. 22, 2022
5600	22.0	35.500	5.070	35.917	5.119	1.18%	0.97%	± 5%	Jun. 22, 2022
5610	22.0	35.490	5.080	35.871	5.133	1.07%	1.05%	± 5%	Jun. 22, 2022
5690	22.0	35.410	5.160	35.632	5.234	0.63%	1.43%	± 5%	Jun. 22, 2022
5750	22.3	35.350	5.220	36.357	5.391	2.85%	3.27%	± 5%	Jun. 23, 2022
5755	22.3	35.345	5.225	36.356	5.396	2.86%	3.26%	± 5%	Jun. 23, 2022
5795	22.3	35.305	5.265	35.313	5.438	0.02%	3.29%	± 5%	Jun. 23, 2022
6025	22.4	35.070	5.510	36.162	5.703	3.11%	3.52%	± 5%	Jun. 24, 2022
6185	22.4	34.878	5.698	35.970	5.875	3.13%	3.10%	± 5%	Jun. 24, 2022
6345	22.4	34.686	5.887	35.778	6.048	3.15%	2.73%	± 5%	Jun. 24, 2022
6500	22.4	34.500	6.070	35.592	6.216	3.17%	2.41%	± 5%	Jun. 24, 2022
6505	22.4	34.494	6.076	35.586	6.221	3.17%	2.40%	± 5%	Jun. 24, 2022
6665	22.4	34.302	6.261	35.394	6.396	3.18%	2.16%	± 5%	Jun. 24, 2022
6825	22.4	34.110	6.447	35.202	6.572	3.20%	1.94%	± 5%	Jun. 24, 2022
6985	22.2	33.918	6.633	35.010	6.749	3.22%	1.76%	± 5%	Jun. 24, 2022
7000	22.2	33.900	6.650	34.992	6.766	3.22%	1.74%	± 5%	Jun. 24, 2022

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3.4 The composition of the tissue simulating liquid:

Simulating Liquids for 600 MHz -10 GHz, Manufactured by SPEAG:

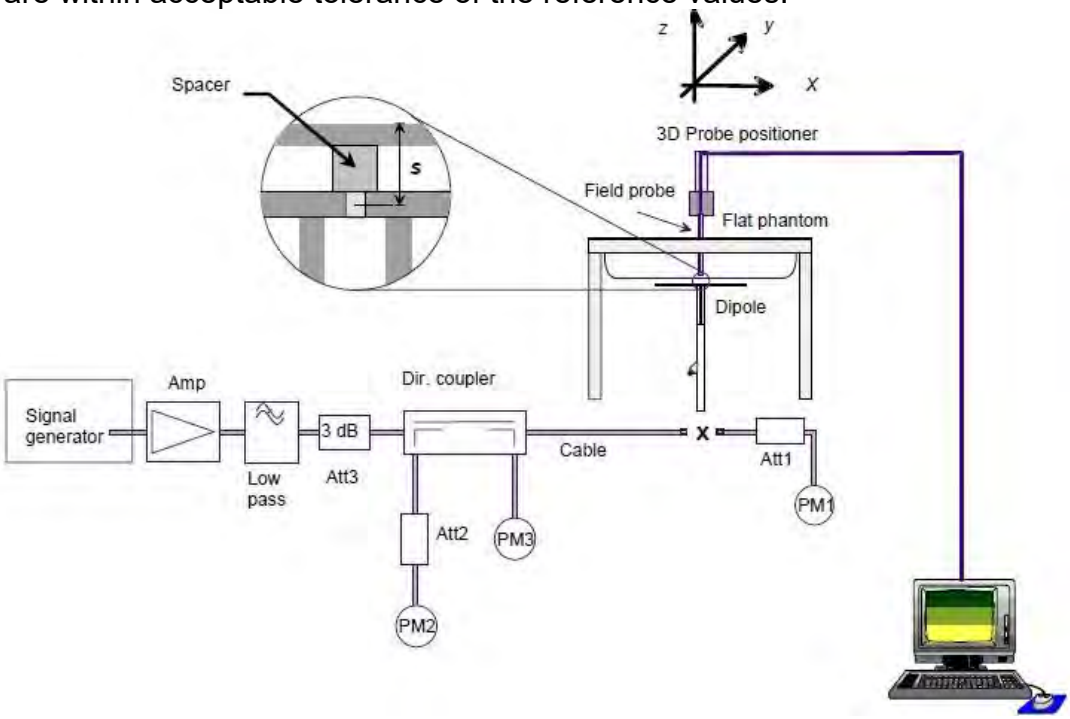
Broad-band head tissue simulating liquids	SPEAG Product	Frequency range (MHz)	Main Ingredients
	HBBL600-10000V6	600 - 10000	Water, Oil

3.5 System check

The microwave circuit arrangement for system check is sketched in below. The daily system accuracy verification occurs within the flat section of the SAM phantom and ELI phantom. A SAR measurement was performed to see if the measured SAR was within +/- 10% from the target SAR values.

The tests were conducted on the same days as the measurement of the DUT. The obtained results from the system accuracy verification are displayed with SAR values normalized to 1W forward power delivered to the dipole.

During the tests, the liquid depth from the center of the flat phantom to the liquid top surface was 15 cm above in all the cases. It is seen that the system is operating within its specification, as the results are within acceptable tolerance of the reference values.



The block diagram of system check

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3.6 System check results

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Validation Kit	S/N	Frequency (MHz)	1W Target 1g-SAR (W/kg)	pin=250mW Measured 1g-SAR (W/kg)	Normalized to 1W 1g-SAR (W/kg)	Deviation (%)	Limit	Measurement Date
D750V3	1015	750	8.56	2.09	8.36	-2.34	± 10%	Nov.17,2022
D835V2	4d063	835	9.82	2.53	10.12	3.05	± 10%	Nov.18,2022
D1750V2	1008	1750	36.4	8.98	35.92	-1.32	± 10%	Nov.19,2022
D1900V2	5d173	1900	39.6	10.2	40.8	3.03	± 10%	Nov.20,2022
D2600V2	1005	2600	56.8	14.1	56.4	-0.70	± 10%	Nov.21,2022
D2600V2	1005	2600	56.8	14.3	57.2	0.70	± 10%	Nov.22,2022
Validation Kit	S/N	Frequency (MHz)	1W Target 1g-SAR (W/kg)	pin=100mW Measured 1g-SAR (W/kg)	Normalized to 1W 1g-SAR (W/kg)	Deviation (%)	Limit	Measurement Date
D3500V2	1009	3500	65.2	6.52	65.2	0.00	± 10%	Nov.23,2022
D3700V2	1074	3700	68.5	6.7	67	-2.19	± 10%	Nov.24,2022

WLAN

Validation Kit	S/N	Frequency (MHz)	1W Target 1g-SAR (W/kg)	pin=250mW Measured 1g-SAR (W/kg)	Normalized to 1W 1g-SAR (W/kg)	Deviation (%)	Limit	Measurement Date
D2450V2	727	2450	52.8	13	52	-1.52	± 10%	Jun.20,2022
Validation Kit	S/N	Frequency (MHz)	1W Target 1g-SAR (W/kg)	pin=100mW Measured 1g-SAR (W/kg)	Normalized to 1W 1g-SAR (W/kg)	Deviation (%)	Limit	Measurement Date
D5GHzV2	1023	5250	81	7.79	77.9	-3.83	± 10%	Jun.21,2022
D5GHzV2	1023	5600	84.4	8.03	80.3	-4.86	± 10%	Jun.22,2022
D5GHzV2	1023	5750	81	7.81	78.1	-3.58	± 10%	Jun.23,2022
Validation Kit	S/N	Frequency (MHz)	1W Target 1g-SAR (W/kg)	pin=100mW Measured 1g-SAR (W/kg)	Normalized to 1W 1g-SAR (W/kg)	Deviation (%)	Limit	Measurement Date
D6.5GHzV2	1006	6500	291	29.5	295	1.37	± 10%	Jun.24,2022
D7GHzV2	1007	7000	275	26.7	267	-2.91	± 10%	Jun.24,2022

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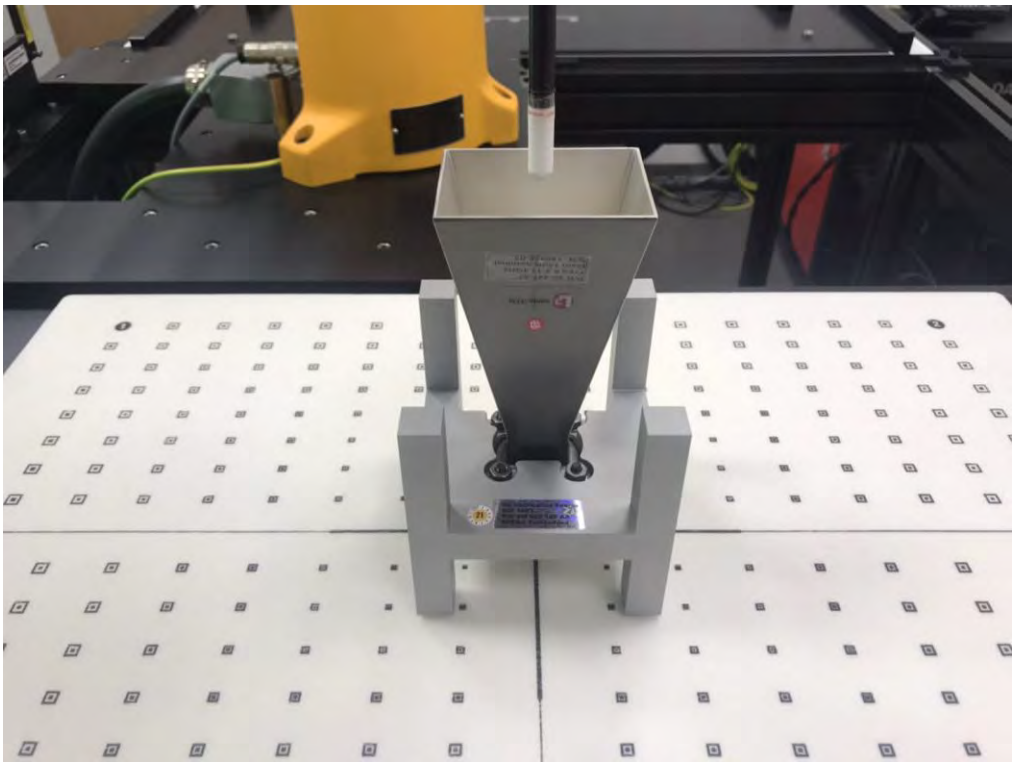
4 PD SYSTEM VERIFICATION

4.1 System check

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

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



System Verification Setup Photo

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4.2 System check result

The system was verified to be within ±0.66 dB of the power density targets on the calibration certificate according to the test system specification in the user's manual and calibration facility recommendation. The 0.66 dB deviation threshold represents the expanded uncertainty for system performance checks using SPEAG's mmWave verification sources. The same spatial resolution and measurement region used in the source calibration was applied during the system check. The measured power density distribution of verification source was also confirmed through visual inspection to have no noticeable differences, both spatially (shape) and numerically (level) from the distribution provided by the manufacturer, per November 2017 TCBC Workshop Notes.

Frequency (MHz)	PD Verification Source (MHz)	Probe S/N	DAE S/N	Distance (mm)	Prad (mW)	Measured 4cm^2 (W/m^2)	Target 4cm^2 (W/m^2)	Deviation (dB)	Date
10000	10000	9579	558	10	86.1	54.2	51.7	0.21	Jun.25,2022

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5 TEST CONFIGURATIONS

5.1 Test Environment

Ambient Temperature: 22±2° C
Tissue Simulating Liquid: 22±2° C

5.2 Test Note

1. **General:** Measurements are performed respectively on the lowest, middle and highest channels of the operating band(s).
2. **General:** The EUT is set to maximum power level during all tests, and at the beginning of each test the battery is fully charged.
3. **General:** During the SAR testing, the DASY system checks power drift by comparing the e-field strength of one specific location measured at the beginning with that measured at the end of the SAR testing.
4. **General:** According to KDB447498D01v06, testing of other required channels is not required when the reported 1-g SAR for the highest output channel is ≤ 0.8 W/kg, when the transmission band is ≤ 100 MHz.
5. **General:** According to KDB865664D01v01r04, SAR measurement variability must be assessed for each frequency band. When the original highest measured SAR is ≥ 0.8 W/kg, repeated that measurement once. Perform a second repeated measurement only if the ratio of largest to smallest SAR for the original and first repeated measurements is > 1.20 or when the original or repeated measurement is ≥ 1.45 W/kg (~ 10% from the 1-g SAR limit).
6. **UMTS (HSDPA):** The 3G SAR test reduction procedure is applied to HSDPA with 12.2 kbps RMC as the primary mode. Since the maximum output power in a secondary mode (HSDPA) is ≤ ¼ dB higher than the primary mode (WCDMA), SAR measurement is not required for the secondary mode (HSDPA). The following 4 sub-tests were completed according to Release 5 procedures in section 5.2 of 3GPP TS 34.121. A summary of these setting are illustrated below:

Sub-test	β_c	β_d	β_d *(SF)*	β_c/β_d	β_{hs} (1)	CM (dB) (2)
1	2/15	15/15	64	2/15	4/15	0.0
2	12/15 (3)	15/15 (3)	64	12/15 (3)	24/15	1.0
3	15/15	8/15	64	15/8	30/15	1.5
4	15/15	4/15	64	15/4	30/15	1.5

Note 1: Δ_{ACK}, Δ_{NACK} and $\Delta_{CQI} = 8 \Leftrightarrow A_{hs} = \beta_{hs}/\beta_c = 30/15 \Leftrightarrow \beta_{hs} = 30/15 * \beta_c$
Note 2: CM = 1 for β_c/β_d =12/15, β_{hs}/β_c=24/15.
Note 3: For subtest 2 the β_c/β_d ratio of 12/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signaled gain factors for the reference TFC (TF1, TF1) to β_c = 11/15 and β_d = 15/15.

7. **UMTS (HSPA):** The 3G SAR test reduction procedure is applied to HSPA (HSUPA/HSDPA with RMC) with 12.2 kbps RMC as the primary mode. Since the maximum output power in a secondary mode (HSPA) is ≤ ¼ dB higher than the primary mode (WCDMA), SAR measurement is not required for the secondary mode (HSPA). The following 5 sub-tests were completed according to Release 6 procedures in section 5.2 of 3GPP TS 34.121. A summary of these setting are illustrated below:

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Sub-test	β_c	β_d	β_d (SF)	β_c/β_d	β_{hs} (1)	β_{ec}	β_{ed}	β_{ed} (SF)	β_{ed} (codes)	CM (2) (dB)	MPR (dB)	AG (4) Index	E-TFCI
1	11/15 (3)	15/15 (3)	64	11/15 (3)	22/15	209/225	1039/225	4	1	1.0	0.0	20	75
2	6/15	15/15	64	6/15	12/15	12/15	94/75	4	1	3.0	2.0	12	67
3	15/15	9/15	64	15/9	30/15	30/15	β_{ed1}: 47/15 β_{ed2}: 47/15	4	2	2.0	1.0	15	92
4	2/15	15/15	64	2/15	4/15	2/15	56/75	4	1	3.0	2.0	17	71
5	15/15 (4)	15/15 (4)	64	15/15 (4)	30/15	24/15	134/15	4	1	1.0	0.0	21	81

Note 1: Δ_{ACK}, Δ_{NACK} and Δ_{CQI} = 8 $\Leftrightarrow$ $A_{hs} = \beta_{hs}/\beta_c$ = 30/15 $\Leftrightarrow$ β_{hs}= 30/15 *β_c.
Note 2: CM = 1 for β_c/β_d =12/15, β_{hs}/β_c=24/15. For all other combinations of DPDCH, DPCCH, HS- DPCCH, E-DPDCH and E-DPCCH the MPR is based on the relative CM difference.
Note 3: For subtest 1 the β_c/β_d ratio of 11/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signaled gain factors for the reference TFC (TF1, TF1) to β_c = 10/15 and β_d = 15/15.
Note 4: For subtest 5 the β_c/β_d ratio of 15/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signaled gain factors for the reference TFC (TF1, TF1) to β_c = 14/15 and β_d = 15/15.
Note 5: Testing UE using E-DPDCH Physical Layer category 1 Sub-test 3 is not required according to TS 25.306 Table 5.1g.
Note 6: β_{ed} cannot be set directly; it is set by Absolute Grant Value.

8. **UMTS (HSPA+):** The 3G SAR test reduction procedure is applied to HSPA+ with 12.2 kbps RMC as the primary mode. Since the maximum output power in a secondary mode (HSPA+) is ≤ ¼ dB higher than the primary mode (WCDMA), SAR measurement is not required for the secondary mode (HSPA+). The following 1 sub-test was completed according to Release 7 procedures in section 5.2 of 3GPP TS34.121. A summary of these settings are illustrated below:

Table C.11.1.4: **β values for transmitter characteristics tests with HS-DPCCH and E-DCH with 16QAM**

Sub-test	β_c (Note3)	β_d	β_{HS} (Note1)	β_{ec}	β_{ed} (2xSF2) (Note 4)	β_{ed} (2xSF4) (Note 4)	CM (dB) (Note 2)	MPR (dB) (Note 2)	AG Index (Note 4)	E-TFCI (Note 5)	E-TFCI (boost)
1	1	0	30/15	30/15	β_{ed}1: 30/15 β_{ed}2: 30/15	β_{ed}3: 24/15 β_{ed}4: 24/15	3.5	2.5	14	105	105

Note 1: Δ_{ACK}, Δ_{NACK} and Δ_{CQI} = 30/15 with $\beta_{hs} = 30/15 * \beta_c$.
Note 2: CM = 3.5 and the MPR is based on the relative CM difference, MPR = MAX(CM-1,0).
Note 3: DPDCH is not configured, therefore the β_c is set to 1 and β_d = 0 by default.
Note 4: β_{ed} can not be set directly; it is set by Absolute Grant Value.
Note 5: All the sub-tests require the UE to transmit 2SF2+2SF4 16QAM EDCH and they apply for UE using E-DPDCH category 7. E-DCH TTI is set to 2ms TTI and E-DCH table index = 2. To support these E-DCH configurations DPDCH is not allocated. The UE is signalled to use the extrapolation algorithm.

9. **UMTS (DC-HSDPA):** The 3G SAR test reduction procedure is applied to DC-HSDPA with 12.2 kbps RMC as the primary mode. Power is measured for DC-HSDPA according to the H-Set 12, FRC configuration in Table C.8.1.12 of 3GPP TS 34.121-1 to determine SAR test reduction. A primary and a secondary serving HS-DSCH Cell are required to perform the power measurement and for the results to be acceptable. Since the maximum output power in a secondary mode (DC-HSDPA) is ≤ ¼ dB higher than the primary mode (WCDMA), SAR measurement is not required for the secondary mode (DC-HSDPA). The following tests were completed according to procedures in section 7.3.13 of 3GPP TS 34.108 v9.5.0. A summary of these setting are illustrated below:

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The configurations of the fixed reference channels for HSDPA RF tests are described in 3GPP TS 34.121, annex C for FDD and 3GPP TS 34.122

Table C.8.1.12: Fixed Reference Channel H-Set 12

Parameter	Unit	Value
Nominal Avg. Inf. Bit Rate	kbps	60
Inter-TTI Distance	TTI's	1
Number of HARQ Processes	Proces ses	6
Information Bit Payload (N_{INF})	Bits	120
Number Code Blocks	Blocks	1
Binary Channel Bits Per TTI	Bits	960
Total Available SML's in UE	SML's	19200
Number of SML's per HARQ Proc.	SML's	3200
Coding Rate		0.15
Number of Physical Channel Codes	Codes	1
Modulation		QPSK
Note 1: The RMC is intended to be used for DC-HSDPA mode and both cells shall transmit with identical parameters as listed in the table.		
Note 2: Maximum number of transmission is limited to 1, i.e., retransmission is not allowed. The redundancy and constellation version 0 shall be used.		

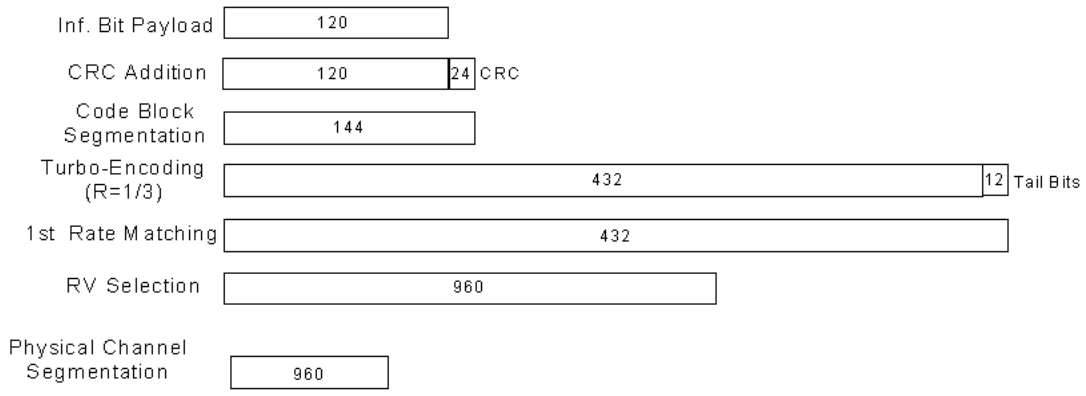

Figure C.8.19: Coding rate for Fixed reference Channel H-Set 12 (QPSK)

The following 4 sub-tests for HSDPA were completed according to Release 8 procedures in section 5.2 of 3GPP TS34.121. A summary of subtest settings are illustrated below:

Sub-test	β_c	β_d	β_d *(SF)*	β_c/β_d	β_{hs} (1)	CM (dB) (2)
1	2/15	15/15	64	2/15	4/15	0.0
2	12/15 (3)	15/15 (3)	64	12/15 (3)	24/15	1.0
3	15/15	8/15	64	15/8	30/15	1.5
4	15/15	4/15	64	15/4	30/15	1.5

Note 1: Δ_{ACK}, Δ_{NACK} and $\Delta_{CQI} = 8 \Leftrightarrow A_{hs} = \beta_{hs}/\beta_c = 30/15 \Leftrightarrow \beta_{hs} = 30/15 * \beta_c$
Note 2: CM = 1 for β_c/β_d =12/15, β_{hs}/β_c=24/15.
Note 3: For subtest 2 the β_c/β_d ratio of 12/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signaled gain factors for the reference TFC (TF1, TF1) to β_c = 11/15 and β_d = 15/15.

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10. **LTE:** LTE modes test according to **KDB 941225D05v02r05.**

a. Per Section 5.2.1, the largest channel bandwidth and measure SAR for QPSK with 1 RB allocation.

- Using the RB offset and required test channel combination with the highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel.
- When the reported SAR is ≤ 0.8 W/kg, testing of the remaining RB offset configurations and required test channels is not required for 1 RB allocation; otherwise, SAR is required for the remaining required test channels and only for the RB offset configuration with the highest output power for that channel.
- When the reported SAR of a required test channel is > 1.45 W/kg, SAR is required for all three RB offset configurations for that required test channel.

b. Per Section 5.2.2, the largest channel bandwidth and measure SAR for QPSK with 50% RB allocation

- The procedures required for 1 RB allocation in 5.2.1 are applied to measure the SAR for QPSK with 50% RB allocation.

c. Per Section 5.2.3, the largest channel bandwidth and measure SAR for QPSK with 100% RB allocation

- For QPSK with 100% RB allocation, SAR is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation in 5.2.1 and 5.2.2 are ≤ 0.8 W/kg.
- Otherwise, SAR is measured for the highest output power channel and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested.

d. Per Section 5.2.4, Higher order modulations

- For each modulation besides QPSK; e.g., 16-QAM, 64-QAM, apply the QPSK procedures in sections 5.2.1, 5.2.2 and 5.2.3 to determine the QAM configurations that may need SAR measurement. For each configuration identified as required for testing, SAR is required only when the highest maximum output power for the configuration in the higher order modulation is > ½ dB higher than the same configuration in QPSK or when the reported SAR for the QPSK configuration is > 1.45 W/kg.

e. Per Section 5.3, other channel bandwidth standalone SAR test requirements

- For the other channel bandwidths used by the device in a frequency band, apply all the procedures required for the largest channel bandwidth in section 5.2 to determine the channels and RB configurations that need SAR testing and only

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measure SAR when the highest maximum output power of a configuration requiring testing in the smaller channel bandwidth is > ½ dB higher than the equivalent channel configurations in the largest channel bandwidth configuration or the reported SAR of a configuration for the largest channel bandwidth is > 1.45 W/kg. The equivalent channel configuration for the RB allocation, RB offset and modulation etc. is determined for the smaller channel bandwidth according to the same number of RB allocated in the largest channel bandwidth.

- TDD LTE was tested at highest duty factor using UL-DL configuration 0 with 6 UL subframes and 2 special subframes using extended cyclic prefix only and special subframe configuration 6. SAR tests were performed at maximum output power and worst-case transmission duty factor in extended cyclic prefix. Per 3GPP 36.211 Section 4.2, the duty factor for UL-DL configuration 0/special subframe configuration 6 using extended cyclic prefix is 0.633.

According to KDB 941225 D05, SAR testing for TDD LTE must be tested using a fixed periodic duty factor according to the highest transmission duty factor implemented for the device and supported by the defined 3GPP TDD LTE configurations. The TDD-LTE of this device supports frame structure type 2 defined in 3GPP TS 36.211 section 4.2, and the frame structure configuration can be tabulated as below.

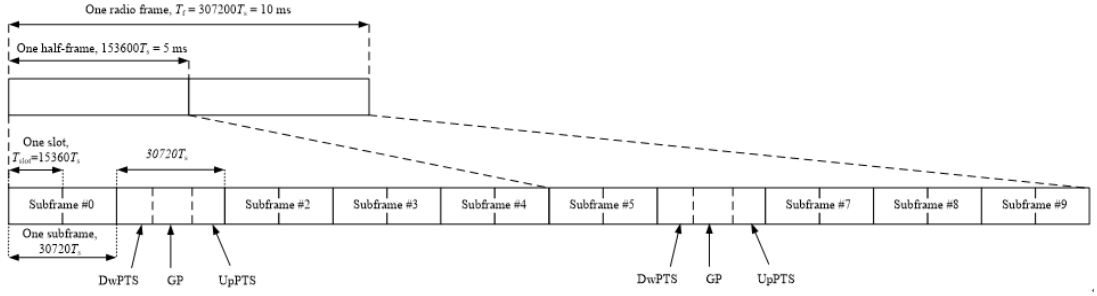

Figure 4.2-1: Frame structure type 2 (for 5 ms switch-point periodicity)

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Table 4.2-1: Configuration of special subframe (lengths of DwPTS/GP/UpPTS)

Special subframe configuration	Normal cyclic prefix in downlink			Extended cyclic prefix in downlink		
	DwPTS	UpPTS		DwPTS	UpPTS	
		Normal cyclic prefix in uplink	Extended cyclic prefix in uplink		Normal cyclic prefix in uplink	Extended cyclic prefix in uplink
0	$6592 \cdot T_s$	$(1+X) \cdot 2192 \cdot T_s$	$(1+X) \cdot 2560 \cdot T_s$	$7680 \cdot T_s$	$(1+X) \cdot 2192 \cdot T_s$	$(1+X) \cdot 2560 \cdot T_s$
1	$19760 \cdot T_s$			$20480 \cdot T_s$		
2	$21952 \cdot T_s$			$23040 \cdot T_s$		
3	$24144 \cdot T_s$			$25600 \cdot T_s$		
4	$26336 \cdot T_s$			$7680 \cdot T_s$		
5	$6592 \cdot T_s$	$(2+X) \cdot 2192 \cdot T_s$	$(2+X) \cdot 2560 \cdot T_s$	$20480 \cdot T_s$	$(2+X) \cdot 2192 \cdot T_s$	$(2+X) \cdot 2560 \cdot T_s$
6	$19760 \cdot T_s$			$23040 \cdot T_s$		
7	$21952 \cdot T_s$			$12800 \cdot T_s$		
8	$24144 \cdot T_s$			-	-	-
9	$13168 \cdot T_s$			-	-	-

Table 4.2-2: Uplink-downlink configurations

Uplink-downlink configuration	Downlink-to-Uplink Switch-point periodicity	Subframe number									
		0	1	2	3	4	5	6	7	8	9
0	5 ms	D	S	U	U	U	D	S	U	U	U
1	5 ms	D	S	U	U	D	D	S	U	U	D
2	5 ms	D	S	U	D	D	D	S	U	D	D
3	10 ms	D	S	U	U	U	D	D	D	D	D
4	10 ms	D	S	U	U	D	D	D	D	D	D
5	10 ms	D	S	U	D	D	D	D	D	D	D
6	5 ms	D	S	U	U	U	D	S	U	U	D

Considering the highest transmission duty cycle, TDD LTE was tested using Uplink-Downlink configuration 0 with 6 uplink subframe and 2 special subframe. The special subframe was set to special subframe configuration 6 using extended cyclic prefix uplink. Therefore, SAR testing for TDD LTE was measured at the maximum output power with highest transmission duty cycle of 63.33%.

11. **LTE downlink CA:** The device supports the carrier aggregation in the downlink. All uplink communications are identical to the Release 8 specifications. Uplink maximum output power is measured with downlink carrier aggregation active, only for the channel with highest measured maximum output power when downlink carrier aggregation is inactive, to confirm that when downlink carrier aggregation is active uplink maximum output power remains within the specified tune-up tolerance limits and not more than ¼ dB higher than the maximum output power measured when downlink carrier aggregation inactive. The downlink channels selected to perform the uplink power measurement must satisfy 3GPP channel spacing (5.4.1A of 3GPP TS 36.521 or equivalent) and channel bandwidth (5.4.2A) requirements. The nominal channel spacing is determined by [BW1 + BW2 – 0.1*|BW1 – BW2|]/2 MHz, where BW1 and BW2 are the channel bandwidths of the CC in a 2-CC aggregation configuration. The downlink PCC channel should be paired with the uplink channel

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according to normal configurations, as if there is no carrier aggregation. The downlink SCC should be adjacent to the PCC and remain within the downlink transmission band for contiguous intra-band CA. For non-contiguous intra-band CA, the SCC should be selected to provide maximum separation from the PCC and must remain fully within the downlink transmission band. For inter-band CA, the SCC should be near the middle of its transmission band. When downlink carrier aggregation is active uplink maximum output power remain within the specified tune-up tolerance limits and not more than ¼ dB higher than the maximum output power measured when downlink carrier aggregation inactive, so SAR evaluation is not required for downlink carrier aggregation.

12. **LTE intra-band UL CA (contiguous):** The device supports LTE intra-band contiguous UL CA. The maximum output power is measured for each UL CA configuration for the required test channels. UL PCC configuration is determined by the required test channel. SCC and subsequent CCs are added alternatively to either side of the PCC or within the transmission band for channels at the ends of a frequency band. SAR for UL CA is required in highest standalone test position and frequency band combination. Since the maximum output for UL CA is ≦ standalone LTE mode (without CA), PCC is configured according to the highest standalone SAR configuration tested, SCC and subsequent CCs are configured according to procedures used for power measurement and parameters (BW, RB etc.) similar to that used for the PCC.
13. **WLAN 2.4GHz:** 802.11b DSSS SAR Test Requirements: SAR is measured for 2.4 GHz 802.11b DSSS mode using the highest measured maximum output power channel, when the reported SAR of the highest measured maximum output power channel for the exposure configuration is ≤ 0.8 W/kg, no further SAR testing is required for 802.11b DSSS in that exposure configuration. When the reported SAR is > 0.8 W/kg, SAR is required for that exposure configuration using the next highest measured output power channel. When any reported SAR is > 1.2 W/kg, SAR is required for the third channel; i.e., all channels require testing.
14. **WLAN 2.4GHz:** 802.11g/n OFDM SAR Test Exclusion Requirements: SAR is not required for 802.11g/n since the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg.
15. **WLAN 5GHz:** Initial Test Configuration: An initial test configuration is determined for OFDM transmission modes according to the channel bandwidth, modulation and data rate combination(s) with the highest maximum output power specified for production units in each standalone and aggregated frequency band. SAR is measured using the highest measured maximum output power channel. When the reported SAR of the initial test configuration is > 0.8 W/kg, SAR measurement is required for the subsequent next highest measured output power channel(s) in the initial test configuration until the reported SAR is ≤ 1.2 W/kg or all required channels are tested. Since the highest reported SAR for the initial test configuration is adjusted by the ratio of the subsequent test configuration to initial test configuration specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg, SAR is not required for subsequent test configuration.

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16. **WLAN 5GHz:** Based on FCC guidance, general principles of KDB248227D01 can be applied to 802.11ax to determine initial test configuration with 802.11ax being considered as the highest 802.11 mode for the appropriate frequency band.
17. **WLAN 6GHz:** Per October 2020 & April 2021 TCB Workshop Interim procedures and FCC guidance, start instead with a minimum of 5 test channels across the full band, then adapt and apply conducted power and SAR test reduction procedures of KDB Pub. 248227 v02r02. WIFI 6E SAR is measured by using 6-7GHz parameters per IEC/IEEE62209- 1528:2020 and report also estimated absorbed PD (for reference purposes only, not specifically for compliance). For the highest SAR test configurations also measure incident PD (total) using mmW near-field probe and total-field/power-density reconstruction method.
18. **WLAN 6GHz:** Per equipment manufacturer guidance, power density was measured at d=2mm with the grid step (0.0625 λ) for determining compliance at d=2mm.
19. **WLAN 6GHz:** According to October 2020 TCB Workshop Interim procedures, power density results were scaled according to IEC 62479:2010 for the portion of the measurement uncertainty > 30%. Total expanded uncertainty of 2.67 dB (85%) was used to determine the psPD measurement scaling factor.
20. **WLAN 6GHz:** Per FCC guidance, for simultaneous transmission evaluation, using SAR sum and SPLSR for simultaneous transmit exclusion analyses and evaluations.

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5.3 Test position

Tablet mode SAR test position (0mm)

For full-size tablet, according to KDB 616217 D04, SAR evaluation is required for back surface and edges of the devices. The back surface and edges of the tablet are tested with the tablet touching the phantom. Exposures from antennas through the front surface of the display section of a tablet are generally limited to the user's hands. Exposures to hands for typical consumer transmitters used in tablets are not expected to exceed the extremity SAR limit; therefore, SAR evaluation for the front surface of tablet display screens are generally not necessary. When voice mode is supported on a tablet and it is limited to speaker mode or headset operations only, additional SAR testing for this type of voice use is not required.

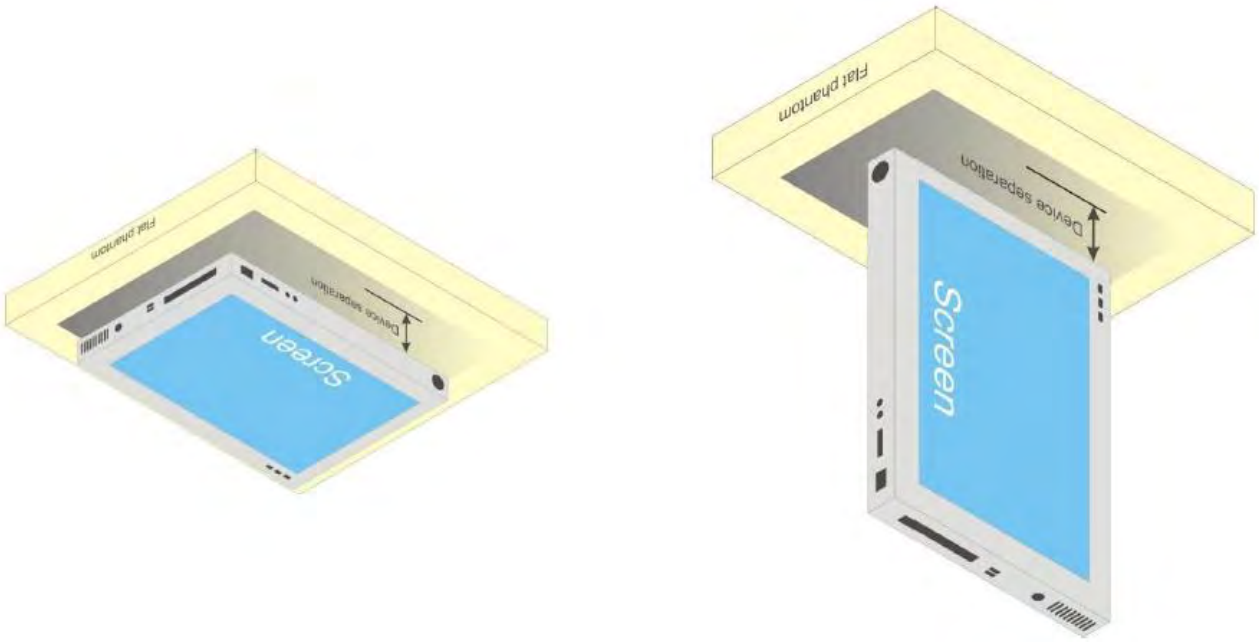

Illustration for Tablet Setup

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5.4 Test limit

§ 2.1093(d)(1)

Applications for equipment authorization of portable RF sources subject to routine environmental evaluation must contain a statement confirming compliance with the limits specified in § 1.1310 as part of their application. Technical information showing the basis for this statement must be submitted to the Commission upon request. The SAR limits specified in § 1.1310(a) through (c) of this chapter shall be used for evaluation of portable devices transmitting in the frequency range from 100 kHz to 6 GHz. Portable devices that transmit at frequencies above 6 GHz shall be evaluated in terms of the MPE limits specified in Table 1 to § 1.1310(e)(1). A minimum separation distance applicable to the operating configurations and exposure conditions of the device shall be used for the evaluation. In general, maximum time-averaged power levels must be used for evaluation. All unlicensed personal communications service (PCS) devices and unlicensed NII devices shall be subject to the limits for general population/uncontrolled exposure.

Radiofrequency radiation exposure limits.

§ 1.1310(a)

Specific absorption rate (SAR) shall be used to evaluate the environmental impact of human exposure to radiofrequency (RF) radiation as specified in § 1.1307(b) within the frequency range of 100 kHz to 6 GHz (inclusive).

§ 1.1310(b)

The SAR limits for occupational/controlled exposure are 0.4 W/kg, as averaged over the whole body, and a peak spatial-average SAR of 8 W/kg, averaged over any 1 gram of tissue (defined as a tissue volume in the shape of a cube). Exceptions are the parts of the human body treated as extremities, such as hands, wrists, feet, ankles, and pinnae, where the peak spatial-average SAR limit for occupational/controlled exposure is 20 W/kg, averaged over any 10 grams of tissue (defined as a tissue volume in the shape of a cube). Exposure may be averaged over a time period not to exceed 6 minutes to determine compliance with occupational/controlled SAR limits.

§ 1.1310(c)

The SAR limits for general population/uncontrolled exposure are 0.08 W/kg, as averaged over the whole body, and a peak spatial-average SAR of 1.6 W/kg, averaged over any 1 gram of tissue (defined as a tissue volume in the shape of a cube). Exceptions are the parts of the human body treated as extremities, such as hands, wrists, feet, ankles, and pinnae, where the peak spatial-average SAR limit is 4 W/kg, averaged over any 10 grams of tissue (defined as a tissue volume in the shape of a cube). Exposure may be averaged over a time period not to exceed 30 minutes to determine compliance with general population/uncontrolled SAR limits.

Note to paragraphs (a) through (c):

SAR is a measure of the rate of energy absorption due to exposure to RF electromagnetic energy. These SAR limits to be used for evaluation are based generally on criteria published by the American National Standards Institute (ANSI) for localized SAR in Section 4.2 of “IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz,” ANSI/IEEE Std C95.1-1992, copyright 1992 by the Institute of Electrical and Electronics Engineers, Inc., New York, New York 10017. These criteria for SAR evaluation are similar to those

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recommended by the National Council on Radiation Protection and Measurements (NCRP) in "Biological Effects and Exposure Criteria for Radiofrequency Electromagnetic Fields," NCRP Report No. 86, Section 17.4.5, copyright 1986 by NCRP, Bethesda, Maryland 20814. Limits for whole body SAR and peak spatial-average SAR are based on recommendations made in both of these documents. The MPE limits in Table 1 are based generally on criteria published by the NCRP in "Biological Effects and Exposure Criteria for Radiofrequency Electromagnetic Fields," NCRP Report No. 86, Sections 17.4.1, 17.4.1.1, 17.4.2 and 17.4.3, copyright 1986 by NCRP, Bethesda, Maryland 20814. In the frequency range from 100 MHz to 1500 MHz, these MPE exposure limits for field strength and power density are also generally based on criteria recommended by the ANSI in Section 4.1 of "IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz," ANSI/IEEE Std C95.1-1992, copyright 1992 by the Institute of Electrical and Electronics Engineers, Inc., New York, New York 10017.

Portable devices that transmit at frequencies above 6 GHz shall be evaluated in terms of the MPE limits specified in Table 1 to § 1.1310(e)(1).
According to ANSI/IEEE C95.1-1992, the criteria listed in the following Table shall be used to evaluate the environmental impact of human exposure to radio frequency (RF) radiation as specified in §1.1310.
Peak Spatially Averaged Power Density was evaluated over a circular area of 4cm2 per interim FCC Guidance for near-field power density evaluations per October 2018 TCB Workshop notes

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Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm^2)	Averaging time (minutes)
(i) Limits for Occupational/Controlled Exposure				
0.3-3.0	614	1.63	*(100)	≤6
3.0-30	1842/f	4.89/f	*($900/f^2$)	<6
30-300	61.4	0.163	1.0	<6
300-1,500			f/300	<6
1,500-100,000			5	<6
(ii) Limits for General Population/Uncontrolled Exposure				
0.3-1.34	614	1.63	*(100)	<30
1.34-30	824/f	2.19/f	*($180/f^2$)	<30
30-300	27.5	0.073	0.2	<30
300-1,500			f/1500	<30
1,500-100,000			1.0	<30

f = frequency in MHz. * = Plane-wave equivalent power density.
Table 1 to § 1.1310(e)(1) - Limits for Maximum Permissible Exposure (MPE)

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5.5 Proximity sensor operation description

The P-sensor being used to reduce output power is capacitive in which when the object such as human body, metal or plastic is being approached, the sensing capacitance would be increased with the antenna pad. Once the capacitance is accumulated, and reached over the threshold as set in MCU of the microchip, the interruption signal is pulled low (High state without trigger) and further inform modem module of the transmitter to make power reduction.

5.5.1 Proximity sensor measurement procedure

1. The proximity sensor is collocated with WWAN antenna.

2. Output power is measured, and monitored by using the base station simulator and power sensor/power meter. A RF cables with sufficient length was being attached from the antenna port of the module, and used for the measurement. The appropriate loss attenuated from cable is compensated in the test setup.

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5.5.2 Trigger distances for back/top side

Test procedure:

1. The entire back surface or edge of the tablet is positioned below a flat phantom filled with the required tissue equivalent medium and positioned at least 20 mm further than the distance that triggers power reduction.

2. The back surface or edge is moved toward the phantom in 3 mm steps until the sensor triggers.

3. The back surface or edge is again moved toward the phantom, but in 1 mm steps, until it is at least 5 mm past the triggering point or touching the phantom

4. If the tablet is not touching the phantom, it is moved in 3 mm steps until it touches the phantom to confirm that the sensor remains triggered and the maximum power stays reduced.

5. The back surface or edge is then moved back (further away) from the phantom until maximum output power is returned to the normal maximum level.

6. The process is then reversed by moving the tablet away from the phantom to determine triggering release, until it is at least 10 mm beyond the point that triggers the return of normal maximum power.

7. The measured output power within ± 5 mm of the triggering points, or until the tablet is touching the phantom, for movements to and from the phantom should be tabulated.

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8. To ensure all production units are compliant, it is generally necessary to reduce the triggering distance determined from the triggering tests by 1 mm, or more if it is necessary, and use the smallest distance for movements to and from the phantom, minus 1 mm, as the sensor triggering distance for determining the SAR measurement distance.

9. For back/top, the trigger distance of proximity sensor is tabulated below.

	Back	Top
Trigger distance (mm)	6	11

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5.5.3 Tilt angle testing

Test procedure:

1. The influence of table tilt angles to proximity sensor triggering is determined by positioning each tablet edge that contains a transmitting antenna, perpendicular to the flat phantom, at the smallest sensor triggering test distance determined in sections 1.6.2 by rotating the tablet around the edge next to the phantom in ≤ 10 deg increments until the tablet is +/- 45deg or more from the vertical position at 0 deg.

2. If sensor triggering is released and normal maximum output power is restored within the +/- 45deg range, the procedures in step 1) should be repeated by reducing the tablet to phantom separation distance by 1 mm until the proximity sensor no longer releases triggering, and maximum output power remains in the reduced mode.

3. The smallest separation distance determined in steps 1) and 2), minus 1 mm, is the sensor triggering distance for tablet tilt coverage. The smallest separation distance determined in sections 1.6.2, 1.6.3 minus 1 mm should be used in the SAR measurements.

4. The influence of tablet tilt angles to proximity sensor triggering is determined by positioning top and right sides, please refer to table 1.6.5 and 1.6.6.

5. After the tilt angle testing for top edge, the sensor is not released during +/- 45deg, so trigger distance - 1mm should be used in the SAR measurements.

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5.5.4 Proximity sensor coverage

The following procedures do not apply and are not required since the antenna and sensor are collocated and the peak SAR location is overlapping with the sensor.

Test procedure:

1. The back surface or edges of the tablet is positioned at a test separation distance less than or equal to the distance required for back surface or edge triggering, with both the antenna and sensor pad located at least 20 mm laterally outside the edge (boundary) of the phantom, along the direction of maximum antenna and sensor offset.

2. The similar sequence of steps applied to determine sensor triggering distance in section 1.6.2 are used to verify back surface and edge sensor coverage by moving the tablet (sensor and antenna) horizontally toward the phantom while maintaining the same vertical separation between the back surface or edge and the phantom.

3. After the exact location where triggering of power reduction is determined, with respect to the sensor and antenna, the tablet movement should be continued, in 3 mm increments, until both the sensor and antenna(s) are fully under the phantom and at least 20 mm inside the phantom edge.

4. The process is then repeated from the other direction, at the opposite end of maximum antenna and sensor offset, by rotating the tablet 180 degrees.

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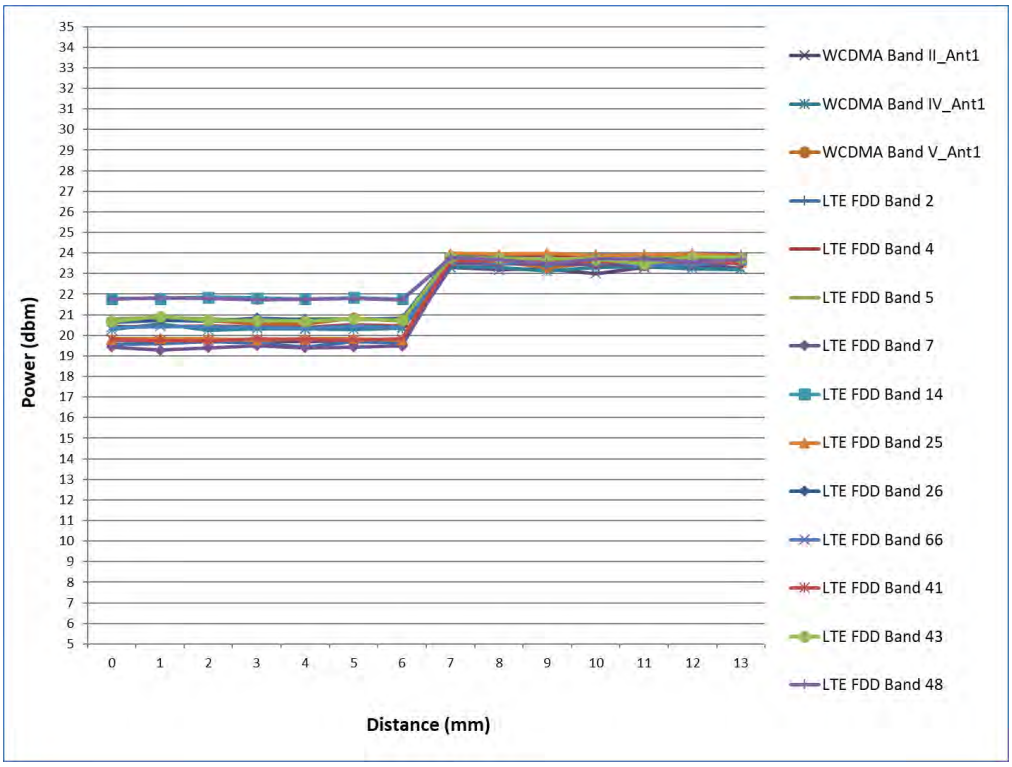
5.5.5 Results

The measured output power within ± 5 mm of the triggering points, or until the tablet is touching the phantom, for movements to and from the phantom is tabulated in the following.

Back Surface

Moving device toward the phantom



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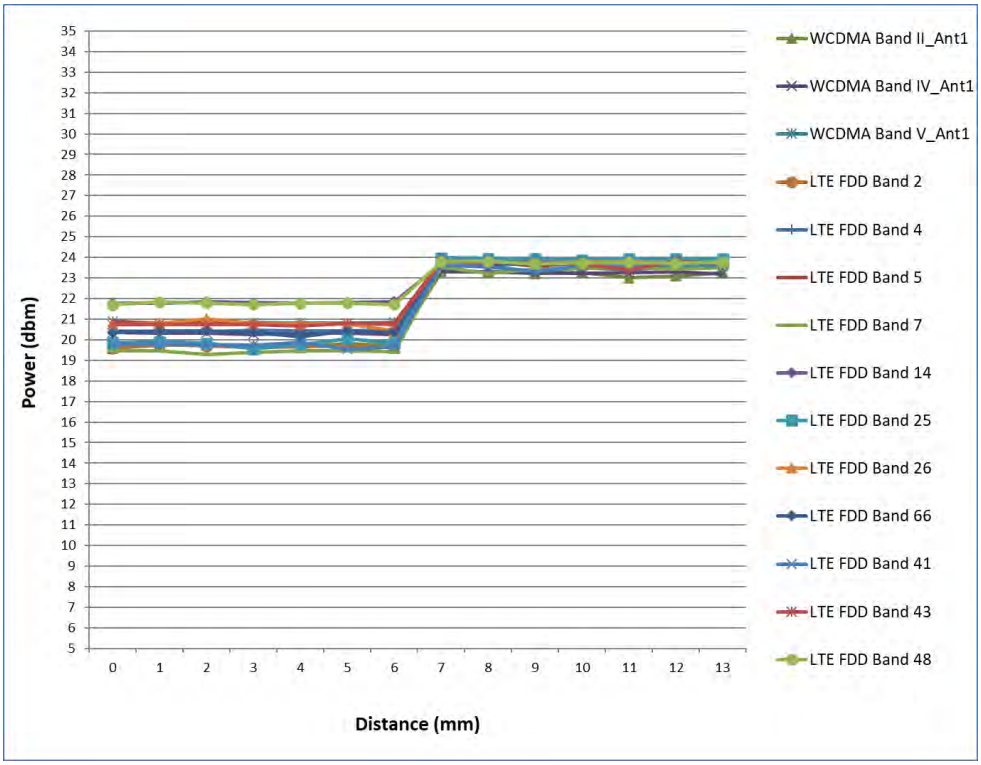
Moving device away from the phantom



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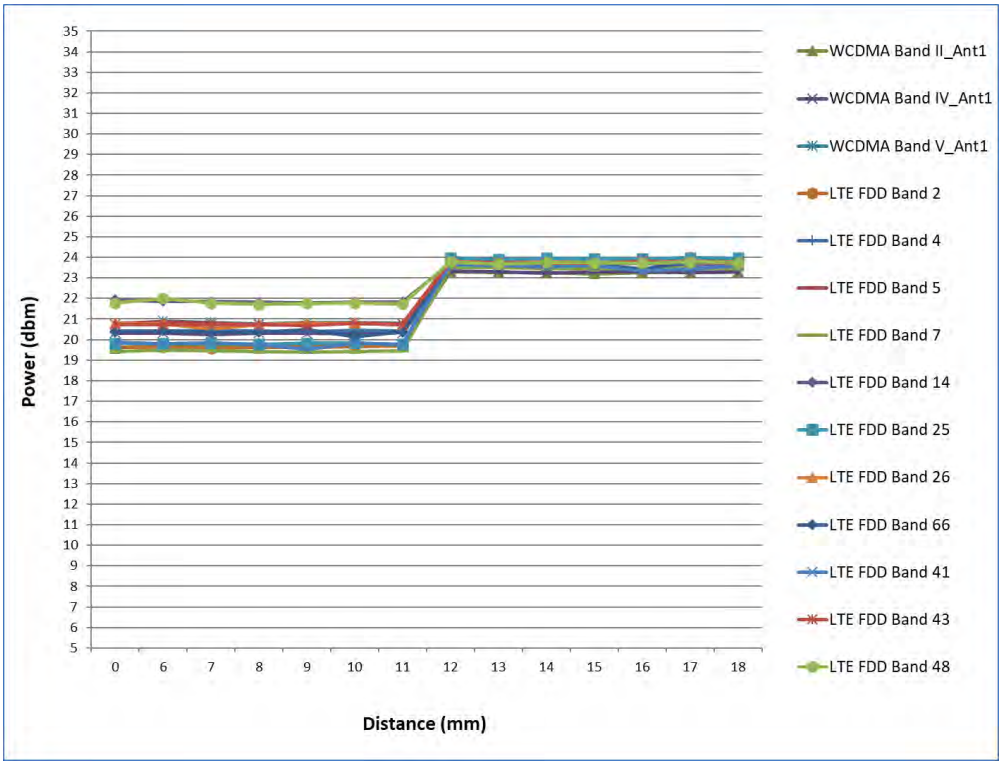
Top side

Moving device toward the phantom



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Moving device away from the phantom

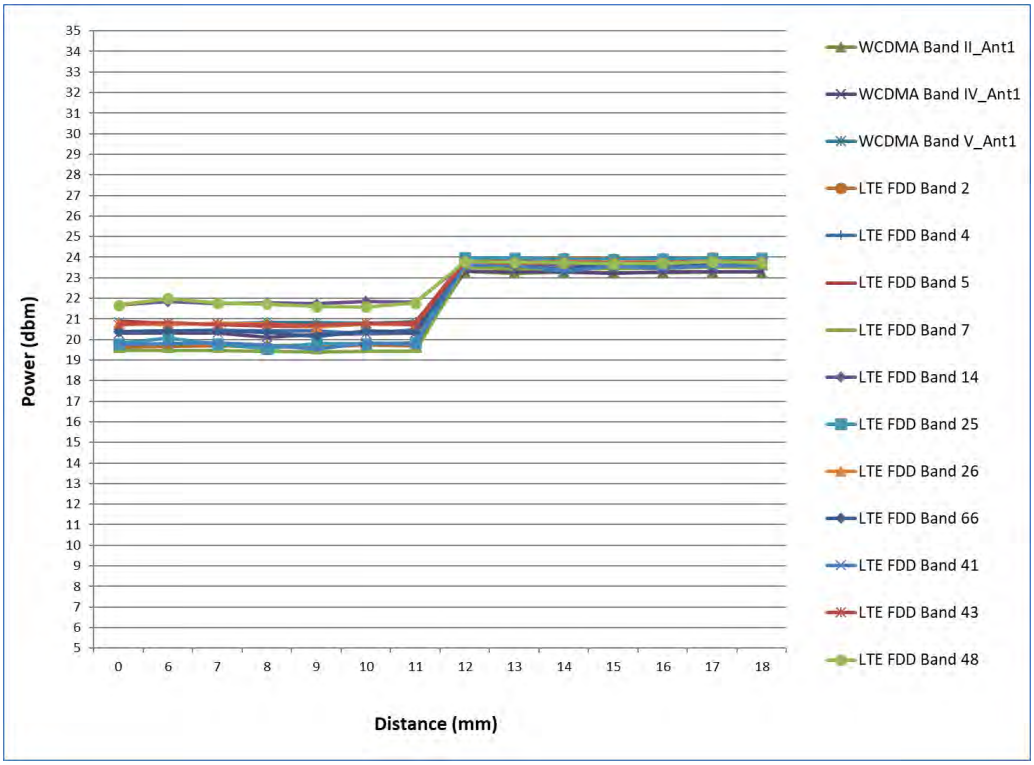

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Table 5.5 Tilt angle test results for WWAN

P-sensor ON/OFF	-50 deg	-45 deg	-40 deg	-30 deg	-20 deg	-10 deg	0 deg	10 deg	20 deg	30 deg	40 deg	45 deg	50 deg
11mm	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON

During the tilt angle testing, the sensor is not released, so trigger distance - 1 is used in the SAR measurement.

Note:

1. The triggering variations and hysteresis effect has been evaluated separately according to the tissue-equivalent medium required for each frequency band, and sensor triggering does not change with different tissue-equivalent media.

2. Conducted power is monitored qualitatively to identify the general triggering characteristics and recorded quantitatively, versus spacing.

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5.5.6 Operation description for P-sensor

Power Reduction Design Specification (for P-sensor)

With P-sensor mechanism, the maximum reduced power table in chapter 6 would be the default power when P-sensor failure or malfunction.

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6 MAXIMUM OUTPUT POWER

6.1 WCDMA

Down Power

Band		WCDMA II		
TX Channel		9262	9400	9538
Frequency (MHz)		1852.4	1880	1907.6
Max. Rated Avg. Power+Max. Tolerance (dBm)		**20.00**		
3GPP Rel 99	RMC 12.2Kbps	19.58	19.65	19.79
3GPP Rel 5	HSDPA Subtest-1	18.98	19.04	19.18
	HSDPA Subtest-2	18.96	19.08	19.19
	HSDPA Subtest-3	18.50	18.55	18.71
	HSDPA Subtest-4	18.48	18.56	18.71
3GPP Rel 6	HSUPA Subtest-1	18.89	18.97	19.11
	HSUPA Subtest-2	17.83	17.87	18.00
	HSUPA Subtest-3	18.95	18.91	19.00
	HSUPA Subtest-4	17.77	17.84	18.00
	HSUPA Subtest-5	18.97	18.93	19.11
3GPP Rel 7	HSPA+	17.29	17.37	17.50
3GPP Rel 8	DC-HSDPA Subtest-1	18.47	18.45	18.68
	DC-HSDPA Subtest-2	18.37	18.50	18.51
	DC-HSDPA Subtest-3	18.51	18.43	18.69
	DC-HSDPA Subtest-4	18.44	18.39	18.55

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Band		WCDMA IV		
TX Channel		1312	1413	1513
Frequency (MHz)		1712.4	1732.6	1752.6
Max. Rated Avg. Power+Max. Tolerance (dBm)		**20.50**		
3GPP Rel 99	RMC 12.2Kbps	20.33	20.35	20.29
3GPP Rel 5	HSDPA Subtest-1	19.77	19.75	19.71
	HSDPA Subtest-2	19.78	19.74	19.68
	HSDPA Subtest-3	19.18	19.27	19.16
	HSDPA Subtest-4	19.23	19.26	19.18
3GPP Rel 6	HSUPA Subtest-1	19.68	19.72	19.69
	HSUPA Subtest-2	18.49	18.50	18.45
	HSUPA Subtest-3	19.50	19.50	19.48
	HSUPA Subtest-4	18.49	18.50	18.44
	HSUPA Subtest-5	19.68	19.66	19.68
3GPP Rel 7	HSPA+	17.88	18.00	17.87
3GPP Rel 8	DC-HSDPA Subtest-1	19.49	19.59	19.58
	DC-HSDPA Subtest-2	19.37	19.47	19.55
	DC-HSDPA Subtest-3	19.44	19.58	19.50
	DC-HSDPA Subtest-4	19.32	19.54	19.59

Band		WCDMA V		
TX Channel		4132	4183	4233
Frequency (MHz)		826.4	836.6	846.6
Max. Rated Avg. Power+Max. Tolerance (dBm)		**21.00**		
3GPP Rel 99	RMC 12.2Kbps	20.73	20.83	20.86
3GPP Rel 5	HSDPA Subtest-1	20.09	20.14	20.15
	HSDPA Subtest-2	20.02	20.06	20.12
	HSDPA Subtest-3	19.57	19.54	19.56
	HSDPA Subtest-4	19.51	19.59	19.61
3GPP Rel 6	HSUPA Subtest-1	19.99	20.03	20.08
	HSUPA Subtest-2	18.82	18.91	19.00
	HSUPA Subtest-3	19.90	19.98	20.00
	HSUPA Subtest-4	18.77	18.99	19.00
	HSUPA Subtest-5	20.01	20.01	20.07
3GPP Rel 7	HSPA+	18.38	18.46	18.50
3GPP Rel 8	DC-HSDPA Subtest-1	19.35	19.53	19.64
	DC-HSDPA Subtest-2	19.40	19.50	19.53
	DC-HSDPA Subtest-3	19.37	19.46	19.70
	DC-HSDPA Subtest-4	19.43	19.52	19.61

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Full Power

Band		WCDMA II		
TX Channel		9262	9400	9538
Frequency (MHz)		1852.4	1880	1907.6
Max. Rated Avg. Power+Max. Tolerance (dBm)		**24.00**		
3GPP Rel 99	RMC 12.2Kbps	23.11	23.17	23.31
3GPP Rel 5	HSDPA Subtest-1	22.92	22.92	23.08
	HSDPA Subtest-2	22.85	23.03	23.25
	HSDPA Subtest-3	22.55	22.51	22.71
	HSDPA Subtest-4	22.43	22.60	22.67
3GPP Rel 6	HSUPA Subtest-1	23.01	22.93	23.12
	HSUPA Subtest-2	20.94	21.03	21.20
	HSUPA Subtest-3	21.83	22.08	22.07
	HSUPA Subtest-4	20.92	20.94	21.17
	HSUPA Subtest-5	22.87	22.97	23.14
3GPP Rel 7	HSPA+	20.42	20.50	20.66
3GPP Rel 8	DC-HSDPA Subtest-1	22.91	22.98	23.11
	DC-HSDPA Subtest-2	22.99	23.00	23.22
	DC-HSDPA Subtest-3	22.56	22.61	22.59
	DC-HSDPA Subtest-4	22.44	22.51	22.61
Band		WCDMA IV		
TX Channel		1312	1413	1513
Frequency (MHz)		1712.4	1732.6	1752.6
Max. Rated Avg. Power+Max. Tolerance (dBm)		**24.00**		
3GPP Rel 99	RMC 12.2Kbps	23.31	23.29	23.33
3GPP Rel 5	HSDPA Subtest-1	23.21	23.03	23.11
	HSDPA Subtest-2	23.15	23.08	23.11
	HSDPA Subtest-3	22.75	22.59	22.64
	HSDPA Subtest-4	22.73	22.58	22.55
3GPP Rel 6	HSUPA Subtest-1	23.14	23.07	23.18
	HSUPA Subtest-2	21.10	21.18	21.04
	HSUPA Subtest-3	22.06	22.05	22.23
	HSUPA Subtest-4	21.15	21.21	21.24
	HSUPA Subtest-5	23.14	23.15	23.20
3GPP Rel 7	HSPA+	20.57	20.60	20.65
3GPP Rel 8	DC-HSDPA Subtest-1	23.14	23.06	23.22
	DC-HSDPA Subtest-2	23.15	23.12	23.08
	DC-HSDPA Subtest-3	22.71	22.64	22.73
	DC-HSDPA Subtest-4	22.75	22.54	22.60

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Band		WCDMA V		
TX Channel		4132	4183	4233
Frequency (MHz)		826.4	836.6	846.6
Max. Rated Avg. Power+Max. Tolerance (dBm)		**24.30**		
3GPP Rel 99	RMC 12.2Kbps	23.43	23.57	23.61
3GPP Rel 5	HSDPA Subtest-1	23.33	23.31	23.39
	HSDPA Subtest-2	23.27	23.36	23.39
	HSDPA Subtest-3	22.87	22.87	22.92
	HSDPA Subtest-4	22.85	22.86	22.83
3GPP Rel 6	HSUPA Subtest-1	23.26	23.35	23.46
	HSUPA Subtest-2	21.22	21.46	21.32
	HSUPA Subtest-3	22.18	22.33	22.51
	HSUPA Subtest-4	21.27	21.49	21.52
	HSUPA Subtest-5	23.26	23.43	23.48
3GPP Rel 7	HSPA+	20.69	20.88	20.93
3GPP Rel 8	DC-HSDPA Subtest-1	23.26	23.34	23.50
	DC-HSDPA Subtest-2	23.27	23.40	23.36
	DC-HSDPA Subtest-3	22.83	22.92	23.01
	DC-HSDPA Subtest-4	22.87	22.82	22.88

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6.2 FDD LTE

Down Power

LTE Band 2								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1860	1880	1900		
Channel				18700	18900	19100		
20	QPSK	1	0	19.31	19.55	19.72	20.00	0
		1	50	19.22	19.43	19.55	20.00	0
		1	99	19.18	19.40	19.43	20.00	0
		50	0	19.23	19.53	19.59	20.00	0
		50	25	19.17	19.38	19.52	20.00	0
		50	50	19.11	19.37	19.56	20.00	0
		100	0	19.22	19.50	19.62	20.00	0
20	16-QAM	1	0	19.09	19.47	19.67	20.00	0
		1	50	19.14	19.29	19.52	20.00	0
		1	99	19.07	19.34	19.69	20.00	0
		50	0	19.19	19.48	19.64	20.00	0
		50	25	19.02	19.50	19.45	20.00	0
		50	50	19.05	19.40	19.51	20.00	0
		100	0	19.11	19.34	19.56	20.00	0
20	64-QAM	1	0	19.07	19.36	19.55	20.00	0
		1	50	19.13	19.48	19.60	20.00	0
		1	99	19.16	19.49	19.54	20.00	0
		50	0	19.12	19.41	19.56	20.00	0
		50	25	19.14	19.37	19.52	20.00	0
		50	50	19.15	19.33	19.67	20.00	0
		100	0	19.09	19.40	19.52	20.00	0

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LTE Band 2								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1857.5	1880	1902.5		
Channel				18675	18900	19125		
15	QPSK	1	0	19.11	19.45	19.50	20.00	0
		1	36	19.17	19.50	19.62	20.00	0
		1	74	19.25	19.33	19.50	20.00	0
		36	0	19.09	19.41	19.52	20.00	0
		36	18	19.16	19.32	19.61	20.00	0
		36	37	19.15	19.43	19.55	20.00	0
		75	0	19.07	19.49	19.60	20.00	0
15	16-QAM	1	0	19.25	19.25	19.56	20.00	0
		1	36	19.13	19.48	19.59	20.00	0
		1	74	19.06	19.37	19.50	20.00	0
		36	0	19.10	19.39	19.58	20.00	0
		36	18	19.20	19.31	19.62	20.00	0
		36	37	19.22	19.49	19.60	20.00	0
		75	0	19.27	19.37	19.63	20.00	0
15	64-QAM	1	0	19.05	19.42	19.62	20.00	0
		1	36	19.25	19.40	19.61	20.00	0
		1	74	19.13	19.42	19.56	20.00	0
		36	0	19.10	19.38	19.57	20.00	0
		36	18	19.15	19.47	19.54	20.00	0
		36	37	19.21	19.48	19.66	20.00	0
		75	0	19.09	19.44	19.56	20.00	0

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LTE Band 2								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1855	1880	1905		
Channel				18650	18900	19150		
10	QPSK	1	0	19.21	19.35	19.55	20.00	0
		1	25	19.21	19.36	19.63	20.00	0
		1	49	19.09	19.40	19.59	20.00	0
		25	0	19.18	19.38	19.60	20.00	0
		25	12	19.15	19.34	19.54	20.00	0
		25	25	19.15	19.47	19.58	20.00	0
		50	0	19.21	19.41	19.63	20.00	0
10	16-QAM	1	0	19.21	19.30	19.53	20.00	0
		1	25	19.23	19.29	19.61	20.00	0
		1	49	19.11	19.50	19.52	20.00	0
		25	0	19.18	19.43	19.58	20.00	0
		25	12	19.22	19.38	19.44	20.00	0
		25	25	19.23	19.38	19.69	20.00	0
		50	0	19.17	19.26	19.61	20.00	0
10	64-QAM	1	0	19.07	19.42	19.47	20.00	0
		1	25	19.09	19.35	19.53	20.00	0
		1	49	19.05	19.39	19.57	20.00	0
		25	0	19.23	19.40	19.51	20.00	0
		25	12	19.19	19.42	19.58	20.00	0
		25	25	19.18	19.28	19.51	20.00	0
		50	0	19.26	19.40	19.59	20.00	0

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LTE Band 2								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1852.5	1880	1907.5		
Channel				18625	18900	19175		
5	QPSK	1	0	19.17	19.35	19.62	20.00	0
		1	12	19.05	19.31	19.66	20.00	0
		1	24	19.13	19.43	19.54	20.00	0
		12	0	19.13	19.28	19.47	20.00	0
		12	6	19.26	19.37	19.53	20.00	0
		12	13	19.11	19.41	19.60	20.00	0
		25	0	19.03	19.40	19.57	20.00	0
5	16-QAM	1	0	19.12	19.49	19.62	20.00	0
		1	12	19.16	19.42	19.54	20.00	0
		1	24	19.08	19.30	19.63	20.00	0
		12	0	19.14	19.34	19.64	20.00	0
		12	6	19.15	19.34	19.50	20.00	0
		12	13	19.06	19.37	19.56	20.00	0
		25	0	19.18	19.38	19.57	20.00	0
5	64-QAM	1	0	19.21	19.41	19.54	20.00	0
		1	12	19.18	19.29	19.53	20.00	0
		1	24	19.09	19.30	19.47	20.00	0
		12	0	19.18	19.34	19.64	20.00	0
		12	6	19.22	19.41	19.56	20.00	0
		12	13	19.22	19.37	19.50	20.00	0
		25	0	19.07	19.34	19.68	20.00	0

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LTE Band 2								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1851.5	1880	1908.5		
Channel				18615	18900	19185		
3	QPSK	1	0	19.20	19.49	19.51	20.00	0
		1	7	19.21	19.25	19.46	20.00	0
		1	14	19.05	19.47	19.62	20.00	0
		8	0	19.12	19.44	19.57	20.00	0
		8	4	19.16	19.42	19.60	20.00	0
		8	7	19.22	19.40	19.68	20.00	0
		15	0	19.08	19.46	19.50	20.00	0
3	16-QAM	1	0	19.27	19.48	19.68	20.00	0
		1	7	19.22	19.31	19.47	20.00	0
		1	14	19.10	19.29	19.61	20.00	0
		8	0	19.11	19.29	19.69	20.00	0
		8	4	19.09	19.37	19.57	20.00	0
		8	7	19.14	19.37	19.56	20.00	0
		15	0	19.17	19.29	19.59	20.00	0
3	64-QAM	1	0	19.16	19.42	19.56	20.00	0
		1	7	19.15	19.52	19.50	20.00	0
		1	14	19.20	19.46	19.58	20.00	0
		8	0	19.10	19.39	19.51	20.00	0
		8	4	19.13	19.41	19.47	20.00	0
		8	7	19.18	19.45	19.56	20.00	0
		15	0	19.16	19.39	19.52	20.00	0

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LTE Band 2								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1850.7	1880	1909.3		
Channel				18607	18900	19193		
1.4	QPSK	1	0	19.16	19.51	19.60	20.00	0
		1	2	19.11	19.37	19.65	20.00	0
		1	5	19.14	19.33	19.48	20.00	0
		3	0	19.09	19.37	19.67	20.00	0
		3	2	19.15	19.37	19.59	20.00	0
		3	3	19.22	19.36	19.55	20.00	0
		6	0	19.22	19.33	19.64	20.00	0
1.4	16-QAM	1	0	19.27	19.41	19.55	20.00	0
		1	2	19.25	19.45	19.55	20.00	0
		1	5	19.17	19.37	19.45	20.00	0
		3	0	19.11	19.30	19.60	20.00	0
		3	2	19.21	19.43	19.60	20.00	0
		3	3	19.19	19.39	19.51	20.00	0
		6	0	19.17	19.39	19.59	20.00	0
1.4	64-QAM	1	0	19.04	19.28	19.59	20.00	0
		1	2	19.18	19.37	19.56	20.00	0
		1	5	19.21	19.45	19.53	20.00	0
		3	0	19.09	19.47	19.46	20.00	0
		3	2	19.18	19.41	19.50	20.00	0
		3	3	19.17	19.29	19.68	20.00	0
		6	0	19.26	19.40	19.59	20.00	0

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LTE Band 4								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1720	1732.5	1745		
Channel				20050	20175	20300		
20	QPSK	1	0	20.49	20.47	20.41	20.50	0
		1	50	20.36	20.30	20.23	20.50	0
		1	99	20.32	20.35	20.16	20.50	0
		50	0	20.34	20.38	20.27	20.50	0
		50	25	20.30	20.22	20.22	20.50	0
		50	50	20.31	20.27	20.25	20.50	0
		100	0	20.25	20.27	20.28	20.50	0
20	16-QAM	1	0	20.37	20.32	20.18	20.50	0
		1	50	20.28	20.33	20.27	20.50	0
		1	99	20.26	20.38	20.22	20.50	0
		50	0	20.28	20.33	20.28	20.50	0
		50	25	20.23	20.29	20.21	20.50	0
		50	50	20.32	20.31	20.37	20.50	0
		100	0	20.32	20.26	20.20	20.50	0
20	64-QAM	1	0	20.25	20.20	20.22	20.50	0
		1	50	20.43	20.22	20.28	20.50	0
		1	99	20.38	20.34	20.36	20.50	0
		50	0	20.38	20.24	20.15	20.50	0
		50	25	20.26	20.36	20.25	20.50	0
		50	50	20.32	20.19	20.14	20.50	0
		100	0	20.43	20.36	20.34	20.50	0

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LTE Band 4								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
Channel				20025	20175	20325		
15	QPSK	1	0	20.33	20.34	20.18	20.50	0
		1	36	20.31	20.36	20.28	20.50	0
		1	74	20.30	20.43	20.18	20.50	0
		36	0	20.27	20.27	20.21	20.50	0
		36	18	20.36	20.39	20.17	20.50	0
		36	37	20.27	20.30	20.21	20.50	0
		75	0	20.38	20.31	20.24	20.50	0
15	16-QAM	1	0	20.26	20.21	20.25	20.50	0
		1	36	20.40	20.38	20.13	20.50	0
		1	74	20.35	20.22	20.34	20.50	0
		36	0	20.31	20.20	20.30	20.50	0
		36	18	20.26	20.30	20.14	20.50	0
		36	37	20.28	20.35	20.29	20.50	0
		75	0	20.43	20.33	20.34	20.50	0
15	64-QAM	1	0	20.27	20.31	20.35	20.50	0
		1	36	20.45	20.37	20.17	20.50	0
		1	74	20.35	20.28	20.11	20.50	0
		36	0	20.29	20.28	20.24	20.50	0
		36	18	20.37	20.20	20.21	20.50	0
		36	37	20.22	20.37	20.36	20.50	0
		75	0	20.34	20.38	20.30	20.50	0

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LTE Band 4								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1715	1732.5	1750		
Channel				20000	20175	20350		
10	QPSK	1	0	20.26	20.34	20.26	20.50	0
		1	25	20.28	20.23	20.16	20.50	0
		1	49	20.35	20.40	20.32	20.50	0
		25	0	20.33	20.27	20.16	20.50	0
		25	12	20.36	20.35	20.25	20.50	0
		25	25	20.32	20.27	20.32	20.50	0
		50	0	20.32	20.29	20.26	20.50	0
10	16-QAM	1	0	20.32	20.28	20.32	20.50	0
		1	25	20.29	20.26	20.20	20.50	0
		1	49	20.41	20.32	20.31	20.50	0
		25	0	20.30	20.32	20.26	20.50	0
		25	12	20.39	20.29	20.29	20.50	0
		25	25	20.28	20.26	20.33	20.50	0
		50	0	20.43	20.42	20.25	20.50	0
10	64-QAM	1	0	20.32	20.38	20.34	20.50	0
		1	25	20.39	20.37	20.25	20.50	0
		1	49	20.34	20.21	20.13	20.50	0
		25	0	20.44	20.35	20.31	20.50	0
		25	12	20.32	20.17	20.28	20.50	0
		25	25	20.42	20.33	20.25	20.50	0
		50	0	20.32	20.20	20.31	20.50	0

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LTE Band 4								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
Channel				19975	20175	20375		
5	QPSK	1	0	20.34	20.32	20.25	20.50	0
		1	12	20.31	20.41	20.21	20.50	0
		1	24	20.41	20.38	20.26	20.50	0
		12	0	20.32	20.28	20.27	20.50	0
		12	6	20.45	20.21	20.21	20.50	0
		12	13	20.27	20.32	20.19	20.50	0
		25	0	20.37	20.43	20.36	20.50	0
5	16-QAM	1	0	20.41	20.31	20.34	20.50	0
		1	12	20.36	20.26	20.32	20.50	0
		1	24	20.22	20.28	20.20	20.50	0
		12	0	20.37	20.37	20.27	20.50	0
		12	6	20.43	20.40	20.35	20.50	0
		12	13	20.29	20.32	20.26	20.50	0
		25	0	20.35	20.41	20.23	20.50	0
5	64-QAM	1	0	20.39	20.28	20.39	20.50	0
		1	12	20.39	20.21	20.25	20.50	0
		1	24	20.38	20.42	20.27	20.50	0
		12	0	20.24	20.24	20.15	20.50	0
		12	6	20.45	20.31	20.19	20.50	0
		12	13	20.32	20.30	20.26	20.50	0
		25	0	20.34	20.36	20.27	20.50	0

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LTE Band 4								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
Channel				19965	20175	20385		
3	QPSK	1	0	20.21	20.27	20.21	20.50	0
		1	7	20.22	20.40	20.25	20.50	0
		1	14	20.36	20.35	20.32	20.50	0
		8	0	20.22	20.31	20.19	20.50	0
		8	4	20.24	20.20	20.31	20.50	0
		8	7	20.41	20.28	20.22	20.50	0
		15	0	20.40	20.38	20.22	20.50	0
3	16-QAM	1	0	20.37	20.26	20.17	20.50	0
		1	7	20.32	20.36	20.35	20.50	0
		1	14	20.29	20.20	20.27	20.50	0
		8	0	20.41	20.32	20.24	20.50	0
		8	4	20.31	20.39	20.26	20.50	0
		8	7	20.37	20.25	20.25	20.50	0
		15	0	20.40	20.36	20.27	20.50	0
3	64-QAM	1	0	20.28	20.28	20.37	20.50	0
		1	7	20.44	20.35	20.20	20.50	0
		1	14	20.21	20.44	20.30	20.50	0
		8	0	20.30	20.25	20.14	20.50	0
		8	4	20.38	20.32	20.23	20.50	0
		8	7	20.37	20.29	20.21	20.50	0
		15	0	20.33	20.26	20.26	20.50	0

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LTE Band 4								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
Channel				19957	20175	20393		
1.4	QPSK	1	0	20.33	20.32	20.24	20.50	0
		1	2	20.46	20.29	20.26	20.50	0
		1	5	20.38	20.37	20.27	20.50	0
		3	0	20.41	20.30	20.23	20.50	0
		3	2	20.45	20.37	20.20	20.50	0
		3	3	20.39	20.31	20.30	20.50	0
		6	0	20.27	20.33	20.25	20.50	0
1.4	16-QAM	1	0	20.24	20.36	20.21	20.50	0
		1	2	20.34	20.26	20.31	20.50	0
		1	5	20.38	20.34	20.29	20.50	0
		3	0	20.32	20.30	20.19	20.50	0
		3	2	20.23	20.27	20.21	20.50	0
		3	3	20.32	20.27	20.25	20.50	0
		6	0	20.33	20.38	20.27	20.50	0
1.4	64-QAM	1	0	20.40	20.25	20.30	20.50	0
		1	2	20.29	20.31	20.29	20.50	0
		1	5	20.39	20.35	20.34	20.50	0
		3	0	20.28	20.34	20.26	20.50	0
		3	2	20.39	20.18	20.32	20.50	0
		3	3	20.34	20.37	20.17	20.50	0
		6	0	20.42	20.29	20.26	20.50	0

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LTE Band 5								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				829	836.5	844		
Channel				20450	20525	20600		
10	QPSK	1	0	20.66	20.77	20.83	21.00	0
		1	25	20.48	20.53	20.72	21.00	0
		1	49	20.47	20.62	20.66	21.00	0
		25	0	20.57	20.60	20.72	21.00	0
		25	12	20.55	20.58	20.65	21.00	0
		25	25	20.53	20.55	20.66	21.00	0
		50	0	20.53	20.72	20.75	21.00	0
10	16-QAM	1	0	20.50	20.56	20.74	21.00	0
		1	25	20.51	20.68	20.74	21.00	0
		1	49	20.45	20.64	20.62	21.00	0
		25	0	20.42	20.54	20.64	21.00	0
		25	12	20.49	20.62	20.75	21.00	0
		25	25	20.56	20.56	20.64	21.00	0
		50	0	20.54	20.70	20.62	21.00	0
10	64-QAM	1	0	20.51	20.65	20.65	21.00	0
		1	25	20.43	20.64	20.69	21.00	0
		1	49	20.62	20.69	20.74	21.00	0
		25	0	20.47	20.61	20.61	21.00	0
		25	12	20.50	20.66	20.81	21.00	0
		25	25	20.54	20.55	20.67	21.00	0
		50	0	20.58	20.61	20.76	21.00	0

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LTE Band 5								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				826.5	836.5	846.5		
Channel				20425	20525	20625		
5	QPSK	1	0	20.47	20.56	20.67	21.00	0
		1	12	20.40	20.65	20.60	21.00	0
		1	24	20.51	20.61	20.64	21.00	0
		12	0	20.58	20.60	20.75	21.00	0
		12	6	20.55	20.56	20.65	21.00	0
		12	13	20.60	20.67	20.63	21.00	0
		25	0	20.43	20.59	20.57	21.00	0
5	16-QAM	1	0	20.41	20.51	20.75	21.00	0
		1	12	20.46	20.64	20.63	21.00	0
		1	24	20.50	20.58	20.59	21.00	0
		12	0	20.45	20.60	20.67	21.00	0
		12	6	20.63	20.61	20.66	21.00	0
		12	13	20.53	20.56	20.75	21.00	0
		25	0	20.52	20.55	20.69	21.00	0
5	64-QAM	1	0	20.55	20.58	20.71	21.00	0
		1	12	20.59	20.65	20.63	21.00	0
		1	24	20.56	20.65	20.64	21.00	0
		12	0	20.54	20.60	20.68	21.00	0
		12	6	20.48	20.66	20.69	21.00	0
		12	13	20.56	20.64	20.74	21.00	0
		25	0	20.60	20.59	20.72	21.00	0

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LTE Band 5								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				825.5	836.5	847.5		
Channel				20415	20525	20635		
3	QPSK	1	0	20.47	20.57	20.53	21.00	0
		1	7	20.37	20.73	20.65	21.00	0
		1	14	20.46	20.58	20.80	21.00	0
		8	0	20.42	20.56	20.60	21.00	0
		8	4	20.49	20.58	20.62	21.00	0
		8	7	20.49	20.66	20.60	21.00	0
		15	0	20.39	20.55	20.58	21.00	0
3	16-QAM	1	0	20.37	20.58	20.58	21.00	0
		1	7	20.45	20.61	20.72	21.00	0
		1	14	20.58	20.56	20.69	21.00	0
		8	0	20.49	20.61	20.62	21.00	0
		8	4	20.46	20.61	20.63	21.00	0
		8	7	20.63	20.63	20.62	21.00	0
		15	0	20.59	20.59	20.69	21.00	0
3	64-QAM	1	0	20.64	20.68	20.70	21.00	0
		1	7	20.47	20.61	20.68	21.00	0
		1	14	20.64	20.65	20.61	21.00	0
		8	0	20.61	20.58	20.67	21.00	0
		8	4	20.62	20.60	20.61	21.00	0
		8	7	20.48	20.61	20.65	21.00	0
		15	0	20.64	20.69	20.57	21.00	0

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LTE Band 5								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				824.7	836.5	848.3		
Channel				20407	20525	20643		
1.4	QPSK	1	0	20.46	20.61	20.63	21.00	0
		1	2	20.57	20.64	20.69	21.00	0
		1	5	20.51	20.65	20.63	21.00	0
		3	0	20.39	20.53	20.59	21.00	0
		3	2	20.53	20.58	20.65	21.00	0
		3	3	20.61	20.63	20.65	21.00	0
		6	0	20.44	20.61	20.72	21.00	0
1.4	16-QAM	1	0	20.58	20.55	20.67	21.00	0
		1	2	20.48	20.52	20.66	21.00	0
		1	5	20.57	20.58	20.59	21.00	0
		3	0	20.57	20.64	20.73	21.00	0
		3	2	20.52	20.51	20.67	21.00	0
		3	3	20.40	20.60	20.70	21.00	0
		6	0	20.58	20.60	20.58	21.00	0
1.4	64-QAM	1	0	20.38	20.56	20.60	21.00	0
		1	2	20.41	20.63	20.63	21.00	0
		1	5	20.44	20.60	20.61	21.00	0
		3	0	20.50	20.68	20.76	21.00	0
		3	2	20.50	20.69	20.59	21.00	0
		3	3	20.46	20.58	20.79	21.00	0
		6	0	20.40	20.57	20.75	21.00	0

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LTE Band 7								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2510	2535	2560		
Channel				20850	21100	21350		
20	QPSK	1	0	19.48	19.41	19.49	19.50	0
		1	50	19.26	19.13	19.29	19.50	0
		1	99	19.18	19.35	19.36	19.50	0
		50	0	19.33	19.31	19.28	19.50	0
		50	25	19.26	19.30	19.29	19.50	0
		50	50	19.31	19.26	19.21	19.50	0
		100	0	19.33	19.25	19.29	19.50	0
20	16-QAM	1	0	19.37	19.21	19.35	19.50	0
		1	50	19.33	19.16	19.41	19.50	0
		1	99	19.25	19.29	19.23	19.50	0
		50	0	19.28	19.26	19.40	19.50	0
		50	25	19.35	19.16	19.27	19.50	0
		50	50	19.41	19.31	19.29	19.50	0
		100	0	19.42	19.29	19.31	19.50	0
20	64-QAM	1	0	19.36	19.28	19.33	19.50	0
		1	50	19.43	19.23	19.30	19.50	0
		1	99	19.24	19.29	19.35	19.50	0
		50	0	19.35	19.38	19.42	19.50	0
		50	25	19.32	19.25	19.32	19.50	0
		50	50	19.33	19.19	19.23	19.50	0
		100	0	19.36	19.15	19.29	19.50	0

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Frequency (MHz)				2507.5	2535	2562.5		
Channel				20825	21100	21375		
15	QPSK	1	0	19.32	19.20	19.21	19.50	0
		1	36	19.31	19.33	19.27	19.50	0
		1	74	19.24	19.30	19.37	19.50	0
		36	0	19.32	19.16	19.27	19.50	0
		36	18	19.35	19.18	19.33	19.50	0
		36	37	19.24	19.31	19.34	19.50	0
		75	0	19.28	19.35	19.21	19.50	0
15	16-QAM	1	0	19.35	19.18	19.24	19.50	0
		1	36	19.33	19.25	19.34	19.50	0
		1	74	19.30	19.23	19.41	19.50	0
		36	0	19.39	19.26	19.31	19.50	0
		36	18	19.32	19.29	19.37	19.50	0
		36	37	19.30	19.24	19.37	19.50	0
		75	0	19.28	19.31	19.41	19.50	0
15	64-QAM	1	0	19.24	19.21	19.32	19.50	0
		1	36	19.34	19.20	19.39	19.50	0
		1	74	19.30	19.37	19.34	19.50	0
		36	0	19.19	19.29	19.28	19.50	0
		36	18	19.44	19.14	19.22	19.50	0
		36	37	19.33	19.20	19.35	19.50	0
		75	0	19.35	19.19	19.37	19.50	0

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LTE Band 7								
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Frequency (MHz)				2505	2535	2565		
Channel				20800	21100	21400		
10	QPSK	1	0	19.31	19.27	19.40	19.50	0
		1	25	19.39	19.23	19.33	19.50	0
		1	49	19.31	19.32	19.23	19.50	0
		25	0	19.26	19.29	19.39	19.50	0
		25	12	19.39	19.27	19.35	19.50	0
		25	25	19.28	19.29	19.30	19.50	0
		50	0	19.22	19.25	19.38	19.50	0
10	16-QAM	1	0	19.33	19.38	19.38	19.50	0
		1	25	19.35	19.23	19.20	19.50	0
		1	49	19.25	19.18	19.44	19.50	0
		25	0	19.28	19.25	19.30	19.50	0
		25	12	19.35	19.26	19.41	19.50	0
		25	25	19.40	19.19	19.38	19.50	0
		50	0	19.46	19.33	19.28	19.50	0
10	64-QAM	1	0	19.39	19.26	19.28	19.50	0
		1	25	19.40	19.17	19.34	19.50	0
		1	49	19.42	19.25	19.44	19.50	0
		25	0	19.40	19.29	19.23	19.50	0
		25	12	19.32	19.22	19.39	19.50	0
		25	25	19.26	19.27	19.32	19.50	0
		50	0	19.24	19.34	19.24	19.50	0

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LTE Band 7								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2502.5	2535	2567.5		
Channel				20775	21100	21425		
5	QPSK	1	0	19.28	19.28	19.25	19.50	0
		1	12	19.29	19.31	19.40	19.50	0
		1	24	19.32	19.21	19.35	19.50	0
		12	0	19.27	19.23	19.33	19.50	0
		12	6	19.29	19.15	19.31	19.50	0
		12	13	19.30	19.18	19.34	19.50	0
		25	0	19.38	19.36	19.35	19.50	0
5	16-QAM	1	0	19.34	19.24	19.30	19.50	0
		1	12	19.33	19.18	19.33	19.50	0
		1	24	19.31	19.13	19.29	19.50	0
		12	0	19.26	19.27	19.43	19.50	0
		12	6	19.37	19.27	19.29	19.50	0
		12	13	19.34	19.33	19.26	19.50	0
		25	0	19.28	19.33	19.40	19.50	0
5	64-QAM	1	0	19.34	19.26	19.33	19.50	0
		1	12	19.34	19.24	19.46	19.50	0
		1	24	19.42	19.29	19.33	19.50	0
		12	0	19.36	19.29	19.42	19.50	0
		12	6	19.28	19.17	19.27	19.50	0
		12	13	19.36	19.27	19.31	19.50	0
		25	0	19.28	19.21	19.34	19.50	0

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LTE Band 14						
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				793		
Channel				23330		
10	QPSK	1	0	21.88	22.00	0
		1	25	21.73	22.00	0
		1	49	21.75	22.00	0
		25	0	21.77	22.00	0
		25	12	21.69	22.00	0
		25	25	21.65	22.00	0
		50	0	21.70	22.00	0
10	16-QAM	1	0	21.58	22.00	0
		1	25	21.70	22.00	0
		1	49	21.77	22.00	0
		25	0	21.80	22.00	0
		25	12	21.65	22.00	0
		25	25	21.72	22.00	0
		50	0	21.78	22.00	0
10	64-QAM	1	0	21.72	22.00	0
		1	25	21.65	22.00	0
		1	49	21.69	22.00	0
		25	0	21.59	22.00	0
		25	12	21.76	22.00	0
		25	25	21.71	22.00	0
		50	0	21.73	22.00	0

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LTE Band 14								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				790.5	793	795.5		
Channel				23305	23330	23355		
5	QPSK	1	0	21.62	21.60	21.71	22.00	0
		1	12	21.70	21.70	21.64	22.00	0
		1	24	21.86	21.67	21.66	22.00	0
		12	0	21.59	21.71	21.69	22.00	0
		12	6	21.77	21.71	21.62	22.00	0
		12	13	21.64	21.80	21.59	22.00	0
		25	0	21.77	21.69	21.55	22.00	0
5	16-QAM	1	0	21.73	21.66	21.63	22.00	0
		1	12	21.72	21.69	21.72	22.00	0
		1	24	21.83	21.78	21.58	22.00	0
		12	0	21.80	21.79	21.69	22.00	0
		12	6	21.80	21.57	21.73	22.00	0
		12	13	21.73	21.70	21.67	22.00	0
		25	0	21.72	21.75	21.67	22.00	0
5	64-QAM	1	0	21.62	21.76	21.71	22.00	0
		1	12	21.59	21.69	21.60	22.00	0
		1	24	21.71	21.66	21.66	22.00	0
		12	0	21.58	21.60	21.67	22.00	0
		12	6	21.73	21.73	21.60	22.00	0
		12	13	21.71	21.67	21.53	22.00	0
		25	0	21.65	21.72	21.64	22.00	0

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LTE Band 25								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1860	1882.5	1905		
Channel				26140	26365	26590		
20	QPSK	1	0	19.61	19.66	19.86	20.00	0
		1	50	19.40	19.41	19.60	20.00	0
		1	99	19.54	19.44	19.70	20.00	0
		50	0	19.60	19.66	19.79	20.00	0
		50	25	19.37	19.54	19.67	20.00	0
		50	50	19.50	19.48	19.78	20.00	0
		100	0	19.58	19.63	19.57	20.00	0
20	16-QAM	1	0	19.42	19.57	19.71	20.00	0
		1	50	19.38	19.49	19.67	20.00	0
		1	99	19.33	19.47	19.69	20.00	0
		50	0	19.51	19.45	19.64	20.00	0
		50	25	19.35	19.48	19.63	20.00	0
		50	50	19.39	19.52	19.78	20.00	0
		100	0	19.37	19.50	19.71	20.00	0
20	64-QAM	1	0	19.52	19.63	19.70	20.00	0
		1	50	19.58	19.51	19.69	20.00	0
		1	99	19.51	19.54	19.82	20.00	0
		50	0	19.46	19.60	19.70	20.00	0
		50	25	19.50	19.45	19.78	20.00	0
		50	50	19.45	19.51	19.64	20.00	0
		100	0	19.57	19.51	19.63	20.00	0

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LTE Band 25								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
Channel				26115	26365	26615		
15	QPSK	1	0	19.39	19.43	19.74	20.00	0
		1	36	19.47	19.49	19.69	20.00	0
		1	74	19.53	19.52	19.62	20.00	0
		36	0	19.39	19.46	19.66	20.00	0
		36	18	19.36	19.46	19.81	20.00	0
		36	37	19.43	19.54	19.71	20.00	0
		75	0	19.53	19.41	19.76	20.00	0
15	16-QAM	1	0	19.52	19.54	19.79	20.00	0
		1	36	19.59	19.52	19.69	20.00	0
		1	74	19.42	19.44	19.71	20.00	0
		36	0	19.33	19.49	19.76	20.00	0
		36	18	19.52	19.43	19.72	20.00	0
		36	37	19.46	19.42	19.62	20.00	0
		75	0	19.46	19.55	19.70	20.00	0
15	64-QAM	1	0	19.43	19.53	19.73	20.00	0
		1	36	19.44	19.53	19.70	20.00	0
		1	74	19.56	19.63	19.65	20.00	0
		36	0	19.43	19.52	19.72	20.00	0
		36	18	19.52	19.41	19.74	20.00	0
		36	37	19.34	19.49	19.75	20.00	0
		75	0	19.46	19.42	19.76	20.00	0

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LTE Band 25								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1855	1882.5	1910		
Channel				26090	26365	26640		
10	QPSK	1	0	19.41	19.43	19.75	20.00	0
		1	25	19.45	19.51	19.76	20.00	0
		1	49	19.42	19.53	19.73	20.00	0
		25	0	19.55	19.46	19.81	20.00	0
		25	12	19.31	19.42	19.78	20.00	0
		25	25	19.54	19.51	19.63	20.00	0
		50	0	19.41	19.59	19.69	20.00	0
10	16-QAM	1	0	19.42	19.50	19.78	20.00	0
		1	25	19.48	19.42	19.72	20.00	0
		1	49	19.40	19.56	19.61	20.00	0
		25	0	19.55	19.62	19.81	20.00	0
		25	12	19.42	19.47	19.74	20.00	0
		25	25	19.39	19.55	19.66	20.00	0
		50	0	19.35	19.54	19.62	20.00	0
10	64-QAM	1	0	19.47	19.45	19.64	20.00	0
		1	25	19.50	19.53	19.69	20.00	0
		1	49	19.51	19.51	19.78	20.00	0
		25	0	19.48	19.52	19.74	20.00	0
		25	12	19.39	19.51	19.64	20.00	0
		25	25	19.55	19.46	19.71	20.00	0
		50	0	19.47	19.53	19.74	20.00	0

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LTE Band 25								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
Channel				26065	26365	26665		
5	QPSK	1	0	19.48	19.49	19.73	20.00	0
		1	12	19.51	19.47	19.71	20.00	0
		1	24	19.44	19.53	19.78	20.00	0
		12	0	19.48	19.62	19.78	20.00	0
		12	6	19.39	19.51	19.69	20.00	0
		12	13	19.56	19.47	19.69	20.00	0
		25	0	19.47	19.42	19.78	20.00	0
5	16-QAM	1	0	19.45	19.50	19.71	20.00	0
		1	12	19.54	19.54	19.73	20.00	0
		1	24	19.52	19.62	19.81	20.00	0
		12	0	19.45	19.53	19.75	20.00	0
		12	6	19.47	19.45	19.66	20.00	0
		12	13	19.45	19.41	19.79	20.00	0
		25	0	19.45	19.49	19.69	20.00	0
5	64-QAM	1	0	19.32	19.59	19.77	20.00	0
		1	12	19.57	19.58	19.80	20.00	0
		1	24	19.40	19.64	19.83	20.00	0
		12	0	19.42	19.40	19.77	20.00	0
		12	6	19.41	19.52	19.57	20.00	0
		12	13	19.57	19.50	19.78	20.00	0
		25	0	19.45	19.53	19.81	20.00	0

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LTE Band 25								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1851.5	1882.5	1913.5		
Channel				26055	26365	26675		
3	QPSK	1	0	19.41	19.55	19.75	20.00	0
		1	7	19.42	19.46	19.77	20.00	0
		1	14	19.48	19.38	19.76	20.00	0
		8	0	19.42	19.60	19.60	20.00	0
		8	4	19.46	19.39	19.60	20.00	0
		8	7	19.43	19.48	19.70	20.00	0
		15	0	19.38	19.64	19.72	20.00	0
3	16-QAM	1	0	19.51	19.49	19.76	20.00	0
		1	7	19.49	19.59	19.73	20.00	0
		1	14	19.39	19.44	19.72	20.00	0
		8	0	19.50	19.55	19.72	20.00	0
		8	4	19.58	19.53	19.66	20.00	0
		8	7	19.46	19.54	19.73	20.00	0
		15	0	19.44	19.43	19.58	20.00	0
3	64-QAM	1	0	19.49	19.54	19.76	20.00	0
		1	7	19.44	19.44	19.70	20.00	0
		1	14	19.43	19.47	19.70	20.00	0
		8	0	19.47	19.58	19.70	20.00	0
		8	4	19.47	19.49	19.75	20.00	0
		8	7	19.51	19.52	19.57	20.00	0
		15	0	19.41	19.45	19.65	20.00	0

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LTE Band 25								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1850.7	1882.5	1914.3		
Channel				26047	26365	26683		
1.4	QPSK	1	0	19.51	19.60	19.64	20.00	0
		1	2	19.39	19.44	19.72	20.00	0
		1	5	19.49	19.51	19.69	20.00	0
		3	0	19.36	19.63	19.83	20.00	0
		3	2	19.43	19.49	19.65	20.00	0
		3	3	19.41	19.51	19.74	20.00	0
		6	0	19.40	19.56	19.82	20.00	0
1.4	16-QAM	1	0	19.49	19.56	19.71	20.00	0
		1	2	19.54	19.52	19.77	20.00	0
		1	5	19.43	19.43	19.79	20.00	0
		3	0	19.42	19.55	19.74	20.00	0
		3	2	19.41	19.46	19.72	20.00	0
		3	3	19.47	19.52	19.67	20.00	0
		6	0	19.48	19.47	19.63	20.00	0
1.4	64-QAM	1	0	19.49	19.59	19.71	20.00	0
		1	2	19.48	19.45	19.67	20.00	0
		1	5	19.45	19.47	19.56	20.00	0
		3	0	19.41	19.51	19.65	20.00	0
		3	2	19.44	19.52	19.72	20.00	0
		3	3	19.40	19.55	19.61	20.00	0
		6	0	19.39	19.50	19.66	20.00	0

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LTE Band 26_FCC								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				821.5	831.5	841.5		
Channel				26765	26865	26965		
15	QPSK	1	0	20.72	20.74	20.82	21.00	0
		1	36	20.53	20.66	20.66	21.00	0
		1	74	20.58	20.56	20.67	21.00	0
		36	0	20.64	20.51	20.72	21.00	0
		36	18	20.58	20.41	20.70	21.00	0
		36	37	20.61	20.49	20.66	21.00	0
		75	0	20.61	20.51	20.69	21.00	0
15	16-QAM	1	0	20.47	20.55	20.70	21.00	0
		1	36	20.50	20.56	20.76	21.00	0
		1	74	20.58	20.45	20.61	21.00	0
		36	0	20.51	20.51	20.74	21.00	0
		36	18	20.53	20.55	20.62	21.00	0
		36	37	20.60	20.50	20.65	21.00	0
		75	0	20.58	20.60	20.63	21.00	0
15	64-QAM	1	0	20.56	20.62	20.65	21.00	0
		1	36	20.62	20.65	20.70	21.00	0
		1	74	20.45	20.45	20.77	21.00	0
		36	0	20.51	20.64	20.69	21.00	0
		36	18	20.49	20.71	20.57	21.00	0
		36	37	20.53	20.58	20.74	21.00	0
		75	0	20.66	20.53	20.71	21.00	0

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LTE Band 26_FCC								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				819	831.5	844		
Channel				26740	26865	26990		
10	QPSK	1	0	20.62	20.51	20.62	21.00	0
		1	25	20.57	20.65	20.76	21.00	0
		1	49	20.52	20.59	20.69	21.00	0
		25	0	20.59	20.59	20.70	21.00	0
		25	12	20.60	20.58	20.69	21.00	0
		25	25	20.60	20.62	20.66	21.00	0
		50	0	20.48	20.66	20.69	21.00	0
10	16-QAM	1	0	20.49	20.52	20.65	21.00	0
		1	25	20.60	20.64	20.65	21.00	0
		1	49	20.54	20.53	20.73	21.00	0
		25	0	20.62	20.63	20.64	21.00	0
		25	12	20.59	20.64	20.55	21.00	0
		25	25	20.61	20.54	20.72	21.00	0
		50	0	20.62	20.58	20.72	21.00	0
10	64-QAM	1	0	20.66	20.63	20.73	21.00	0
		1	25	20.59	20.56	20.68	21.00	0
		1	49	20.51	20.51	20.72	21.00	0
		25	0	20.47	20.60	20.79	21.00	0
		25	12	20.63	20.55	20.67	21.00	0
		25	25	20.47	20.55	20.61	21.00	0
		50	0	20.57	20.52	20.70	21.00	0

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LTE Band 26_FCC								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				816.5	831.5	846.5		
Channel				26715	26865	27015		
5	QPSK	1	0	20.53	20.50	20.70	21.00	0
		1	12	20.65	20.55	20.58	21.00	0
		1	24	20.56	20.50	20.59	21.00	0
		12	0	20.51	20.59	20.63	21.00	0
		12	6	20.49	20.60	20.55	21.00	0
		12	13	20.50	20.71	20.59	21.00	0
		25	0	20.51	20.53	20.70	21.00	0
5	16-QAM	1	0	20.62	20.57	20.66	21.00	0
		1	12	20.47	20.58	20.64	21.00	0
		1	24	20.58	20.51	20.73	21.00	0
		12	0	20.62	20.52	20.54	21.00	0
		12	6	20.62	20.57	20.66	21.00	0
		12	13	20.58	20.51	20.61	21.00	0
		25	0	20.55	20.58	20.57	21.00	0
5	64-QAM	1	0	20.49	20.56	20.66	21.00	0
		1	12	20.58	20.48	20.70	21.00	0
		1	24	20.59	20.61	20.60	21.00	0
		12	0	20.54	20.59	20.73	21.00	0
		12	6	20.54	20.57	20.58	21.00	0
		12	13	20.62	20.62	20.74	21.00	0
		25	0	20.64	20.54	20.66	21.00	0

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LTE Band 26_FCC								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				815.5	831.5	847.5		
Channel				26705	26865	27025		
3	QPSK	1	0	20.56	20.62	20.66	21.00	0
		1	7	20.67	20.57	20.67	21.00	0
		1	14	20.59	20.48	20.61	21.00	0
		8	0	20.54	20.57	20.70	21.00	0
		8	4	20.50	20.59	20.65	21.00	0
		8	7	20.64	20.54	20.61	21.00	0
		15	0	20.51	20.55	20.67	21.00	0
3	16-QAM	1	0	20.53	20.44	20.72	21.00	0
		1	7	20.60	20.65	20.75	21.00	0
		1	14	20.53	20.47	20.61	21.00	0
		8	0	20.49	20.53	20.68	21.00	0
		8	4	20.57	20.68	20.74	21.00	0
		8	7	20.58	20.72	20.63	21.00	0
		15	0	20.57	20.71	20.57	21.00	0
3	64-QAM	1	0	20.62	20.53	20.63	21.00	0
		1	7	20.54	20.61	20.64	21.00	0
		1	14	20.56	20.52	20.69	21.00	0
		8	0	20.57	20.57	20.65	21.00	0
		8	4	20.54	20.51	20.79	21.00	0
		8	7	20.61	20.54	20.61	21.00	0
		15	0	20.64	20.65	20.61	21.00	0

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LTE Band 26_FCC								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				814.7	831.5	848.3		
Channel				26697	26865	27033		
1.4	QPSK	1	0	20.48	20.63	20.70	21.00	0
		1	2	20.66	20.59	20.63	21.00	0
		1	5	20.45	20.48	20.64	21.00	0
		3	0	20.50	20.60	20.59	21.00	0
		3	2	20.53	20.47	20.66	21.00	0
		3	3	20.57	20.57	20.73	21.00	0
		6	0	20.50	20.68	20.68	21.00	0
1.4	16-QAM	1	0	20.56	20.64	20.62	21.00	0
		1	2	20.49	20.62	20.64	21.00	0
		1	5	20.65	20.62	20.71	21.00	0
		3	0	20.57	20.57	20.73	21.00	0
		3	2	20.54	20.50	20.61	21.00	0
		3	3	20.46	20.70	20.60	21.00	0
		6	0	20.53	20.56	20.67	21.00	0
1.4	64-QAM	1	0	20.62	20.63	20.67	21.00	0
		1	2	20.63	20.54	20.60	21.00	0
		1	5	20.59	20.69	20.71	21.00	0
		3	0	20.57	20.69	20.66	21.00	0
		3	2	20.55	20.59	20.60	21.00	0
		3	3	20.53	20.59	20.69	21.00	0
		6	0	20.48	20.56	20.64	21.00	0

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LTE Band 66								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1720	1745	1770		
Channel				132072	132322	132572		
20	QPSK	1	0	20.31	20.39	20.45	20.50	0
		1	50	20.14	20.32	20.23	20.50	0
		1	99	20.15	20.27	20.29	20.50	0
		50	0	20.20	20.31	20.32	20.50	0
		50	25	20.16	20.16	20.25	20.50	0
		50	50	20.18	20.28	20.22	20.50	0
		100	0	20.13	20.30	20.35	20.50	0
20	16-QAM	1	0	20.05	20.13	20.32	20.50	0
		1	50	20.23	20.23	20.30	20.50	0
		1	99	20.14	20.31	20.36	20.50	0
		50	0	20.14	20.33	20.30	20.50	0
		50	25	20.18	20.11	20.19	20.50	0
		50	50	20.22	20.29	20.30	20.50	0
		100	0	20.12	20.27	20.30	20.50	0
20	64-QAM	1	0	20.13	20.11	20.28	20.50	0
		1	50	20.24	20.20	20.34	20.50	0
		1	99	20.14	20.16	20.34	20.50	0
		50	0	20.15	20.25	20.16	20.50	0
		50	25	20.06	20.31	20.28	20.50	0
		50	50	20.14	20.18	20.35	20.50	0
		100	0	20.22	20.19	20.28	20.50	0

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LTE Band 66								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1717.5	1745	1772.5		
Channel				132047	132322	132597		
15	QPSK	1	0	20.24	20.28	20.32	20.50	0
		1	36	20.16	20.22	20.23	20.50	0
		1	74	20.13	20.21	20.31	20.50	0
		36	0	20.05	20.15	20.25	20.50	0
		36	18	20.21	20.30	20.16	20.50	0
		36	37	20.11	20.17	20.34	20.50	0
		75	0	20.22	20.31	20.19	20.50	0
15	16-QAM	1	0	20.12	20.19	20.35	20.50	0
		1	36	20.15	20.25	20.35	20.50	0
		1	74	20.21	20.21	20.27	20.50	0
		36	0	20.23	20.35	20.27	20.50	0
		36	18	20.16	20.18	20.24	20.50	0
		36	37	20.03	20.26	20.30	20.50	0
		75	0	20.11	20.30	20.34	20.50	0
15	64-QAM	1	0	20.21	20.13	20.22	20.50	0
		1	36	20.07	20.19	20.22	20.50	0
		1	74	20.04	20.19	20.28	20.50	0
		36	0	20.18	20.27	20.33	20.50	0
		36	18	20.13	20.15	20.15	20.50	0
		36	37	20.18	20.21	20.26	20.50	0
		75	0	20.19	20.25	20.32	20.50	0

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LTE Band 66								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1715	1745	1775		
Channel				132022	132322	132622		
10	QPSK	1	0	20.02	20.17	20.21	20.50	0
		1	25	20.21	20.27	20.36	20.50	0
		1	49	20.23	20.16	20.29	20.50	0
		25	0	20.07	20.23	20.19	20.50	0
		25	12	20.13	20.30	20.24	20.50	0
		25	25	20.09	20.23	20.34	20.50	0
		50	0	20.10	20.19	20.38	20.50	0
10	16-QAM	1	0	20.17	20.23	20.26	20.50	0
		1	25	20.12	20.25	20.33	20.50	0
		1	49	20.23	20.24	20.30	20.50	0
		25	0	20.14	20.17	20.24	20.50	0
		25	12	20.03	20.30	20.31	20.50	0
		25	25	20.08	20.12	20.36	20.50	0
		50	0	20.21	20.32	20.33	20.50	0
10	64-QAM	1	0	20.07	20.26	20.27	20.50	0
		1	25	20.11	20.18	20.29	20.50	0
		1	49	20.16	20.23	20.36	20.50	0
		25	0	20.10	20.23	20.18	20.50	0
		25	12	20.06	20.25	20.24	20.50	0
		25	25	20.23	20.17	20.31	20.50	0
		50	0	20.07	20.22	20.28	20.50	0

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LTE Band 66								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1712.5	1745	1777.5		
Channel				131997	132322	132647		
5	QPSK	1	0	20.15	20.34	20.35	20.50	0
		1	12	20.11	20.25	20.36	20.50	0
		1	24	20.18	20.16	20.42	20.50	0
		12	0	20.21	20.32	20.37	20.50	0
		12	6	20.20	20.18	20.31	20.50	0
		12	13	20.09	20.19	20.24	20.50	0
		25	0	20.17	20.28	20.35	20.50	0
5	16-QAM	1	0	20.24	20.33	20.30	20.50	0
		1	12	20.16	20.23	20.33	20.50	0
		1	24	20.13	20.29	20.38	20.50	0
		12	0	20.11	20.23	20.23	20.50	0
		12	6	20.12	20.16	20.35	20.50	0
		12	13	20.11	20.26	20.20	20.50	0
		25	0	20.20	20.21	20.38	20.50	0
5	64-QAM	1	0	20.18	20.23	20.31	20.50	0
		1	12	20.11	20.15	20.27	20.50	0
		1	24	20.16	20.11	20.25	20.50	0
		12	0	20.14	20.33	20.29	20.50	0
		12	6	20.17	20.13	20.36	20.50	0
		12	13	20.22	20.32	20.17	20.50	0
		25	0	20.16	20.19	20.33	20.50	0

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LTE Band 66								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1711.5	1745	1778.5		
Channel				131987	132322	132657		
3	QPSK	1	0	20.25	20.23	20.22	20.50	0
		1	7	20.20	20.16	20.40	20.50	0
		1	14	20.03	20.12	20.24	20.50	0
		8	0	20.04	20.19	20.37	20.50	0
		8	4	20.08	20.28	20.34	20.50	0
		8	7	20.22	20.29	20.34	20.50	0
		15	0	20.08	20.26	20.25	20.50	0
3	16-QAM	1	0	20.06	20.28	20.30	20.50	0
		1	7	20.11	20.28	20.22	20.50	0
		1	14	20.12	20.11	20.24	20.50	0
		8	0	20.02	20.14	20.19	20.50	0
		8	4	20.15	20.25	20.23	20.50	0
		8	7	20.20	20.27	20.27	20.50	0
		15	0	20.03	20.23	20.27	20.50	0
3	64-QAM	1	0	20.03	20.11	20.20	20.50	0
		1	7	20.19	20.25	20.30	20.50	0
		1	14	20.13	20.31	20.25	20.50	0
		8	0	20.19	20.20	20.40	20.50	0
		8	4	20.05	20.22	20.17	20.50	0
		8	7	20.07	20.16	20.26	20.50	0
		15	0	20.17	20.28	20.22	20.50	0

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LTE Band 66								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1710.7	1745	1779.3		
Channel				131979	132322	132665		
1.4	QPSK	1	0	20.08	20.32	20.18	20.50	0
		1	2	20.09	20.18	20.33	20.50	0
		1	5	20.17	20.26	20.31	20.50	0
		3	0	20.21	20.21	20.22	20.50	0
		3	2	20.05	20.36	20.29	20.50	0
		3	3	20.27	20.29	20.34	20.50	0
		6	0	20.01	20.25	20.31	20.50	0
1.4	16-QAM	1	0	20.14	20.28	20.18	20.50	0
		1	2	20.20	20.20	20.17	20.50	0
		1	5	20.16	20.21	20.29	20.50	0
		3	0	20.04	20.29	20.23	20.50	0
		3	2	20.13	20.32	20.18	20.50	0
		3	3	20.15	20.33	20.38	20.50	0
		6	0	20.18	20.22	20.28	20.50	0
1.4	64-QAM	1	0	20.15	20.10	20.28	20.50	0
		1	2	20.11	20.27	20.22	20.50	0
		1	5	20.11	20.19	20.34	20.50	0
		3	0	20.11	20.23	20.30	20.50	0
		3	2	20.22	20.21	20.24	20.50	0
		3	3	20.29	20.28	20.29	20.50	0
		6	0	20.15	20.33	20.29	20.50	0

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Full Power

LTE Band 2								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1860	1880	1900		
Channel				18700	18900	19100		
20	QPSK	1	0	23.82	23.79	23.98	24.00	0
		1	50	23.60	23.54	23.82	24.00	0
		1	99	23.69	23.63	23.84	24.00	0
		50	0	22.93	22.95	22.98	23.00	1
		50	25	22.76	22.76	22.83	23.00	1
		50	50	22.63	22.63	22.83	23.00	1
		100	0	22.84	22.86	22.96	23.00	1
20	16-QAM	1	0	22.67	22.61	22.82	23.00	1
		1	50	22.58	22.64	22.85	23.00	1
		1	99	22.60	22.61	22.85	23.00	1
		50	0	21.55	21.75	21.80	22.00	2
		50	25	21.64	21.72	21.85	22.00	2
		50	50	21.72	21.52	21.80	22.00	2
		100	0	21.76	21.66	21.85	22.00	2
20	64-QAM	1	0	21.63	21.71	21.79	22.00	2
		1	50	21.71	21.64	21.86	22.00	2
		1	99	21.66	21.64	21.76	22.00	2
		50	0	20.60	20.52	20.81	21.00	3
		50	25	20.74	20.54	20.74	21.00	3
		50	50	20.64	20.62	20.83	21.00	3
		100	0	20.68	20.52	20.79	21.00	3

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LTE Band 2								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1857.5	1880	1902.5		
Channel				18675	18900	19125		
15	QPSK	1	0	23.76	23.71	23.88	24.00	0
		1	36	23.63	23.61	23.88	24.00	0
		1	74	23.66	23.74	23.86	24.00	0
		36	0	22.63	22.64	22.77	23.00	1
		36	18	22.72	22.67	22.94	23.00	1
		36	37	22.61	22.62	22.76	23.00	1
		75	0	22.56	22.63	22.78	23.00	1
15	16-QAM	1	0	22.62	22.58	22.79	23.00	1
		1	36	22.71	22.57	22.81	23.00	1
		1	74	22.63	22.70	22.82	23.00	1
		36	0	21.66	21.64	21.81	22.00	2
		36	18	21.55	21.70	21.83	22.00	2
		36	37	21.64	21.67	21.94	22.00	2
		75	0	21.62	21.69	21.82	22.00	2
15	64-QAM	1	0	21.63	21.75	21.76	22.00	2
		1	36	21.62	21.72	21.90	22.00	2
		1	74	21.75	21.68	21.76	22.00	2
		36	0	20.68	20.69	20.74	21.00	3
		36	18	20.67	20.61	20.82	21.00	3
		36	37	20.63	20.65	20.75	21.00	3
		75	0	20.67	20.66	20.81	21.00	3

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LTE Band 2								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1855	1880	1905		
Channel				18650	18900	19150		
10	QPSK	1	0	23.73	23.62	23.68	24.00	0
		1	25	23.74	23.68	23.94	24.00	0
		1	49	23.63	23.66	23.82	24.00	0
		25	0	22.68	22.73	22.73	23.00	1
		25	12	22.66	22.62	22.75	23.00	1
		25	25	22.70	22.63	22.70	23.00	1
		50	0	22.64	22.76	22.86	23.00	1
10	16-QAM	1	0	22.71	22.64	22.81	23.00	1
		1	25	22.68	22.64	22.74	23.00	1
		1	49	22.74	22.61	22.75	23.00	1
		25	0	21.61	21.59	21.75	22.00	2
		25	12	21.58	21.58	21.77	22.00	2
		25	25	21.71	21.59	21.81	22.00	2
		50	0	21.61	21.63	21.78	22.00	2
10	64-QAM	1	0	21.65	21.64	21.79	22.00	2
		1	25	21.67	21.57	21.83	22.00	2
		1	49	21.60	21.70	21.76	22.00	2
		25	0	20.63	20.54	20.92	21.00	3
		25	12	20.72	20.72	20.81	21.00	3
		25	25	20.71	20.52	20.86	21.00	3
		50	0	20.56	20.54	20.79	21.00	3

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LTE Band 2								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1852.5	1880	1907.5		
Channel				18625	18900	19175		
5	QPSK	1	0	23.69	23.72	23.82	24.00	0
		1	12	23.78	23.54	23.71	24.00	0
		1	24	23.62	23.64	23.90	24.00	0
		12	0	22.74	22.49	22.81	23.00	1
		12	6	22.69	22.69	22.72	23.00	1
		12	13	22.77	22.62	22.94	23.00	1
		25	0	22.60	22.71	22.85	23.00	1
5	16-QAM	1	0	22.67	22.69	22.81	23.00	1
		1	12	22.58	22.59	22.75	23.00	1
		1	24	22.64	22.62	22.80	23.00	1
		12	0	21.66	21.57	21.92	22.00	2
		12	6	21.73	21.64	21.81	22.00	2
		12	13	21.62	21.57	21.82	22.00	2
		25	0	21.56	21.50	21.84	22.00	2
5	64-QAM	1	0	21.62	21.69	21.84	22.00	2
		1	12	21.68	21.63	21.91	22.00	2
		1	24	21.62	21.67	21.82	22.00	2
		12	0	20.70	20.52	20.80	21.00	3
		12	6	20.53	20.58	20.86	21.00	3
		12	13	20.68	20.63	20.75	21.00	3
		25	0	20.63	20.64	20.78	21.00	3

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LTE Band 2								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1851.5	1880	1908.5		
Channel				18615	18900	19185		
3	QPSK	1	0	23.73	23.60	23.90	24.00	0
		1	7	23.71	23.62	23.78	24.00	0
		1	14	23.62	23.64	23.88	24.00	0
		8	0	22.72	22.56	22.79	23.00	1
		8	4	22.58	22.63	22.94	23.00	1
		8	7	22.66	22.77	22.87	23.00	1
		15	0	22.70	22.66	22.93	23.00	1
3	16-QAM	1	0	22.71	22.64	22.77	23.00	1
		1	7	22.70	22.68	22.87	23.00	1
		1	14	22.57	22.66	22.83	23.00	1
		8	0	21.75	21.65	21.82	22.00	2
		8	4	21.59	21.59	21.96	22.00	2
		8	7	21.58	21.54	21.88	22.00	2
		15	0	21.57	21.70	21.87	22.00	2
3	64-QAM	1	0	21.62	21.59	21.75	22.00	2
		1	7	21.73	21.57	21.74	22.00	2
		1	14	21.64	21.57	21.84	22.00	2
		8	0	20.68	20.66	20.91	21.00	3
		8	4	20.69	20.51	20.80	21.00	3
		8	7	20.67	20.53	20.86	21.00	3
		15	0	20.68	20.63	20.85	21.00	3

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LTE Band 2								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1850.7	1880	1909.3		
Channel				18607	18900	19193		
1.4	QPSK	1	0	23.62	23.64	23.87	24.00	0
		1	2	23.69	23.64	23.79	24.00	0
		1	5	23.61	23.61	23.86	24.00	0
		3	0	22.67	22.55	22.93	24.00	0
		3	2	22.71	22.68	22.72	24.00	0
		3	3	22.70	22.57	22.79	24.00	0
		6	0	22.58	22.75	22.87	23.00	1
1.4	16-QAM	1	0	22.64	22.58	22.90	23.00	1
		1	2	22.60	22.75	22.74	23.00	1
		1	5	22.56	22.59	22.81	23.00	1
		3	0	21.70	21.67	21.83	23.00	1
		3	2	21.66	21.56	21.85	23.00	1
		3	3	21.75	21.61	21.93	23.00	1
		6	0	21.75	21.68	21.79	22.00	2
1.4	64-QAM	1	0	21.75	21.63	21.86	22.00	2
		1	2	21.59	21.61	21.89	22.00	2
		1	5	21.79	21.56	21.78	22.00	2
		3	0	21.69	21.63	21.76	22.00	2
		3	2	21.69	21.59	21.87	22.00	2
		3	3	21.71	21.66	21.86	22.00	2
		6	0	20.64	20.61	20.95	21.00	3

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LTE Band 4								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1720	1732.5	1745		
Channel				20050	20175	20300		
20	QPSK	1	0	23.94	23.82	23.92	24.00	0
		1	50	23.81	23.71	23.87	24.00	0
		1	99	23.80	23.67	23.77	24.00	0
		50	0	22.93	22.92	22.97	23.00	1
		50	25	22.82	22.74	22.79	23.00	1
		50	50	22.85	22.73	22.71	23.00	1
		100	0	22.83	22.91	22.92	23.00	1
20	16-QAM	1	0	22.79	22.58	22.71	23.00	1
		1	50	22.66	22.66	22.78	23.00	1
		1	99	22.77	22.74	22.84	23.00	1
		50	0	21.79	21.73	21.80	22.00	2
		50	25	21.80	21.76	21.69	22.00	2
		50	50	21.76	21.73	21.78	22.00	2
		100	0	21.82	21.63	21.67	22.00	2
20	64-QAM	1	0	21.80	21.71	21.80	22.00	2
		1	50	21.66	21.62	21.77	22.00	2
		1	99	21.88	21.79	21.71	22.00	2
		50	0	20.83	20.65	20.74	21.00	3
		50	25	20.79	20.69	20.80	21.00	3
		50	50	20.76	20.66	20.80	21.00	3
		100	0	20.67	20.59	20.64	21.00	3

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LTE Band 4								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
Channel				20025	20175	20325		
15	QPSK	1	0	23.79	23.61	23.77	24.00	0
		1	36	23.69	23.64	23.81	24.00	0
		1	74	23.72	23.72	23.78	24.00	0
		36	0	22.67	22.72	22.87	23.00	1
		36	18	22.79	22.68	22.74	23.00	1
		36	37	22.81	22.60	22.75	23.00	1
		75	0	22.81	22.71	22.73	23.00	1
15	16-QAM	1	0	22.70	22.66	22.71	23.00	1
		1	36	22.74	22.56	22.76	23.00	1
		1	74	22.74	22.64	22.89	23.00	1
		36	0	21.69	21.73	21.71	22.00	2
		36	18	21.78	21.75	21.72	22.00	2
		36	37	21.88	21.65	21.77	22.00	2
		75	0	21.87	21.60	21.64	22.00	2
15	64-QAM	1	0	21.80	21.70	21.76	22.00	2
		1	36	21.81	21.75	21.68	22.00	2
		1	74	21.86	21.66	21.77	22.00	2
		36	0	20.80	20.67	20.68	21.00	3
		36	18	20.79	20.56	20.78	21.00	3
		36	37	20.67	20.68	20.79	21.00	3
		75	0	20.76	20.65	20.74	21.00	3

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LTE Band 4								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1715	1732.5	1750		
Channel				20000	20175	20350		
10	QPSK	1	0	23.88	23.64	23.77	24.00	0
		1	25	23.89	23.64	23.83	24.00	0
		1	49	23.80	23.65	23.76	24.00	0
		25	0	22.69	22.74	22.70	23.00	1
		25	12	22.82	22.67	22.84	23.00	1
		25	25	22.79	22.67	22.81	23.00	1
		50	0	22.73	22.63	22.74	23.00	1
10	16-QAM	1	0	22.73	22.77	22.65	23.00	1
		1	25	22.67	22.61	22.71	23.00	1
		1	49	22.78	22.73	22.76	23.00	1
		25	0	21.73	21.76	21.81	22.00	2
		25	12	21.92	21.61	21.80	22.00	2
		25	25	21.69	21.55	21.79	22.00	2
		50	0	21.78	21.60	21.74	22.00	2
10	64-QAM	1	0	21.79	21.71	21.66	22.00	2
		1	25	21.73	21.63	21.78	22.00	2
		1	49	21.79	21.69	21.74	22.00	2
		25	0	20.84	20.64	20.66	21.00	3
		25	12	20.85	20.78	20.67	21.00	3
		25	25	20.81	20.66	20.79	21.00	3
		50	0	20.82	20.70	20.85	21.00	3

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LTE Band 4								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
Channel				19975	20175	20375		
5	QPSK	1	0	23.75	23.68	23.70	24.00	0
		1	12	23.85	23.74	23.80	24.00	0
		1	24	23.75	23.78	23.81	24.00	0
		12	0	22.75	22.73	22.76	23.00	1
		12	6	22.76	22.73	22.82	23.00	1
		12	13	22.84	22.65	22.76	23.00	1
		25	0	22.79	22.72	22.78	23.00	1
5	16-QAM	1	0	22.84	22.79	22.87	23.00	1
		1	12	22.81	22.66	22.81	23.00	1
		1	24	22.87	22.54	22.67	23.00	1
		12	0	21.69	21.60	21.85	22.00	2
		12	6	21.74	21.78	21.83	22.00	2
		12	13	21.72	21.72	21.68	22.00	2
		25	0	21.73	21.71	21.75	22.00	2
5	64-QAM	1	0	21.64	21.56	21.90	22.00	2
		1	12	21.71	21.66	21.77	22.00	2
		1	24	21.80	21.62	21.72	22.00	2
		12	0	20.79	20.61	20.86	21.00	3
		12	6	20.78	20.57	20.71	21.00	3
		12	13	20.81	20.66	20.77	21.00	3
		25	0	20.87	20.62	20.82	21.00	3

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LTE Band 4								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
Channel				19965	20175	20385		
3	QPSK	1	0	23.73	23.61	23.72	24.00	0
		1	7	23.81	23.62	23.67	24.00	0
		1	14	23.77	23.77	23.72	24.00	0
		8	0	22.76	22.56	22.82	23.00	1
		8	4	22.83	22.53	22.71	23.00	1
		8	7	22.74	22.68	22.79	23.00	1
		15	0	22.84	22.57	22.77	23.00	1
3	16-QAM	1	0	22.73	22.66	22.74	23.00	1
		1	7	22.86	22.57	22.77	23.00	1
		1	14	22.68	22.56	22.78	23.00	1
		8	0	21.77	21.76	21.80	22.00	2
		8	4	21.83	21.60	21.73	22.00	2
		8	7	21.78	21.67	21.75	22.00	2
		15	0	21.65	21.72	21.81	22.00	2
3	64-QAM	1	0	21.75	21.54	21.69	22.00	2
		1	7	21.77	21.75	21.78	22.00	2
		1	14	21.73	21.61	21.77	22.00	2
		8	0	20.81	20.70	20.80	21.00	3
		8	4	20.75	20.66	20.68	21.00	3
		8	7	20.82	20.62	20.68	21.00	3
		15	0	20.79	20.69	20.69	21.00	3

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LTE Band 4								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
Channel				19957	20175	20393		
1.4	QPSK	1	0	23.74	23.67	23.81	24.00	0
		1	2	23.74	23.68	23.74	24.00	0
		1	5	23.75	23.67	23.72	24.00	0
		3	0	22.81	22.62	22.64	24.00	0
		3	2	22.72	22.68	22.73	24.00	0
		3	3	22.70	22.68	22.74	24.00	0
		6	0	22.76	22.53	22.73	23.00	1
1.4	16-QAM	1	0	22.90	22.62	22.85	23.00	1
		1	2	22.77	22.61	22.85	23.00	1
		1	5	22.79	22.68	22.80	23.00	1
		3	0	21.82	21.64	21.77	23.00	1
		3	2	21.72	21.65	21.77	23.00	1
		3	3	21.89	21.59	21.85	23.00	1
		6	0	21.75	21.62	21.75	22.00	2
1.4	64-QAM	1	0	21.69	21.78	21.79	22.00	2
		1	2	21.74	21.73	21.68	22.00	2
		1	5	21.88	21.69	21.76	22.00	2
		3	0	21.89	21.61	21.86	22.00	2
		3	2	21.83	21.69	21.68	22.00	2
		3	3	21.77	21.68	21.77	22.00	2
		6	0	20.85	20.69	20.72	21.00	3

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LTE Band 5								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				829	836.5	844		
Channel				20450	20525	20600		
10	QPSK	1	0	23.73	23.77	23.86	24.30	0
		1	25	23.65	23.72	23.66	24.30	0
		1	49	23.52	23.65	23.70	24.30	0
		25	0	22.62	22.65	22.76	23.30	1
		25	12	22.60	22.57	22.68	23.30	1
		25	25	22.47	22.47	22.60	23.30	1
		50	0	22.58	22.64	22.73	23.30	1
10	16-QAM	1	0	22.59	22.59	22.72	23.30	1
		1	25	22.68	22.49	22.77	23.30	1
		1	49	22.62	22.52	22.62	23.30	1
		25	0	21.59	21.55	21.71	22.30	2
		25	12	21.57	21.67	21.73	22.30	2
		25	25	21.58	21.56	21.64	22.30	2
		50	0	21.58	21.66	21.78	22.30	2
10	64-QAM	1	0	21.48	21.60	21.65	22.30	2
		1	25	21.61	21.59	21.74	22.30	2
		1	49	21.60	21.51	21.80	22.30	2
		25	0	20.56	20.60	20.64	21.30	3
		25	12	20.57	20.56	20.64	21.30	3
		25	25	20.63	20.71	20.62	21.30	3
		50	0	20.61	20.62	20.64	21.30	3

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LTE Band 5								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				826.5	836.5	846.5		
Channel				20425	20525	20625		
5	QPSK	1	0	23.52	23.52	23.60	24.30	0
		1	12	23.61	23.62	23.66	24.30	0
		1	24	23.60	23.56	23.70	24.30	0
		12	0	22.53	22.64	22.82	23.30	1
		12	6	22.51	22.56	22.72	23.30	1
		12	13	22.48	22.68	22.69	23.30	1
		25	0	22.59	22.53	22.68	23.30	1
5	16-QAM	1	0	22.57	22.60	22.60	23.30	1
		1	12	22.46	22.53	22.66	23.30	1
		1	24	22.58	22.60	22.66	23.30	1
		12	0	21.53	21.53	21.66	22.30	2
		12	6	21.56	21.66	21.61	22.30	2
		12	13	21.58	21.61	21.65	22.30	2
		25	0	21.55	21.51	21.60	22.30	2
5	64-QAM	1	0	21.51	21.65	21.74	22.30	2
		1	12	21.54	21.61	21.68	22.30	2
		1	24	21.63	21.60	21.71	22.30	2
		12	0	20.54	20.57	20.71	21.30	3
		12	6	20.48	20.53	20.68	21.30	3
		12	13	20.64	20.64	20.68	21.30	3
		25	0	20.59	20.57	20.67	21.30	3

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LTE Band 5								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				825.5	836.5	847.5		
Channel				20415	20525	20635		
3	QPSK	1	0	23.55	23.65	23.63	24.30	0
		1	7	23.49	23.62	23.70	24.30	0
		1	14	23.50	23.58	23.67	24.30	0
		8	0	22.47	22.67	22.67	23.30	1
		8	4	22.53	22.70	22.64	23.30	1
		8	7	22.51	22.63	22.59	23.30	1
		15	0	22.58	22.54	22.77	23.30	1
3	16-QAM	1	0	22.56	22.65	22.68	23.30	1
		1	7	22.70	22.60	22.59	23.30	1
		1	14	22.68	22.54	22.69	23.30	1
		8	0	21.51	21.69	21.60	22.30	2
		8	4	21.56	21.59	21.71	22.30	2
		8	7	21.57	21.66	21.66	22.30	2
		15	0	21.58	21.62	21.69	22.30	2
3	64-QAM	1	0	21.56	21.64	21.70	22.30	2
		1	7	21.59	21.68	21.69	22.30	2
		1	14	21.54	21.53	21.63	22.30	2
		8	0	20.58	20.63	20.72	21.30	3
		8	4	20.57	20.64	20.77	21.30	3
		8	7	20.59	20.58	20.65	21.30	3
		15	0	20.66	20.65	20.69	21.30	3

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LTE Band 5								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				824.7	836.5	848.3		
Channel				20407	20525	20643		
1.4	QPSK	1	0	23.61	23.68	23.72	24.30	0
		1	2	23.52	23.61	23.73	24.30	0
		1	5	23.63	23.63	23.67	24.30	0
		3	0	22.48	22.61	22.78	24.30	0
		3	2	22.60	22.61	22.68	24.30	0
		3	3	22.49	22.68	22.62	24.30	0
		6	0	22.59	22.67	22.67	23.30	1
1.4	16-QAM	1	0	22.52	22.60	22.74	23.30	1
		1	2	22.54	22.57	22.76	23.30	1
		1	5	22.52	22.52	22.72	23.30	1
		3	0	21.51	21.64	21.65	23.30	1
		3	2	21.51	21.55	21.71	23.30	1
		3	3	21.54	21.49	21.63	23.30	1
		6	0	21.57	21.60	21.67	22.30	2
1.4	64-QAM	1	0	21.61	21.68	21.69	22.30	2
		1	2	21.53	21.72	21.72	22.30	2
		1	5	21.47	21.58	21.66	22.30	2
		3	0	21.59	21.71	21.74	22.30	2
		3	2	21.45	21.64	21.77	22.30	2
		3	3	21.65	21.64	21.66	22.30	2
		6	0	20.61	20.53	20.67	21.30	3

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LTE Band 7								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2510	2535	2560		
Channel				20850	21100	21350		
20	QPSK	1	0	23.51	23.43	23.52	23.80	0
		1	50	23.41	23.24	23.47	23.80	0
		1	99	23.31	23.27	23.30	23.80	0
		50	0	22.33	22.39	22.45	22.80	1
		50	25	22.27	22.30	22.43	22.80	1
		50	50	22.29	22.35	22.42	22.80	1
		100	0	22.31	22.37	22.41	22.80	1
20	16-QAM	1	0	22.25	22.31	22.42	22.80	1
		1	50	22.27	22.24	22.38	22.80	1
		1	99	22.43	22.26	22.33	22.80	1
		50	0	21.42	21.20	21.25	21.80	2
		50	25	21.35	21.24	21.35	21.80	2
		50	50	21.31	21.21	21.47	21.80	2
		100	0	21.40	21.30	21.43	21.80	2
20	64-QAM	1	0	21.27	21.27	21.27	21.80	2
		1	50	21.36	21.27	21.39	21.80	2
		1	99	21.46	21.31	21.38	21.80	2
		50	0	20.37	20.39	20.30	20.80	3
		50	25	20.25	20.26	20.30	20.80	3
		50	50	20.34	20.31	20.32	20.80	3
		100	0	20.49	20.27	20.36	20.80	3

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LTE Band 7								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2507.5	2535	2562.5		
Channel				20825	21100	21375		
15	QPSK	1	0	23.41	23.32	23.41	23.80	0
		1	36	23.44	23.24	23.33	23.80	0
		1	74	23.32	23.27	23.45	23.80	0
		36	0	22.36	22.28	22.48	22.80	1
		36	18	22.34	22.18	22.43	22.80	1
		36	37	22.41	22.33	22.23	22.80	1
		75	0	22.33	22.26	22.36	22.80	1
15	16-QAM	1	0	22.29	22.29	22.49	22.80	1
		1	36	22.27	22.27	22.39	22.80	1
		1	74	22.40	22.28	22.32	22.80	1
		36	0	21.36	21.31	21.43	21.80	2
		36	18	21.26	21.17	21.34	21.80	2
		36	37	21.46	21.24	21.34	21.80	2
		75	0	21.35	21.25	21.47	21.80	2
15	64-QAM	1	0	21.39	21.24	21.48	21.80	2
		1	36	21.39	21.24	21.32	21.80	2
		1	74	21.23	21.26	21.37	21.80	2
		36	0	20.37	20.17	20.29	20.80	3
		36	18	20.32	20.24	20.36	20.80	3
		36	37	20.44	20.18	20.33	20.80	3
		75	0	20.39	20.31	20.29	20.80	3

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LTE Band 7								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2505	2535	2565		
Channel				20800	21100	21400		
10	QPSK	1	0	23.31	23.22	23.36	23.80	0
		1	25	23.35	23.29	23.35	23.80	0
		1	49	23.35	23.24	23.40	23.80	0
		25	0	22.33	22.26	22.27	22.80	1
		25	12	22.44	22.35	22.39	22.80	1
		25	25	22.44	22.26	22.27	22.80	1
		50	0	22.44	22.27	22.32	22.80	1
10	16-QAM	1	0	22.30	22.29	22.25	22.80	1
		1	25	22.33	22.31	22.37	22.80	1
		1	49	22.35	22.41	22.23	22.80	1
		25	0	21.33	21.22	21.35	21.80	2
		25	12	21.39	21.36	21.46	21.80	2
		25	25	21.35	21.37	21.42	21.80	2
		50	0	21.48	21.26	21.40	21.80	2
10	64-QAM	1	0	21.32	21.25	21.37	21.80	2
		1	25	21.34	21.28	21.45	21.80	2
		1	49	21.49	21.31	21.44	21.80	2
		25	0	20.27	20.30	20.26	20.80	3
		25	12	20.36	20.21	20.39	20.80	3
		25	25	20.40	20.21	20.26	20.80	3
		50	0	20.34	20.28	20.29	20.80	3

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LTE Band 7								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2502.5	2535	2567.5		
Channel				20775	21100	21425		
5	QPSK	1	0	23.34	23.17	23.41	23.80	0
		1	12	23.43	23.22	23.49	23.80	0
		1	24	23.28	23.16	23.34	23.80	0
		12	0	22.34	22.25	22.33	22.80	1
		12	6	22.29	22.31	22.33	22.80	1
		12	13	22.39	22.24	22.39	22.80	1
		25	0	22.40	22.21	22.39	22.80	1
5	16-QAM	1	0	22.31	22.27	22.34	22.80	1
		1	12	22.46	22.21	22.35	22.80	1
		1	24	22.25	22.23	22.25	22.80	1
		12	0	21.31	21.30	21.35	21.80	2
		12	6	21.33	21.27	21.41	21.80	2
		12	13	21.34	21.35	21.30	21.80	2
		25	0	21.43	21.28	21.43	21.80	2
5	64-QAM	1	0	21.37	21.29	21.45	21.80	2
		1	12	21.37	21.27	21.37	21.80	2
		1	24	21.35	21.28	21.33	21.80	2
		12	0	20.36	20.17	20.47	20.80	3
		12	6	20.43	20.26	20.39	20.80	3
		12	13	20.34	20.30	20.40	20.80	3
		25	0	20.42	20.27	20.29	20.80	3

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LTE Band 12								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				704	707.5	711		
Channel				23060	23095	23130		
10	QPSK	1	0	23.62	23.53	23.74	24.00	0
		1	25	23.52	23.30	23.46	24.00	0
		1	49	23.45	23.43	23.59	24.00	0
		25	0	22.62	22.51	22.63	23.00	1
		25	12	22.48	22.43	22.52	23.00	1
		25	25	22.44	22.34	22.59	23.00	1
		50	0	22.55	22.49	22.61	23.00	1
10	16-QAM	1	0	22.53	22.35	22.53	23.00	1
		1	25	22.42	22.33	22.59	23.00	1
		1	49	22.49	22.27	22.56	23.00	1
		25	0	21.50	21.35	21.63	22.00	2
		25	12	21.49	21.39	21.48	22.00	2
		25	25	21.47	21.31	21.63	22.00	2
		50	0	21.50	21.50	21.60	22.00	2
10	64-QAM	1	0	21.50	21.44	21.51	22.00	2
		1	25	21.50	21.44	21.50	22.00	2
		1	49	21.40	21.30	21.60	22.00	2
		25	0	20.37	20.38	20.67	21.00	3
		25	12	20.47	20.36	20.60	21.00	3
		25	25	20.43	20.42	20.49	21.00	3
		50	0	20.46	20.25	20.59	21.00	3

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LTE Band 12								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				701.5	707.5	713.5		
Channel				23035	23095	23155		
5	QPSK	1	0	23.45	23.40	23.64	24.00	0
		1	12	23.42	23.38	23.53	24.00	0
		1	24	23.41	23.34	23.71	24.00	0
		12	0	22.38	22.29	22.58	23.00	1
		12	6	22.44	22.43	22.64	23.00	1
		12	13	22.41	22.40	22.49	23.00	1
		25	0	22.56	22.31	22.64	23.00	1
5	16-QAM	1	0	22.58	22.32	22.63	23.00	1
		1	12	22.47	22.41	22.50	23.00	1
		1	24	22.49	22.29	22.69	23.00	1
		12	0	21.49	21.33	21.47	22.00	2
		12	6	21.41	21.45	21.58	22.00	2
		12	13	21.48	21.32	21.60	22.00	2
		25	0	21.45	21.38	21.55	22.00	2
5	64-QAM	1	0	21.43	21.51	21.61	22.00	2
		1	12	21.45	21.25	21.58	22.00	2
		1	24	21.37	21.37	21.65	22.00	2
		12	0	20.56	20.40	20.55	21.00	3
		12	6	20.43	20.37	20.50	21.00	3
		12	13	20.38	20.50	20.44	21.00	3
		25	0	20.37	20.36	20.66	21.00	3

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LTE Band 12								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				700.5	707.5	714.5		
Channel				23025	23095	23165		
3	QPSK	1	0	23.41	23.44	23.57	24.00	0
		1	7	23.53	23.29	23.55	24.00	0
		1	14	23.54	23.37	23.61	24.00	0
		8	0	22.35	22.46	22.55	23.00	1
		8	4	22.46	22.37	22.65	23.00	1
		8	7	22.51	22.49	22.64	23.00	1
		15	0	22.45	22.44	22.70	23.00	1
3	16-QAM	1	0	22.45	22.51	22.56	23.00	1
		1	7	22.46	22.46	22.63	23.00	1
		1	14	22.47	22.25	22.54	23.00	1
		8	0	21.58	21.37	21.59	22.00	2
		8	4	21.44	21.30	21.54	22.00	2
		8	7	21.37	21.44	21.49	22.00	2
		15	0	21.44	21.38	21.53	22.00	2
3	64-QAM	1	0	21.47	21.46	21.55	22.00	2
		1	7	21.38	21.33	21.60	22.00	2
		1	14	21.54	21.32	21.59	22.00	2
		8	0	20.58	20.43	20.57	21.00	3
		8	4	20.42	20.33	20.58	21.00	3
		8	7	20.44	20.30	20.65	21.00	3
		15	0	20.47	20.48	20.71	21.00	3

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LTE Band 12								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				699.7	707.5	715.3		
Channel				23017	23095	23173		
1.4	QPSK	1	0	23.53	23.32	23.65	24.00	0
		1	2	23.36	23.35	23.59	24.00	0
		1	5	23.48	23.35	23.56	24.00	0
		3	0	22.42	22.35	22.57	24.00	0
		3	2	22.57	22.25	22.48	24.00	0
		3	3	22.49	22.43	22.64	24.00	0
		6	0	22.47	22.46	22.60	23.00	1
1.4	16-QAM	1	0	22.51	22.27	22.67	23.00	1
		1	2	22.47	22.31	22.69	23.00	1
		1	5	22.52	22.32	22.59	23.00	1
		3	0	21.47	21.45	21.61	23.00	1
		3	2	21.46	21.33	21.52	23.00	1
		3	3	21.38	21.30	21.48	23.00	1
		6	0	21.41	21.29	21.63	22.00	2
1.4	64-QAM	1	0	21.45	21.39	21.59	22.00	2
		1	2	21.36	21.40	21.53	22.00	2
		1	5	21.51	21.25	21.64	22.00	2
		3	0	20.35	20.28	20.68	22.00	2
		3	2	20.40	20.36	20.57	22.00	2
		3	3	20.49	20.26	20.62	22.00	2
		6	0	20.40	20.50	20.65	21.00	3

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LTE Band 13						
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				782		
Channel				23230		
10	QPSK	1	0	23.71	24.00	0
		1	25	23.54	24.00	0
		1	49	23.53	24.00	0
		25	0	22.59	23.00	1
		25	12	22.49	23.00	1
		25	25	22.45	23.00	1
		50	0	22.49	23.00	1
10	16-QAM	1	0	22.55	23.00	1
		1	25	22.63	23.00	1
		1	49	22.54	23.00	1
		25	0	21.54	22.00	2
		25	12	21.45	22.00	2
		25	25	21.60	22.00	2
		50	0	21.67	22.00	2
10	64-QAM	1	0	21.62	22.00	2
		1	25	21.52	22.00	2
		1	49	21.51	22.00	2
		25	0	20.52	21.00	3
		25	12	20.49	21.00	3
		25	25	20.59	21.00	3
		50	0	20.47	21.00	3

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LTE Band 13								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				779.5	782	784.5		
Channel				23205	23230	23255		
5	QPSK	1	0	23.45	23.54	23.48	24.00	0
		1	12	23.38	23.53	23.48	24.00	0
		1	24	23.37	23.46	23.48	24.00	0
		12	0	22.33	22.52	22.54	23.00	1
		12	6	22.35	22.54	22.57	23.00	1
		12	13	22.38	22.47	22.63	23.00	1
		25	0	22.38	22.44	22.63	23.00	1
5	16-QAM	1	0	22.45	22.41	22.61	23.00	1
		1	12	22.40	22.55	22.45	23.00	1
		1	24	22.37	22.48	22.62	23.00	1
		12	0	21.54	21.54	21.51	22.00	2
		12	6	21.43	21.37	21.62	22.00	2
		12	13	21.37	21.48	21.56	22.00	2
		25	0	21.45	21.45	21.65	22.00	2
5	64-QAM	1	0	21.50	21.49	21.60	22.00	2
		1	12	21.48	21.35	21.62	22.00	2
		1	24	21.36	21.54	21.51	22.00	2
		12	0	20.34	20.46	20.64	21.00	3
		12	6	20.47	20.39	20.65	21.00	3
		12	13	20.53	20.41	20.61	21.00	3
		25	0	20.49	20.40	20.53	21.00	3

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LTE Band 14						
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				793		
Channel				23330		
10	QPSK	1	0	23.72	24.00	0
		1	25	23.51	24.00	0
		1	49	23.57	24.00	0
		25	0	22.73	23.00	1
		25	12	22.51	23.00	1
		25	25	22.64	23.00	1
		50	0	22.65	23.00	1
10	16-QAM	1	0	22.57	23.00	1
		1	25	22.61	23.00	1
		1	49	22.66	23.00	1
		25	0	21.55	22.00	2
		25	12	21.52	22.00	2
		25	25	21.53	22.00	2
		50	0	21.62	22.00	2
10	64-QAM	1	0	21.56	22.00	2
		1	25	21.51	22.00	2
		1	49	21.58	22.00	2
		25	0	20.70	21.00	3
		25	12	20.58	21.00	3
		25	25	20.62	21.00	3
		50	0	20.65	21.00	3

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LTE Band 14								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				790.5	793	795.5		
Channel				23305	23330	23355		
5	QPSK	1	0	23.58	23.54	23.54	24.00	0
		1	12	23.48	23.68	23.63	24.00	0
		1	24	23.46	23.45	23.55	24.00	0
		12	0	22.60	22.49	22.60	23.00	1
		12	6	22.65	22.63	22.67	23.00	1
		12	13	22.55	22.54	22.57	23.00	1
		25	0	22.61	22.54	22.53	23.00	1
5	16-QAM	1	0	22.59	22.65	22.58	23.00	1
		1	12	22.67	22.50	22.57	23.00	1
		1	24	22.62	22.57	22.50	23.00	1
		12	0	21.55	21.61	21.61	22.00	2
		12	6	21.56	21.49	21.50	22.00	2
		12	13	21.61	21.56	21.57	22.00	2
		25	0	21.60	21.55	21.57	22.00	2
5	64-QAM	1	0	21.53	21.58	21.43	22.00	2
		1	12	21.62	21.59	21.65	22.00	2
		1	24	21.58	21.43	21.57	22.00	2
		12	0	20.49	20.53	20.50	21.00	3
		12	6	20.56	20.56	20.65	21.00	3
		12	13	20.56	20.53	20.60	21.00	3
		25	0	20.60	20.70	20.49	21.00	3

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LTE Band 25								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1860	1882.5	1905		
Channel				26140	26365	26590		
20	QPSK	1	0	23.81	23.98	23.92	24.00	0
		1	50	23.60	23.76	23.81	24.00	0
		1	99	23.68	23.84	23.82	24.00	0
		50	0	22.84	22.91	22.96	23.00	1
		50	25	22.68	22.86	22.79	23.00	1
		50	50	22.60	22.74	22.85	23.00	1
		100	0	22.79	22.88	22.91	23.00	1
20	16-QAM	1	0	22.68	22.84	22.84	23.00	1
		1	50	22.76	22.88	22.69	23.00	1
		1	99	22.66	22.91	22.62	23.00	1
		50	0	21.71	21.81	21.76	22.00	2
		50	25	21.71	21.79	21.66	22.00	2
		50	50	21.64	21.80	21.78	22.00	2
		100	0	21.64	21.77	21.76	22.00	2
20	64-QAM	1	0	21.68	21.79	21.72	22.00	2
		1	50	21.51	21.84	21.71	22.00	2
		1	99	21.69	21.91	21.76	22.00	2
		50	0	20.67	20.94	20.68	21.00	3
		50	25	20.54	20.76	20.80	21.00	3
		50	50	20.68	20.80	20.77	21.00	3
		100	0	20.58	20.82	20.74	21.00	3

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LTE Band 25								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
Channel				26115	26365	26615		
15	QPSK	1	0	23.65	23.86	23.66	24.00	0
		1	36	23.61	23.85	23.74	24.00	0
		1	74	23.68	23.73	23.85	24.00	0
		36	0	22.66	22.88	22.66	23.00	1
		36	18	22.60	22.91	22.73	23.00	1
		36	37	22.69	22.79	22.72	23.00	1
		75	0	22.77	22.70	22.77	23.00	1
15	16-QAM	1	0	22.70	22.91	22.73	23.00	1
		1	36	22.65	22.80	22.73	23.00	1
		1	74	22.77	22.78	22.83	23.00	1
		36	0	21.61	21.86	21.88	22.00	2
		36	18	21.61	21.79	21.81	22.00	2
		36	37	21.67	21.80	21.77	22.00	2
		75	0	21.61	21.76	21.74	22.00	2
15	64-QAM	1	0	21.65	21.80	21.74	22.00	2
		1	36	21.73	21.77	21.71	22.00	2
		1	74	21.73	21.84	21.84	22.00	2
		36	0	20.57	20.74	20.76	21.00	3
		36	18	20.67	20.79	20.75	21.00	3
		36	37	20.57	20.75	20.80	21.00	3
		75	0	20.63	20.85	20.86	21.00	3

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LTE Band 25								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1855	1882.5	1910		
Channel				26090	26365	26640		
10	QPSK	1	0	23.67	23.71	23.70	24.00	0
		1	25	23.70	23.77	23.81	24.00	0
		1	49	23.68	23.81	23.80	24.00	0
		25	0	22.75	22.81	22.78	23.00	1
		25	12	22.70	22.76	22.77	23.00	1
		25	25	22.56	22.90	22.68	23.00	1
		50	0	22.57	22.81	22.70	23.00	1
10	16-QAM	1	0	22.65	22.86	22.78	23.00	1
		1	25	22.51	22.95	22.67	23.00	1
		1	49	22.62	22.70	22.78	23.00	1
		25	0	21.66	21.76	21.88	22.00	2
		25	12	21.69	21.75	21.72	22.00	2
		25	25	21.79	21.80	21.69	22.00	2
		50	0	21.63	21.76	21.75	22.00	2
10	64-QAM	1	0	21.51	21.94	21.76	22.00	2
		1	25	21.66	21.86	21.82	22.00	2
		1	49	21.65	21.87	21.78	22.00	2
		25	0	20.66	20.90	20.82	21.00	3
		25	12	20.65	20.85	20.85	21.00	3
		25	25	20.58	20.88	20.81	21.00	3
		50	0	20.76	20.75	20.76	21.00	3

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LTE Band 25								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
Channel				26065	26365	26665		
5	QPSK	1	0	23.74	23.72	23.71	24.00	0
		1	12	23.64	23.82	23.78	24.00	0
		1	24	23.66	23.85	23.84	24.00	0
		12	0	22.65	22.91	22.84	23.00	1
		12	6	22.58	22.86	22.70	23.00	1
		12	13	22.65	22.85	22.76	23.00	1
		25	0	22.61	22.70	22.85	23.00	1
5	16-QAM	1	0	22.75	22.87	22.83	23.00	1
		1	12	22.56	22.92	22.64	23.00	1
		1	24	22.68	22.73	22.67	23.00	1
		12	0	21.58	21.84	21.78	22.00	2
		12	6	21.68	21.76	21.70	22.00	2
		12	13	21.69	21.84	21.79	22.00	2
		25	0	21.64	21.78	21.66	22.00	2
5	64-QAM	1	0	21.75	21.79	21.75	22.00	2
		1	12	21.69	21.88	21.81	22.00	2
		1	24	21.65	21.81	21.77	22.00	2
		12	0	20.72	20.78	20.85	21.00	3
		12	6	20.57	20.88	20.80	21.00	3
		12	13	20.66	20.73	20.89	21.00	3
		25	0	20.70	20.84	20.76	21.00	3

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LTE Band 25								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1851.5	1882.5	1913.5		
Channel				26055	26365	26675		
3	QPSK	1	0	23.60	23.87	23.78	24.00	0
		1	7	23.74	23.94	23.86	24.00	0
		1	14	23.71	23.80	23.81	24.00	0
		8	0	22.56	22.83	22.87	23.00	1
		8	4	22.64	22.80	22.68	23.00	1
		8	7	22.62	22.82	22.69	23.00	1
		15	0	22.62	22.75	22.76	23.00	1
3	16-QAM	1	0	22.67	22.93	22.72	23.00	1
		1	7	22.69	22.88	22.75	23.00	1
		1	14	22.66	22.95	22.68	23.00	1
		8	0	21.66	21.85	21.75	22.00	2
		8	4	21.64	21.86	21.82	22.00	2
		8	7	21.75	21.78	21.79	22.00	2
		15	0	21.68	21.90	21.76	22.00	2
3	64-QAM	1	0	21.59	21.78	21.80	22.00	2
		1	7	21.65	21.79	21.68	22.00	2
		1	14	21.69	21.69	21.68	22.00	2
		8	0	20.72	20.81	20.71	21.00	3
		8	4	20.59	20.75	20.73	21.00	3
		8	7	20.69	20.90	20.76	21.00	3
		15	0	20.67	20.84	20.86	21.00	3

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LTE Band 25								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1850.7	1882.5	1914.3		
Channel				26047	26365	26683		
1.4	QPSK	1	0	23.68	23.87	23.69	24.00	0
		1	2	23.65	23.77	23.70	24.00	0
		1	5	23.55	23.84	23.73	24.00	0
		3	0	22.63	22.86	22.88	24.00	0
		3	2	22.67	22.73	22.72	24.00	0
		3	3	22.65	22.82	22.80	24.00	0
		6	0	22.68	22.76	22.78	23.00	1
1.4	16-QAM	1	0	22.64	22.81	22.76	23.00	1
		1	2	22.64	22.77	22.72	23.00	1
		1	5	22.62	22.90	22.69	23.00	1
		3	0	21.70	21.90	21.74	23.00	1
		3	2	21.66	21.76	21.68	23.00	1
		3	3	21.71	21.82	21.63	23.00	1
		6	0	21.61	21.91	21.75	22.00	2
1.4	64-QAM	1	0	21.60	21.85	21.73	22.00	2
		1	2	21.76	21.91	21.82	22.00	2
		1	5	21.58	21.80	21.78	22.00	2
		3	0	21.68	21.76	21.79	22.00	2
		3	2	21.67	21.72	21.68	22.00	2
		3	3	21.74	21.82	21.70	22.00	2
		6	0	20.71	20.88	20.78	21.00	3

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LTE Band 26_FCC								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				821.5	831.5	841.5		
Channel				26765	26865	26965		
15	QPSK	1	0	23.71	23.72	23.81	24.00	0
		1	36	23.51	23.59	23.54	24.00	0
		1	74	23.52	23.51	23.69	24.00	0
		36	0	22.65	22.66	22.74	23.00	1
		36	18	22.61	22.63	22.66	23.00	1
		36	37	22.52	22.53	22.73	23.00	1
		75	0	22.59	22.63	22.71	23.00	1
15	16-QAM	1	0	22.61	22.43	22.73	23.00	1
		1	36	22.45	22.61	22.66	23.00	1
		1	74	22.62	22.50	22.60	23.00	1
		36	0	21.58	21.60	21.68	22.00	2
		36	18	21.52	21.64	21.65	22.00	2
		36	37	21.66	21.47	21.57	22.00	2
		75	0	21.50	21.58	21.57	22.00	2
15	64-QAM	1	0	21.60	21.55	21.65	22.00	2
		1	36	21.52	21.55	21.66	22.00	2
		1	74	21.57	21.56	21.61	22.00	2
		36	0	20.69	20.63	20.58	21.00	3
		36	18	20.56	20.60	20.76	21.00	3
		36	37	20.51	20.49	20.63	21.00	3
		75	0	20.58	20.49	20.56	21.00	3

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LTE Band 26_FCC								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				819	831.5	844		
Channel				26740	26865	26990		
10	QPSK	1	0	23.53	23.50	23.75	24.00	0
		1	25	23.61	23.44	23.65	24.00	0
		1	49	23.54	23.55	23.62	24.00	0
		25	0	22.68	22.57	22.69	23.00	1
		25	12	22.59	22.49	22.67	23.00	1
		25	25	22.46	22.64	22.70	23.00	1
		50	0	22.63	22.58	22.75	23.00	1
10	16-QAM	1	0	22.64	22.46	22.58	23.00	1
		1	25	22.60	22.52	22.64	23.00	1
		1	49	22.68	22.51	22.67	23.00	1
		25	0	21.55	21.46	21.55	22.00	2
		25	12	21.45	21.43	21.57	22.00	2
		25	25	21.51	21.53	21.68	22.00	2
		50	0	21.53	21.47	21.69	22.00	2
10	64-QAM	1	0	21.59	21.62	21.71	22.00	2
		1	25	21.54	21.56	21.63	22.00	2
		1	49	21.58	21.67	21.62	22.00	2
		25	0	20.48	20.46	20.74	21.00	3
		25	12	20.49	20.61	20.67	21.00	3
		25	25	20.50	20.43	20.61	21.00	3
		50	0	20.47	20.55	20.69	21.00	3

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LTE Band 26_FCC								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				816.5	831.5	846.5		
Channel				26715	26865	27015		
5	QPSK	1	0	23.60	23.53	23.62	24.00	0
		1	12	23.66	23.58	23.65	24.00	0
		1	24	23.56	23.70	23.64	24.00	0
		12	0	22.52	22.47	22.65	23.00	1
		12	6	22.53	22.56	22.58	23.00	1
		12	13	22.63	22.56	22.70	23.00	1
		25	0	22.45	22.61	22.63	23.00	1
5	16-QAM	1	0	22.43	22.48	22.76	23.00	1
		1	12	22.50	22.61	22.75	23.00	1
		1	24	22.57	22.53	22.75	23.00	1
		12	0	21.49	21.43	21.63	22.00	2
		12	6	21.62	21.65	21.61	22.00	2
		12	13	21.42	21.65	21.63	22.00	2
		25	0	21.54	21.58	21.62	22.00	2
5	64-QAM	1	0	21.59	21.54	21.71	22.00	2
		1	12	21.66	21.49	21.69	22.00	2
		1	24	21.51	21.44	21.68	22.00	2
		12	0	20.57	20.57	20.57	21.00	3
		12	6	20.60	20.59	20.67	21.00	3
		12	13	20.68	20.54	20.74	21.00	3
		25	0	20.55	20.53	20.73	21.00	3

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LTE Band 26_FCC								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				815.5	831.5	847.5		
Channel				26705	26865	27025		
3	QPSK	1	0	23.66	23.64	23.76	24.00	0
		1	7	23.48	23.47	23.65	24.00	0
		1	14	23.63	23.55	23.65	24.00	0
		8	0	22.62	22.51	22.65	23.00	1
		8	4	22.44	22.51	22.59	23.00	1
		8	7	22.55	22.47	22.58	23.00	1
		15	0	22.65	22.61	22.61	23.00	1
3	16-QAM	1	0	22.52	22.54	22.70	23.00	1
		1	7	22.64	22.63	22.59	23.00	1
		1	14	22.58	22.61	22.56	23.00	1
		8	0	21.63	21.57	21.71	22.00	2
		8	4	21.56	21.65	21.60	22.00	2
		8	7	21.58	21.56	21.64	22.00	2
		15	0	21.43	21.56	21.78	22.00	2
3	64-QAM	1	0	21.51	21.51	21.65	22.00	2
		1	7	21.58	21.55	21.76	22.00	2
		1	14	21.45	21.51	21.59	22.00	2
		8	0	20.65	20.56	20.71	21.00	3
		8	4	20.54	20.56	20.76	21.00	3
		8	7	20.57	20.52	20.61	21.00	3
		15	0	20.67	20.52	20.76	21.00	3

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LTE Band 26_FCC								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				814.7	831.5	848.3		
Channel				26697	26865	27033		
1.4	QPSK	1	0	23.50	23.52	23.68	24.00	0
		1	2	23.62	23.65	23.66	24.00	0
		1	5	23.61	23.53	23.57	24.00	0
		3	0	22.53	22.48	22.64	24.00	0
		3	2	22.52	22.61	22.59	24.00	0
		3	3	22.46	22.48	22.55	24.00	0
		6	0	22.58	22.62	22.56	23.00	1
1.4	16-QAM	1	0	22.48	22.54	22.62	23.00	1
		1	2	22.58	22.67	22.64	23.00	1
		1	5	22.58	22.52	22.65	23.00	1
		3	0	21.51	21.55	21.72	23.00	1
		3	2	21.57	21.52	21.69	23.00	1
		3	3	21.46	21.61	21.59	23.00	1
		6	0	21.53	21.49	21.63	22.00	2
1.4	64-QAM	1	0	21.68	21.65	21.70	22.00	2
		1	2	21.55	21.42	21.65	22.00	2
		1	5	21.55	21.55	21.67	22.00	2
		3	0	21.55	21.59	21.64	22.00	2
		3	2	21.50	21.55	21.69	22.00	2
		3	3	21.61	21.57	21.55	22.00	2
		6	0	20.57	20.57	20.64	21.00	3

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LTE Band 66								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1720	1745	1770		
Channel				132072	132322	132572		
20	QPSK	1	0	23.51	23.72	23.64	24.00	0
		1	50	23.27	23.57	23.47	24.00	0
		1	99	23.35	23.49	23.46	24.00	0
		50	0	22.46	22.68	22.63	23.00	1
		50	25	22.36	22.46	22.39	23.00	1
		50	50	22.34	22.59	22.56	23.00	1
		100	0	22.42	22.53	22.56	23.00	1
20	16-QAM	1	0	22.36	22.62	22.60	23.00	1
		1	50	22.43	22.58	22.53	23.00	1
		1	99	22.38	22.44	22.41	23.00	1
		50	0	21.37	21.64	21.55	22.00	2
		50	25	21.36	21.49	21.46	22.00	2
		50	50	21.34	21.63	21.52	22.00	2
		100	0	21.43	21.51	21.49	22.00	2
20	64-QAM	1	0	21.23	21.54	21.40	22.00	2
		1	50	21.29	21.59	21.49	22.00	2
		1	99	21.41	21.51	21.49	22.00	2
		50	0	20.40	20.55	20.50	21.00	3
		50	25	20.42	20.60	20.48	21.00	3
		50	50	20.30	20.43	20.53	21.00	3
		100	0	20.41	20.66	20.49	21.00	3

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LTE Band 66								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1717.5	1745	1772.5		
Channel				132047	132322	132597		
15	QPSK	1	0	23.36	23.61	23.43	24.00	0
		1	36	23.38	23.54	23.47	24.00	0
		1	74	23.28	23.55	23.49	24.00	0
		36	0	22.27	22.44	22.51	23.00	1
		36	18	22.39	22.46	22.48	23.00	1
		36	37	22.33	22.54	22.49	23.00	1
		75	0	22.34	22.61	22.40	23.00	1
15	16-QAM	1	0	22.43	22.52	22.47	23.00	1
		1	36	22.29	22.52	22.50	23.00	1
		1	74	22.33	22.51	22.48	23.00	1
		36	0	21.23	21.64	21.60	22.00	2
		36	18	21.37	21.59	21.36	22.00	2
		36	37	21.29	21.58	21.48	22.00	2
		75	0	21.30	21.60	21.44	22.00	2
15	64-QAM	1	0	21.26	21.57	21.52	22.00	2
		1	36	21.30	21.47	21.48	22.00	2
		1	74	21.38	21.62	21.46	22.00	2
		36	0	20.37	20.60	20.49	21.00	3
		36	18	20.29	20.55	20.48	21.00	3
		36	37	20.27	20.64	20.55	21.00	3
		75	0	20.35	20.64	20.51	21.00	3

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LTE Band 66								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1715	1745	1775		
Channel				132022	132322	132622		
10	QPSK	1	0	23.46	23.63	23.49	24.00	0
		1	25	23.39	23.48	23.42	24.00	0
		1	49	23.39	23.53	23.54	24.00	0
		25	0	22.37	22.59	22.46	23.00	1
		25	12	22.35	22.47	22.40	23.00	1
		25	25	22.24	22.69	22.48	23.00	1
		50	0	22.30	22.45	22.43	23.00	1
10	16-QAM	1	0	22.47	22.58	22.46	23.00	1
		1	25	22.34	22.56	22.51	23.00	1
		1	49	22.34	22.50	22.38	23.00	1
		25	0	21.29	21.57	21.53	22.00	2
		25	12	21.45	21.48	21.50	22.00	2
		25	25	21.45	21.58	21.39	22.00	2
		50	0	21.31	21.54	21.57	22.00	2
10	64-QAM	1	0	21.25	21.63	21.48	22.00	2
		1	25	21.42	21.45	21.46	22.00	2
		1	49	21.29	21.63	21.56	22.00	2
		25	0	20.34	20.47	20.39	21.00	3
		25	12	20.32	20.43	20.47	21.00	3
		25	25	20.34	20.61	20.53	21.00	3
		50	0	20.40	20.62	20.50	21.00	3

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LTE Band 66								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1712.5	1745	1777.5		
Channel				131997	132322	132647		
5	QPSK	1	0	23.38	23.53	23.49	24.00	0
		1	12	23.33	23.47	23.54	24.00	0
		1	24	23.30	23.69	23.49	24.00	0
		12	0	22.43	22.49	22.42	23.00	1
		12	6	22.39	22.60	22.45	23.00	1
		12	13	22.33	22.55	22.55	23.00	1
		25	0	22.25	22.60	22.40	23.00	1
5	16-QAM	1	0	22.28	22.60	22.51	23.00	1
		1	12	22.35	22.51	22.54	23.00	1
		1	24	22.36	22.70	22.50	23.00	1
		12	0	21.40	21.46	21.48	22.00	2
		12	6	21.39	21.61	21.55	22.00	2
		12	13	21.40	21.47	21.47	22.00	2
		25	0	21.41	21.60	21.48	22.00	2
5	64-QAM	1	0	21.24	21.60	21.42	22.00	2
		1	12	21.36	21.64	21.48	22.00	2
		1	24	21.34	21.53	21.42	22.00	2
		12	0	20.28	20.56	20.53	21.00	3
		12	6	20.37	20.55	20.51	21.00	3
		12	13	20.32	20.57	20.47	21.00	3
		25	0	20.39	20.62	20.51	21.00	3

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LTE Band 66								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1711.5	1745	1778.5		
Channel				131987	132322	132657		
3	QPSK	1	0	23.28	23.56	23.36	24.00	0
		1	7	23.38	23.57	23.43	24.00	0
		1	14	23.39	23.55	23.48	24.00	0
		8	0	22.47	22.62	22.40	23.00	1
		8	4	22.31	22.58	22.45	23.00	1
		8	7	22.46	22.56	22.38	23.00	1
		15	0	22.23	22.59	22.50	23.00	1
3	16-QAM	1	0	22.37	22.59	22.44	23.00	1
		1	7	22.23	22.54	22.50	23.00	1
		1	14	22.39	22.52	22.50	23.00	1
		8	0	21.33	21.63	21.50	22.00	2
		8	4	21.36	21.67	21.48	22.00	2
		8	7	21.29	21.55	21.42	22.00	2
		15	0	21.25	21.50	21.48	22.00	2
3	64-QAM	1	0	21.34	21.56	21.42	22.00	2
		1	7	21.40	21.47	21.52	22.00	2
		1	14	21.35	21.53	21.45	22.00	2
		8	0	20.42	20.44	20.37	21.00	3
		8	4	20.36	20.64	20.43	21.00	3
		8	7	20.36	20.56	20.44	21.00	3
		15	0	20.42	20.61	20.43	21.00	3

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LTE Band 66								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1710.7	1745	1779.3		
Channel				131979	132322	132665		
1.4	QPSK	1	0	23.39	23.59	23.50	24.00	0
		1	2	23.43	23.47	23.57	24.00	0
		1	5	23.41	23.68	23.43	24.00	0
		3	0	22.31	22.67	22.48	24.00	0
		3	2	22.29	22.53	22.52	24.00	0
		3	3	22.29	22.59	22.51	24.00	0
		6	0	22.44	22.60	22.46	23.00	1
1.4	16-QAM	1	0	22.40	22.54	22.51	23.00	1
		1	2	22.34	22.53	22.54	23.00	1
		1	5	22.30	22.56	22.49	23.00	1
		3	0	21.35	21.53	21.50	23.00	1
		3	2	21.33	21.53	21.46	23.00	1
		3	3	21.34	21.52	21.55	23.00	1
		6	0	21.24	21.64	21.35	22.00	2
1.4	64-QAM	1	0	21.29	21.58	21.44	22.00	2
		1	2	21.41	21.52	21.49	22.00	2
		1	5	21.35	21.65	21.51	22.00	2
		3	0	21.34	21.55	21.42	22.00	2
		3	2	21.33	21.53	21.54	22.00	2
		3	3	21.38	21.58	21.53	22.00	2
		6	0	20.30	20.54	20.49	21.00	3

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LTE Band 71								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				673	680.5	688		
Channel				133222	133297	133372		
20	QPSK	1	0	23.84	23.79	23.78	24.00	0
		1	50	23.62	23.57	23.70	24.00	0
		1	99	23.72	23.61	23.61	24.00	0
		50	0	22.81	22.74	22.82	23.00	1
		50	25	22.66	22.59	22.56	23.00	1
		50	50	22.65	22.62	22.62	23.00	1
		100	0	22.78	22.72	22.75	23.00	1
20	16-QAM	1	0	22.59	22.69	22.63	23.00	1
		1	50	22.74	22.62	22.66	23.00	1
		1	99	22.70	22.69	22.52	23.00	1
		50	0	21.68	21.58	21.70	22.00	2
		50	25	21.76	21.76	21.61	22.00	2
		50	50	21.66	21.68	21.62	22.00	2
		100	0	21.58	21.68	21.69	22.00	2
20	64-QAM	1	0	21.82	21.69	21.55	22.00	2
		1	50	21.65	21.74	21.53	22.00	2
		1	99	21.58	21.68	21.68	22.00	2
		50	0	20.74	20.54	20.64	21.00	3
		50	25	20.75	20.71	20.66	21.00	3
		50	50	20.68	20.57	20.58	21.00	3
		100	0	20.77	20.64	20.60	21.00	3

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LTE Band 71								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				670.5	680.5	690.5		
Channel				133197	133297	133397		
15	QPSK	1	0	23.60	23.69	23.54	24.00	0
		1	36	23.67	23.70	23.54	24.00	0
		1	74	23.72	23.60	23.60	24.00	0
		36	0	22.67	22.62	22.76	23.00	1
		36	18	22.69	22.75	22.63	23.00	1
		36	37	22.72	22.69	22.59	23.00	1
		75	0	22.70	22.66	22.55	23.00	1
15	16-QAM	1	0	22.75	22.75	22.68	23.00	1
		1	36	22.70	22.64	22.67	23.00	1
		1	74	22.72	22.51	22.54	23.00	1
		36	0	21.66	21.71	21.71	22.00	2
		36	18	21.68	21.58	21.64	22.00	2
		36	37	21.67	21.66	21.55	22.00	2
		75	0	21.69	21.64	21.72	22.00	2
15	64-QAM	1	0	21.67	21.58	21.69	22.00	2
		1	36	21.61	21.69	21.57	22.00	2
		1	74	21.68	21.63	21.67	22.00	2
		36	0	20.62	20.61	20.56	21.00	3
		36	18	20.72	20.70	20.57	21.00	3
		36	37	20.70	20.73	20.58	21.00	3
		75	0	20.78	20.62	20.62	21.00	3

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LTE Band 71								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				668	680.5	693		
Channel				133172	133297	133422		
10	QPSK	1	0	23.66	23.62	23.57	24.00	0
		1	25	23.57	23.61	23.70	24.00	0
		1	49	23.72	23.51	23.62	24.00	0
		25	0	22.66	22.71	22.69	23.00	1
		25	12	22.58	22.61	22.56	23.00	1
		25	25	22.73	22.55	22.60	23.00	1
		50	0	22.81	22.59	22.56	23.00	1
10	16-QAM	1	0	22.68	22.50	22.56	23.00	1
		1	25	22.62	22.67	22.61	23.00	1
		1	49	22.67	22.66	22.72	23.00	1
		25	0	21.70	21.53	21.62	22.00	2
		25	12	21.71	21.54	21.59	22.00	2
		25	25	21.65	21.70	21.64	22.00	2
		50	0	21.74	21.61	21.65	22.00	2
10	64-QAM	1	0	21.58	21.65	21.64	22.00	2
		1	25	21.66	21.68	21.70	22.00	2
		1	49	21.64	21.70	21.59	22.00	2
		25	0	20.79	20.68	20.63	21.00	3
		25	12	20.67	20.61	20.72	21.00	3
		25	25	20.78	20.62	20.75	21.00	3
		50	0	20.66	20.58	20.53	21.00	3

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LTE Band 71								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				665.5	680.5	695.5		
Channel				133147	133297	133447		
5	QPSK	1	0	23.69	23.65	23.54	24.00	0
		1	12	23.70	23.65	23.62	24.00	0
		1	24	23.67	23.54	23.63	24.00	0
		12	0	22.65	22.57	22.68	23.00	1
		12	6	22.68	22.67	22.64	23.00	1
		12	13	22.75	22.61	22.59	23.00	1
		25	0	22.64	22.71	22.54	23.00	1
5	16-QAM	1	0	22.63	22.64	22.68	23.00	1
		1	12	22.81	22.52	22.71	23.00	1
		1	24	22.72	22.63	22.68	23.00	1
		12	0	21.81	21.62	21.59	22.00	2
		12	6	21.62	21.51	21.69	22.00	2
		12	13	21.64	21.65	21.62	22.00	2
		25	0	21.77	21.65	21.56	22.00	2
5	64-QAM	1	0	21.64	21.66	21.66	22.00	2
		1	12	21.63	21.60	21.64	22.00	2
		1	24	21.62	21.64	21.68	22.00	2
		12	0	20.70	20.72	20.65	21.00	3
		12	6	20.60	20.65	20.65	21.00	3
		12	13	20.75	20.57	20.53	21.00	3
		25	0	20.75	20.60	20.67	21.00	3

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6.3 TDD LTE

Down Power

LTE Band 41										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
Channel				39750	40185	40620	41055	41490		
20	QPSK	1	0	19.81	19.79	19.82	19.76	19.84	20.00	0
		1	50	19.68	19.63	19.67	19.68	19.74	20.00	0
		1	99	19.55	19.70	19.69	19.49	19.55	20.00	0
		50	0	19.64	19.63	19.76	19.66	19.71	20.00	0
		50	25	19.63	19.58	19.64	19.60	19.68	20.00	0
		50	50	19.62	19.53	19.65	19.55	19.63	20.00	0
		100	0	19.72	19.67	19.75	19.73	19.76	20.00	0
20	16-QAM	1	0	19.63	19.67	19.78	19.59	19.75	20.00	0
		1	50	19.58	19.53	19.75	19.56	19.69	20.00	0
		1	99	19.66	19.57	19.60	19.58	19.64	20.00	0
		50	0	19.68	19.64	19.67	19.54	19.80	20.00	0
		50	25	19.72	19.68	19.69	19.57	19.78	20.00	0
		50	50	19.75	19.67	19.74	19.59	19.68	20.00	0
		100	0	19.70	19.63	19.55	19.62	19.61	20.00	0
20	64-QAM	1	0	19.73	19.54	19.60	19.65	19.69	20.00	0
		1	50	19.64	19.59	19.68	19.60	19.62	20.00	0
		1	99	19.59	19.57	19.57	19.61	19.69	20.00	0
		50	0	19.68	19.59	19.62	19.63	19.79	20.00	0
		50	25	19.74	19.55	19.64	19.56	19.71	20.00	0
		50	50	19.66	19.57	19.76	19.56	19.70	20.00	0
		100	0	19.77	19.61	19.64	19.57	19.64	20.00	0

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LTE Band 41										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
Channel				39725	40173	40620	41068	41515		
15	QPSK	1	0	19.69	19.50	19.78	19.71	19.62	20.00	0
		1	36	19.75	19.66	19.70	19.61	19.58	20.00	0
		1	74	19.63	19.75	19.67	19.64	19.69	20.00	0
		36	0	19.71	19.57	19.77	19.64	19.69	20.00	0
		36	18	19.66	19.66	19.60	19.57	19.68	20.00	0
		36	37	19.73	19.60	19.71	19.60	19.55	20.00	0
		75	0	19.77	19.69	19.67	19.47	19.66	20.00	0
15	16-QAM	1	0	19.65	19.76	19.63	19.69	19.74	20.00	0
		1	36	19.65	19.73	19.64	19.47	19.56	20.00	0
		1	74	19.58	19.64	19.78	19.52	19.73	20.00	0
		36	0	19.63	19.70	19.59	19.57	19.79	20.00	0
		36	18	19.59	19.61	19.70	19.59	19.77	20.00	0
		36	37	19.60	19.58	19.68	19.62	19.67	20.00	0
		75	0	19.57	19.69	19.66	19.71	19.79	20.00	0
15	64-QAM	1	0	19.62	19.65	19.60	19.56	19.54	20.00	0
		1	36	19.64	19.68	19.57	19.53	19.68	20.00	0
		1	74	19.70	19.61	19.72	19.60	19.68	20.00	0
		36	0	19.62	19.64	19.63	19.63	19.59	20.00	0
		36	18	19.63	19.65	19.64	19.55	19.68	20.00	0
		36	37	19.65	19.58	19.58	19.68	19.59	20.00	0
		75	0	19.69	19.60	19.64	19.65	19.58	20.00	0

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LTE Band 41										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
Channel				39700	40160	40620	41080	41540		
10	QPSK	1	0	19.66	19.63	19.72	19.54	19.75	20.00	0
		1	25	19.64	19.52	19.69	19.57	19.71	20.00	0
		1	49	19.61	19.56	19.55	19.61	19.68	20.00	0
		25	0	19.63	19.68	19.72	19.71	19.73	20.00	0
		25	12	19.70	19.69	19.55	19.63	19.74	20.00	0
		25	25	19.63	19.66	19.62	19.69	19.68	20.00	0
		50	0	19.63	19.72	19.70	19.52	19.66	20.00	0
10	16-QAM	1	0	19.60	19.69	19.65	19.73	19.63	20.00	0
		1	25	19.78	19.63	19.61	19.59	19.70	20.00	0
		1	49	19.62	19.58	19.54	19.51	19.73	20.00	0
		25	0	19.59	19.69	19.62	19.57	19.58	20.00	0
		25	12	19.70	19.68	19.58	19.51	19.80	20.00	0
		25	25	19.75	19.73	19.67	19.56	19.79	20.00	0
		50	0	19.76	19.65	19.63	19.55	19.78	20.00	0
10	64-QAM	1	0	19.51	19.63	19.71	19.65	19.81	20.00	0
		1	25	19.73	19.69	19.55	19.58	19.65	20.00	0
		1	49	19.60	19.62	19.70	19.64	19.58	20.00	0
		25	0	19.65	19.67	19.62	19.67	19.60	20.00	0
		25	12	19.59	19.57	19.57	19.65	19.66	20.00	0
		25	25	19.54	19.73	19.74	19.50	19.65	20.00	0
		50	0	19.57	19.63	19.62	19.53	19.75	20.00	0

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LTE Band 41										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5		
Channel				39675	40148	40620	41093	41565		
5	QPSK	1	0	19.64	19.52	19.64	19.59	19.62	20.00	0
		1	12	19.66	19.61	19.71	19.50	19.63	20.00	0
		1	24	19.53	19.65	19.58	19.64	19.61	20.00	0
		12	0	19.68	19.67	19.55	19.58	19.72	20.00	0
		12	6	19.72	19.58	19.64	19.59	19.61	20.00	0
		12	13	19.62	19.57	19.63	19.53	19.73	20.00	0
		25	0	19.59	19.56	19.71	19.63	19.67	20.00	0
5	16-QAM	1	0	19.60	19.62	19.71	19.67	19.72	20.00	0
		1	12	19.70	19.73	19.78	19.68	19.64	20.00	0
		1	24	19.72	19.63	19.68	19.57	19.62	20.00	0
		12	0	19.75	19.62	19.71	19.55	19.70	20.00	0
		12	6	19.66	19.65	19.67	19.55	19.65	20.00	0
		12	13	19.63	19.69	19.73	19.61	19.63	20.00	0
		25	0	19.68	19.56	19.63	19.55	19.69	20.00	0
5	64-QAM	1	0	19.53	19.52	19.67	19.58	19.78	20.00	0
		1	12	19.59	19.58	19.66	19.64	19.70	20.00	0
		1	24	19.54	19.62	19.59	19.51	19.67	20.00	0
		12	0	19.73	19.65	19.73	19.61	19.76	20.00	0
		12	6	19.73	19.65	19.60	19.71	19.74	20.00	0
		12	13	19.67	19.75	19.63	19.67	19.79	20.00	0
		25	0	19.59	19.61	19.69	19.62	19.67	20.00	0

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LTE Band 43								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3610	3700	3790		
Channel				43690	44590	45490		
20	QPSK	1	0	20.71	20.76	20.78	21.00	0
		1	50	20.47	20.65	20.70	21.00	0
		1	99	20.63	20.52	20.71	21.00	0
		50	0	20.66	20.62	20.68	21.00	0
		50	25	20.52	20.61	20.63	21.00	0
		50	50	20.60	20.58	20.62	21.00	0
		100	0	20.69	20.52	20.53	21.00	0
20	16-QAM	1	0	20.53	20.67	20.58	21.00	0
		1	50	20.58	20.57	20.61	21.00	0
		1	99	20.61	20.64	20.59	21.00	0
		50	0	20.47	20.65	20.66	21.00	0
		50	25	20.62	20.59	20.56	21.00	0
		50	50	20.50	20.59	20.53	21.00	0
		100	0	20.60	20.68	20.63	21.00	0
20	64-QAM	1	0	20.47	20.49	20.65	21.00	0
		1	50	20.44	20.62	20.68	21.00	0
		1	99	20.63	20.67	20.64	21.00	0
		50	0	20.56	20.57	20.58	21.00	0
		50	25	20.50	20.56	20.54	21.00	0
		50	50	20.54	20.66	20.65	21.00	0
		100	0	20.51	20.55	20.65	21.00	0

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LTE Band 43								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3607.5	3700	3792.5		
Channel				43665	44590	45515		
15	QPSK	1	0	20.51	20.56	20.61	21.00	0
		1	36	20.48	20.55	20.72	21.00	0
		1	74	20.52	20.53	20.56	21.00	0
		36	0	20.53	20.51	20.63	21.00	0
		36	18	20.48	20.64	20.50	21.00	0
		36	37	20.59	20.46	20.62	21.00	0
		75	0	20.52	20.53	20.62	21.00	0
15	16-QAM	1	0	20.53	20.56	20.60	21.00	0
		1	36	20.52	20.58	20.56	21.00	0
		1	74	20.64	20.69	20.61	21.00	0
		36	0	20.53	20.59	20.49	21.00	0
		36	18	20.61	20.62	20.64	21.00	0
		36	37	20.57	20.55	20.51	21.00	0
		75	0	20.64	20.59	20.56	21.00	0
15	64-QAM	1	0	20.42	20.73	20.72	21.00	0
		1	36	20.58	20.56	20.68	21.00	0
		1	74	20.57	20.69	20.65	21.00	0
		36	0	20.67	20.62	20.57	21.00	0
		36	18	20.62	20.60	20.52	21.00	0
		36	37	20.61	20.65	20.70	21.00	0
		75	0	20.56	20.65	20.58	21.00	0

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LTE Band 43								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3605	3700	3795		
Channel				43640	44590	45540		
10	QPSK	1	0	20.57	20.52	20.58	21.00	0
		1	25	20.53	20.65	20.70	21.00	0
		1	49	20.63	20.52	20.58	21.00	0
		25	0	20.45	20.56	20.59	21.00	0
		25	12	20.48	20.65	20.67	21.00	0
		25	25	20.42	20.53	20.53	21.00	0
		50	0	20.47	20.56	20.60	21.00	0
10	16-QAM	1	0	20.43	20.60	20.56	21.00	0
		1	25	20.48	20.53	20.63	21.00	0
		1	49	20.62	20.48	20.73	21.00	0
		25	0	20.56	20.61	20.53	21.00	0
		25	12	20.52	20.54	20.66	21.00	0
		25	25	20.47	20.66	20.68	21.00	0
		50	0	20.53	20.59	20.60	21.00	0
10	64-QAM	1	0	20.62	20.66	20.53	21.00	0
		1	25	20.47	20.56	20.54	21.00	0
		1	49	20.45	20.47	20.62	21.00	0
		25	0	20.54	20.69	20.64	21.00	0
		25	12	20.52	20.72	20.61	21.00	0
		25	25	20.60	20.49	20.74	21.00	0
		50	0	20.49	20.69	20.62	21.00	0

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LTE Band 43								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3602.5	3700	3797.5		
Channel				43615	44590	45565		
5	QPSK	1	0	20.52	20.46	20.71	21.00	0
		1	12	20.54	20.51	20.59	21.00	0
		1	24	20.53	20.49	20.49	21.00	0
		12	0	20.48	20.49	20.60	21.00	0
		12	6	20.61	20.68	20.57	21.00	0
		12	13	20.48	20.66	20.70	21.00	0
		25	0	20.50	20.58	20.59	21.00	0
5	16-QAM	1	0	20.49	20.60	20.49	21.00	0
		1	12	20.52	20.56	20.56	21.00	0
		1	24	20.59	20.74	20.64	21.00	0
		12	0	20.58	20.52	20.59	21.00	0
		12	6	20.55	20.64	20.59	21.00	0
		12	13	20.58	20.63	20.62	21.00	0
		25	0	20.56	20.59	20.63	21.00	0
5	64-QAM	1	0	20.57	20.62	20.57	21.00	0
		1	12	20.55	20.49	20.67	21.00	0
		1	24	20.46	20.65	20.56	21.00	0
		12	0	20.55	20.52	20.49	21.00	0
		12	6	20.65	20.49	20.52	21.00	0
		12	13	20.49	20.50	20.66	21.00	0
		25	0	20.49	20.58	20.63	21.00	0

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LTE Band 48									
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)				Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3560	3609	3641	3690		
Channel				55340	55830	56150	56640		
20	QPSK	1	0	21.65	21.71	21.80	21.74	22.00	0
		1	50	21.49	21.68	21.66	21.68	22.00	0
		1	99	21.58	21.44	21.64	21.56	22.00	0
		50	0	21.55	21.49	21.67	21.61	22.00	0
		50	25	21.52	21.46	21.64	21.59	22.00	0
		50	50	21.53	21.48	21.62	21.54	22.00	0
		100	0	21.46	21.52	21.64	21.50	22.00	0
20	16-QAM	1	0	21.55	21.50	21.70	21.63	22.00	0
		1	50	21.47	21.65	21.73	21.58	22.00	0
		1	99	21.42	21.50	21.61	21.64	22.00	0
		50	0	21.46	21.53	21.66	21.58	22.00	0
		50	25	21.47	21.47	21.66	21.54	22.00	0
		50	50	21.43	21.61	21.61	21.66	22.00	0
		100	0	21.49	21.49	21.77	21.60	22.00	0
20	64-QAM	1	0	21.53	21.54	21.73	21.71	22.00	0
		1	50	21.40	21.52	21.74	21.46	22.00	0
		1	99	21.40	21.62	21.67	21.65	22.00	0
		50	0	21.52	21.52	21.73	21.61	22.00	0
		50	25	21.47	21.64	21.75	21.67	22.00	0
		50	50	21.46	21.56	21.56	21.62	22.00	0
		100	0	21.49	21.56	21.67	21.52	22.00	0

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LTE Band 48									
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)				Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3557.5	3608	3642	3692.5		
Channel				55315	55820	56160	56665		
15	QPSK	1	0	21.36	21.58	21.54	21.61	22.00	0
		1	36	21.46	21.53	21.64	21.59	22.00	0
		1	74	21.46	21.55	21.65	21.51	22.00	0
		36	0	21.47	21.60	21.60	21.67	22.00	0
		36	18	21.50	21.58	21.65	21.69	22.00	0
		36	37	21.39	21.54	21.58	21.62	22.00	0
		75	0	21.57	21.51	21.74	21.46	22.00	0
15	16-QAM	1	0	21.49	21.49	21.66	21.62	22.00	0
		1	36	21.45	21.41	21.53	21.48	22.00	0
		1	74	21.48	21.54	21.62	21.63	22.00	0
		36	0	21.57	21.59	21.59	21.58	22.00	0
		36	18	21.43	21.54	21.63	21.65	22.00	0
		36	37	21.49	21.56	21.71	21.60	22.00	0
		75	0	21.51	21.50	21.66	21.56	22.00	0
15	64-QAM	1	0	21.51	21.45	21.66	21.62	22.00	0
		1	36	21.56	21.62	21.72	21.67	22.00	0
		1	74	21.56	21.54	21.65	21.56	22.00	0
		36	0	21.49	21.55	21.71	21.65	22.00	0
		36	18	21.61	21.69	21.73	21.52	22.00	0
		36	37	21.55	21.67	21.67	21.45	22.00	0
		75	0	21.49	21.67	21.69	21.50	22.00	0

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LTE Band 48									
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)				Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3555	3607.5	3642.5	3695		
Channel				55290	55815	56165	56690		
10	QPSK	1	0	21.36	21.46	21.70	21.64	22.00	0
		1	25	21.47	21.64	21.59	21.45	22.00	0
		1	49	21.55	21.64	21.76	21.50	22.00	0
		25	0	21.47	21.59	21.59	21.61	22.00	0
		25	12	21.42	21.54	21.62	21.54	22.00	0
		25	25	21.58	21.56	21.68	21.66	22.00	0
		50	0	21.50	21.59	21.73	21.59	22.00	0
10	16-QAM	1	0	21.49	21.49	21.62	21.64	22.00	0
		1	25	21.43	21.54	21.78	21.62	22.00	0
		1	49	21.49	21.53	21.61	21.57	22.00	0
		25	0	21.51	21.62	21.63	21.56	22.00	0
		25	12	21.58	21.55	21.66	21.53	22.00	0
		25	25	21.50	21.68	21.70	21.49	22.00	0
		50	0	21.46	21.55	21.63	21.45	22.00	0
10	64-QAM	1	0	21.54	21.51	21.62	21.65	22.00	0
		1	25	21.55	21.60	21.61	21.52	22.00	0
		1	49	21.50	21.47	21.65	21.48	22.00	0
		25	0	21.42	21.56	21.61	21.59	22.00	0
		25	12	21.51	21.55	21.57	21.55	22.00	0
		25	25	21.51	21.56	21.68	21.58	22.00	0
		50	0	21.54	21.56	21.64	21.60	22.00	0

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LTE Band 48									
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)				Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3552.5	3607	3643	3697.5		
Channel				55265	55810	56170	56715		
5	QPSK	1	0	21.37	21.60	21.53	21.50	22.00	0
		1	12	21.41	21.45	21.63	21.50	22.00	0
		1	24	21.47	21.66	21.74	21.55	22.00	0
		12	0	21.57	21.48	21.54	21.57	22.00	0
		12	6	21.35	21.67	21.53	21.59	22.00	0
		12	13	21.41	21.43	21.69	21.67	22.00	0
		25	0	21.58	21.51	21.63	21.71	22.00	0
5	16-QAM	1	0	21.55	21.54	21.68	21.70	22.00	0
		1	12	21.53	21.58	21.64	21.54	22.00	0
		1	24	21.41	21.51	21.64	21.68	22.00	0
		12	0	21.49	21.45	21.71	21.54	22.00	0
		12	6	21.43	21.54	21.63	21.55	22.00	0
		12	13	21.57	21.61	21.66	21.51	22.00	0
		25	0	21.56	21.50	21.62	21.64	22.00	0
5	64-QAM	1	0	21.53	21.49	21.54	21.55	22.00	0
		1	12	21.41	21.61	21.59	21.57	22.00	0
		1	24	21.42	21.56	21.52	21.64	22.00	0
		12	0	21.59	21.51	21.70	21.61	22.00	0
		12	6	21.41	21.67	21.63	21.53	22.00	0
		12	13	21.60	21.54	21.70	21.55	22.00	0
		25	0	21.58	21.50	21.72	21.62	22.00	0

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Full Power

LTE Band 41										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
Channel				39750	40185	40620	41055	41490		
20	QPSK	1	0	23.52	23.64	23.61	23.59	23.53	23.80	0
		1	50	23.32	23.53	23.47	23.29	23.33	23.80	0
		1	99	23.37	23.39	23.42	23.49	23.27	23.80	0
		50	0	22.43	22.66	22.54	22.55	22.51	22.80	1
		50	25	22.34	22.52	22.40	22.40	22.45	22.80	1
		50	50	22.28	22.48	22.44	22.43	22.35	22.80	1
		100	0	22.47	22.55	22.48	22.52	22.49	22.80	1
20	16-QAM	1	0	22.34	22.47	22.53	22.42	22.51	22.80	1
		1	50	22.33	22.45	22.43	22.30	22.42	22.80	1
		1	99	22.38	22.51	22.46	22.46	22.31	22.80	1
		50	0	21.43	21.47	21.53	21.33	21.30	21.80	2
		50	25	21.33	21.58	21.48	21.41	21.34	21.80	2
		50	50	21.36	21.52	21.52	21.46	21.26	21.80	2
		100	0	21.37	21.55	21.56	21.55	21.37	21.80	2
20	64-QAM	1	0	21.32	21.51	21.58	21.51	21.30	21.80	2
		1	50	21.34	21.50	21.42	21.39	21.34	21.80	2
		1	99	21.37	21.45	21.56	21.45	21.35	21.80	2
		50	0	20.39	20.49	20.52	20.35	20.38	20.80	3
		50	25	20.36	20.38	20.47	20.32	20.39	20.80	3
		50	50	20.40	20.47	20.39	20.39	20.35	20.80	3
		100	0	20.40	20.55	20.36	20.44	20.43	20.80	3

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LTE Band 41										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
Channel				39725	40173	40620	41068	41515		
15	QPSK	1	0	23.26	23.44	23.40	23.44	23.36	23.80	0
		1	36	23.36	23.48	23.49	23.37	23.23	23.80	0
		1	74	23.40	23.47	23.50	23.47	23.34	23.80	0
		36	0	22.40	22.54	22.40	22.39	22.34	22.80	1
		36	18	22.39	22.47	22.45	22.41	22.39	22.80	1
		36	37	22.45	22.44	22.42	22.47	22.36	22.80	1
		75	0	22.38	22.41	22.37	22.38	22.41	22.80	1
15	16-QAM	1	0	22.28	22.34	22.37	22.50	22.42	22.80	1
		1	36	22.35	22.52	22.53	22.48	22.36	22.80	1
		1	74	22.42	22.57	22.38	22.40	22.36	22.80	1
		36	0	21.46	21.45	21.42	21.45	21.35	21.80	2
		36	18	21.41	21.39	21.39	21.42	21.38	21.80	2
		36	37	21.48	21.50	21.46	21.36	21.41	21.80	2
		75	0	21.30	21.59	21.36	21.30	21.32	21.80	2
15	64-QAM	1	0	21.33	21.48	21.51	21.31	21.25	21.80	2
		1	36	21.35	21.49	21.50	21.44	21.36	21.80	2
		1	74	21.26	21.53	21.43	21.35	21.40	21.80	2
		36	0	20.35	20.47	20.45	20.42	20.36	20.80	3
		36	18	20.37	20.47	20.46	20.41	20.36	20.80	3
		36	37	20.25	20.49	20.40	20.37	20.32	20.80	3
		75	0	20.35	20.58	20.45	20.44	20.25	20.80	3

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LTE Band 41										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
Channel				39700	40160	40620	41080	41540		
10	QPSK	1	0	23.40	23.41	23.43	23.42	23.43	23.80	0
		1	25	23.33	23.43	23.38	23.46	23.46	23.80	0
		1	49	23.33	23.49	23.34	23.43	23.24	23.80	0
		25	0	22.49	22.40	22.43	22.42	22.32	22.80	1
		25	12	22.36	22.55	22.45	22.37	22.47	22.80	1
		25	25	22.41	22.53	22.35	22.40	22.35	22.80	1
		50	0	22.40	22.48	22.40	22.40	22.38	22.80	1
10	16-QAM	1	0	22.44	22.45	22.50	22.38	22.38	22.80	1
		1	25	22.39	22.48	22.49	22.43	22.43	22.80	1
		1	49	22.34	22.35	22.46	22.54	22.29	22.80	1
		25	0	21.46	21.54	21.50	21.44	21.40	21.80	2
		25	12	21.46	21.57	21.43	21.36	21.38	21.80	2
		25	25	21.37	21.55	21.37	21.43	21.42	21.80	2
		50	0	21.46	21.44	21.39	21.46	21.49	21.80	2
10	64-QAM	1	0	21.31	21.46	21.41	21.34	21.39	21.80	2
		1	25	21.42	21.40	21.54	21.42	21.42	21.80	2
		1	49	21.30	21.42	21.44	21.36	21.39	21.80	2
		25	0	20.26	20.48	20.51	20.43	20.32	20.80	3
		25	12	20.33	20.56	20.42	20.48	20.49	20.80	3
		25	25	20.44	20.54	20.38	20.51	20.43	20.80	3
		50	0	20.39	20.55	20.50	20.37	20.29	20.80	3

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LTE Band 41										
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)					Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5		
Channel				39675	40148	40620	41093	41565		
5	QPSK	1	0	23.35	23.50	23.55	23.35	23.40	23.80	0
		1	12	23.36	23.46	23.46	23.44	23.37	23.80	0
		1	24	23.38	23.41	23.39	23.33	23.34	23.80	0
		12	0	22.32	22.59	22.36	22.42	22.46	22.80	1
		12	6	22.46	22.49	22.50	22.42	22.36	22.80	1
		12	13	22.31	22.50	22.45	22.45	22.44	22.80	1
		25	0	22.34	22.38	22.54	22.43	22.36	22.80	1
5	16-QAM	1	0	22.37	22.54	22.53	22.52	22.39	22.80	1
		1	12	22.30	22.52	22.46	22.52	22.49	22.80	1
		1	24	22.33	22.43	22.35	22.44	22.39	22.80	1
		12	0	21.35	21.39	21.49	21.51	21.34	21.80	2
		12	6	21.30	21.39	21.42	21.32	21.39	21.80	2
		12	13	21.40	21.53	21.48	21.51	21.32	21.80	2
		25	0	21.33	21.37	21.56	21.31	21.34	21.80	2
5	64-QAM	1	0	21.27	21.43	21.41	21.45	21.45	21.80	2
		1	12	21.34	21.49	21.53	21.51	21.42	21.80	2
		1	24	21.29	21.50	21.42	21.56	21.26	21.80	2
		12	0	20.31	20.56	20.39	20.42	20.34	20.80	3
		12	6	20.27	20.37	20.47	20.39	20.40	20.80	3
		12	13	20.48	20.47	20.44	20.46	20.45	20.80	3
		25	0	20.36	20.51	20.36	20.45	20.37	20.80	3

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LTE Band 42								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3410	3500	3590		
Channel				41690	42590	43490		
20	QPSK	1	0	23.79	23.66	23.72	23.80	0
		1	50	23.55	23.43	23.53	23.80	0
		1	99	23.59	23.44	23.46	23.80	0
		50	0	22.77	22.64	22.75	22.80	1
		50	25	22.63	22.45	22.58	22.80	1
		50	50	22.61	22.52	22.49	22.80	1
		100	0	22.75	22.61	22.76	22.80	1
20	16-QAM	1	0	22.61	22.51	22.62	22.80	1
		1	50	22.71	22.48	22.49	22.80	1
		1	99	22.67	22.39	22.59	22.80	1
		50	0	21.59	21.47	21.46	21.80	2
		50	25	21.58	21.53	21.55	21.80	2
		50	50	21.58	21.53	21.50	21.80	2
		100	0	21.56	21.48	21.50	21.80	2
20	64-QAM	1	0	21.57	21.43	21.62	21.80	2
		1	50	21.56	21.53	21.60	21.80	2
		1	99	21.64	21.42	21.56	21.80	2
		50	0	20.65	20.47	20.63	20.80	3
		50	25	20.60	20.43	20.48	20.80	3
		50	50	20.68	20.48	20.58	20.80	3
		100	0	20.61	20.43	20.68	20.80	3

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LTE Band 42								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3407.5	3500	3592.5		
Channel				41665	42590	43515		
15	QPSK	1	0	23.66	23.45	23.54	23.80	0
		1	36	23.62	23.44	23.53	23.80	0
		1	74	23.69	23.48	23.54	23.80	0
		36	0	22.61	22.40	22.51	22.80	1
		36	18	22.69	22.46	22.65	22.80	1
		36	37	22.66	22.43	22.55	22.80	1
		75	0	22.65	22.50	22.50	22.80	1
15	16-QAM	1	0	22.59	22.45	22.55	22.80	1
		1	36	22.55	22.48	22.65	22.80	1
		1	74	22.53	22.48	22.56	22.80	1
		36	0	21.68	21.64	21.55	21.80	2
		36	18	21.68	21.36	21.47	21.80	2
		36	37	21.74	21.57	21.61	21.80	2
		75	0	21.62	21.52	21.59	21.80	2
15	64-QAM	1	0	21.68	21.48	21.57	21.80	2
		1	36	21.52	21.51	21.54	21.80	2
		1	74	21.63	21.42	21.68	21.80	2
		36	0	20.58	20.57	20.52	20.80	3
		36	18	20.63	20.52	20.53	20.80	3
		36	37	20.67	20.45	20.49	20.80	3
		75	0	20.72	20.54	20.48	20.80	3

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LTE Band 42								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3405	3500	3595		
Channel				41640	42590	43540		
10	QPSK	1	0	23.54	23.50	23.55	23.80	0
		1	25	23.66	23.54	23.52	23.80	0
		1	49	23.62	23.62	23.58	23.80	0
		25	0	22.58	22.61	22.45	22.80	1
		25	12	22.52	22.53	22.60	22.80	1
		25	25	22.65	22.53	22.63	22.80	1
		50	0	22.70	22.40	22.51	22.80	1
10	16-QAM	1	0	22.54	22.54	22.55	22.80	1
		1	25	22.53	22.47	22.53	22.80	1
		1	49	22.51	22.48	22.59	22.80	1
		25	0	21.62	21.41	21.58	21.80	2
		25	12	21.60	21.46	21.62	21.80	2
		25	25	21.59	21.48	21.57	21.80	2
		50	0	21.62	21.50	21.58	21.80	2
10	64-QAM	1	0	21.62	21.52	21.60	21.80	2
		1	25	21.68	21.48	21.51	21.80	2
		1	49	21.59	21.48	21.62	21.80	2
		25	0	20.74	20.59	20.55	20.80	3
		25	12	20.60	20.51	20.60	20.80	3
		25	25	20.67	20.55	20.54	20.80	3
		50	0	20.59	20.49	20.60	20.80	3

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LTE Band 42								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3402.5	3500	3597.5		
Channel				41615	42590	43565		
5	QPSK	1	0	23.60	23.57	23.63	23.80	0
		1	12	23.68	23.52	23.56	23.80	0
		1	24	23.70	23.60	23.45	23.80	0
		12	0	22.75	22.50	22.57	22.80	1
		12	6	22.60	22.52	22.60	22.80	1
		12	13	22.59	22.56	22.68	22.80	1
		25	0	22.59	22.39	22.63	22.80	1
5	16-QAM	1	0	22.69	22.45	22.51	22.80	1
		1	12	22.54	22.54	22.69	22.80	1
		1	24	22.66	22.57	22.60	22.80	1
		12	0	21.59	21.57	21.53	21.80	2
		12	6	21.64	21.48	21.62	21.80	2
		12	13	21.64	21.47	21.55	21.80	2
		25	0	21.62	21.46	21.64	21.80	2
5	64-QAM	1	0	21.65	21.50	21.68	21.80	2
		1	12	21.59	21.49	21.51	21.80	2
		1	24	21.70	21.53	21.67	21.80	2
		12	0	20.62	20.45	20.63	20.80	3
		12	6	20.64	20.48	20.54	20.80	3
		12	13	20.61	20.57	20.59	20.80	3
		25	0	20.75	20.52	20.61	20.80	3

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LTE Band 43								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3610	3700	3790		
Channel				43690	44590	45490		
20	QPSK	1	0	23.72	23.79	23.77	23.80	0
		1	50	23.50	23.66	23.61	23.80	0
		1	99	23.64	23.70	23.59	23.80	0
		50	0	22.67	22.72	22.76	22.80	1
		50	25	22.56	22.59	22.57	22.80	1
		50	50	22.55	22.60	22.65	22.80	1
		100	0	22.71	22.78	22.71	22.80	1
20	16-QAM	1	0	22.66	22.69	22.53	22.80	1
		1	50	22.55	22.58	22.68	22.80	1
		1	99	22.57	22.65	22.55	22.80	1
		50	0	21.46	21.69	21.61	21.80	2
		50	25	21.61	21.54	21.61	21.80	2
		50	50	21.45	21.58	21.62	21.80	2
		100	0	21.53	21.61	21.58	21.80	2
20	64-QAM	1	0	21.55	21.66	21.48	21.80	2
		1	50	21.60	21.56	21.67	21.80	2
		1	99	21.56	21.64	21.67	21.80	2
		50	0	20.53	20.68	20.70	20.80	3
		50	25	20.65	20.61	20.61	20.80	3
		50	50	20.62	20.54	20.64	20.80	3
		100	0	20.46	20.74	20.58	20.80	3

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LTE Band 43								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3607.5	3700	3792.5		
Channel				43665	44590	45515		
15	QPSK	1	0	23.56	23.68	23.62	23.80	0
		1	36	23.54	23.65	23.56	23.80	0
		1	74	23.59	23.72	23.64	23.80	0
		36	0	22.58	22.69	22.50	22.80	1
		36	18	22.50	22.66	22.68	22.80	1
		36	37	22.55	22.61	22.64	22.80	1
		75	0	22.53	22.61	22.63	22.80	1
15	16-QAM	1	0	22.57	22.62	22.57	22.80	1
		1	36	22.52	22.56	22.58	22.80	1
		1	74	22.58	22.65	22.60	22.80	1
		36	0	21.57	21.60	21.57	21.80	2
		36	18	21.55	21.62	21.58	21.80	2
		36	37	21.49	21.55	21.60	21.80	2
		75	0	21.64	21.61	21.64	21.80	2
15	64-QAM	1	0	21.58	21.67	21.60	21.80	2
		1	36	21.56	21.65	21.52	21.80	2
		1	74	21.46	21.63	21.74	21.80	2
		36	0	20.68	20.77	20.63	20.80	3
		36	18	20.62	20.71	20.71	20.80	3
		36	37	20.64	20.57	20.60	20.80	3
		75	0	20.53	20.56	20.70	20.80	3

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LTE Band 43								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3605	3700	3795		
Channel				43640	44590	45540		
10	QPSK	1	0	23.56	23.71	23.61	23.80	0
		1	25	23.63	23.67	23.67	23.80	0
		1	49	23.65	23.50	23.65	23.80	0
		25	0	22.51	22.68	22.56	22.80	1
		25	12	22.54	22.55	22.59	22.80	1
		25	25	22.65	22.60	22.56	22.80	1
		50	0	22.56	22.67	22.48	22.80	1
10	16-QAM	1	0	22.53	22.56	22.61	22.80	1
		1	25	22.60	22.57	22.60	22.80	1
		1	49	22.43	22.64	22.66	22.80	1
		25	0	21.63	21.54	21.60	21.80	2
		25	12	21.57	21.60	21.69	21.80	2
		25	25	21.47	21.58	21.58	21.80	2
		50	0	21.51	21.76	21.60	21.80	2
10	64-QAM	1	0	21.65	21.60	21.61	21.80	2
		1	25	21.52	21.55	21.57	21.80	2
		1	49	21.45	21.67	21.57	21.80	2
		25	0	20.63	20.70	20.51	20.80	3
		25	12	20.56	20.75	20.66	20.80	3
		25	25	20.55	20.62	20.66	20.80	3
		50	0	20.53	20.56	20.64	20.80	3

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LTE Band 43								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3602.5	3700	3797.5		
Channel				43615	44590	45565		
5	QPSK	1	0	23.65	23.70	23.68	23.80	0
		1	12	23.55	23.56	23.61	23.80	0
		1	24	23.49	23.59	23.57	23.80	0
		12	0	22.51	22.58	22.58	22.80	1
		12	6	22.54	22.61	22.51	22.80	1
		12	13	22.49	22.57	22.67	22.80	1
		25	0	22.52	22.64	22.68	22.80	1
5	16-QAM	1	0	22.46	22.65	22.65	22.80	1
		1	12	22.56	22.67	22.64	22.80	1
		1	24	22.59	22.73	22.62	22.80	1
		12	0	21.60	21.60	21.62	21.80	2
		12	6	21.64	21.60	21.54	21.80	2
		12	13	21.60	21.60	21.62	21.80	2
		25	0	21.56	21.56	21.62	21.80	2
5	64-QAM	1	0	21.49	21.71	21.65	21.80	2
		1	12	21.69	21.59	21.68	21.80	2
		1	24	21.55	21.66	21.66	21.80	2
		12	0	20.59	20.70	20.57	20.80	3
		12	6	20.49	20.58	20.57	20.80	3
		12	13	20.59	20.66	20.61	20.80	3
		25	0	20.48	20.67	20.48	20.80	3

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LTE Band 48									
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)				Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3560	3609	3641	3690		
Channel				55340	55830	56150	56640		
20	QPSK	1	0	23.55	23.71	23.78	23.61	23.80	0
		1	50	23.48	23.59	23.65	23.45	23.80	0
		1	99	23.40	23.52	23.59	23.50	23.80	0
		50	0	22.53	22.67	22.73	22.57	22.80	1
		50	25	22.29	22.59	22.55	22.44	22.80	1
		50	50	22.48	22.58	22.52	22.40	22.80	1
		100	0	22.51	22.69	22.71	22.59	22.80	1
20	16-QAM	1	0	22.41	22.64	22.65	22.51	22.80	1
		1	50	22.40	22.47	22.68	22.44	22.80	1
		1	99	22.41	22.46	22.66	22.42	22.80	1
		50	0	21.34	21.52	21.55	21.57	21.80	2
		50	25	21.35	21.58	21.67	21.39	21.80	2
		50	50	21.46	21.59	21.70	21.47	21.80	2
		100	0	21.42	21.49	21.63	21.55	21.80	2
20	64-QAM	1	0	21.40	21.54	21.52	21.36	21.80	2
		1	50	21.30	21.58	21.64	21.49	21.80	2
		1	99	21.44	21.57	21.50	21.46	21.80	2
		50	0	20.28	20.44	20.65	20.54	20.80	3
		50	25	20.44	20.56	20.65	20.43	20.80	3
		50	50	20.45	20.52	20.73	20.41	20.80	3
		100	0	20.33	20.65	20.72	20.39	20.80	3

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LTE Band 48									
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)				Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3557.5	3608	3642	3692.5		
Channel				55315	55820	56160	56665		
15	QPSK	1	0	23.31	23.48	23.52	23.47	23.80	0
		1	36	23.40	23.62	23.65	23.39	23.80	0
		1	74	23.31	23.55	23.63	23.46	23.80	0
		36	0	22.33	22.50	22.61	22.35	22.80	1
		36	18	22.30	22.49	22.64	22.44	22.80	1
		36	37	22.35	22.54	22.69	22.41	22.80	1
		75	0	22.30	22.44	22.72	22.46	22.80	1
15	16-QAM	1	0	22.29	22.68	22.65	22.41	22.80	1
		1	36	22.42	22.56	22.56	22.49	22.80	1
		1	74	22.46	22.67	22.68	22.45	22.80	1
		36	0	21.37	21.61	21.64	21.51	21.80	2
		36	18	21.34	21.59	21.66	21.41	21.80	2
		36	37	21.35	21.44	21.65	21.47	21.80	2
		75	0	21.44	21.56	21.64	21.38	21.80	2
15	64-QAM	1	0	21.41	21.55	21.62	21.50	21.80	2
		1	36	21.43	21.54	21.65	21.41	21.80	2
		1	74	21.45	21.51	21.67	21.48	21.80	2
		36	0	20.37	20.56	20.60	20.42	20.80	3
		36	18	20.37	20.45	20.58	20.37	20.80	3
		36	37	20.39	20.54	20.63	20.48	20.80	3
		75	0	20.44	20.61	20.67	20.45	20.80	3

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LTE Band 48									
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)				Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3555	3607.5	3642.5	3695		
Channel				55290	55815	56165	56690		
10	QPSK	1	0	23.34	23.52	23.68	23.36	23.80	0
		1	25	23.40	23.51	23.59	23.46	23.80	0
		1	49	23.49	23.55	23.59	23.34	23.80	0
		25	0	22.30	22.49	22.63	22.51	22.80	1
		25	12	22.43	22.50	22.60	22.38	22.80	1
		25	25	22.31	22.67	22.64	22.46	22.80	1
		50	0	22.38	22.57	22.59	22.47	22.80	1
10	16-QAM	1	0	22.29	22.58	22.52	22.57	22.80	1
		1	25	22.48	22.51	22.71	22.48	22.80	1
		1	49	22.34	22.55	22.55	22.37	22.80	1
		25	0	21.45	21.65	21.62	21.42	21.80	2
		25	12	21.30	21.42	21.53	21.45	21.80	2
		25	25	21.32	21.44	21.60	21.43	21.80	2
		50	0	21.37	21.60	21.67	21.46	21.80	2
10	64-QAM	1	0	21.29	21.63	21.69	21.52	21.80	2
		1	25	21.45	21.58	21.60	21.38	21.80	2
		1	49	21.38	21.50	21.69	21.37	21.80	2
		25	0	20.35	20.49	20.71	20.34	20.80	3
		25	12	20.32	20.48	20.62	20.49	20.80	3
		25	25	20.37	20.62	20.71	20.32	20.80	3
		50	0	20.48	20.49	20.60	20.46	20.80	3

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LTE Band 48									
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)				Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				3552.5	3607	3643	3697.5		
Channel				55265	55810	56170	56715		
5	QPSK	1	0	23.30	23.63	23.67	23.50	23.80	0
		1	12	23.36	23.67	23.63	23.44	23.80	0
		1	24	23.29	23.64	23.73	23.44	23.80	0
		12	0	22.48	22.55	22.64	22.53	22.80	1
		12	6	22.29	22.52	22.61	22.35	22.80	1
		12	13	22.44	22.48	22.55	22.46	22.80	1
		25	0	22.41	22.60	22.58	22.44	22.80	1
5	16-QAM	1	0	22.38	22.42	22.51	22.45	22.80	1
		1	12	22.36	22.64	22.63	22.51	22.80	1
		1	24	22.30	22.63	22.57	22.55	22.80	1
		12	0	21.28	21.58	21.59	21.52	21.80	2
		12	6	21.41	21.49	21.73	21.51	21.80	2
		12	13	21.43	21.56	21.60	21.46	21.80	2
		25	0	21.35	21.43	21.76	21.44	21.80	2
5	64-QAM	1	0	21.35	21.60	21.66	21.42	21.80	2
		1	12	21.48	21.63	21.62	21.38	21.80	2
		1	24	21.38	21.56	21.60	21.47	21.80	2
		12	0	20.43	20.61	20.63	20.44	20.80	3
		12	6	20.49	20.56	20.76	20.37	20.80	3
		12	13	20.46	20.50	20.64	20.52	20.80	3
		25	0	20.32	20.47	20.55	20.40	20.80	3

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6.4 LTE DL CA

LTE Downlink 2CA conducted power table

Two Component Carrier Maximum Conducted Power															
PCC									SCC				Power		
PCC Band	PCC Bandwidth [MHz]	PCC (UL) Channel	PCC (UL) Frequency [MHz]	Modulation	PCC (UL) RB	PCC (UL) RB Offset	PCC (DL) Channel	PCC (DL) Frequency [MHz]	SCC Band	SCC Bandwidth [MHz]	SCC (DL) Channel	SCC (DL) Frequency [MHz]	LTE Tx.Power with DL CA active (dBm)	LTE Tx.Power with DL CA inactive (dBm)	Configurations
2	20	19100	1900	QPSK	1	0	1100	1980	2	5	625	1932.5	23.73	23.88	CA_2A-2A
2	20	19100	1900	QPSK	1	0	1100	1980	5	10	2525	881.5	23.73	23.73	CA_2A-5A
2	20	19100	1900	QPSK	1	0	1100	1980	7	20	3100	2655	23.70	23.74	CA_2A-7A
2	20	19100	1900	QPSK	1	0	1100	1980	12	10	5095	737.5	23.75	23.82	CA_2A-12A
2	20	19100	1900	QPSK	1	0	1100	1980	13	10	5230	751	23.75	23.82	CA_2A-13A
2	20	19100	1900	QPSK	1	0	1100	1980	14	10	5330	763	23.77	23.84	CA_2A-14A
2	20	19100	1900	QPSK	1	0	1100	1980	71	20	68761	634.5	23.82	23.87	CA_2A-71A
4	20	20050	1720	QPSK	1	0	2050	2120	4	5	2375	2152.5	23.72	23.81	CA_4A-4A
4	10	20050	1720	QPSK	1	0	2050	2120	5	10	2525	881.5	23.70	23.78	CA_4A-5A
4	10	20050	1720	QPSK	1	0	2050	2120	7	20	3100	2655	23.69	23.76	CA_4A-7A
4	10	20050	1720	QPSK	1	0	2050	2120	12	10	5095	737.5	23.64	23.74	CA_4A-12A
4	20	20050	1720	QPSK	1	0	2050	2120	13	10	5230	751	23.65	23.74	CA_4A-13A
4	20	20050	1720	QPSK	1	0	2050	2120	71	20	68761	634.5	23.78	23.83	CA_4A-71A
5	10	20600	844	QPSK	1	0	2600	889	66	20	66886	2155	23.66	23.67	CA_5A-66A
7	20	21350	2560	QPSK	1	0	3350	2680	7	5	2775	2622.5	23.26	23.34	CA_7A-7A
7	20	21350	2560	QPSK	1	0	3350	2680	12	10	5095	737.5	23.24	23.26	CA_7A-12A
12	10	23130	711	QPSK	1	0	5130	741	66	10	66886	2155	23.43	23.47	CA_12A-66A
13	10	23230	782	QPSK	1	0	5230	751	66	20	66886	2155	23.49	23.51	CA_13A-66A
14	10	23330	793	QPSK	1	0	5330	763	66	20	66886	2155	23.45	23.47	CA_14A-66A
25	20	26365	1882.5	QPSK	1	0	8365	1962.5	25	5	8665	1992.5	23.67	23.77	CA_25A-25A
25	20	26365	1882.5	QPSK	1	0	8365	1962.5	26	15	8865	876.5	23.77	23.82	CA_25A-26A
26	15	26965	841.5	QPSK	1	0	8965	886.5	41	20	40620	2593	23.59	23.66	CA_26A-41A
41	20	40185	2549.5	QPSK	1	0	40185	2549.5	41	5	41565	2687.5	23.31	23.34	CA_41A-41A
42	20	41690	3410	QPSK	1	0	41690	3410	42	5	43565	3597.5	23.52	23.53	CA_42A-42A
48	20	56150	3641	QPSK	1	0	56150	3641	48	5	55265	3552.5	23.53	23.60	CA_48A-48A
66	20	132322	1745	QPSK	1	0	66886	2155	66	5	67311	2197.5	23.47	23.56	CA_66A-66A
66	20	132322	1745	QPSK	1	0	66886	2155	71	20	68761	634.5	23.46	23.47	CA_66A-71A
2	20	19100	1900	QPSK	1	0	1100	1980	2	20	902	1960.2	23.62	23.68	CA_2C
5	10	20600	844	QPSK	1	0	2600	889	5	10	879.1	2501	23.65	23.69	CA_5B
7	15	21375	2562.5	QPSK	1	0	3375	2682.5	7	5	2673.2	3282	23.34	23.36	CA_7B
7	20	21350	2560	QPSK	1	0	3350	2680	7	20	3152	2660.2	23.32	23.34	CA_7C
12	10	23130	711	QPSK	1	0	5130	741	12	10	5031	731.1	23.46	23.54	CA_12B
41	20	40185	2549.5	QPSK	1	0	40185	2549.5	41	20	40383	2569.3	23.42	23.50	CA_41C
42	20	41690	3410	QPSK	1	0	41690	3410	42	20	41888	3429.8	23.59	23.60	CA_42C
43	20	44590	3700	QPSK	1	0	44590	3700	43	20	44392	3680.2	23.51	23.54	CA_43C
48	20	56150	3641	QPSK	1	0	56150	3641	48	20	55952	3621.2	23.52	23.61	CA_48C
66	15	132322	1745	QPSK	1	0	66886	2155	66	5	66736	2140	23.36	23.42	CA_66B
66	20	132322	1745	QPSK	1	0	66886	2155	66	20	67084	2164.8	23.45	23.49	CA_66C

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LTE CA information

A)

The device supports downlink LTE Carrier Aggregation (CA) only. Other Release 10 features or higher features are not supported, including Enhanced SC-FDMA, Uplink MIMO or other antenna diversity configurations etc. All uplink communications are identical to the Release 8 Specifications.

The possible downlink LTE CA combinations supported by this device are as below tables per 3GPP TS 36.521-1 V16.6.0. The conducted power measurement results of downlink LTE CA are provided as above per 3GPP TS 36.521-1 V16.6.0. According to KDB 941225 D05A and RF exposure procedures in TCB workshop April 2018, the downlink LTE CA SAR test is not required.

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B)

CA combination table

Index	2CC	Restriction	Completely Covered by Measurement Superset
2CC #1	CA_2A-2A		No
2CC #2	CA_2A-5A		No
2CC #3	CA_2A-7A		No
2CC #4	CA_2A-12A		No
2CC #5	CA_2A-13A		No
2CC #6	CA_2A-14A		No
2CC #7	CA_2A-71A		No
2CC #8	CA_4A-4A		No
2CC #9	CA_4A-5A		No
2CC #10	CA_4A-7A		No
2CC #11	CA_4A-12A		No
2CC #12	CA_4A-13A		No
2CC #13	CA_4A-71A		No
2CC #14	CA_5A-66A		No
2CC #15	CA_7A-7A		No
2CC #16	CA_7A-12A		No
2CC #17	CA_12A-66A		No
2CC #18	CA_13A-66A		No
2CC #19	CA_14A-66A		No
2CC #20	CA_25A-25A		No
2CC #21	CA_25A-26A		No
2CC #22	CA_26A-41A		No
2CC #23	CA_41A-41A		No
2CC #24	CA_42A-42A		No
2CC #25	CA_48A-48A		No
2CC #26	CA_66A-66A		No
2CC #27	CA_66A-71A		No
2CC #28	CA_2C		No
2CC #29	CA_5B		No
2CC #30	CA_7B		No
2CC #31	CA_7C		No
2CC #32	CA_12B		No
2CC #33	CA_41C		No
2CC #34	CA_42C		No
2CC #35	CA_43C		No
2CC #36	CA_48C		No
2CC #37	CA_66B		No
2CC #38	CA_66C		No

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Note:

1) The channel spacing and aggregated channel bandwidth for CA are identical to the associated specification in 3GPP TS 36.521-1 V16.6.0.

2) The reference test frequencies for CA refers to 3GPP TS 36.508 V16.6.0

3) Testing is not required in bands or modes not intended/allowed for US operation

4) Based on TCB workshop April 2018, only indicate “No” in CA combination table need power measurement

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6.5 LTE Intra-Band UL CA

Full Power

CA_5B														
Combination 50RB + 50RB (10MHz + 10MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
10	QPSK	829	20450	1	49	10	QPSK	838.9	20549	1	0	0	24.12	24.30
10	QPSK	831.6	20476	1	49	10	QPSK	841.5	20575	1	0	0	23.96	24.30
10	QPSK	834.1	20501	1	49	10	QPSK	844	20600	1	0	0	24.05	24.30

CA_5B														
Combination 50RB + 25RB (10MHz + 5MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
10	QPSK	829	20450	1	49	5	QPSK	836.2	20522	1	0	0	23.90	24.30
10	QPSK	834	20500	1	49	5	QPSK	841.2	20572	1	0	0	24.07	24.30
10	QPSK	839	20550	1	49	5	QPSK	846.2	20622	1	0	0	24.11	24.30

CA_7C														
Combination 100RB + 100RB (20MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
20	QPSK	2510	20850	1	99	20	QPSK	2529.8	21048	1	0	0	23.69	23.80
20	QPSK	2525.1	21001	1	99	20	QPSK	2544.9	21199	1	0	0	23.53	23.80
20	QPSK	2540.2	21152	1	99	20	QPSK	2560	21350	1	0	0	23.62	23.80

CA_7C														
Combination 75RB + 100RB (15MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
15	QPSK	2507.8	20828	1	74	20	QPSK	2524.9	20999	1	0	0	23.49	23.80
15	QPSK	2525.3	21003	1	74	20	QPSK	2542.4	21174	1	0	0	23.57	23.80
15	QPSK	2560	21350	1	74	20	QPSK	2577.1	21521	1	0	0	23.52	23.80

CA_7C														
Combination 75RB + 75RB (15MHz + 15MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
15	QPSK	2507.5	20825	1	74	15	QPSK	2522.5	20975	1	0	0	23.56	23.80
15	QPSK	2527.5	21025	1	74	15	QPSK	2542.5	21175	1	0	0	23.59	23.80
15	QPSK	2547.5	21225	1	74	15	QPSK	2562.5	21375	1	0	0	23.68	23.80

CA_7C														
Combination 75RB + 50RB (15MHz + 10MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
15	QPSK	2507.5	20825	1	74	10	QPSK	2519.5	20945	1	0	0	23.46	23.80
15	QPSK	2530.1	21051	1	74	10	QPSK	2542.1	21171	1	0	0	23.43	23.80
15	QPSK	2552.7	21277	1	74	10	QPSK	2564.7	21397	1	0	0	23.48	23.80

CA_7C														
Combination 50RB + 100RB (10MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
10	QPSK	2505.5	20805	1	49	20	QPSK	2519.9	20949	1	0	0	23.43	23.80
10	QPSK	2525.6	21006	1	49	20	QPSK	2540	21150	1	0	0	23.42	23.80
10	QPSK	2545.6	21206	1	49	20	QPSK	2560	21350	1	0	0	23.49	23.80

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CA_41C														
Combination 100RB + 100RB (20MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
20	QPSK	2506	39750	1	99	20	QPSK	2525.8	39948	1	0	0	23.71	23.80
20	QPSK	2583.1	40521	1	99	20	QPSK	2602.9	40719	1	0	0	23.47	23.80
20	QPSK	2660.2	41292	1	99	20	QPSK	2680	41490	1	0	0	23.65	23.80

CA_41C														
Combination 75RB + 100RB (15MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
15	QPSK	2503.8	39728	1	74	20	QPSK	2520.9	39899	1	0	0	23.41	23.80
15	QPSK	2583.3	40523	1	74	20	QPSK	2600.4	40694	1	0	0	23.66	23.80
15	QPSK	2662.9	41319	1	74	20	QPSK	2680	41490	1	0	0	23.43	23.80

CA_41C														
Combination 75RB + 75RB (15MHz + 15MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
15	QPSK	2503.5	39725	1	74	15	QPSK	2518.5	39875	1	0	0	23.47	23.80
15	QPSK	2585.5	40545	1	74	15	QPSK	2600.5	40695	1	0	0	23.63	23.80
15	QPSK	2667.5	41365	1	74	15	QPSK	2682.5	41515	1	0	0	23.56	23.80

CA_41C														
Combination 50RB + 100RB (10MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
10	QPSK	2501.5	39705	1	49	20	QPSK	2515.9	39849	1	0	0	23.65	23.80
10	QPSK	2583.6	40526	1	49	20	QPSK	2598	40670	1	0	0	23.51	23.80
10	QPSK	2665.6	41346	1	49	20	QPSK	2680	41490	1	0	0	23.42	23.80

CA_41C														
Combination 50RB + 75RB (10MHz + 15MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
10	QPSK	2501.3	39703	1	49	15	QPSK	2513.3	39823	1	0	0	23.57	23.80
10	QPSK	2585.9	40549	1	49	15	QPSK	2597.9	40669	1	0	0	23.56	23.80
10	QPSK	2670.5	41395	1	49	15	QPSK	2682.5	41515	1	0	0	23.48	23.80

CA_41C														
Combination 25RB + 100RB (5MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
5	QPSK	2499.3	39683	1	24	20	QPSK	2511	39800	1	0	0	23.70	23.80
5	QPSK	2583.8	40528	1	24	20	QPSK	2595.5	40645	1	0	0	23.49	23.80
5	QPSK	2668.3	41373	1	24	20	QPSK	2680	41490	1	0	0	23.67	23.80

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CA_42C														
Combination 100RB + 100RB (20MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
20	QPSK	3410	41690	1	99	20	QPSK	3429.8	41888	1	0	0	23.69	23.80
20	QPSK	3490.1	42491	1	99	20	QPSK	3509.9	42689	1	0	0	23.47	23.80
20	QPSK	3570.2	43292	1	99	20	QPSK	3590	43490	1	0	0	23.62	23.80

CA_42C														
Combination 75RB + 100RB (15MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
15	QPSK	3407.8	41668	1	74	20	QPSK	3424.9	41839	1	0	0	23.65	23.80
15	QPSK	3490.3	42493	1	74	20	QPSK	3507.4	42664	1	0	0	23.52	23.80
15	QPSK	3572.9	43319	1	74	20	QPSK	3590	43490	1	0	0	23.43	23.80

CA_42C														
Combination 50RB + 100RB (10MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
10	QPSK	3405.5	41645	1	49	20	QPSK	3419.9	41789	1	0	0	23.57	23.80
10	QPSK	3490.6	42496	1	49	20	QPSK	3505	42640	1	0	0	23.62	23.80
10	QPSK	3575.6	43346	1	49	20	QPSK	3590	43490	1	0	0	23.45	23.80

CA_42C														
Combination 25RB + 100RB (5MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
5	QPSK	3403.3	41623	1	24	20	QPSK	3415	41740	1	0	0	23.55	23.80
5	QPSK	3490.8	42498	1	24	20	QPSK	3502.5	42615	1	0	0	23.68	23.80
5	QPSK	3578.3	43373	1	24	20	QPSK	3590	43490	1	0	0	23.58	23.80

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CA_43C														
Combination 100RB + 100RB (20MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
20	QPSK	3610	43690	1	99	20	QPSK	3629.8	43888	1	0	0	23.71	23.80
20	QPSK	3700	44590	1	99	20	QPSK	3719.8	44788	1	0	0	23.41	23.80
20	QPSK	3770.2	45292	1	99	20	QPSK	3790	45490	1	0	0	23.49	23.80

CA_43C														
Combination 75RB + 100RB (15MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
15	QPSK	3607.5	43665	1	74	20	QPSK	3624.6	43836	1	0	0	23.47	23.80
15	QPSK	3700	44590	1	74	20	QPSK	3717.1	44761	1	0	0	23.58	23.80
15	QPSK	3772.9	45319	1	74	20	QPSK	3790	45490	1	0	0	23.45	23.80

CA_43C														
Combination 75RB + 75RB (15MHz + 15MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
15	QPSK	3607.5	43665	1	74	15	QPSK	3622.5	43815	1	0	0	23.45	23.80
15	QPSK	3700	44590	1	74	15	QPSK	3715	44740	1	0	0	23.52	23.80
15	QPSK	3777.5	45365	1	74	15	QPSK	3792.5	45515	1	0	0	23.43	23.80

CA_43C														
Combination 50RB + 100RB (10MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
10	QPSK	3605	43640	1	49	20	QPSK	3619.4	43784	1	0	0	23.56	23.80
10	QPSK	3700	44590	1	49	20	QPSK	3714.4	44734	1	0	0	23.59	23.80
10	QPSK	3775.6	45346	1	49	20	QPSK	3790	45490	1	0	0	23.53	23.80

CA_43C														
Combination 50RB + 75RB (10MHz + 15MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
10	QPSK	3605	43640	1	49	15	QPSK	3617	43760	1	0	0	23.59	23.80
10	QPSK	3700	44590	1	49	15	QPSK	3712	44710	1	0	0	23.50	23.80
10	QPSK	3780.5	45395	1	49	15	QPSK	3792.5	45515	1	0	0	23.55	23.80

CA_43C														
Combination 25RB + 100RB (5MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
5	QPSK	3602.5	43615	1	24	20	QPSK	3614.2	43732	1	0	0	23.70	23.80
5	QPSK	3700	44590	1	24	20	QPSK	3711.7	44707	1	0	0	23.61	23.80
5	QPSK	3778.3	45373	1	24	20	QPSK	3790	45490	1	0	0	23.63	23.80

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CA_48C														
Combination 100RB + 100RB (20MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
20	QPSK	3560	55340	1	99	20	QPSK	3579.8	55538	1	0	0	23.70	23.80
20	QPSK	3615.1	55891	1	99	20	QPSK	3634.9	56089	1	0	0	23.49	23.80
20	QPSK	3670.2	56442	1	99	20	QPSK	3690	56640	1	0	0	23.42	23.80

CA_48C														
Combination 75RB + 100RB (15MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
15	QPSK	3557.8	55318	1	74	20	QPSK	3574.9	55489	1	0	0	23.62	23.80
15	QPSK	3615.3	55893	1	74	20	QPSK	3632.4	56064	1	0	0	23.64	23.80
15	QPSK	3672.9	56469	1	74	20	QPSK	3690	56640	1	0	0	23.65	23.80

CA_48C														
Combination 50RB + 100RB (10MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
10	QPSK	3555.5	55295	1	49	20	QPSK	3569.9	55439	1	0	0	23.41	23.80
10	QPSK	3615.6	55896	1	49	20	QPSK	3630	56040	1	0	0	23.60	23.80
10	QPSK	3675.6	56496	1	49	20	QPSK	3690	56640	1	0	0	23.64	23.80

CA_48C														
Combination 25RB + 100RB (5MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
5	QPSK	3553.3	55273	1	24	20	QPSK	3565	55390	1	0	0	23.69	23.80
5	QPSK	3615.8	55898	1	24	20	QPSK	3627.5	56015	1	0	0	23.61	23.80
5	QPSK	3678.3	56523	1	24	20	QPSK	3690	56640	1	0	0	23.47	23.80

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Down Power

CA_5B														
Combination 50RB + 50RB (10MHz + 10MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
10	QPSK	829	20450	1	49	10	QPSK	838.9	20549	1	0	0	20.87	21.00
10	QPSK	831.6	20476	1	49	10	QPSK	841.5	20575	1	0	0	20.76	21.00
10	QPSK	834.1	20501	1	49	10	QPSK	844	20600	1	0	0	20.86	21.00

CA_5B														
Combination 50RB + 25RB (10MHz + 5MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
10	QPSK	829	20450	1	49	5	QPSK	836.2	20522	1	0	0	20.86	21.00
10	QPSK	834	20500	1	49	5	QPSK	841.2	20572	1	0	0	20.76	21.00
10	QPSK	839	20550	1	49	5	QPSK	846.2	20622	1	0	0	20.76	21.00

CA_7C														
Combination 100RB + 100RB (20MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
20	QPSK	2510	20850	1	99	20	QPSK	2529.8	21048	1	0	0	19.41	19.50
20	QPSK	2525.1	21001	1	99	20	QPSK	2544.9	21199	1	0	0	19.23	19.50
20	QPSK	2540.2	21152	1	99	20	QPSK	2560	21350	1	0	0	19.38	19.50

CA_7C														
Combination 75RB + 100RB (15MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
15	QPSK	2507.8	20828	1	74	20	QPSK	2524.9	20999	1	0	0	19.40	19.50
15	QPSK	2525.3	21003	1	74	20	QPSK	2542.4	21174	1	0	0	19.28	19.50
15	QPSK	2560	21350	1	74	20	QPSK	2577.1	21521	1	0	0	19.33	19.50

CA_7C														
Combination 75RB + 75RB (15MHz + 15MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
15	QPSK	2507.5	20825	1	74	15	QPSK	2522.5	20975	1	0	0	19.19	20.30
15	QPSK	2527.5	21025	1	74	15	QPSK	2542.5	21175	1	0	0	19.37	20.30
15	QPSK	2547.5	21225	1	74	15	QPSK	2562.5	21375	1	0	0	19.39	20.30

CA_7C														
Combination 75RB + 50RB (15MHz + 10MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
15	QPSK	2507.5	20825	1	74	10	QPSK	2519.5	20945	1	0	0	19.30	19.50
15	QPSK	2530.1	21051	1	74	10	QPSK	2542.1	21171	1	0	0	19.38	19.50
15	QPSK	2552.7	21277	1	74	10	QPSK	2564.7	21397	1	0	0	19.31	19.50

CA_7C														
Combination 50RB + 100RB (10MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
10	QPSK	2505.5	20805	1	49	20	QPSK	2519.9	20949	1	0	0	19.23	19.50
10	QPSK	2525.6	21006	1	49	20	QPSK	2540	21150	1	0	0	19.37	19.50
10	QPSK	2545.6	21206	1	49	20	QPSK	2560	21350	1	0	0	19.30	19.50

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CA_41C														
Combination 100RB + 100RB (20MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
20	QPSK	2506	39750	1	99	20	QPSK	2525.8	39948	1	0	0	19.83	20.00
20	QPSK	2583.1	40521	1	99	20	QPSK	2602.9	40719	1	0	0	19.75	20.00
20	QPSK	2660.2	41292	1	99	20	QPSK	2680	41490	1	0	0	19.62	20.00

CA_41C														
Combination 75RB + 100RB (15MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
15	QPSK	2503.8	39728	1	74	20	QPSK	2520.9	39899	1	0	0	19.80	20.00
15	QPSK	2583.3	40523	1	74	20	QPSK	2600.4	40694	1	0	0	19.70	20.00
15	QPSK	2662.9	41319	1	74	20	QPSK	2680	41490	1	0	0	19.82	20.00

CA_41C														
Combination 75RB + 75RB (15MHz + 15MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
15	QPSK	2503.5	39725	1	74	15	QPSK	2518.5	39875	1	0	0	19.80	20.00
15	QPSK	2585.5	40545	1	74	15	QPSK	2600.5	40695	1	0	0	19.82	20.00
15	QPSK	2667.5	41365	1	74	15	QPSK	2682.5	41515	1	0	0	19.68	20.00

CA_41C														
Combination 50RB + 100RB (10MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
10	QPSK	2501.5	39705	1	49	20	QPSK	2515.9	39849	1	0	0	19.65	20.00
10	QPSK	2583.6	40526	1	49	20	QPSK	2598	40670	1	0	0	19.73	20.00
10	QPSK	2665.6	41346	1	49	20	QPSK	2680	41490	1	0	0	19.68	20.00

CA_41C														
Combination 50RB + 75RB (10MHz + 15MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
10	QPSK	2501.3	39703	1	49	15	QPSK	2513.3	39823	1	0	0	19.76	20.00
10	QPSK	2585.9	40549	1	49	15	QPSK	2597.9	40669	1	0	0	19.70	20.00
10	QPSK	2670.5	41395	1	49	15	QPSK	2682.5	41515	1	0	0	19.71	20.00

CA_41C														
Combination 25RB + 100RB (5MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
5	QPSK	2499.3	39683	1	24	20	QPSK	2511	39800	1	0	0	19.72	20.00
5	QPSK	2583.8	40528	1	24	20	QPSK	2595.5	40645	1	0	0	19.80	20.00
5	QPSK	2668.3	41373	1	24	20	QPSK	2680	41490	1	0	0	19.78	20.00

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CA_43C														
Combination 100RB + 100RB (20MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
20	QPSK	3610	43690	1	99	20	QPSK	3629.8	43888	1	0	0	20.91	21.00
20	QPSK	3700	44590	1	99	20	QPSK	3719.8	44788	1	0	0	20.85	21.00
20	QPSK	3770.2	45292	1	99	20	QPSK	3790	45490	1	0	0	20.87	21.00

CA_43C														
Combination 75RB + 100RB (15MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
15	QPSK	3607.5	43665	1	74	20	QPSK	3624.6	43836	1	0	0	20.83	21.00
15	QPSK	3700	44590	1	74	20	QPSK	3717.1	44761	1	0	0	20.63	21.00
15	QPSK	3772.9	45319	1	74	20	QPSK	3790	45490	1	0	0	20.77	21.00

CA_43C														
Combination 75RB + 75RB (15MHz + 15MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
15	QPSK	3607.5	43665	1	74	15	QPSK	3622.5	43815	1	0	0	20.60	21.00
15	QPSK	3700	44590	1	74	15	QPSK	3715	44740	1	0	0	20.80	21.00
15	QPSK	3777.5	45365	1	74	15	QPSK	3792.5	45515	1	0	0	20.86	21.00

CA_43C														
Combination 50RB + 100RB (10MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
10	QPSK	3605	43640	1	49	20	QPSK	3619.4	43784	1	0	0	20.84	21.00
10	QPSK	3700	44590	1	49	20	QPSK	3714.4	44734	1	0	0	20.85	21.00
10	QPSK	3775.6	45346	1	49	20	QPSK	3790	45490	1	0	0	20.90	21.00

CA_43C														
Combination 50RB + 75RB (10MHz + 15MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
10	QPSK	3605	43640	1	49	15	QPSK	3617	43760	1	0	0	20.81	21.00
10	QPSK	3700	44590	1	49	15	QPSK	3712	44710	1	0	0	20.65	21.00
10	QPSK	3780.5	45395	1	49	15	QPSK	3792.5	45515	1	0	0	20.84	21.00

CA_43C														
Combination 25RB + 100RB (5MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
5	QPSK	3602.5	43615	1	24	20	QPSK	3614.2	43732	1	0	0	20.67	21.00
5	QPSK	3700	44590	1	24	20	QPSK	3711.7	44707	1	0	0	20.86	21.00
5	QPSK	3778.3	45373	1	24	20	QPSK	3790	45490	1	0	0	20.60	21.00

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CA_48C														
Combination 100RB + 100RB (20MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
20	QPSK	3560	55340	1	99	20	QPSK	3579.8	55538	1	0	0	21.87	22.00
20	QPSK	3615.1	55891	1	99	20	QPSK	3634.9	56089	1	0	0	21.74	22.00
20	QPSK	3670.2	56442	1	99	20	QPSK	3690	56640	1	0	0	21.69	22.00

CA_48C														
Combination 75RB + 100RB (15MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
15	QPSK	3557.8	55318	1	74	20	QPSK	3574.9	55489	1	0	0	21.77	22.00
15	QPSK	3615.3	55893	1	74	20	QPSK	3632.4	56064	1	0	0	21.72	22.00
15	QPSK	3672.9	56469	1	74	20	QPSK	3690	56640	1	0	0	21.78	22.00

CA_48C														
Combination 50RB + 100RB (10MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
10	QPSK	3555.5	55295	1	49	20	QPSK	3569.9	55439	1	0	0	21.62	22.00
10	QPSK	3615.6	55896	1	49	20	QPSK	3630	56040	1	0	0	21.86	22.00
10	QPSK	3675.6	56496	1	49	20	QPSK	3690	56640	1	0	0	21.67	22.00

CA_48C														
Combination 25RB + 100RB (5MHz + 20MHz)														
PCC						SCC						MPR (dB)	UL CA power	
Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset	Bandwidth [MHz]	Modulation	Frequency [MHz]	Channel	RB size	RB Offset		Measured (dBm)	Tune-up limit (dBm)
5	QPSK	3553.3	55273	1	24	20	QPSK	3565	55390	1	0	0	21.65	22.00
5	QPSK	3615.8	55898	1	24	20	QPSK	3627.5	56015	1	0	0	21.61	22.00
5	QPSK	3678.3	56523	1	24	20	QPSK	3690	56640	1	0	0	21.83	22.00

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6.6 WLAN

Main						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
2.45GHz	802.11b	1	2412	1Mbps	21.00	20.96
		6	2437		21.00	20.98
		11	2462		21.00	20.97
	802.11g	1	2412	6Mbps	19.00	18.94
		6	2437		21.00	20.87
		11	2462		18.50	18.28
	802.11n20-HT0	1	2412	MCS0	19.00	18.89
		6	2437		21.00	20.79
		11	2462		18.50	18.39
	802.11ax20-HE0	1	2412	MCS0	19.00	18.90
		6	2437		21.00	20.86
		11	2462		18.50	18.41
	802.11n40-HT0	3	2422	MCS0	18.25	18.00
		6	2437		17.50	17.31
		9	2452		12.00	11.95
	802.11ax40-HE0	3	2422	MCS0	18.25	18.16
		6	2437		17.50	17.46
		9	2452		12.00	11.78

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Main						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5.15-5.25 GHz	802.11a	36	5180	6Mbps	19.25	19.22
		40	5200		21.00	20.80
		44	5220		21.00	20.78
		48	5240		21.00	20.85
	802.11n20-HT0	36	5180	MCS0	19.25	19.09
		40	5200		21.00	20.71
		44	5220		21.00	20.89
		48	5240		21.00	20.85
	802.11ax20-HE0	36	5180	MCS0	19.25	19.15
		40	5200		21.00	20.89
		44	5220		21.00	20.77
		48	5240		21.00	20.82
	802.11n40-HT0	38	5190	MCS0	18.25	18.17
		46	5230		21.00	20.98
	802.11ax40-HE0	38	5190	MCS0	18.25	18.20
		46	5230		21.00	20.88
	802.11ac80-VHT0	42	5210	MCS0	18.00	17.88
	802.11ax80-HE0	42	5210	MCS0	18.00	17.79
	802.11ac160-VHT0	50	5250	MCS0	14.50	14.28
	802.11ax160-HE0	50	5250	MCS0	14.50	14.33

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Main						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5.25-5.35 GHz	802.11a	52	5260	6Mbps	21.00	20.82
		56	5280		21.00	20.89
		60	5300		21.00	20.85
		64	5320		19.75	19.61
	802.11n20-HT0	52	5260	MCS0	21.00	20.79
		56	5280		21.00	20.87
		60	5300		21.00	20.88
		64	5320		19.75	19.46
	802.11ax20-HE0	52	5260	MCS0	21.00	20.76
		56	5280		21.00	20.79
		60	5300		21.00	20.80
		64	5320		19.75	19.67
	802.11n40-HT0	54	5270	MCS0	21.00	20.98
		62	5310		16.50	16.49
	802.11ax40-HE0	54	5270	MCS0	21.00	20.84
		62	5310		16.50	16.29
	802.11ac80-VHT0	58	5290	MCS0	17.00	16.93
	802.11ax80-HE0	58	5290	MCS0	17.00	16.88

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Main						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5.6GHz	802.11a	100	5500	6Mbps	20.25	20.00
		120	5600		21.00	20.80
		140	5700		20.50	20.29
	802.11n20-HT0	100	5500	MCS0	20.25	20.14
		120	5600		21.00	20.94
		140	5700		20.50	20.40
	802.11ax20-HE0	100	5500	MCS0	20.25	20.14
		120	5600		21.00	20.79
		140	5700		20.50	20.31
	802.11n40-HT0	102	5510	MCS0	19.50	19.33
		118	5590		21.00	20.84
		134	5670		20.75	20.53
		142	5710		21.00	20.97
	802.11ax40-HE0	102	5510	MCS0	19.50	19.26
		118	5590		21.00	20.86
		134	5670		20.75	20.49
		142	5710		21.00	20.72
	802.11ac80-VHT0	106	5530	MCS0	19.25	19.14
		122	5610		21.00	20.93
		138	5690		21.00	20.99
	802.11ax80-HE0	106	5530	MCS0	19.25	19.17
		122	5610		21.00	20.78
		138	5690		21.00	20.80
	802.11ac160-VHT0	114	5570	MCS0	17.25	17.14
	802.11ax160-HE0	114	5570	MCS0	17.25	17.05

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Main						
Mode	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5.8GHz	802.11a	149	5745	6Mbps	21.00	20.71
		157	5785		21.00	20.84
		165	5825		21.00	20.92
	802.11n20-HT0	149	5745	MCS0	21.00	20.82
		157	5785		21.00	20.90
		165	5825		21.00	20.88
	802.11ax20-HE0	149	5745	MCS0	21.00	20.74
		157	5785		21.00	20.91
		165	5825		21.00	20.79
	802.11n40-HT0	151	5755	MCS0	21.00	20.98
		159	5795		21.00	20.92
	802.11ax40-HE0	151	5755	MCS0	21.00	20.86
		159	5795		21.00	20.88
	802.11ac80-VHT0	155	5775	MCS0	20.25	20.11
	802.11ax80-HE0	155	5775	MCS0	20.25	20.15

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Aux						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
2.45GHz	802.11b	1	2412	1Mbps	21.00	20.97
		6	2437		21.00	20.99
		11	2462		21.00	20.98
	802.11g	1	2412	6Mbps	19.75	19.53
		6	2437		21.00	20.90
		11	2462		18.75	18.68
	802.11n20-HT0	1	2412	MCS0	19.75	19.55
		6	2437		21.00	20.80
		11	2462		18.75	18.62
	802.11ax20-HE0	1	2412	MCS0	19.75	19.50
		6	2437		21.00	20.89
		11	2462		18.75	18.58
	802.11n40-HT0	3	2422	MCS0	18.25	18.01
		6	2437		18.00	17.88
		9	2452		12.50	12.43
	802.11ax40-HE0	3	2422	MCS0	18.25	18.22
		6	2437		18.00	17.94
		9	2452		12.50	12.38

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Aux						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5.15-5.25 GHz	802.11a	36	5180	6Mbps	19.00	18.82
		40	5200		21.00	20.83
		44	5220		21.00	20.73
		48	5240		21.00	20.90
	802.11n20-HT0	36	5180	MCS0	19.00	18.85
		40	5200		21.00	20.79
		44	5220		21.00	20.91
		48	5240		21.00	20.96
	802.11ax20-HE0	36	5180	MCS0	19.00	18.74
		40	5200		21.00	20.95
		44	5220		21.00	20.83
		48	5240		21.00	20.86
	802.11n40-HT0	38	5190	MCS0	18.50	18.46
		46	5230		21.00	20.97
	802.11ax40-HE0	38	5190	MCS0	18.50	18.35
		46	5230		21.00	20.84
	802.11ac80-VHT0	42	5210	MCS0	18.75	18.57
	802.11ax80-HE0	42	5210	MCS0	18.75	18.62
	802.11ac160-VHT0	50	5250	MCS0	15.00	14.83
	802.11ax160-HE0	50	5250	MCS0	15.00	14.78

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Aux						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5.25-5.35 GHz	802.11a	52	5260	6Mbps	21.00	20.76
		56	5280		21.00	20.76
		60	5300		21.00	20.82
		64	5320		19.25	19.12
	802.11n20-HT0	52	5260	MCS0	21.00	20.93
		56	5280		21.00	20.89
		60	5300		21.00	20.82
		64	5320		19.25	19.19
	802.11ax20-HE0	52	5260	MCS0	21.00	20.74
		56	5280		21.00	20.90
		60	5300		21.00	20.85
		64	5320		19.25	19.14
	802.11n40-HT0	54	5270	MCS0	21.00	20.98
		62	5310		16.75	16.73
	802.11ax40-HE0	54	5270	MCS0	21.00	20.75
		62	5310		16.75	16.53
	802.11ac80-VHT0	58	5290	MCS0	17.50	17.38
	802.11ax80-HE0	58	5290	MCS0	17.50	17.38

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Aux						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5.6GHz	802.11a	100	5500	6Mbps	20.00	19.86
		120	5600		21.00	20.90
		140	5700		20.50	20.37
	802.11n20-HT0	100	5500	MCS0	20.00	19.80
		120	5600		21.00	20.93
		140	5700		20.50	20.40
	802.11ax20-HE0	100	5500	MCS0	20.00	19.81
		120	5600		21.00	20.86
		140	5700		20.50	20.40
	802.11n40-HT0	102	5510	MCS0	19.75	19.59
		118	5590		21.00	20.77
		134	5670		20.50	20.23
		142	5710		21.00	20.89
	802.11ax40-HE0	102	5510	MCS0	19.75	19.60
		118	5590		21.00	20.85
		134	5670		20.50	20.31
		142	5710		21.00	20.87
	802.11ac80-VHT0	106	5530	MCS0	19.00	18.96
		122	5610		21.00	20.94
		138	5690		21.00	20.96
	802.11ax80-HE0	106	5530	MCS0	19.00	18.92
		122	5610		21.00	20.84
		138	5690		21.00	20.78
	802.11ac160-VHT0	114	5570	MCS0	17.00	16.86
	802.11ax160-HE0	114	5570	MCS0	17.00	16.86

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Aux						
Mode	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5.8GHz	802.11a	149	5745	6Mbps	21.00	20.83
		157	5785		21.00	20.97
		165	5825		21.00	20.86
	802.11n20-HT0	149	5745	MCS0	21.00	20.75
		157	5785		21.00	20.86
		165	5825		21.00	20.85
	802.11ax20-HE0	149	5745	MCS0	21.00	20.79
		157	5785		21.00	20.82
		165	5825		21.00	20.86
	802.11n40-HT0	151	5755	MCS0	21.00	20.96
		159	5795		21.00	20.98
	802.11ax40-HE0	151	5755	MCS0	21.00	20.82
		159	5795		21.00	20.87
	802.11ac80-VHT0	155	5775	MCS0	20.25	20.20
	802.11ax80-HE0	155	5775	MCS0	20.25	20.08

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Main						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
U-NII-5 6.2GHz	802.11a	1	5955	6Mbps	5.00	4.90
		45	6175		5.00	4.78
		93	6415		5.00	4.89
	802.11n20-HT0	1	5955	MCS0	5.00	4.97
		45	6175		5.00	4.76
		93	6415		5.00	4.75
	802.11ax20-HE0	1	5955	MCS0	5.00	4.89
		45	6175		5.00	4.85
		93	6415		5.00	4.87
	802.11n40-HT0	3	5965	MCS0	8.00	7.77
		43	6165		8.00	7.89
		91	6405		8.00	7.86
	802.11ax40-HE0	3	5965	MCS0	8.00	7.84
		43	6165		8.00	7.86
		91	6405		8.00	7.92
	802.11ac80-VHT0	7	5985	MCS0	11.00	10.77
		39	6145		11.00	10.76
		87	6385		11.00	10.86
	802.11ax80-HE0	7	5985	MCS0	11.00	10.82
		39	6145		11.00	10.85
		87	6385		11.00	10.81
	802.11ac160-VHT0	15	6025	MCS0	13.50	13.48
		47	6185		13.50	13.45
		79	6345		13.50	13.47
	802.11ax160-HE0	15	6025	MCS0	13.50	13.31
		47	6185		13.50	13.34
		79	6345		13.50	13.36

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Main						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
U-NII-6 6.5GHz	802.11a	97	6435	6Mbps	5.00	4.73
		105	6475		5.00	4.75
		113	6515		5.00	4.81
	802.11n20-HT0	97	6435	MCS0	5.00	4.84
		105	6475		5.00	4.91
		113	6515		5.00	4.87
	802.11ax20-HE0	97	6435	MCS0	5.50	5.39
		105	6475		5.50	5.38
		113	6515		5.50	5.33
	802.11n40-HT0	99	6445	MCS0	8.50	8.42
		107	6485		8.50	8.45
	802.11ax40-HE0	99	6445	MCS0	8.50	8.42
		107	6485		8.50	8.43
	802.11ac80-VHT0	103	6465	MCS0	10.50	10.35
		119	6545		10.50	10.29
	802.11ax80-HE0	103	6465	MCS0	11.00	10.78
		119	6545		11.00	10.93
	802.11ac160-VHT0	111	6505	MCS0	13.50	13.46
	802.11ax160-HE0	111	6505	MCS0	13.50	13.34

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Main						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
U-NII-7 6.7GHz	802.11a	117	6535	6Mbps	5.00	4.79
		149	6695		5.00	4.98
		181	6855		5.00	4.89
	802.11n20-HT0	117	6535	MCS0	5.00	4.88
		149	6695		5.00	4.79
		181	6855		5.00	4.81
	802.11ax20-HE0	117	6535	MCS0	5.50	5.31
		149	6695		5.50	5.36
		181	6855		5.50	5.46
	802.11n40-HT0	115	6525	MCS0	8.50	8.41
		147	6685		8.50	8.23
		179	6845		8.50	8.28
	802.11ax40-HE0	115	6525	MCS0	8.50	8.31
		147	6685		8.50	8.32
		179	6845		8.50	8.36
	802.11ac80-VHT0	135	6625	MCS0	11.00	10.87
		151	6705		11.00	10.81
		167	6785		11.00	10.74
	802.11ax80-HE0	135	6625	MCS0	11.00	10.75
		151	6705		11.00	10.80
		167	6785		11.00	10.82
	802.11ac160-VHT0	143	6665	MCS0	13.50	13.49
		175	6825		13.50	13.43
	802.11ax160-HE0	143	6665	MCS0	13.50	13.42
		175	6825		13.50	13.27

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Main						
Mode	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
U-NII-8 7.0GHz	802.11a	185	6875	6Mbps	5.00	4.86
		209	6995		5.00	4.82
		233	7115		5.00	4.92
	802.11n20-HT0	185	6875	MCS0	5.00	4.82
		209	6995		5.00	4.92
		233	7115		5.00	4.80
	802.11ax20-HE0	185	6875	MCS0	5.50	5.39
		209	6995		5.50	5.36
		233	7115		5.50	5.38
	802.11n40-HT0	187	6885	MCS0	8.50	8.40
		227	7085		8.50	8.44
	802.11ax40-HE0	187	6885	MCS0	8.50	8.39
		227	7085		8.50	8.25
	802.11ac80-VHT0	183	6865	MCS0	10.50	10.40
		199	6945		10.50	10.44
		215	7025		10.50	10.39
	802.11ax80-HE0	183	6865	MCS0	11.00	10.77
		199	6945		11.00	10.85
		215	7025		11.00	10.81
	802.11ac160-VHT0	207	6985	MCS0	13.50	13.49
	802.11ax160-HE0	207	6985	MCS0	13.50	13.33

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Aux						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
U-NII-5 6.2GHz	802.11a	1	5955	6Mbps	5.00	4.91
		45	6175		5.00	4.92
		93	6415		5.00	4.84
	802.11n20-HT0	1	5955	MCS0	5.00	4.71
		45	6175		5.00	4.76
		93	6415		5.00	4.80
	802.11ax20-HE0	1	5955	MCS0	5.00	4.82
		45	6175		5.00	4.76
		93	6415		5.00	4.87
	802.11n40-HT0	3	5965	MCS0	8.00	7.84
		43	6165		8.00	7.78
		91	6405		8.00	7.98
	802.11ax40-HE0	3	5965	MCS0	8.00	7.86
		43	6165		8.00	7.86
		91	6405		8.00	7.80
	802.11ac80-VHT0	7	5985	MCS0	11.00	10.74
		39	6145		11.00	10.84
		87	6385		11.00	10.82
	802.11ax80-HE0	7	5985	MCS0	11.00	10.77
		39	6145		11.00	10.93
		87	6385		11.00	10.74
	802.11ac160-VHT0	15	6025	MCS0	13.50	13.49
		47	6185		13.50	13.47
		79	6345		13.50	13.41
	802.11ax160-HE0	15	6025	MCS0	13.50	13.32
		47	6185		13.50	13.30
		79	6345		13.50	13.22

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Aux						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
U-NII-6 6.5GHz	802.11a	97	6435	6Mbps	5.00	4.84
		105	6475		5.00	4.91
		113	6515		5.00	4.83
	802.11n20-HT0	97	6435	MCS0	5.00	4.78
		105	6475		5.00	4.80
		113	6515		5.00	4.91
	802.11ax20-HE0	97	6435	MCS0	5.50	5.41
		105	6475		5.50	5.44
		113	6515		5.50	5.40
	802.11n40-HT0	99	6445	MCS0	8.50	8.39
		107	6485		8.50	8.30
	802.11ax40-HE0	99	6445	MCS0	8.50	8.37
		107	6485		8.50	8.28
	802.11ac80-VHT0	103	6465	MCS0	10.50	10.42
		119	6545		10.50	10.39
	802.11ax80-HE0	103	6465	MCS0	11.00	10.81
		119	6545		11.00	10.84
	802.11ac160-VHT0	111	6505	MCS0	13.50	13.48
	802.11ax160-HE0	111	6505	MCS0	13.50	13.41

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Aux						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
U-NII-7 6.7GHz	802.11a	117	6535	6Mbps	5.00	4.80
		149	6695		5.00	4.86
		181	6855		5.00	4.83
	802.11n20-HT0	117	6535	MCS0	5.00	4.90
		149	6695		5.00	4.77
		181	6855		5.00	4.90
	802.11ax20-HE0	117	6535	MCS0	5.50	5.21
		149	6695		5.50	5.41
		181	6855		5.50	5.22
	802.11n40-HT0	115	6525	MCS0	8.50	8.43
		147	6685		8.50	8.28
		179	6845		8.50	8.35
	802.11ax40-HE0	115	6525	MCS0	8.50	8.35
		147	6685		8.50	8.43
		179	6845		8.50	8.40
	802.11ac80-VHT0	135	6625	MCS0	11.00	10.84
		151	6705		11.00	10.90
		167	6785		11.00	10.87
	802.11ax80-HE0	135	6625	MCS0	11.00	10.89
		151	6705		11.00	10.82
		167	6785		11.00	10.90
	802.11ac160-VHT0	143	6665	MCS0	13.50	13.42
		175	6825		13.50	13.46
	802.11ax160-HE0	143	6665	MCS0	13.50	13.36
		175	6825		13.50	13.39

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Aux						
Mode	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
U-NII-8 7.0GHz	802.11a	185	6875	6Mbps	5.00	4.78
		209	6995		5.00	4.83
		233	7115		5.00	4.90
	802.11n20-HT0	185	6875	MCS0	5.00	4.98
		209	6995		5.00	4.87
		233	7115		5.00	4.80
	802.11ax20-HE0	185	6875	MCS0	5.50	5.27
		209	6995		5.50	5.34
		233	7115		5.50	5.41
	802.11n40-HT0	187	6885	MCS0	8.50	8.44
		227	7085		8.50	8.25
	802.11ax40-HE0	187	6885	MCS0	8.50	8.38
		227	7085		8.50	8.33
	802.11ac80-VHT0	183	6865	MCS0	10.50	10.28
		199	6945		10.50	10.36
		215	7025		10.50	10.26
	802.11ax80-HE0	183	6865	MCS0	11.00	10.85
		199	6945		11.00	10.85
		215	7025		11.00	10.91
	802.11ac160-VHT0	207	6985	MCS0	13.50	13.48
	802.11ax160-HE0	207	6985	MCS0	13.50	13.32

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6.8 Bluetooth

Mode	Channel	Frequency (MHz)	1Mbps		2Mbps		3Mbps	
			Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
BR/EDR	CH 00	2402	11.50	10.14	11.00	9.63	11.00	9.57
	CH 39	2441		10.37		9.76		9.66
	CH 78	2480		10.43		9.88		9.72

6.9 BLE

Mode	Channel	Frequency (MHz)	GFSK	
			Max. Rated Avg.Power + Max. Tolerance (dBm)	Average Output Power (dBm)
BLE_1M	CH 00	2402	10	8.76
	CH 19	2440		9.02
	CH 39	2480		9.07

Mode	Channel	Frequency (MHz)	GFSK	
			Max. Rated Avg.Power + Max. Tolerance (dBm)	Average Output Power (dBm)
BLE_2M	CH 00	2402	10	8.16
	CH 19	2440		8.22
	CH 39	2480		8.37

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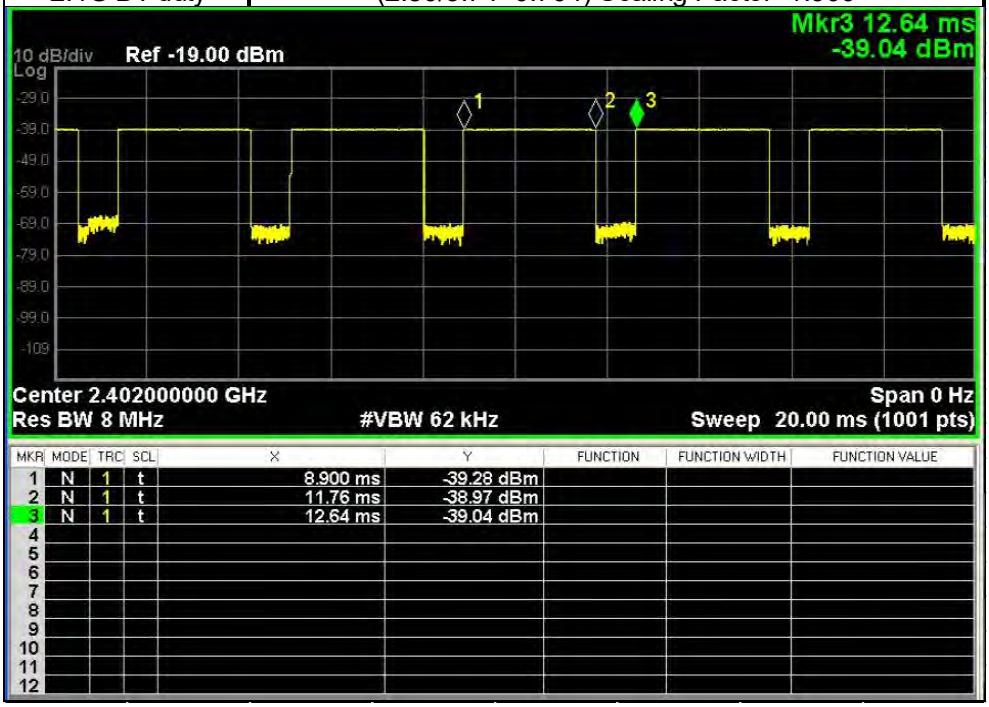
7 DUTY CYCLE

2.4G b duty	(8.22/8.40=0.978) Scaling Factor=1.022

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	5.220 ms	-32.72 dBm			
2	N	1	t	13.44 ms	-31.06 dBm			
3	N	1	t	13.62 ms	-31.55 dBm			
4								
5								
6								
7								
8								
9								
10								
11								
12								

2.4G BT duty	(2.86/3.74=0.764) Scaling Factor=1.309



MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	8.900 ms	-39.28 dBm			
2	N	1	t	11.76 ms	-38.97 dBm			
3	N	1	t	12.64 ms	-39.04 dBm			
4								
5								
6								
7								
8								
9								
10								
11								
12								

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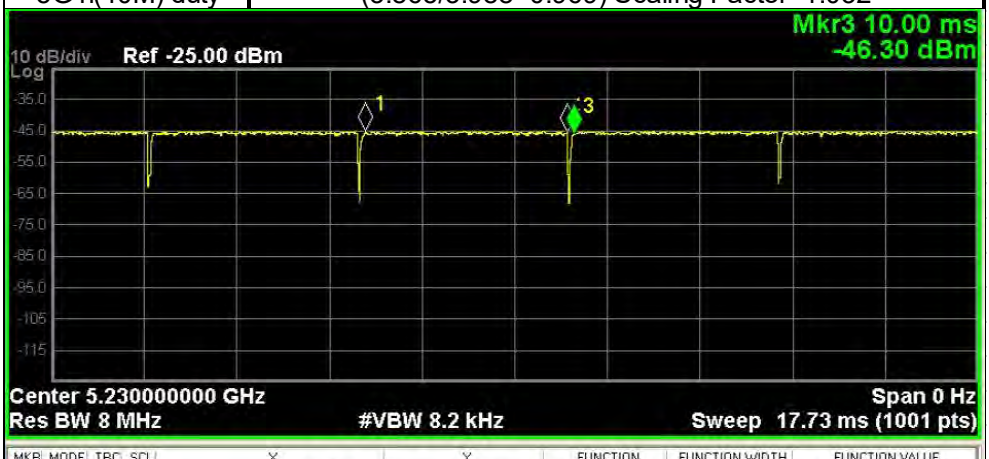
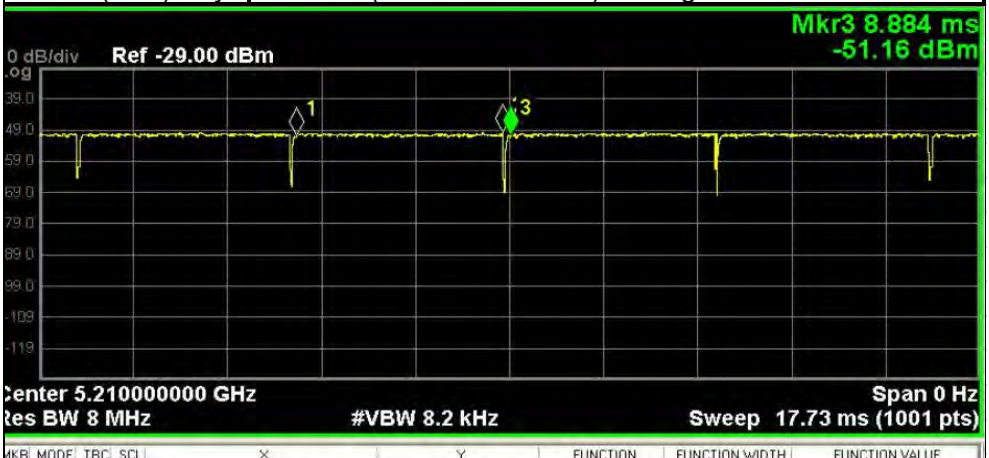
5G n(40M) duty	(3.865/3.988=0.969) Scaling Factor=1.032



MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	6.012 ms	-45.79 dBm			
2	N	1	t	9.877 ms	-45.86 dBm			
3	N	1	t	10.00 ms	-46.30 dBm			
4								
5								
6								
7								
8								
9								
10								
11								
12								

5G ac(80M) duty	(3.884/4.043=0.96) Scaling Factor=1.042



MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	4.841 ms	-51.40 dBm			
2	N	1	t	8.725 ms	-50.33 dBm			
3	N	1	t	8.884 ms	-51.16 dBm			
4								
5								
6								
7								
8								
9								
10								
11								
12								

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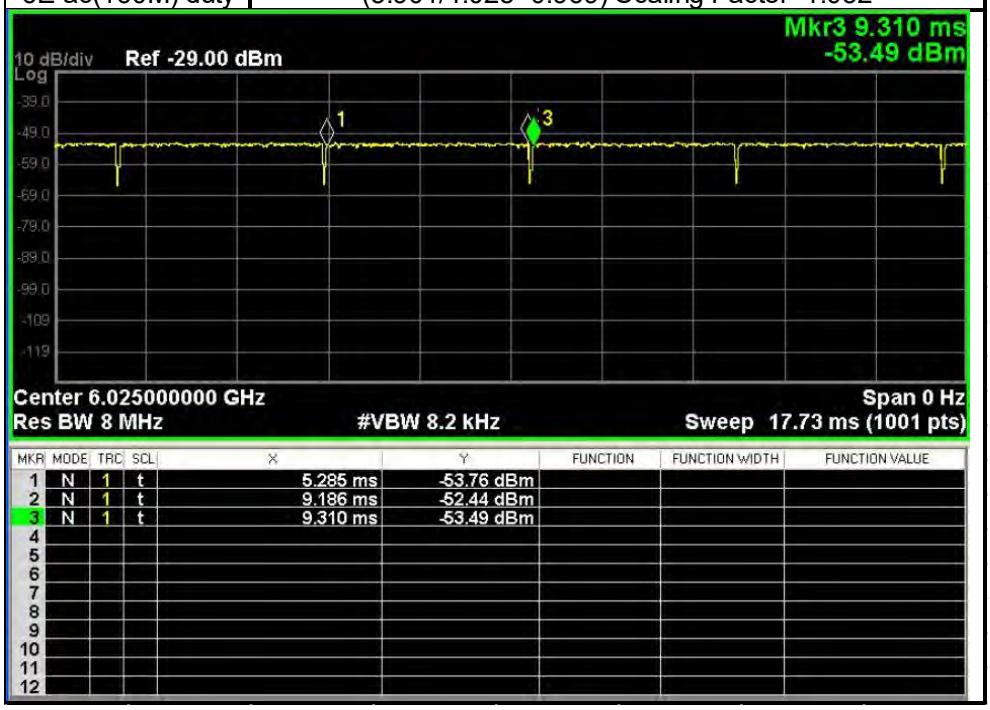
6E ac(160M) duty	(3.901/4.025=0.969) Scaling Factor=1.032



MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	5.285 ms	-53.76 dBm			
2	N	1	t	9.186 ms	-52.44 dBm			
3	N	1	t	9.310 ms	-53.49 dBm			
4								
5								
6								
7								
8								
9								
10								
11								
12								

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8 SUMMARY OF RESULTS

8.1 Decision rules

Reported measurement data comply with Test Methodology in section 1.1.
Determining compliance shall be based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

8.2 Summary of SAR Results

WWAN
Full Power

Band	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Scaling	Averaged SAR over 1g (W/kg)		Plot page
								Measured	Reported	
WCDMA Band II	Back Surface	5	9262	1852.4	24.0	23.11	122.74%	0.132	0.162	030
WCDMA Band II	Back Surface	5	9400	1880	24.0	23.17	121.06%	0.121	0.146	-
WCDMA Band II	Back Surface	5	9538	1907.6	24.0	23.31	117.22%	0.115	0.135	-
WCDMA Band II	Top Edge	10	9538	1907.6	24.0	23.31	117.22%	0.072	0.084	-
WCDMA Band II	Bottom Edge	0	9538	1907.6	24.0	23.31	117.22%	0.002	0.002	-
WCDMA Band II	Right Edge	0	9538	1907.6	24.0	23.31	117.22%	0.054	0.064	-
WCDMA Band II	Left Edge	0	9538	1907.6	24.0	23.31	117.22%	0.003	0.004	-
WCDMA Band IV	Back Surface	5	1312	1712.4	24.0	23.31	117.22%	0.231	0.271	-
WCDMA Band IV	Back Surface	5	1412	1732.4	24.0	23.29	117.76%	0.235	0.277	031
WCDMA Band IV	Back Surface	5	1513	1752.6	24.0	23.33	116.68%	0.234	0.273	-
WCDMA Band IV	Top Edge	10	1513	1752.6	24.0	23.33	116.68%	0.197	0.230	-
WCDMA Band IV	Bottom Edge	0	1513	1752.6	24.0	23.33	116.68%	0.003	0.004	-
WCDMA Band IV	Right Edge	0	1513	1752.6	24.0	23.33	116.68%	0.097	0.113	-
WCDMA Band IV	Left Edge	0	1513	1752.6	24.0	23.33	116.68%	0.004	0.005	-
WCDMA Band V	Back Surface	5	4132	826.4	24.3	23.43	122.18%	0.066	0.080	-
WCDMA Band V	Back Surface	5	4183	836.6	24.3	23.57	118.30%	0.071	0.084	-
WCDMA Band V	Back Surface	5	4233	846.6	24.3	23.61	117.22%	0.073	0.086	032
WCDMA Band V	Top Edge	10	4233	846.6	24.3	23.61	117.22%	0.036	0.042	-
WCDMA Band V	Bottom Edge	0	4233	846.6	24.3	23.61	117.22%	0.002	0.003	-
WCDMA Band V	Right Edge	0	4233	846.6	24.3	23.61	117.22%	0.019	0.023	-
WCDMA Band V	Left Edge	0	4233	846.6	24.3	23.61	117.22%	0.002	0.003	-

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Mode	Bandwidth (MHz)	Modulation	RB Size	RB start	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Scaling	Averaged SAR over 1g (W/kg)		Plot page
												Measured	Reported	
LTE Band 2	20MHz	QPSK	1	0	Back Surface	5	18700	1860	24.00	23.82	104.23%	0.336	0.350	033
LTE Band 2			1	0	Back Surface	5	18900	1880	24.00	23.79	104.95%	0.314	0.330	-
LTE Band 2			1	0	Back Surface	5	19100	1900	24.00	23.98	100.46%	0.292	0.293	-
LTE Band 2			50	0	Back Surface	5	19100	1860	23.00	22.98	100.46%	0.248	0.249	-
LTE Band 2			1	0	Top Edge	10	19100	1900	24.00	23.98	100.46%	0.173	0.174	-
LTE Band 2			50	0	Top Edge	10	19100	1860	23.00	22.98	100.46%	0.145	0.146	-
LTE Band 2			1	0	Bottom Edge	0	19100	1900	24.00	23.98	100.46%	0.003	0.003	-
LTE Band 2			50	0	Bottom Edge	0	19100	1860	23.00	22.98	100.46%	0.002	0.002	-
LTE Band 2			1	0	Right Edge	0	19100	1900	24.00	23.98	100.46%	0.135	0.136	-
LTE Band 2			50	0	Right Edge	0	19100	1860	23.00	22.98	100.46%	0.112	0.113	-
LTE Band 2			1	0	Left Edge	0	19100	1900	24.00	23.98	100.46%	0.004	0.004	-
LTE Band 2			50	0	Left Edge	0	19100	1860	23.00	22.98	100.46%	0.002	0.002	-
LTE Band 4	20MHz	QPSK	1	0	Back Surface	5	20050	1720	24.00	23.94	101.39%	0.453	0.459	-
LTE Band 4			1	0	Back Surface	5	20175	1732.5	24.00	23.82	104.23%	0.494	0.515	034
LTE Band 4			1	0	Back Surface	5	20300	1745	24.00	23.92	101.86%	0.456	0.464	-
LTE Band 4			50	0	Back Surface	5	20300	1745	23.00	22.97	100.69%	0.397	0.400	-
LTE Band 4			1	0	Top Edge	10	20050	1720	24.00	23.94	101.39%	0.447	0.453	-
LTE Band 4			50	0	Top Edge	10	20300	1745	23.00	22.97	100.69%	0.342	0.344	-
LTE Band 4			1	0	Bottom Edge	0	20050	1720	24.00	23.94	101.39%	0.005	0.005	-
LTE Band 4			50	0	Bottom Edge	0	20300	1745	23.00	22.97	100.69%	0.003	0.003	-
LTE Band 4			1	0	Right Edge	0	20050	1720	24.00	23.94	101.39%	0.220	0.223	-
LTE Band 4			50	0	Right Edge	0	20300	1745	23.00	22.97	100.69%	0.142	0.143	-
LTE Band 4			1	0	Left Edge	0	20050	1720	24.00	23.94	101.39%	0.003	0.003	-
LTE Band 4			50	0	Left Edge	0	20300	1745	23.00	22.97	100.69%	0.002	0.002	-
LTE Band 5	10MHz	QPSK	1	0	Back Surface	5	20450	829	24.30	23.73	114.02%	0.125	0.143	-
LTE Band 5			1	0	Back Surface	5	20525	836.5	24.30	23.77	112.98%	0.127	0.143	-
LTE Band 5			1	0	Back Surface	5	20600	844	24.30	23.86	110.66%	0.131	0.145	035
LTE Band 5			25	0	Back Surface	5	20600	844	23.30	22.76	113.24%	0.109	0.123	-
LTE Band 5			1	0	Top Edge	10	20600	844	24.30	23.86	110.66%	0.070	0.077	-
LTE Band 5			25	0	Top Edge	10	20600	844	23.30	22.76	113.24%	0.058	0.066	-
LTE Band 5			1	0	Bottom Edge	0	20600	844	24.30	23.86	110.66%	0.000	0.000	-
LTE Band 5			25	0	Bottom Edge	0	20600	844	23.30	22.76	113.24%	0.000	0.000	-
LTE Band 5			1	0	Right Edge	0	20600	844	24.30	23.86	110.66%	0.039	0.043	-
LTE Band 5			25	0	Right Edge	0	20600	844	23.30	22.76	113.24%	0.029	0.032	-
LTE Band 5			1	0	Left Edge	0	20600	844	24.30	23.86	110.66%	0.000	0.000	-
LTE Band 5			25	0	Left Edge	0	20600	844	23.30	22.76	113.24%	0.000	0.000	-
CA_5B			1/1	49/0	Back Surface	5	20450+20549	829+838.9	24.30	24.12	104.23%	0.124	0.129	-
LTE Band 7	20MHz	QPSK	1	0	Back Surface	5	20850	2510	23.80	23.51	106.91%	0.162	0.173	-
LTE Band 7			1	0	Back Surface	5	21100	2535	23.80	23.43	108.89%	0.170	0.185	-
LTE Band 7			1	0	Back Surface	5	21350	2560	23.80	23.52	106.66%	0.175	0.187	036
LTE Band 7			50	0	Back Surface	5	21350	2560	22.80	22.45	108.39%	0.159	0.172	-
LTE Band 7			1	0	Top Edge	10	21350	2560	23.80	23.52	106.66%	0.148	0.158	-
LTE Band 7			50	0	Top Edge	10	21350	2560	22.80	22.45	108.39%	0.124	0.134	-
LTE Band 7			1	0	Bottom Edge	0	21350	2560	23.80	23.52	106.66%	0.001	0.001	-
LTE Band 7			50	0	Bottom Edge	0	21350	2560	22.80	22.45	108.39%	0.000	0.000	-
LTE Band 7			1	0	Right Edge	0	21350	2560	23.80	23.52	106.66%	0.072	0.077	-
LTE Band 7			50	0	Right Edge	0	21350	2560	22.80	22.45	108.39%	0.054	0.059	-
LTE Band 7			1	0	Left Edge	0	21350	2560	23.80	23.52	106.66%	0.000	0.000	-
LTE Band 7			50	0	Left Edge	0	21350	2560	22.80	22.45	108.39%	0.000	0.000	-
CA_7C			1/1	99/0	Back Surface	5	20850+21048	2510+2529.8	23.80	23.69	102.57%	0.165	0.169	-
LTE Band 12	10MHz	QPSK	1	0	Back Surface	0	23060	704	24.00	23.62	109.14%	0.480	0.524	-
LTE Band 12			1	0	Back Surface	0	23095	707.5	24.00	23.53	111.43%	0.499	0.556	-
LTE Band 12			1	0	Back Surface	0	23130	711	24.00	23.74	106.17%	0.523	0.555	037
LTE Band 12			25	0	Back Surface	0	23130	711	23.00	22.63	108.89%	0.415	0.452	-
LTE Band 12			1	0	Top Edge	0	23130	711	24.00	23.74	106.17%	0.245	0.260	-
LTE Band 12			25	0	Top Edge	0	23130	711	23.00	22.63	108.89%	0.192	0.209	-
LTE Band 12			1	0	Bottom Edge	0	23130	711	24.00	23.74	106.17%	0.001	0.001	-
LTE Band 12			25	0	Bottom Edge	0	23130	711	23.00	22.63	108.89%	0.000	0.000	-
LTE Band 12			1	0	Right Edge	0	23130	711	24.00	23.74	106.17%	0.023	0.025	-
LTE Band 12			25	0	Right Edge	0	23130	711	23.00	22.63	108.89%	0.017	0.018	-
LTE Band 12			1	0	Left Edge	0	23130	711	24.00	23.74	106.17%	0.000	0.000	-
LTE Band 12			25	0	Left Edge	0	23130	711	23.00	22.63	108.89%	0.000	0.000	-
LTE Band 13	10MHz	QPSK	1	0	Back Surface	0	23230	782	24.00	23.71	106.91%	0.397	0.424	-
LTE Band 13			25	0	Back Surface	0	23230	782	23.00	22.59	109.90%	0.381	0.419	-
LTE Band 13			1	0	Top Edge	0	23230	782	24.00	23.71	106.91%	0.429	0.459	038
LTE Band 13			25	0	Top Edge	0	23230	782	23.00	22.59	109.90%	0.355	0.390	-
LTE Band 13			1	0	Bottom Edge	0	23230	782	24.00	23.71	106.91%	0.001	0.001	-
LTE Band 13			25	0	Bottom Edge	0	23230	782	23.00	22.59	109.90%	0.000	0.000	-
LTE Band 13			1	0	Right Edge	0	23230	782	24.00	23.71	106.91%	0.032	0.034	-
LTE Band 13			25	0	Right Edge	0	23230	782	23.00	22.59	109.90%	0.026	0.029	-
LTE Band 13			1	0	Left Edge	0	23230	782	24.00	23.71	106.91%	0.001	0.001	-
LTE Band 13			25	0	Left Edge	0	23230	782	23.00	22.59	109.90%	0.000	0.000	-
LTE Band 14	10MHz	QPSK	1	0	Back Surface	5	23330	793	24.00	23.72	106.66%	0.118	0.126	039
LTE Band 14			25	0	Back Surface	5	23330	793	23.00	22.73	106.41%	0.102	0.109	-
LTE Band 14			1	0	Top Edge	10	23330	793	24.00	23.72	106.66%	0.046	0.049	-
LTE Band 14			25	0	Top Edge	10	23330	793	23.00	22.73	106.41%	0.045	0.048	-
LTE Band 14			1	0	Bottom Edge	0	23330	793	24.00	23.72	106.66%	0.000	0.000	-
LTE Band 14			25	0	Bottom Edge	0	23330	793	23.00	22.73	106.41%	0.000	0.000	-
LTE Band 14			1	0	Right Edge	0	23330	793	24.00	23.72	106.66%	0.036	0.039	-
LTE Band 14			25	0	Right Edge	0	23330	793	23.00	22.73	106.41%	0.027	0.028	-
LTE Band 14			1	0	Left Edge	0	23330	793	24.00	23.72	106.66%	0.000	0.000	-
LTE Band 14			25	0	Left Edge	0	23330	793	23.00	22.73	106.41%	0.000	0.000	-
LTE Band 25	20MHz	QPSK	1	0	Back Surface	5	26140	1860	24.00	23.81	104.47%	0.298	0.311	-
LTE Band 25			1	0	Back Surface	5	26365	1882.5	24.00	23.98	100.46%	0.318	0.319	040
LTE Band 25			1	0	Back Surface	5	26590	1905	24.00	23.92	101.86%	0.265	0.270	-
LTE Band 25			50	0	Back Surface	5	26590	1905	23.00	22.96	100.93%	0.212	0.214	-
LTE Band 25			1	0	Top Edge	10	26365	1882.5	24.00	23.98	100.46%	0.207	0.208	-
LTE Band 25			50	0	Top Edge	10	26590	1905	23.00	22.96	100.93%	0.157	0.158	-
LTE Band 25			1	0	Bottom Edge	0	26365	1882.5	24.00	23.98	100.46%	0.004	0.004	-
LTE Band 25			50	0	Bottom Edge	0	26590	1905	23.00	22.96	100.93%	0.003	0.003	-
LTE Band 25			1	0	Right Edge	0	26365	1882.5	24.00	23.98	100.46%	0.138	0.139	-
LTE Band 25			50	0	Right Edge	0	26590	1905	23.00	22.96	100.93%	0.097	0.098	-
LTE Band 25			1	0	Left Edge	0	26365	1882.5	24.00	23.98	100.46%	0.002	0.002	-
LTE Band 25			50	0	Left Edge	0	26590	1905	23.00	22.96	100.93%	0.001	0.001	-

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Mode	Bandwidth (MHz)	Modulation	RB Size	RB start	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Scaling	Averaged SAR over 1g (W/kg)		Plot page
												Measured	Reported	
LTE Band 26_FCC	15MHz	QPSK	1	0	Back Surface	5	26765	821.5	24.00	23.71	106.91%	0.120	0.128	-
LTE Band 26_FCC			1	0	Back Surface	5	26865	831.5	24.00	23.72	106.66%	0.125	0.133	-
LTE Band 26_FCC			1	0	Back Surface	5	26965	841.5	24.00	23.81	104.47%	0.129	0.135	041
LTE Band 26_FCC			36	0	Back Surface	5	26965	841.5	23.00	22.74	106.17%	0.110	0.117	-
LTE Band 26_FCC			1	0	Top Edge	10	26965	841.5	24.00	23.81	104.47%	0.071	0.074	-
LTE Band 26_FCC			36	0	Top Edge	10	26965	841.5	23.00	22.74	106.17%	0.065	0.069	-
LTE Band 26_FCC			1	0	Bottom Edge	0	26965	841.5	24.00	23.81	104.47%	0.000	0.000	-
LTE Band 26_FCC			36	0	Bottom Edge	0	26965	841.5	23.00	22.74	106.17%	0.000	0.000	-
LTE Band 26_FCC			1	0	Right Edge	0	26965	841.5	24.00	23.81	104.47%	0.031	0.032	-
LTE Band 26_FCC			36	0	Right Edge	0	26965	841.5	23.00	22.74	106.17%	0.027	0.028	-
LTE Band 26_FCC			1	0	Left Edge	0	26965	841.5	24.00	23.81	104.47%	0.000	0.000	-
LTE Band 26_FCC			36	0	Left Edge	0	26965	841.5	23.00	22.74	106.17%	0.000	0.000	-
LTE Band 66	20MHz	QPSK	1	0	Back Surface	5	132322	1745	24.00	23.72	106.66%	0.415	0.443	-
LTE Band 66			50	0	Back Surface	5	132322	1745	23.00	22.68	107.65%	0.365	0.393	-
LTE Band 66			1	0	Top Edge	10	132072	1720	24.00	23.51	111.94%	0.459	0.514	042
LTE Band 66			1	0	Top Edge	10	132322	1745	24.00	23.72	106.66%	0.440	0.469	-
LTE Band 66			1	0	Top Edge	10	132572	1770	24.00	23.64	108.64%	0.379	0.412	-
LTE Band 66			50	0	Top Edge	10	132322	1745	23.00	22.68	107.65%	0.353	0.380	-
LTE Band 66			1	0	Bottom Edge	0	132322	1745	24.00	23.72	106.66%	0.004	0.005	-
LTE Band 66			50	0	Bottom Edge	0	132322	1745	23.00	22.68	107.65%	0.003	0.003	-
LTE Band 66			1	0	Right Edge	0	132322	1745	24.00	23.72	106.66%	0.225	0.240	-
LTE Band 66			50	0	Right Edge	0	132322	1745	23.00	22.68	107.65%	0.171	0.184	-
LTE Band 66			1	0	Left Edge	0	132322	1745	24.00	23.72	106.66%	0.003	0.003	-
LTE Band 66			50	0	Left Edge	0	132322	1745	23.00	22.68	107.65%	0.002	0.002	-
LTE Band 71	20MHz	QPSK	1	0	Back Surface	0	133222	673	24.00	23.84	103.75%	0.300	0.311	-
LTE Band 71			1	0	Back Surface	0	133297	680.5	24.00	23.79	104.95%	0.432	0.453	-
LTE Band 71			1	0	Back Surface	0	133372	688	24.00	23.78	105.20%	0.474	0.499	043
LTE Band 71			50	0	Back Surface	0	133372	688	23.00	22.82	104.23%	0.392	0.409	-
LTE Band 71			1	0	Top Edge	0	133222	673	24.00	23.84	103.75%	0.204	0.212	-
LTE Band 71			50	0	Top Edge	0	133372	688	23.00	22.82	104.23%	0.142	0.148	-
LTE Band 71			1	0	Bottom Edge	0	133222	673	24.00	23.84	103.75%	0.001	0.001	-
LTE Band 71			50	0	Bottom Edge	0	133372	688	23.00	22.82	104.23%	0.000	0.000	-
LTE Band 71			1	0	Right Edge	0	133222	673	24.00	23.84	103.75%	0.010	0.011	-
LTE Band 71			50	0	Right Edge	0	133372	688	23.00	22.82	104.23%	0.009	0.010	-
LTE Band 71			1	0	Left Edge	0	133222	673	24.00	23.84	103.75%	0.000	0.000	-
LTE Band 71			50	0	Left Edge	0	133372	688	23.00	22.82	104.23%	0.000	0.000	-
LTE Band 41	20MHz	QPSK	1	0	Back Surface	5	39750	2506	23.80	23.52	106.66%	0.102	0.109	-
LTE Band 41			1	0	Back Surface	5	40185	2549.5	23.80	23.64	103.75%	0.112	0.116	-
LTE Band 41			1	0	Back Surface	5	40620	2593	23.80	23.61	104.47%	0.139	0.145	-
LTE Band 41			1	0	Back Surface	5	41055	2636.5	23.80	23.59	104.95%	0.165	0.173	044
LTE Band 41			1	0	Back Surface	5	41490	2680	23.80	23.53	106.41%	0.156	0.166	-
LTE Band 41			50	0	Back Surface	5	40185	2549.5	22.80	22.66	103.28%	0.095	0.098	-
LTE Band 41			1	0	Top Edge	10	40185	2549.5	23.80	23.64	103.75%	0.089	0.092	-
LTE Band 41			50	0	Top Edge	10	40185	2549.5	22.80	22.66	103.28%	0.069	0.071	-
LTE Band 41			1	0	Bottom Edge	0	40185	2549.5	23.80	23.64	103.75%	0.008	0.008	-
LTE Band 41			50	0	Bottom Edge	0	40185	2549.5	22.80	22.66	103.28%	0.005	0.006	-
LTE Band 41			1	0	Right Edge	0	40185	2549.5	23.80	23.64	103.75%	0.029	0.030	-
LTE Band 41			50	0	Right Edge	0	40185	2549.5	22.80	22.66	103.28%	0.021	0.022	-
LTE Band 41			1	0	Left Edge	0	40185	2549.5	23.80	23.64	103.75%	0.008	0.008	-
LTE Band 41			50	0	Left Edge	0	40185	2549.5	22.80	22.66	103.28%	0.006	0.007	-
CA_41C			1/1	99/0	Back Surface	5	39750+39948	2506+2525.8	23.80	23.71	102.09%	0.154	0.157	-
LTE Band 42	20MHz	QPSK	1	0	Back Surface	0	41690	3410	23.80	23.79	100.23%	0.286	0.287	-
LTE Band 42			1	0	Back Surface	0	42590	3500	23.80	23.66	103.28%	0.314	0.324	-
LTE Band 42			1	0	Back Surface	0	43490	3590	23.80	23.72	101.86%	0.725	0.738	045
LTE Band 42			50	0	Back Surface	0	41690	3410	22.80	22.77	100.69%	0.227	0.229	-
LTE Band 42			1	0	Top Edge	0	41690	3410	23.80	23.79	100.23%	0.279	0.280	-
LTE Band 42			50	0	Top Edge	0	41690	3410	22.80	22.77	100.69%	0.219	0.221	-
LTE Band 42			1	0	Bottom Edge	0	41690	3410	23.80	23.79	100.23%	0.008	0.008	-
LTE Band 42			50	0	Bottom Edge	0	41690	3410	22.80	22.77	100.69%	0.006	0.006	-
LTE Band 42			1	0	Right Edge	0	41690	3410	23.80	23.79	100.23%	0.008	0.008	-
LTE Band 42			50	0	Right Edge	0	41690	3410	22.80	22.77	100.69%	0.007	0.007	-
LTE Band 42			1	0	Left Edge	0	41690	3410	23.80	23.79	100.23%	0.004	0.004	-
LTE Band 42			50	0	Left Edge	0	41690	3410	22.80	22.77	100.69%	0.004	0.004	-
CA_42C			1/1	99/0	Back Surface	5	41690+41888	3429.8	23.80	23.69	102.57%	0.712	0.730	-
LTE Band 43	20MHz	QPSK	1	0	Back Surface	5	43690	3610	23.80	23.72	101.86%	0.268	0.273	-
LTE Band 43			1	0	Back Surface	5	44590	3700	23.80	23.79	100.23%	0.346	0.347	046
LTE Band 43			1	0	Back Surface	5	45490	3790	23.80	23.77	100.69%	0.333	0.335	-
LTE Band 43			50	0	Back Surface	5	45490	3790	22.80	22.76	100.93%	0.257	0.259	-
LTE Band 43			1	0	Top Edge	10	44590	3700	23.80	23.79	100.23%	0.255	0.256	-
LTE Band 43			50	0	Top Edge	10	45490	3790	22.80	22.76	100.93%	0.217	0.219	-
LTE Band 43			1	0	Bottom Edge	0	44590	3700	23.80	23.79	100.23%	0.001	0.001	-
LTE Band 43			50	0	Bottom Edge	0	45490	3790	22.80	22.76	100.93%	0.000	0.000	-
LTE Band 43			1	0	Right Edge	0	44590	3700	23.80	23.79	100.23%	0.037	0.037	-
LTE Band 43			50	0	Right Edge	0	45490	3790	22.80	22.76	100.93%	0.029	0.029	-
LTE Band 43			1	0	Left Edge	0	44590	3700	23.80	23.79	100.23%	0.001	0.001	-
LTE Band 43			50	0	Left Edge	0	45490	3790	22.80	22.76	100.93%	0.000	0.000	-
CA_43C			1/1	99/0	Back Surface	5	43690+43888	3610+3629.8	23.80	23.71	102.09%	0.328	0.335	-
LTE Band 48	20MHz	QPSK	1	0	Back Surface	5	55340	3560	23.80	23.55	105.93%	0.132	0.140	-
LTE Band 48			1	0	Back Surface	5	55830	3609	23.80	23.71	102.09%	0.269	0.275	-
LTE Band 48			1	0	Back Surface	5	56150	3641	23.80	23.78	100.46%	0.327	0.329	-
LTE Band 48			1	0	Back Surface	5	56640	3690	23.80	23.61	104.47%	0.350	0.366	047
LTE Band 48			50	0	Back Surface	5	56150	3641	22.80	22.73	101.62%	0.164	0.167	-
LTE Band 48			1	0	Top Edge	10	56150	3641	23.80	23.78	100.46%	0.199	0.200	-
LTE Band 48			50	0	Top Edge	10	56150	3641	22.80	22.73	101.62%	0.100	0.102	-
LTE Band 48			1	0	Bottom Edge	0	56150	3641	23.80	23.78	100.46%	0.000	0.000	-
LTE Band 48			50	0	Bottom Edge	0	56150	3641	22.80	22.73	101.62%	0.000	0.000	-
LTE Band 48			1	0	Right Edge	0	56150	3641	23.80	23.78	100.46%	0.031	0.031	-
LTE Band 48			50	0	Right Edge	0	56150	3641	22.80	22.73	101.62%	0.015	0.015	-
LTE Band 48			1	0	Left Edge	0	56150	3641	23.80	23.78	100.46%	0.000	0.000	-
LTE Band 48			50	0	Left Edge	0	56150	3641	22.80	22.73	101.62%	0.000	0.000	-
CA_48C			1/1	99/0	Back Surface	5	55340+55538	3560+3579.8	23.80	23.70	102.33%	0.335	0.343	-

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Down Power

Band	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Scaling	Averaged SAR over 1g (W/kg)		Plot page
								Measured	Reported	
WCDMA Band II	Back Surface	0	9538	1907.6	20.0	19.79	104.95%	0.384	0.403	-
WCDMA Band II	Top Edge	0	9262	1852.4	20.0	19.58	110.15%	0.419	0.462	-
WCDMA Band II	Top Edge	0	9400	1880	20.0	19.65	108.39%	0.432	0.468	-
WCDMA Band II	Top Edge	0	9538	1907.6	20.0	19.79	104.95%	0.451	0.473	048
WCDMA Band IV	Back Surface	0	1312	1712.4	20.5	20.33	103.99%	0.544	0.566	-
WCDMA Band IV	Back Surface	0	1412	1732.4	20.5	20.35	103.51%	0.609	0.630	049
WCDMA Band IV	Back Surface	0	1513	1752.6	20.5	20.29	104.95%	0.576	0.605	-
WCDMA Band IV	Top Edge	0	1412	1732.4	20.5	20.35	103.51%	0.517	0.535	-
WCDMA Band V	Back Surface	0	4233	846.6	21.0	20.86	103.28%	0.247	0.255	-
WCDMA Band V	Top Edge	0	4132	826.4	21.0	20.73	106.41%	0.381	0.405	-
WCDMA Band V	Top Edge	0	4183	836.6	21.0	20.83	103.99%	0.372	0.387	-
WCDMA Band V	Top Edge	0	4233	846.6	21.0	20.86	103.28%	0.398	0.411	050

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Mode	Bandwidth (MHz)	Modulation	RB Size	RB start	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Scaling	Averaged SAR over 1g (W/kg)		Plot page
												Measured	Reported	
LTE Band 2	20MHz	QPSK	1	0	Back Surface	0	19100	1900	20.00	19.72	106.66%	0.380	0.405	-
LTE Band 2			50	0	Back Surface	0	19100	1860	20.00	19.59	109.90%	0.370	0.407	-
LTE Band 2			1	0	Top Edge	0	18700	1860	20.00	19.31	117.22%	0.381	0.447	-
LTE Band 2			1	0	Top Edge	0	18900	1880	20.00	19.55	110.92%	0.388	0.430	-
LTE Band 2			1	0	Top Edge	0	19100	1900	20.00	19.72	106.66%	0.429	0.458	051
LTE Band 2			50	0	Top Edge	0	19100	1860	20.00	19.59	109.90%	0.409	0.449	-
LTE Band 4	20MHz	QPSK	1	0	Back Surface	0	20050	1720	20.50	20.49	100.23%	0.605	0.606	-
LTE Band 4			1	0	Back Surface	0	20175	1732.5	20.50	20.47	100.69%	0.623	0.627	-
LTE Band 4			1	0	Back Surface	0	20300	1745	20.50	20.41	102.09%	0.644	0.657	052
LTE Band 4			50	0	Back Surface	0	20175	1732.5	20.50	20.38	102.80%	0.584	0.600	-
LTE Band 4			1	0	Top Edge	0	20050	1720	20.50	20.49	100.23%	0.516	0.517	-
LTE Band 4			50	0	Top Edge	0	20175	1732.5	20.50	20.38	102.80%	0.515	0.529	-
LTE Band 5	10MHz	QPSK	1	0	Back Surface	0	20600	844	21.00	20.83	103.99%	0.240	0.250	-
LTE Band 5			25	0	Back Surface	0	20600	844	21.00	20.72	106.66%	0.245	0.261	-
LTE Band 5			1	0	Top Edge	0	20450	829	21.00	20.66	108.14%	0.343	0.371	-
LTE Band 5			1	0	Top Edge	0	20525	836.5	21.00	20.77	105.44%	0.248	0.261	-
LTE Band 5			1	0	Top Edge	0	20600	844	21.00	20.83	103.99%	0.372	0.387	053
LTE Band 5			25	0	Top Edge	0	20600	844	21.00	20.72	106.66%	0.360	0.384	-
CA_5B			1/1	49/0	Top Edge	0	20450+20549	829+838.9	21.00	20.87	103.04%	0.358	0.369	-
LTE Band 7	20MHz	QPSK	1	0	Back Surface	0	21350	2560	19.50	19.49	100.23%	0.317	0.318	-
LTE Band 7			50	0	Back Surface	0	20850	2510	19.50	19.33	103.99%	0.315	0.328	-
LTE Band 7			1	0	Top Edge	0	20850	2510	19.50	19.48	100.46%	0.404	0.406	-
LTE Band 7			1	0	Top Edge	0	21100	2535	19.50	19.41	102.09%	0.423	0.432	-
LTE Band 7			1	0	Top Edge	0	21350	2560	19.50	19.49	100.23%	0.500	0.501	054
LTE Band 7			50	0	Top Edge	0	20850	2510	19.50	19.33	103.99%	0.438	0.455	-
CA_7C			1/1	99/0	Top Edge	0	20850+21048	2510+2529.8	19.50	19.41	102.09%	0.472	0.482	-
LTE Band 14	10MHz	QPSK	1	0	Back Surface	0	23330	793	22.00	21.88	102.80%	0.287	0.295	-
LTE Band 14			25	0	Back Surface	0	23330	793	22.00	21.77	105.44%	0.282	0.297	-
LTE Band 14			1	0	Top Edge	0	23330	793	22.00	21.88	102.80%	0.347	0.357	055
LTE Band 14			25	0	Top Edge	0	23330	793	22.00	21.77	105.44%	0.343	0.362	-
LTE Band 25	20MHz	QPSK	1	0	Back Surface	0	26590	1905	20.00	19.86	103.28%	0.388	0.401	-
LTE Band 25			50	0	Back Surface	0	26590	1905	20.00	19.79	104.95%	0.390	0.409	-
LTE Band 25			1	0	Top Edge	0	26140	1860	20.00	19.61	109.40%	0.390	0.427	-
LTE Band 25			1	0	Top Edge	0	26365	1882.5	20.00	19.66	108.14%	0.398	0.430	-
LTE Band 25			1	0	Top Edge	0	26590	1905	20.00	19.86	103.28%	0.452	0.467	056
LTE Band 25			50	0	Top Edge	0	26590	1905	20.00	19.79	104.95%	0.441	0.463	-
LTE Band 26_FCC	15MHz	QPSK	1	0	Back Surface	0	26965	841.5	21.00	20.82	104.23%	0.262	0.273	-
LTE Band 26_FCC			36	0	Back Surface	0	26965	841.5	21.00	20.72	106.66%	0.249	0.266	-
LTE Band 26_FCC			1	0	Top Edge	0	26765	821.5	21.00	20.72	106.66%	0.307	0.327	-
LTE Band 26_FCC			1	0	Top Edge	0	26865	831.5	21.00	20.74	106.17%	0.341	0.362	-
LTE Band 26_FCC			1	0	Top Edge	0	26965	841.5	21.00	20.82	104.23%	0.378	0.394	057
LTE Band 26_FCC			36	0	Top Edge	0	26965	841.5	21.00	20.72	106.66%	0.368	0.393	-
LTE Band 66	20MHz	QPSK	1	0	Back Surface	0	132072	1720	20.50	20.31	104.47%	0.590	0.616	-
LTE Band 66			1	0	Back Surface	0	132322	1745	20.50	20.39	102.57%	0.631	0.647	058
LTE Band 66			1	0	Back Surface	0	132572	1770	20.50	20.45	101.16%	0.606	0.613	-
LTE Band 66			50	0	Back Surface	0	132572	1770	20.50	20.32	104.23%	0.576	0.600	-
LTE Band 66			1	0	Top Edge	0	132572	1770	20.50	20.45	101.16%	0.548	0.554	-
LTE Band 66			50	0	Top Edge	0	132572	1770	20.50	20.32	104.23%	0.521	0.543	-
LTE Band 41	20MHz	QPSK	1	0	Back Surface	0	41490	2680	20.00	19.84	103.75%	0.188	0.195	-
LTE Band 41			50	0	Back Surface	0	40620	2593	20.00	19.76	105.68%	0.173	0.183	-
LTE Band 41			1	0	Top Edge	0	39750	2506	20.00	19.81	104.47%	0.175	0.183	-
LTE Band 41			1	0	Top Edge	0	40185	2549.5	20.00	19.79	104.95%	0.191	0.200	-
LTE Band 41			1	0	Top Edge	0	40620	2593	20.00	19.82	104.23%	0.212	0.221	-
LTE Band 41			1	0	Top Edge	0	41055	2636.5	20.00	19.76	105.68%	0.245	0.259	-
LTE Band 41			1	0	Top Edge	0	41490	2680	20.00	19.84	103.75%	0.291	0.302	059
LTE Band 41			50	0	Top Edge	0	40620	2593	20.00	19.76	105.68%	0.218	0.230	-
CA_41C			1/1	99/0	Top Edge	0	39750+39948	2506+2525.8	20.00	19.83	103.99%	0.275	0.286	-
LTE Band 43	20MHz	QPSK	1	0	Back Surface	0	45490	3790	21.00	20.78	105.20%	0.429	0.451	-
LTE Band 43			50	0	Back Surface	0	45490	3790	21.00	20.68	107.65%	0.398	0.428	-
LTE Band 43			1	0	Top Edge	0	43690	3610	21.00	20.71	106.91%	0.271	0.290	-
LTE Band 43			1	0	Top Edge	0	44590	3700	21.00	20.76	105.68%	0.412	0.435	-
LTE Band 43			1	0	Top Edge	0	45490	3790	21.00	20.78	105.20%	0.456	0.480	060
LTE Band 43			50	0	Top Edge	0	45490	3790	21.00	20.68	107.65%	0.432	0.465	-
CA_43C			1/1	99/0	Top Edge	0	43690+43888	3610+3629.8	21.00	20.91	102.09%	0.439	0.448	-
LTE Band 48	20MHz	QPSK	1	0	Back Surface	0	55340	3560	22.00	21.65	108.39%	0.367	0.398	-
LTE Band 48			1	0	Back Surface	0	55830	3609	22.00	21.71	106.91%	0.549	0.587	-
LTE Band 48			1	0	Back Surface	0	56150	3641	22.00	21.80	104.71%	0.628	0.658	061
LTE Band 48			1	0	Back Surface	0	56640	3690	22.00	21.74	106.17%	0.619	0.657	-
LTE Band 48			50	0	Back Surface	0	56150	3641	22.00	21.67	107.89%	0.594	0.641	-
LTE Band 48			1	0	Top Edge	0	56150	3641	22.00	21.80	104.71%	0.445	0.466	-
LTE Band 48			50	0	Top Edge	0	56150	3641	22.00	21.67	107.89%	0.421	0.454	-
CA_48C			1/1	99/0	Back Surface	0	55340+55538	3560+3579.8	22.00	21.87	103.04%	0.612	0.631	-

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WLAN

Mode	Antenna	Position	Distance (mm)	CH	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		ID
										Measured	Reported	
WLAN 802.11b	Main	Back Surface	0	6	2437	21.00	20.98	1.022	100.46%	0.016	0.016	-
WLAN 802.11b	Main	Top Edge	0	6	2437	21.00	20.98	1.022	100.46%	0.004	0.004	-
WLAN 802.11b	Main	Bottom Edge	0	6	2437	21.00	20.98	1.022	100.46%	0.001	0.001	-
WLAN 802.11b	Main	Right Edge	0	1	2412	21.00	20.96	1.022	100.93%	0.061	0.063	-
WLAN 802.11b	Main	Right Edge	0	6	2437	21.00	20.98	1.022	100.46%	0.062	0.063	001
WLAN 802.11b	Main	Right Edge	0	11	2462	21.00	20.97	1.022	100.69%	0.057	0.058	-
WLAN 802.11b	Main	Left Edge	0	6	2437	21.00	20.98	1.022	100.46%	0.001	0.001	-

Mode	Antenna	Position	Distance (mm)	CH	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		ID
										Measured	Reported	
WLAN 802.11n(40M) 5.2G	Main	Back Surface	0	46	5230	21.00	20.98	1.032	100.46%	0.332	0.344	-
WLAN 802.11n(40M) 5.2G	Main	Top Edge	0	46	5230	21.00	20.98	1.032	100.46%	0.042	0.043	-
WLAN 802.11n(40M) 5.2G	Main	Bottom Edge	0	46	5230	21.00	20.98	1.032	100.46%	0.015	0.016	-
WLAN 802.11n(40M) 5.2G	Main	Right Edge	0	38	5190	18.25	18.17	1.032	101.86%	0.523	0.550	-
WLAN 802.11n(40M) 5.2G	Main	Right Edge	0	46	5230	21.00	20.98	1.032	100.46%	1.100	1.140	002
WLAN 802.11n(40M) 5.2G	Main	Right Edge*	0	46	5230	21.00	20.98	1.032	100.46%	1.080	1.120	-
WLAN 802.11n(40M) 5.2G	Main	Left Edge	0	46	5230	21.00	20.98	1.032	100.46%	0.011	0.011	-

Mode	Antenna	Position	Distance (mm)	CH	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		ID
										Measured	Reported	
WLAN 802.11n(40M) 5.3G	Main	Back Surface	0	54	5270	21.00	20.98	1.032	100.46%	0.364	0.377	-
WLAN 802.11n(40M) 5.3G	Main	Top Edge	0	54	5270	21.00	20.98	1.032	100.46%	0.048	0.050	-
WLAN 802.11n(40M) 5.3G	Main	Bottom Edge	0	54	5270	21.00	20.98	1.032	100.46%	0.012	0.013	-
WLAN 802.11n(40M) 5.3G	Main	Right Edge	0	54	5270	21.00	20.98	1.032	100.46%	1.030	1.068	003
WLAN 802.11n(40M) 5.3G	Main	Right Edge	0	62	5310	16.50	16.49	1.032	100.23%	0.336	0.348	-
WLAN 802.11n(40M) 5.3G	Main	Right Edge*	0	54	5270	21.00	20.98	1.032	100.46%	1.010	1.047	-
WLAN 802.11n(40M) 5.3G	Main	Left Edge	0	54	5270	21.00	20.98	1.032	100.46%	0.002	0.002	-

Mode	Antenna	Position	Distance (mm)	CH	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		ID
										Measured	Reported	
WLAN 802.11ac(80M) 5.6G	Main	Back Surface	0	138	5690	21.00	20.99	1.042	100.23%	0.325	0.339	-
WLAN 802.11ac(80M) 5.6G	Main	Top Edge	0	138	5690	21.00	20.99	1.042	100.23%	0.053	0.055	-
WLAN 802.11ac(80M) 5.6G	Main	Bottom Edge	0	138	5690	21.00	20.99	1.042	100.23%	0.009	0.010	-
WLAN 802.11ac(80M) 5.6G	Main	Right Edge	0	138	5690	21.00	20.99	1.042	100.23%	0.641	0.669	004
WLAN 802.11ac(80M) 5.6G	Main	Left Edge	0	138	5690	21.00	20.99	1.042	100.23%	0.001	0.001	-

Mode	Antenna	Position	Distance (mm)	CH	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		ID
										Measured	Reported	
WLAN 802.11n(40M) 5.8G	Main	Back Surface	0	151	5755	21.00	20.98	1.032	100.46%	0.267	0.277	-
WLAN 802.11n(40M) 5.8G	Main	Top Edge	0	151	5755	21.00	20.98	1.032	100.46%	0.039	0.040	-
WLAN 802.11n(40M) 5.8G	Main	Bottom Edge	0	151	5755	21.00	20.98	1.032	100.46%	0.008	0.008	-
WLAN 802.11n(40M) 5.8G	Main	Right Edge	0	151	5755	21.00	20.98	1.032	100.46%	0.487	0.505	005
WLAN 802.11n(40M) 5.8G	Main	Left Edge	0	151	5755	21.00	20.98	1.032	100.46%	0.005	0.005	-

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Mode	Antenna	Position	Distance (mm)	CH	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		ID
										Measured	Reported	
WLAN 802.11b	Aux	Back Surface	0	6	2437	21.00	20.99	1.022	100.23%	0.015	0.015	-
WLAN 802.11b	Aux	Top Edge	0	1	2412	21.00	20.97	1.022	100.69%	0.133	0.137	006
WLAN 802.11b	Aux	Top Edge	0	6	2437	21.00	20.99	1.022	100.23%	0.114	0.117	-
WLAN 802.11b	Aux	Top Edge	0	11	2462	21.00	20.98	1.022	100.46%	0.103	0.106	-
WLAN 802.11b	Aux	Bottom Edge	0	6	2437	21.00	20.99	1.022	100.23%	0.003	0.003	-
WLAN 802.11b	Aux	Right Edge	0	6	2437	21.00	20.99	1.022	100.23%	0.001	0.001	-
WLAN 802.11b	Aux	Left Edge	0	6	2437	21.00	20.99	1.022	100.23%	0.002	0.002	-

Mode	Antenna	Position	Distance (mm)	CH	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		ID
										Measured	Reported	
Bluetooth(GFSK)	Aux	Back Surface	0	78	2480	11.50	10.43	1.309	127.94%	0.005	0.008	-
Bluetooth(GFSK)	Aux	Top Edge	0	78	2480	11.50	10.43	1.309	127.94%	0.022	0.037	007
Bluetooth(GFSK)	Aux	Bottom Edge	0	78	2480	11.50	10.43	1.309	127.94%	0.000	0.000	-
Bluetooth(GFSK)	Aux	Right Edge	0	78	2480	11.50	10.43	1.309	127.94%	0.000	0.000	-
Bluetooth(GFSK)	Aux	Left Edge	0	78	2480	11.50	10.43	1.309	127.94%	0.001	0.002	-

Mode	Antenna	Position	Distance (mm)	CH	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		ID
										Measured	Reported	
WLAN 802.11n(40M) 5.2G	Aux	Back Surface	0	46	5230	21.00	20.97	1.032	100.69%	0.058	0.060	-
WLAN 802.11n(40M) 5.2G	Aux	Top Edge	0	46	5230	21.00	20.97	1.032	100.69%	0.271	0.282	008
WLAN 802.11n(40M) 5.2G	Aux	Bottom Edge	0	46	5230	21.00	20.97	1.032	100.69%	0.004	0.004	-
WLAN 802.11n(40M) 5.2G	Aux	Right Edge	0	46	5230	21.00	20.97	1.032	100.69%	0.008	0.008	-
WLAN 802.11n(40M) 5.2G	Aux	Left Edge	0	46	5230	21.00	20.97	1.032	100.69%	0.001	0.001	-

Mode	Antenna	Position	Distance (mm)	CH	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		ID
										Measured	Reported	
WLAN 802.11n(40M) 5.3G	Aux	Back Surface	0	54	5270	21.00	20.98	1.032	100.46%	0.053	0.055	-
WLAN 802.11n(40M) 5.3G	Aux	Top Edge	0	54	5270	21.00	20.98	1.032	100.46%	0.242	0.251	009
WLAN 802.11n(40M) 5.3G	Aux	Bottom Edge	0	54	5270	21.00	20.98	1.032	100.46%	0.007	0.008	-
WLAN 802.11n(40M) 5.3G	Aux	Right Edge	0	54	5270	21.00	20.98	1.032	100.46%	0.011	0.011	-
WLAN 802.11n(40M) 5.3G	Aux	Left Edge	0	54	5270	21.00	20.98	1.032	100.46%	0.002	0.002	-

Mode	Antenna	Position	Distance (mm)	CH	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		ID
										Measured	Reported	
WLAN 802.11ac(80M) 5.6G	Aux	Back Surface	0	138	5690	21.00	20.96	1.042	100.93%	0.099	0.105	-
WLAN 802.11ac(80M) 5.6G	Aux	Top Edge	0	122	5610	21.00	20.94	1.042	101.39%	0.807	0.853	-
WLAN 802.11ac(80M) 5.6G	Aux	Top Edge	0	138	5690	21.00	20.96	1.042	100.93%	0.866	0.911	010
WLAN 802.11ac(80M) 5.6G	Aux	Top Edge*	0	138	5690	21.00	20.96	1.042	100.93%	0.842	0.885	-
WLAN 802.11ac(80M) 5.6G	Aux	Bottom Edge	0	138	5690	21.00	20.96	1.042	100.93%	0.012	0.013	-
WLAN 802.11ac(80M) 5.6G	Aux	Right Edge	0	138	5690	21.00	20.96	1.042	100.93%	0.012	0.013	-
WLAN 802.11ac(80M) 5.6G	Aux	Left Edge	0	138	5690	21.00	20.96	1.042	100.93%	0.003	0.003	-

Mode	Antenna	Position	Distance (mm)	CH	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		ID
										Measured	Reported	
WLAN 802.11n(40M) 5.8G	Aux	Back Surface	0	159	5795	21.00	20.98	1.032	100.46%	0.089	0.092	-
WLAN 802.11n(40M) 5.8G	Aux	Top Edge	0	159	5795	21.00	20.98	1.032	100.46%	0.421	0.436	011
WLAN 802.11n(40M) 5.8G	Aux	Bottom Edge	0	159	5795	21.00	20.98	1.032	100.46%	0.044	0.045	-
WLAN 802.11n(40M) 5.8G	Aux	Right Edge	0	159	5795	21.00	20.98	1.032	100.46%	0.062	0.064	-
WLAN 802.11n(40M) 5.8G	Aux	Left Edge	0	159	5795	21.00	20.98	1.032	100.46%	0.007	0.008	-

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WIFI 6E

Main

Mode	Position	Distance (mm)	CH	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		Measured Estimated APD W/m^2 (4cm^2)	Reported Estimated APD W/m^2 (4cm^2)	ID
									Measured	Reported			
U-NII-5 6.2Ghz802.11ac(160M)	Back Surface	0	15	6025	13.50	13.48	1.032	100.46%	0.020	0.021	0.16	0.166	-
U-NII-5 6.2Ghz802.11ac(160M)	Top Edge	0	15	6025	13.50	13.48	1.032	100.46%	0.002	0.002	0.025	0.026	-
U-NII-5 6.2Ghz802.11ac(160M)	Bottom Edge	0	15	6025	13.50	13.48	1.032	100.46%	0.001	0.001	0.013	0.013	-
U-NII-5 6.2Ghz802.11ac(160M)	Right Edge	0	15	6025	13.50	13.48	1.032	100.46%	0.042	0.044	0.232	0.241	-
U-NII-5 6.2Ghz802.11ac(160M)	Right Edge	0	79	6345	13.50	13.47	1.032	100.69%	0.043	0.045	0.278	0.289	012
U-NII-5 6.2Ghz802.11ac(160M)	Left Edge	0	15	6025	13.50	13.48	1.032	100.46%	0.002	0.002	0.018	0.019	-

Mode	Position	Distance (mm)	CH	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		Measured Estimated APD W/m^2 (4cm^2)	Reported Estimated APD W/m^2 (4cm^2)	ID
									Measured	Reported			
U-NII-6 6.5Ghz802.11ac(160M)	Back Surface	0	111	6505	13.50	13.46	1.032	100.93%	0.030	0.031	0.201	0.209	-
U-NII-6 6.5Ghz802.11ac(160M)	Top Edge	0	111	6505	13.50	13.46	1.032	100.93%	0.006	0.006	0.065	0.068	-
U-NII-6 6.5Ghz802.11ac(160M)	Bottom Edge	0	111	6505	13.50	13.46	1.032	100.93%	0.003	0.003	0.034	0.035	-
U-NII-6 6.5Ghz802.11ac(160M)	Right Edge	0	111	6505	13.50	13.46	1.032	100.93%	0.060	0.062	0.336	0.350	013
U-NII-6 6.5Ghz802.11ac(160M)	Left Edge	0	111	6505	13.50	13.46	1.032	100.93%	0.002	0.002	0.023	0.024	-

Mode	Position	Distance (mm)	CH	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		Measured Estimated APD W/m^2 (4cm^2)	Reported Estimated APD W/m^2 (4cm^2)	ID
									Measured	Reported			
U-NII-7 6.7Ghz802.11ac(160M)	Back Surface	0	143	6665	13.50	13.49	1.032	100.23%	0.033	0.034	0.237	0.245	-
U-NII-7 6.7Ghz802.11ac(160M)	Top Edge	0	143	6665	13.50	13.49	1.032	100.23%	0.004	0.004	0.043	0.044	-
U-NII-7 6.7Ghz802.11ac(160M)	Bottom Edge	0	143	6665	13.50	13.49	1.032	100.23%	0.001	0.001	0.014	0.014	-
U-NII-7 6.7Ghz802.11ac(160M)	Right Edge	0	143	6665	13.50	13.49	1.032	100.23%	0.069	0.071	0.385	0.398	014
U-NII-7 6.7Ghz802.11ac(160M)	Left Edge	0	143	6665	13.50	13.49	1.032	100.23%	0.001	0.001	0.011	0.011	-

Mode	Position	Distance (mm)	CH	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		Measured Estimated APD W/m^2 (4cm^2)	Reported Estimated APD W/m^2 (4cm^2)	ID
									Measured	Reported			
U-NII-8 7.0Ghz802.11ac(160M)	Back Surface	0	207	6985	13.50	13.49	1.032	100.23%	0.030	0.031	0.213	0.220	-
U-NII-8 7.0Ghz802.11ac(160M)	Top Edge	0	207	6985	13.50	13.49	1.032	100.23%	0.004	0.004	0.038	0.039	-
U-NII-8 7.0Ghz802.11ac(160M)	Bottom Edge	0	207	6985	13.50	13.49	1.032	100.23%	0.002	0.002	0.026	0.027	-
U-NII-8 7.0Ghz802.11ac(160M)	Right Edge	0	207	6985	13.50	13.49	1.032	100.23%	0.087	0.090	0.513	0.531	015
U-NII-8 7.0Ghz802.11ac(160M)	Left Edge	0	207	6985	13.50	13.49	1.032	100.23%	0.002	0.002	0.024	0.025	-

Aux

Mode	Position	Distance (mm)	CH	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		Measured Estimated APD W/m^2 (4cm^2)	Reported Estimated APD W/m^2 (4cm^2)	ID
									Measured	Reported			
U-NII-5 6.2Ghz802.11ac(160M)	Back Surface	0	15	6025	13.50	13.49	1.032	100.23%	0.016	0.017	0.101	0.104	-
U-NII-5 6.2Ghz802.11ac(160M)	Top Edge	0	15	6025	13.50	13.49	1.032	100.23%	0.074	0.077	0.456	0.472	-
U-NII-5 6.2Ghz802.11ac(160M)	Top Edge	0	47	6185	13.50	13.47	1.032	100.69%	0.141	0.147	0.843	0.876	016
U-NII-5 6.2Ghz802.11ac(160M)	Bottom Edge	0	15	6025	13.50	13.49	1.032	100.23%	0.005	0.005	0.038	0.039	-
U-NII-5 6.2Ghz802.11ac(160M)	Right Edge	0	15	6025	13.50	13.49	1.032	100.23%	0.003	0.003	0.026	0.027	-
U-NII-5 6.2Ghz802.11ac(160M)	Left Edge	0	15	6025	13.50	13.49	1.032	100.23%	0.006	0.006	0.049	0.051	-

Mode	Position	Distance (mm)	CH	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		Measured Estimated APD W/m^2 (4cm^2)	Reported Estimated APD W/m^2 (4cm^2)	ID
									Measured	Reported			
U-NII-6 6.5Ghz802.11ac(160M)	Back Surface	0	111	6505	13.50	13.48	1.032	100.46%	0.045	0.047	0.268	0.278	-
U-NII-6 6.5Ghz802.11ac(160M)	Top Edge	0	111	6505	13.50	13.48	1.032	100.46%	0.111	0.115	0.65	0.674	017
U-NII-6 6.5Ghz802.11ac(160M)	Bottom Edge	0	111	6505	13.50	13.48	1.032	100.46%	0.006	0.006	0.042	0.044	-
U-NII-6 6.5Ghz802.11ac(160M)	Right Edge	0	111	6505	13.50	13.48	1.032	100.46%	0.004	0.004	0.031	0.032	-
U-NII-6 6.5Ghz802.11ac(160M)	Left Edge	0	111	6505	13.50	13.48	1.032	100.46%	0.006	0.006	0.069	0.072	-

Mode	Position	Distance (mm)	CH	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		Measured Estimated APD W/m^2 (4cm^2)	Reported Estimated APD W/m^2 (4cm^2)	ID
									Measured	Reported			
U-NII-7 6.7Ghz802.11ac(160M)	Back Surface	0	175	6825	13.50	13.46	1.032	100.93%	0.032	0.033	0.238	0.248	-
U-NII-7 6.7Ghz802.11ac(160M)	Top Edge	0	175	6825	13.50	13.46	1.032	100.93%	0.078	0.081	0.381	0.397	018
U-NII-7 6.7Ghz802.11ac(160M)	Bottom Edge	0	175	6825	13.50	13.46	1.032	100.93%	0.003	0.003	0.034	0.035	-
U-NII-7 6.7Ghz802.11ac(160M)	Right Edge	0	175	6825	13.50	13.46	1.032	100.93%	0.001	0.001	0.013	0.014	-
U-NII-7 6.7Ghz802.11ac(160M)	Left Edge	0	175	6825	13.50	13.46	1.032	100.93%	0.009	0.009	0.105	0.109	-

Mode	Position	Distance (mm)	CH	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		Measured Estimated APD W/m^2 (4cm^2)	Reported Estimated APD W/m^2 (4cm^2)	ID
									Measured	Reported			
U-NII-8 7.0Ghz802.11ac(160M)	Back Surface	0	207	6985	13.50	13.48	1.032	100.46%	0.030	0.031	0.202	0.209	-
U-NII-8 7.0Ghz802.11ac(160M)	Top Edge	0	207	6985	13.50	13.48	1.032	100.46%	0.128	0.133	0.669	0.694	019
U-NII-8 7.0Ghz802.11ac(160M)	Bottom Edge	0	207	6985	13.50	13.48	1.032	100.46%	0.002	0.002	0.024	0.025	-
U-NII-8 7.0Ghz802.11ac(160M)	Right Edge	0	207	6985	13.50	13.48	1.032	100.46%	0.002	0.002	0.022	0.023	-
U-NII-8 7.0Ghz802.11ac(160M)	Left Edge	0	207	6985	13.50	13.48	1.032	100.46%	0.008	0.008	0.086	0.089	-

Note:

Reported SAR = measured SAR * Power scaling * Duty cycle scaling

Reported APD = measured APD * Power scaling * Duty cycle scaling

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8.3 Summary of PD Results

Main

Mode	Position	Distance (mm)	CH	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Tune-up Scaling	Duty cycle scaling	Measurement uncertainty	PD result(4cm)				ID
										Measured Total psPD (W/m^2)	Reported Total psPD (W/m^2)	Measured Normal psPD (W/m^2)	Reported Normal psPD (W/m^2)	
WLAN 6E 802.11ax(160M) U-NII-5	Right Edge	2	15	6025	13.50	13.48	100.46%	1.00	1.55	0.846	1.317	0.831	1.294	020
	Right Edge	2	79	6345	13.50	13.47	100.69%	1.00	1.55	0.796	1.242	0.785	1.225	021
WLAN 6E 802.11ax(160M) U-NII-6	Right Edge	2	111	6505	13.50	13.46	100.93%	1.00	1.55	0.619	0.968	0.598	0.935	022
WLAN 6E 802.11ax(160M) U-NII-7	Right Edge	2	143	6665	13.50	13.49	100.23%	1.00	1.55	0.763	1.185	0.732	1.137	023
WLAN 6E 802.11ax(160M) U-NII-8	Right Edge	2	207	6985	13.50	13.49	100.23%	1.00	1.55	0.742	1.153	0.728	1.131	024

Aux

Mode	Position	Distance (mm)	CH	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Tune-up Scaling	Duty cycle scaling	Measurement uncertainty	PD result(4cm)				ID
										Measured Total psPD (W/m^2)	Reported Total psPD (W/m^2)	Measured Normal psPD (W/m^2)	Reported Normal psPD (W/m^2)	
WLAN 6E 802.11ax(160M) U-NII-5	Top Edge	2	15	6025	13.50	13.49	100.23%	1.00	1.55	0.775	1.204	0.767	1.192	025
	Top Edge	2	47	6185	13.50	13.47	100.69%	1.00	1.55	0.911	1.422	0.802	1.252	026
WLAN 6E 802.11ax(160M) U-NII-6	Top Edge	2	111	6505	13.50	13.48	100.46%	1.00	1.55	1.080	1.682	1.060	1.651	027
WLAN 6E 802.11ax(160M) U-NII-7	Top Edge	2	175	6825	13.50	13.46	100.93%	1.00	1.55	0.861	1.347	0.853	1.334	028
WLAN 6E 802.11ax(160M) U-NII-8	Top Edge	2	207	6985	13.50	13.48	100.46%	1.00	1.55	0.787	1.225	0.701	1.092	029

Note:
Reported PD = measured PD * Power scaling * Duty cycle scaling * Uncertainty scaling

8.4 Reporting statements of conformity

The conformity statement in this report is based solely on the test results, measurement uncertainty is excluded.

8.5 Conclusion

The device is compliant because all the standalone results are less than their corresponding criteria.

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9 SIMULTANEOUS TRANSMISSION ANALYSIS

9.1 Simultaneous Transmission Scenarios:

Simultaneous Transmit Configurations	Body
WWAN+WLAN 2.4GHz Main + BT Aux	Yes
WWAN+WLAN 2.4GHz Main + WLAN 2.4GHz Aux	Yes
WWAN+WLAN 5GHz Main + BT Aux	Yes
WWAN+WLAN 5GHz Main + WLAN 5GHz Aux	Yes
WWAN+WLAN 5GHz Main + WLAN 5GHz Aux + BT Aux	Yes
WWAN+WLAN 6GHz Main + BT Aux	Yes
WWAN+WLAN 6GHz Main + WLAN 6GHz Aux	Yes
WWAN+WLAN 6GHz Main + WLAN 6GHz Aux + BT Aux	Yes

Note:
1. Bluetooth and WLAN Aux share the same antenna path, and BT can transmit with WLAN Main simultaneously.
2. For 2.4/5GHz WLAN Main and Aux antennas, the maximum output power of each antenna during simultaneous transmission is the same with or less than that used in standalone transmission, and we used the sum of 1-g SAR provision in KDB447498D01 to exclude the simultaneous transmitted SAR measurement.

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9.2 Estimated SAR calculation

According to KDB447498 D01v06 – When standalone SAR test exclusion applies to an antenna that transmits simultaneously with other antennas, the standalone SAR must be estimated according to following to determine simultaneous transmission SAR test exclusion:

$$\text{Estimated SAR} = \frac{\text{Max. tune up power (mW)}}{\text{Min. test separation distance(mm)}} \times \frac{\sqrt{\text{f(GHz)}}}{7.5}$$

If the minimum test separation distance is < 5mm, a distance of 5mm is used for estimated SAR calculation. When the test separation distance is >50mm, the 0.4W/kg is used for SAR-1g.

9.3 SPLSR evaluation and analysis

Per KDB447498D01, when the sum of SAR is larger than the limit, SAR test exclusion is determined by the SAR sum to peak location separation ratio(SPLSR).

The simultaneous transmitting antennas in each operating mode and exposure condition combination must be considered one pair at a time to determine the SAR to peak location separation ratio to qualify for test exclusion.

The ratio is determined by **(SAR1 + SAR2)^1.5/Ri**, rounded to two decimal digits, and must be **≤ 0.04** for all antenna pairs in the configuration to qualify for 1-g SAR test exclusion.

SAR1 and SAR2 are the highest reported or estimated SAR for each antenna in the pair, and Ri is the separation distance between the peak SAR locations for the antenna pair in mm.

When standalone test exclusion applies, SAR is estimated; the peak location is assumed to be at the feed-point or geometric center of the antenna.

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Simultaneous Transmission Combination
Full

			FCC Reported SAR									Scenario 1	Scenario 2	Scenario 3	Scenario 4	Scenario 5	Scenario 6	Scenario 7	Scenario 8
	Exposure Position		1 WWAN 1g SAR (W/kg)	2 2.4GHz WLAN Main 1g SAR (W/kg)	3 2.4GHz WLAN Aux 1g SAR (W/kg)	4 5GHz WLAN Main 1g SAR (W/kg)	5 5GHz WLAN Aux 1g SAR (W/kg)	7 Bluetooth Aux 1g SAR (W/kg)	8 6GHz WLAN Main 1g SAR (W/kg)	9 6GHz WLAN Aux 1g SAR (W/kg)	1+2+3 Summed 1g SAR (W/kg)	1+4+5 Summed 1g SAR (W/kg)	1+2+7 Summed 1g SAR (W/kg)	1+4+7 Summed 1g SAR (W/kg)	1+4+5+7 Summed 1g SAR (W/kg)	1+7+8 Summed 1g SAR (W/kg)	1+8+9 Summed 1g SAR (W/kg)	1+7+8+9 Summed 1g SAR (W/kg)
WCDMA Band II	Back Surface	5	0.162	0.016	0.015	0.377	0.105	0.008	0.034	0.047	**0.193**	**0.644**	**0.186**	**0.547**	**0.652**	**0.204**	**0.243**	**0.251**
	Top Edge	10	0.084	0.004	0.137	0.055	0.911	0.037	0.006	0.147	**0.225**	**1.050**	**0.125**	**0.176**	**1.087**	**0.127**	**0.237**	**0.274**
	Bottom Edge	0	0.002	0.001	0.003	0.016	0.045	0.000	0.003	0.006	**0.006**	**0.063**	**0.003**	**0.018**	**0.063**	**0.005**	**0.011**	**0.011**
	Right Edge	0	0.064	0.001	0.002	0.011	0.008	0.002	0.002	0.009	**0.067**	**0.083**	**0.067**	**0.077**	**0.085**	**0.068**	**0.075**	**0.077**
	Left Edge	0	0.004	0.063	0.001	1.140	0.064	0.000	0.090	0.004	**0.068**	**1.208**	**0.067**	**1.144**	**1.208**	**0.094**	**0.098**	**0.098**
WCDMA Band IV	Back Surface	5	0.277	0.016	0.015	0.377	0.105	0.008	0.034	0.047	**0.308**	**0.759**	**0.301**	**0.662**	**0.767**	**0.319**	**0.358**	**0.366**
	Top Edge	10	0.230	0.004	0.137	0.055	0.911	0.037	0.006	0.147	**0.371**	**1.196**	**0.271**	**0.322**	**1.233**	**0.273**	**0.383**	**0.420**
	Bottom Edge	0	0.004	0.001	0.003	0.016	0.045	0.000	0.003	0.006	**0.008**	**0.065**	**0.005**	**0.020**	**0.065**	**0.007**	**0.013**	**0.013**
	Right Edge	0	0.113	0.001	0.002	0.011	0.008	0.002	0.002	0.009	**0.116**	**0.132**	**0.116**	**0.126**	**0.134**	**0.117**	**0.124**	**0.126**
	Left Edge	0	0.005	0.063	0.001	1.140	0.064	0.000	0.090	0.004	**0.069**	**1.209**	**0.068**	**1.145**	**1.209**	**0.095**	**0.099**	**0.099**
WCDMA Band V	Back Surface	5	0.086	0.016	0.015	0.377	0.105	0.008	0.034	0.047	**0.117**	**0.568**	**0.110**	**0.471**	**0.576**	**0.128**	**0.167**	**0.175**
	Top Edge	10	0.042	0.004	0.137	0.055	0.911	0.037	0.006	0.147	**0.183**	**1.008**	**0.083**	**0.134**	**1.045**	**0.085**	**0.195**	**0.232**
	Bottom Edge	0	0.003	0.001	0.003	0.016	0.045	0.000	0.003	0.006	**0.007**	**0.064**	**0.004**	**0.019**	**0.064**	**0.006**	**0.012**	**0.012**
	Right Edge	0	0.023	0.001	0.002	0.011	0.008	0.002	0.002	0.009	**0.026**	**0.042**	**0.026**	**0.036**	**0.044**	**0.027**	**0.034**	**0.036**
	Left Edge	0	0.003	0.063	0.001	1.140	0.064	0.000	0.090	0.004	**0.067**	**1.207**	**0.066**	**1.143**	**1.207**	**0.093**	**0.097**	**0.097**
LTE Band 2	Back Surface	5	0.350	0.016	0.015	0.377	0.105	0.008	0.034	0.047	**0.381**	**0.832**	**0.374**	**0.735**	**0.840**	**0.392**	**0.431**	**0.439**
	Top Edge	10	0.174	0.004	0.137	0.055	0.911	0.037	0.006	0.147	**0.315**	**1.140**	**0.215**	**0.266**	**1.177**	**0.217**	**0.327**	**0.364**
	Bottom Edge	0	0.003	0.001	0.003	0.016	0.045	0.000	0.003	0.006	**0.007**	**0.064**	**0.004**	**0.019**	**0.064**	**0.006**	**0.012**	**0.012**
	Right Edge	0	0.136	0.001	0.002	0.011	0.008	0.002	0.002	0.009	**0.139**	**0.155**	**0.139**	**0.149**	**0.157**	**0.140**	**0.147**	**0.149**
	Left Edge	0	0.004	0.063	0.001	1.140	0.064	0.000	0.090	0.004	**0.068**	**1.208**	**0.067**	**1.144**	**1.208**	**0.094**	**0.098**	**0.098**
LTE Band 4	Back Surface	5	0.515	0.016	0.015	0.377	0.105	0.008	0.034	0.047	**0.546**	**0.997**	**0.539**	**0.900**	**1.005**	**0.557**	**0.596**	**0.604**
	Top Edge	10	0.453	0.004	0.137	0.055	0.911	0.037	0.006	0.147	**0.594**	**1.419**	**0.494**	**0.545**	**1.456**	**0.496**	**0.606**	**0.643**
	Bottom Edge	0	0.005	0.001	0.003	0.016	0.045	0.000	0.003	0.006	**0.009**	**0.066**	**0.006**	**0.021**	**0.066**	**0.008**	**0.014**	**0.014**
	Right Edge	0	0.223	0.001	0.002	0.011	0.008	0.002	0.002	0.009	**0.226**	**0.242**	**0.226**	**0.236**	**0.244**	**0.227**	**0.234**	**0.236**
	Left Edge	0	0.003	0.063	0.001	1.140	0.064	0.000	0.090	0.004	**0.067**	**1.207**	**0.066**	**1.143**	**1.207**	**0.093**	**0.097**	**0.097**
LTE Band 5	Back Surface	5	0.145	0.016	0.015	0.377	0.105	0.008	0.034	0.047	**0.176**	**0.627**	**0.169**	**0.530**	**0.635**	**0.187**	**0.226**	**0.234**
	Top Edge	10	0.077	0.004	0.137	0.055	0.911	0.037	0.006	0.147	**0.218**	**1.043**	**0.118**	**0.169**	**1.080**	**0.120**	**0.230**	**0.267**
	Bottom Edge	0	0.000	0.001	0.003	0.016	0.045	0.000	0.003	0.006	**0.004**	**0.061**	**0.001**	**0.016**	**0.061**	**0.003**	**0.009**	**0.009**
	Right Edge	0	0.043	0.001	0.002	0.011	0.008	0.002	0.002	0.009	**0.046**	**0.062**	**0.046**	**0.056**	**0.064**	**0.047**	**0.054**	**0.056**
	Left Edge	0	0.000	0.063	0.001	1.140	0.064	0.000	0.090	0.004	**0.064**	**1.204**	**0.063**	**1.140**	**1.204**	**0.090**	**0.094**	**0.094**
LTE Band 7	Back Surface	5	0.187	0.016	0.015	0.377	0.105	0.008	0.034	0.047	**0.218**	**0.669**	**0.211**	**0.572**	**0.677**	**0.229**	**0.268**	**0.276**
	Top Edge	10	0.158	0.004	0.137	0.055	0.911	0.037	0.006	0.147	**0.299**	**1.124**	**0.199**	**0.250**	**1.161**	**0.201**	**0.311**	**0.348**
	Bottom Edge	0	0.001	0.001	0.003	0.016	0.045	0.000	0.003	0.006	**0.005**	**0.062**	**0.002**	**0.017**	**0.062**	**0.004**	**0.010**	**0.010**
	Right Edge	0	0.077	0.001	0.002	0.011	0.008	0.002	0.002	0.009	**0.080**	**0.096**	**0.080**	**0.090**	**0.098**	**0.081**	**0.088**	**0.090**
	Left Edge	0	0.000	0.063	0.001	1.140	0.064	0.000	0.090	0.004	**0.064**	**1.204**	**0.063**	**1.140**	**1.204**	**0.090**	**0.094**	**0.094**
LTE Band 12	Back Surface	0	0.556	0.016	0.015	0.377	0.105	0.008	0.034	0.047	**0.587**	**1.038**	**0.580**	**0.941**	**1.046**	**0.598**	**0.637**	**0.645**
	Top Edge	0	0.260	0.004	0.137	0.055	0.911	0.037	0.006	0.147	**0.401**	**1.226**	**0.301**	**0.382**	**1.263**	**0.303**	**0.413**	**0.450**
	Bottom Edge	0	0.001	0.001	0.003	0.016	0.045	0.000	0.003	0.006	**0.005**	**0.062**	**0.002**	**0.017**	**0.062**	**0.004**	**0.010**	**0.010**
	Right Edge	0	0.025	0.001	0.002	0.011	0.008	0.002	0.002	0.009	**0.028**	**0.044**	**0.028**	**0.038**	**0.046**	**0.029**	**0.036**	**0.038**
	Left Edge	0	0.000	0.063	0.001	1.140	0.064	0.000	0.090	0.004	**0.064**	**1.204**	**0.063**	**1.140**	**1.204**	**0.090**	**0.094**	**0.094**
LTE Band 13	Back Surface	0	0.424	0.016	0.015	0.377	0.105	0.008	0.034	0.047	**0.455**	**0.906**	**0.448**	**0.809**	**0.914**	**0.466**	**0.505**	**0.513**
	Top Edge	0	0.459	0.004	0.137	0.055	0.911	0.037	0.006	0.147	**0.600**	**1.425**	**0.500**	**0.551**	**1.462**	**0.502**	**0.612**	**0.649**
	Bottom Edge	0	0.001	0.001	0.003	0.016	0.045	0.000	0.003	0.006	**0.005**	**0.062**	**0.002**	**0.017**	**0.062**	**0.004**	**0.010**	**0.010**
	Right Edge	0	0.034	0.001	0.002	0.011	0.008	0.002	0.002	0.009	**0.037**	**0.053**	**0.037**	**0.047**	**0.055**	**0.038**	**0.045**	**0.047**
	Left Edge	0	0.001	0.063	0.001	1.140	0.064	0.000	0.090	0.004	**0.065**	**1.205**	**0.064**	**1.141**	**1.205**	**0.091**	**0.095**	**0.095**
LTE Band 14	Back Surface	5	0.126	0.016	0.015	0.377	0.105	0.008	0.034	0.047	**0.157**	**0.608**	**0.150**	**0.511**	**0.616**	**0.168**	**0.207**	**0.215**
	Top Edge	10	0.049	0.004	0.137	0.055	0.911	0.037	0.006	0.147	**0.190**	**1.015**	**0.090**	**0.141**	**1.052**	**0.092**	**0.202**	**0.239**
	Bottom Edge	0	0.000	0.001	0.003	0.016	0.045	0.000	0.003	0.006	**0.004**	**0.061**	**0.001**	**0.016**	**0.061**	**0.003**	**0.009**	**0.009**
	Right Edge	0	0.039	0.001	0.002	0.011	0.008	0.002	0.002	0.009	**0.042**	**0.058**	**0.042**	**0.052**	**0.060**	**0.043**	**0.050**	**0.052**
	Left Edge	0	0.000	0.063	0.001	1.140	0.064	0.000	0.090	0.004	**0.064**	**1.204**	**0.063**	**1.140**	**1.204**	**0.090**	**0.094**	**0.094**
LTE Band 25	Back Surface	5	0.319	0.016	0.015	0.377	0.105	0.008	0.034	0.047	**0.350**	**0.801**	**0.343**	**0.704**	**0.809**	**0.361**	**0.400**	**0.408**
	Top Edge	10	0.208	0.004	0.137	0.055	0.911	0.037	0.006	0.147	**0.349**	**1.174**	**0.249**	**0.300**	**1.211**	**0.251**	**0.361**	**0.398**
	Bottom Edge	0	0.004	0.001	0.003	0.016	0.045	0.000	0.003	0.006	**0.008**	**0.065**	**0.005**	**0.020**	**0.065**	**0.007**	**0.013**	**0.013**
	Right Edge	0	0.139	0.001	0.002	0.011	0.008	0.002	0.002	0.009	**0.142**	**0.158**	**0.142**	**0.152**	**0.160**	**0.143**	**0.150**	**0.152**
	Left Edge	0	0.002	0.063	0.001	1.140	0.064	0.000	0.090	0.004	**0.066**	**1.206**	**0.065**	**1.142**	**1.206**	**0.092**	**0.096**	**0.096**
LTE Band 26_FCC	Back Surface	5	0.135	0.016	0.015	0.377	0.105	0.008	0.034	0.047	**0.166**	**0.617**	**0.159**	**0.520**	**0.625**	**0.177**	**0.216**	**0.224**
	Top Edge	10	0.074	0.004	0.137	0.055	0.911	0.037	0.006	0.147	**0.215**	**1.040**	**0.115**	**0.166**	**1.077**	**0.117**	**0.227**	**0.264**
	Bottom Edge	0	0.000	0.001	0.003	0.016	0.045	0.000	0.003	0.006	**0.004**	**0.061**	**0.001**	**0.016**	**0.061**	**0.003**	**0.009**	**0.009**
	Right Edge	0	0.032	0.001	0.002	0.011	0.008	0.002	0.002	0.009	**0.035**	**0.051**	**0.035**	**0.045**	**0.053**	**0.036**	**0.043**	**0.045**
	Left Edge	0	0.000	0.063	0.001	1.140	0.064	0.000	0.090	0.004	**0.064**	**1.204**	**0.063**	**1.140**	**1.204**	**0.090**	**0.094**	**0.094**
LTE Band 66	Back Surface	5	0.443	0.016	0.015	0.377	0.105	0.008	0.034	0.047	**0.474**	**0.925**	**0.467**	**0.828**	**0.933**	**0.485**	**0.524**	**0.532**
	Top Edge	10	0.514	0.004	0.137	0.055	0.911	0.037	0.006	0.147	**0.655**	**1.480**	**0.555**	**0.606**	**1.517**	**0.557**	**0.667**	**0.704**
	Bottom Edge	0	0.005	0.001	0.003	0.016	0.045	0.000	0.003	0.006	**0.009**	**0.066**	**0.006**	**0.021**	**0.066**	**0.008**	**0.014**	**0.014**
	Right Edge	0	0.240	0.001	0.002	0.011	0.008	0.002	0.002	0.009	**0.243**	**0.259**	**0.243**	**0.253**	**0.261**	**0.244**	**0.251**	**0.253**
	Left Edge	0	0.003	0.063	0.001	1.140	0.064	0.000	0.090	0.004	**0.067**	**1.207**	**0.066**	**1.143**	**1.207**	**0.093**	**0.097**	**0.097**
LTE Band 71	Back Surface	0	0.499	0.016	0.015	0.377	0.105	0.008	0.034	0.047	**0.530**	**0.981**	**0.523**	**0.884**	**0.989**	**0.541**	**0.580**	**0.588**
	Top Edge	0	0.212	0.004	0.137	0.055	0.911	0.037	0.006	0.147	**0.353**	**1.178**	**0.253**	**0.304**	**1.215**	**0.255**	**0.365**	**0.402**
	Bottom Edge	0	0.001	0.001	0.003	0.016	0.045	0.000	0.003	0.006	**0.005**	**0.062**	**0.002**	**0.017**	**0.062**	**0.004**	**0.010**	**0.010**
	Right Edge	0	0.011	0.001	0.002	0.011	0.008	0.002	0.002	0.009	**0.014**	**0.030**	**0.014**	**0.024**	**0.032**	**0.015**	**0.022**	**0.024**
	Left Edge	0	0.000	0.063	0.001	1.140	0.064	0.000	0.090	0.004	**0.064**	**1.204**	**0.063**	**1.140**	**1.204**	**0.090**	**0.094**	**0.094**
LTE Band 41	Back Surface	5	0.173	0.016	0.015	0.377	0.105	0.008	0.034	0.047	**0.204**	**0.655**	**0.197**	**0.558**	**0.663**	**0.215**	**0.254**	**0.262**
	Top Edge	10	0.092	0.004	0.137	0.055	0.911	0.037	0.006	0.147	**0.233**	**1.058**	**0.133**	**0.184**	**1.095**	**0.135**	**0.245**	**0.282**
	Bottom Edge	0	0.008	0.001	0.003	0.016	0.045	0.000	0.003	0.006	**0.012**	**0.069**	**0.009**	**0.024**	**0.069**	**0.011**	**0.017**	**0.017**
	Right Edge	0	0.030	0.001	0.002	0.011	0.008	0.002	0.002	0.009	**0.033**	**0.049**	**0.033**	**0.043**	**0.051**	**0.034**	**0.041**	**0.043**
	Left Edge	0	0.008	0.063	0.001	1.140	0.064	0.000	0.090	0.004	**0.072**	**1.212**	**0.071**	**1.148**	**1.212**	**0.098**	**0.102**	**0.102**
LTE Band 42	Back Surface	0	0.738	0.016	0.015	0.377	0.105	0.008	0.034	0.047	**0.769**	**1.220**	**0.762**	**1.123**	**1.228**	**0.780**	**0.819**	**0.827**
	Top Edge	0	0.421	0.004	0.137	0.055	0.911	0.037	0.006	0.147	**0.562**	**1.387**	**0.462**	**0.513**	**1.424**	**0.464**	**0.574**	**0.611**
	Bottom Edge	0	0.008	0.001	0.003	0.016	0.045	0.000	0.003	0.006	**0.012**	**0.069**	**0.009**	**0.024**	**0.069**	**0.011**	**0.017**	**0.017**
	Right Edge	0	0.008	0.001	0.002	0.011	0.008	0.002	0.002	0.009	**0.011**	**0.027**	**0.011**	**0.021**	**0.029**	**0.012**	**0.019**	**0.021**
	Left Edge	0	0.004	0.063	0.001	1.140	0.064	0.000	0.090	0.004	**0.068**	**1.208**	**0.067**	**1.144**	**1.208**	**0.094**	**0.098**	**0.098**
LTE Band 43	Back Surface	5	0.347	0.016	0.015	0.377	0.105	0.008	0.034	0.047	**0.378**	**0.829**	**0.371**	**0.732**	**0.837**	**0.389**	**0.428**	**0.436**
	Top Edge	10	0.256	0.004	0.137	0.055	0.911	0.037	0.006	0.147	**0.397**	**1.222**	**0.297**	**0.348**	**1.259**	**0.299**	**0.409**	**0.446**
	Bottom Edge	0	0.001	0.001	0.003	0.016	0.045	0.000	0.003	0.006	**0.005**	**0.062**	**0.002**	**0.017**	**0.062**	**0.004**	**0.010**	**0.010**
	Right Edge	0	0.037	0.001	0.002	0.011	0.008	0.002	0.002	0.009	**0.040**	**0.056**	**0.040**	**0.050**	**0.058**	**0.041**	**0.048**	**0.050**
	Left Edge	0	0.001	0.063	0.001	1.140	0.064	0.000	0.090	0.004	**0.065**	**1.205**	**0.064**	**1.141**	**1.205**	**0.091**	**0.095**	**0.095**
LTE Band 48	Back Surface	5	0.366	0.016	0.015	0.377	0.105	0.008	0.034	0.047	**0.397**	**0.848**	**0.390**	**0.751**	**0.856**	**0.408**	**0.447**	**0.455**
	Top Edge	10	0.200	0.004	0.137	0.055	0.911	0.037	0.006	0.147	**0.341**	**1.166**	**0.241**	**0.292**	**1.203**	**0.243**	**0.353**	**0.390**
	Bottom Edge	0	0.000	0.001	0.003	0.016	0.045	0.000	0.003	0.006	**0.004**	**0.061**	**0.001**	**0.016**	**0.061**	**0.003**	**0.009**	**0.009**
	Right Edge	0	0.031	0.001	0.002	0.011	0.008	0.002	0.002	0.009	**0.034**	**0.050**	**0.034**	**0.044**	**0.052**	**0.035**	**0.042**	**0.044**
	Left Edge	0	0.000	0.063	0.001	1.140	0.064	0.000	0.090	0.004	**0.064**	**1.204**	**0.063**	**1.140**	**1.204**	**0.090**	**0.094**	**0.094**

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
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Down

	Exposure Position		FCC Reported SAR									Scenario 1	Scenario 2	Scenario 3	Scenario 4	Scenario 5	Scenario 6	Scenario 7	Scenario 8
			1	2	3	4	5	7	8	9		1+2+3 Summed	1+4+5 Summed	1+2+7 Summed	1+4+7 Summed	1+4+5+7 Summed	1+7+8 Summed	1+8+9 Summed	1+7+8+9 Summed
			WWAN	2.4GHz WLAN Main	2.4GHz WLAN Aux	5GHz WLAN Main	5GHz WLAN Aux	Bluetooth Aux	6GHz WLAN Main	6GHz WLAN Aux									
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
WCDMA Band II	Back Surface	0	0.403	0.016	0.015	0.377	0.105	0.008	0.034	0.047		0.434	0.885	0.427	0.788	0.893	0.445	0.484	0.492
	Top Edge	0	0.473	0.004	0.137	0.055	0.911	0.037	0.006	0.147		0.614	1.439	0.514	0.565	1.476	0.516	0.626	0.663
WCDMA Band IV	Back Surface	0	0.630	0.016	0.015	0.377	0.105	0.008	0.034	0.047		0.681	1.112	0.654	1.015	1.120	0.672	0.711	0.719
	Top Edge	0	0.535	0.004	0.137	0.055	0.911	0.037	0.006	0.147		0.676	1.501	0.576	0.627	1.538	0.578	0.688	0.725
WCDMA Band V	Back Surface	0	0.255	0.016	0.015	0.377	0.105	0.008	0.034	0.047		0.286	0.737	0.279	0.640	0.745	0.297	0.336	0.344
	Top Edge	0	0.411	0.004	0.137	0.055	0.911	0.037	0.006	0.147		0.562	1.377	0.462	0.503	1.414	0.454	0.564	0.601
LTE Band 2	Back Surface	0	0.407	0.016	0.015	0.377	0.105	0.008	0.034	0.047		0.438	0.889	0.431	0.792	0.897	0.449	0.488	0.496
	Top Edge	0	0.458	0.004	0.137	0.055	0.911	0.037	0.006	0.147		0.599	1.424	0.499	0.550	1.461	0.501	0.611	0.648
LTE Band 4	Back Surface	0	0.657	0.016	0.015	0.377	0.105	0.008	0.034	0.047		0.688	1.139	0.681	1.042	1.147	0.699	0.738	0.746
	Top Edge	0	0.533	0.004	0.137	0.055	0.911	0.037	0.006	0.147		0.674	1.499	0.574	0.625	1.536	0.576	0.686	0.723
LTE Band 5	Back Surface	0	0.261	0.016	0.015	0.377	0.105	0.008	0.034	0.047		0.292	0.743	0.285	0.646	0.751	0.303	0.342	0.350
	Top Edge	0	0.387	0.004	0.137	0.055	0.911	0.037	0.006	0.147		0.528	1.353	0.428	0.479	1.390	0.430	0.540	0.577
LTE Band 7	Back Surface	0	0.331	0.016	0.015	0.377	0.105	0.008	0.034	0.047		0.362	0.813	0.355	0.716	0.821	0.373	0.412	0.420
	Top Edge	0	0.501	0.004	0.137	0.055	0.911	0.037	0.006	0.147		0.642	1.467	0.542	0.593	1.504	0.544	0.654	0.691
LTE Band 14	Back Surface	0	0.303	0.016	0.015	0.377	0.105	0.008	0.034	0.047		0.334	0.785	0.327	0.688	0.793	0.345	0.384	0.392
	Top Edge	0	0.365	0.004	0.137	0.055	0.911	0.037	0.006	0.147		0.506	1.331	0.406	0.457	1.368	0.408	0.518	0.555
LTE Band 25	Back Surface	0	0.421	0.016	0.015	0.377	0.105	0.008	0.034	0.047		0.452	0.903	0.445	0.806	0.911	0.463	0.502	0.510
	Top Edge	0	0.467	0.004	0.137	0.055	0.911	0.037	0.006	0.147		0.608	1.433	0.508	0.559	1.470	0.510	0.620	0.657
LTE Band 26_FCC	Back Surface	0	0.273	0.016	0.015	0.377	0.105	0.008	0.034	0.047		0.304	0.755	0.297	0.658	0.763	0.315	0.354	0.362
	Top Edge	0	0.394	0.004	0.137	0.055	0.911	0.037	0.006	0.147		0.535	1.360	0.435	0.486	1.397	0.437	0.547	0.584
LTE Band 66	Back Surface	0	0.647	0.016	0.015	0.377	0.105	0.008	0.034	0.047		0.678	1.129	0.671	1.032	1.137	0.689	0.728	0.736
	Top Edge	0	0.554	0.004	0.137	0.055	0.911	0.037	0.006	0.147		0.695	1.520	0.595	0.646	1.557	0.597	0.707	0.744
LTE Band 41	Back Surface	0	0.195	0.016	0.015	0.377	0.105	0.008	0.034	0.047		0.226	0.677	0.219	0.580	0.685	0.237	0.276	0.284
	Top Edge	0	0.302	0.004	0.137	0.055	0.911	0.037	0.006	0.147		0.443	1.268	0.343	0.394	1.305	0.345	0.455	0.492
LTE Band 43	Back Surface	0	0.451	0.016	0.015	0.377	0.105	0.008	0.034	0.047		0.482	0.933	0.475	0.836	0.941	0.493	0.532	0.540
	Top Edge	0	0.480	0.004	0.137	0.055	0.911	0.037	0.006	0.147		0.621	1.446	0.521	0.572	1.483	0.523	0.633	0.670
LTE Band 48	Back Surface	0	0.658	0.016	0.015	0.377	0.105	0.008	0.034	0.047		0.689	1.140	0.682	1.043	1.148	0.700	0.739	0.747
	Top Edge	0	0.466	0.004	0.137	0.055	0.911	0.037	0.006	0.147		0.607	1.432	0.507	0.558	1.469	0.509	0.619	0.656

9.4 Conclusion

The simultaneous transmission is compliant because both SAR sum and/or SPLSR are less than their corresponding criteria.

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10 INSTRUMENTS LIST

Equipment List					
Manufacturer	**Device**	**Type**	**Serial number**	**Date of last calibration**	**Date of next calibration**
SPEAG	Data acquisition Electronics	DAE4	1260	Sep/22/2022	Sep/21/2023
SPEAG	Dosimetric E-Field Probe	EX3DV4	7466	Jan/26/2022	Jan/25/2023
SPEAG	System Validation Dipole	D750V3	1015	Oct/09/2023	Oct/08/2023
SPEAG	System Validation Dipole	D835V2	4d063	Sep/26/2022	Sep/25/2023
SPEAG	System Validation Dipole	D1750V2	1008	Sep/27/2022	Sep/26/2023
SPEAG	System Validation Dipole	D1900V2	5d173	Apr/28/2022	Apr/27/2023
SPEAG	System Validation Dipole	D2600V2	1005	Jan/18/2022	Jan/17/2023
SPEAG	System Validation Dipole	D3500V2	1009	Oct/09/2022	Oct/08/2023
SPEAG	System Validation Dipole	D3700V2	1074	Jan/25/2022	Jan/24/2023
SPEAG	Dielectric Assessment Kit	DAKS-3.5	1053	Feb/28/2022	Feb/27/2023
Agilent	MXG Analog Signal Generator	N5181A	MY50144143	May/19/2022	May/18/2023
Agilent	Dual-directional coupler	772D	MY52180142	Oct/19/2022	Oct/18/2023
Agilent	Dual-directional coupler	778D	MY52180302	Oct/19/2022	Oct/18/2023
EMCI	Amplifier	EMC 074225P	980155	Calibration not required	Calibration not required
EMCI	Amplifier	EMC 2830P	980156	Calibration not required	Calibration not required
R&S	Power Sensor	NRP18S	101358	Jan/22/2022	Jan/21/2023
R&S	Power Meter	NRX	102034	Dec/28/2021	Dec/27/2022
R&S	Power Sensor	NRP18S	101974	Oct/18/2022	Oct/17/2023
SPEAG	Software	DASY 52 V52.10.4.1527	N/A	Calibration not required	Calibration not required
SPEAG	Phantom	ELI	N/A	Calibration not required	Calibration not required
R&S	Radio Communication Test	CMW 500	165070	Oct/20/2022	Oct/19/2023
TECPEL	Digital thermometer	DTM-303A	TP131515	Sep/29/2022	Sep/28/2023

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SAR Test Site: SAR_2					
Manufacturer	**Device**	**Type**	**Serial number**	**Date of last calibration**	**Date of next calibration**
SPEAG	Dosimetric E-Field Probe	EX3DV4	3770	May/02/2022	May/01/2023
SPEAG	Data acquisition Electronics	DAE4	856	Apr/21/2022	Apr/20/2023
SPEAG	System Validation Dipole	D2450V2	727	Apr/25/2022	Apr/24/2023
SPEAG	System Validation Dipole	D5GHzV2	1023	Jan/27/2022	Jan/26/2023
SPEAG	Software	DASY 52 V52.10.4.1527	N/A	Calibration not required	Calibration not required
SPEAG	Phantom	ELI	N/A	Calibration not required	Calibration not required
SPEAG	Dielectric Assessment Kit	DAKS-3.5	1053	Feb/28/2022	Feb/27/2023
Agilent	Dual-directional coupler	778D	MY48220468	Aug/16/2021	Aug/15/2022
Agilent	Dual-directional coupler	772D	MY46151242	Aug/16/2021	Aug/15/2022
R&S	MXG Analog Signal Generator	SMB100A03	182012	Jun/13/2022	Jun/12/2023
EMCI	Amplifier	EMC 2830P	980156	Calibration not required	Calibration not required
R&S	Power Meter	NRX	102034	Dec/28/2021	Dec/27/2022
R&S	Power Sensor	NRP18S	101974	Oct/12/2021	Oct/11/2022
R&S	Power Sensor	NRP18S	109066	Oct/12/2021	Oct/11/2022
TECPEL	Digital thermometer	DTM-303A	TP190085	Jan/14/2022	Jan/13/2023

Note:
Instruments List of the original test report TESA2206000138EN.

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SAR Test Site: SAR_6					
Manufacturer	**Device**	**Type**	**Serial number**	**Date of last calibration**	**Date of next calibration**
SPEAG	Dosimetric E-Field Probe	EX3DV4	7466	Jan/26/2022	Jan/25/2023
SPEAG	E-field Probe for Near Field Application	EUmmWV4	9579	Oct/06/2021	Oct/05/2022
SPEAG	Data acquisition Electronics	DAE4	558	Nov/23/2021	Nov/22/2022
SPEAG	System Validation Dipole	D6.5GHzV2	1006	Aug/26/2021	Aug/25/2022
SPEAG	System Validation Dipole	D7GHzV2	1007	Aug/26/2021	Aug/25/2022
SPEAG	5G Verification Source 10GHz	5G-Veri10	1021	Jan/24/2022	Jan/23/2023
SPEAG	Software	DASY 6 V16.0.2.136	N/A	Calibration not required	Calibration not required
SPEAG	Software	DASY 6 mmWave V2.4.2.62	N/A	Calibration not required	Calibration not required
SPEAG	Phantom	ELI	N/A	Calibration not required	Calibration not required
SPEAG	Phantom	mmWave Phantom	N/A	Calibration not required	Calibration not required
SPEAG	Dielectric Assessment Kit	DAKS-3.5	1053	Feb/28/2022	Feb/27/2023
Agilent	Dual-directional coupler	778D	MY48220468	Aug/16/2021	Aug/15/2022
Agilent	Dual-directional coupler	772D	MY46151242	Aug/16/2021	Aug/15/2022
R&S	MXG Analog Signal Generator	SMB100A03	182012	Jun/13/2022	Jun/12/2023
EMCI	Amplifier	EMC 2830P	980156	Calibration not required	Calibration not required
R&S	Power Meter	NRX	102034	Dec/28/2021	Dec/27/2022
R&S	Power Sensor	NRP18S	101974	Oct/12/2021	Oct/11/2022
R&S	Power Sensor	NRP18S	109066	Oct/12/2021	Oct/11/2022
TECPEL	Digital thermometer	DTM-303A	TP130074	May/13/2022	May/12/2023

Note:
Instruments List of the original test report TESA2206000138EN.

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11 UNCERTAINTY BUDGET

Measurement Uncertainty evaluation template for DUT SAR test (3-6G)

A	c	D	e		f	g	h=c * f / e	i=c * g / e	k
Source of Uncertainty	Tolerance/ Uncertainty	Probability Distributio	Div	Div Value	ci (1g)	ci (10g)	Standard uncertainty	Standard uncertainty	vi, or Veff
Measurement system									
Probe calibration	6.55%	N	1	1	1	1	6.55%	6.55%	∞
Isotropy , Axial	3.50%	R	√ 3	1.732	1	1	2.02%	2.02%	∞
Isotropy, Hemispherical	9.60%	R	√ 3	1.732	1	1	5.54%	5.54%	∞
Modulation Response	2.40%	R	√3	1.732	1	1	1.40%	1.40%	∞
Boundary Effect	1.00%	R	√ 3	1.732	1	1	0.58%	0.58%	∞
Linearity	4.70%	R	√ 3	1.732	1	1	2.71%	2.71%	∞
Detection Limits	1.00%	R	√ 3	1.732	1	1	0.58%	0.58%	∞
Readout Electronics	0.30%	N	1	1	1	1	0.30%	0.30%	∞
Response time	0.80%	R	√ 3	1.732	1	1	0.46%	0.46%	∞
Integration Time	2.60%	R	√ 3	1.732	1	1	1.50%	1.50%	∞
Measurement drift (class A evaluation)	1.75%	R	√ 3	1.732	1	1	1.01%	1.01%	∞
RF ambient condition - noise	3.00%	R	√ 3	1.732	1	1	1.73%	1.73%	∞
RF ambient conditions - reflections	3.00%	R	√ 3	1.732	1	1	1.73%	1.73%	∞
Probe positioner Mechanical restrictions	0.40%	R	√ 3	1.732	1	1	0.23%	0.23%	∞
Probe Positioning with respect to phantom shell	2.90%	R	√ 3	1.732	1	1	1.67%	1.67%	∞
Post-processing	1.00%	R	√ 3	1.732	1	1	0.58%	0.58%	∞
Max SAR Eval	1.00%	R	√ 3	1.732	1	1	0.58%	0.58%	∞
Test Sample related									
Test sample positioning	2.90%	N	1	1	1	1	2.90%	2.90%	M-1
Device Holder Uncertainty	3.60%	N	1	1	1	1	3.60%	3.60%	M-1
Drift of output power	5.00%	R	√ 3	1.732	1	1	2.89%	2.89%	∞
Phantom and Setup									
Phantom Uncertainty	4.00%	R	√ 3	1.732	1	1	2.31%	2.31%	∞
Liquid permittivity (mea.)	2.85%	N	1	1	0.64	0.43	1.82%	1.23%	M
Liquid Conductivity (mea.)	0.74%	N	1	1	0.6	0.49	0.44%	0.36%	M
Combined standard uncertainty		RSS					11.87%	11.78%	
Expant uncertainty (95% confidence interval), K=2							23.73%	23.55%	

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Measurement Uncertainty evaluation template for DUT SAR test (0.3-3G)

A	c	D	e		f	g	h=c * f / e	i=c * g / e	k
Source of Uncertainty	Tolerance/ Uncertainty	Probability Distributio	Div	Div Value	ci (1g)	ci (10g)	Standard uncertainty	Standard uncertainty	vi, or Veff
Measurement system									
Probe calibration	6.00%	N	1	1	1	1	6.00%	6.00%	∞
Isotropy , Axial	3.50%	R	√3	1.732	1	1	2.02%	2.02%	∞
Isotropy, Hemispherical	9.60%	R	√3	1.732	1	1	5.54%	5.54%	∞
Modulation Response	2.40%	R	√3	1.732	1	1	1.40%	1.40%	∞
Boundary Effect	1.00%	R	√3	1.732	1	1	0.58%	0.58%	∞
Linearity	4.70%	R	√3	1.732	1	1	2.71%	2.71%	∞
Detection Limits	1.00%	R	√3	1.732	1	1	0.58%	0.58%	∞
Readout Electronics	0.30%	N	1	1	1	1	0.30%	0.30%	∞
Response time	0.80%	R	√3	1.732	1	1	0.46%	0.46%	∞
Integration Time	2.60%	R	√3	1.732	1	1	1.50%	1.50%	∞
Measurement drift (class A evaluation)	1.75%	R	√3	1.732	1	1	1.01%	1.01%	∞
RF ambient condition - noise	3.00%	R	√3	1.732	1	1	1.73%	1.73%	∞
RF ambient conditions - reflections	3.00%	R	√3	1.732	1	1	1.73%	1.73%	∞
Probe positioner Mechanical restrictions	0.40%	R	√3	1.732	1	1	0.23%	0.23%	∞
Probe Positioning with respect to phantom shell	2.90%	R	√3	1.732	1	1	1.67%	1.67%	∞
Post-processing	1.00%	R	√3	1.732	1	1	0.58%	0.58%	∞
Max SAR Eval	1.00%	R	√3	1.732	1	1	0.58%	0.58%	∞
Test Sample related									
Test sample positioning	2.90%	N	1	1	1	1	2.90%	2.90%	M-1
Device Holder Uncertainty	3.60%	N	1	1	1	1	3.60%	3.60%	M-1
Drift of output power	5.00%	R	√3	1.732	1	1	2.89%	2.89%	∞
Phantom and Setup									
Phantom Uncertainty	4.00%	R	√3	1.732	1	1	2.31%	2.31%	∞
Liquid permittivity (mea.)	1.17%	N	1	1	0.64	0.43	0.75%	0.50%	M
Liquid Conductivity (mea.)	4.69%	N	1	1	0.6	0.49	2.81%	2.30%	M
Combined standard uncertainty		RSS					11.78%	11.65%	
Expant uncertainty (95% confidence interval), K=2							23.57%	23.30%	

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DASY6 Uncertainty Budget
According to IEC/IEEE 62209-1528
(Frequency band: 6GHz - 10GHz range)

a	b	c	d		e	e	f=b * e / d	f=b * e / d
Source of Uncertainty	Uncertainty Value (±%)	Probability Distributioin	Div.	Div. Value	(ci) 1g	(ci) 10g	Std. uncertainty (1g) (±%)	Std. uncertainty (10g) (±%)
Measurement system errors								
Probe calibration	18.6	N	2	2	1	1	9.3	9.3
Probe Calibration Drift	1.7	R	√3	1.732	1	1	1.0	1.0
Probe Linearity	4.7	R	√3	1.732	1	1	2.7	2.7
Broadband Signal	2.8	R	√3	1.732	1	1	1.6	1.6
Probe Isotropy	7.6	R	√3	1.732	1	1	4.4	4.4
Data Acquisition	0.3	N	1	1	1	1	0.3	0.3
RF Ambient	1.8	N	1	1	1	1	1.8	1.8
Probe positioning	0.2	N	1	1	0.67	0.67	0.1	0.1
Data Processing	3.5	N	1	1	1	1	3.5	3.5
Phantom and device errors								
Conductivity (meas.)DAK	2.5	N	1	1	0.78	0.71	2.0	1.8
Conductivity (temp.)BB	2.4	R	√3	1.732	0.78	0.71	1.1	1.0
Phantom Permittivity	14.0	R	√3	1.732	0.5	0.5	4.0	4.0
Distance DUT - TSL	2.0	N	1	1	2	2	4.0	4.0
Device Positioning (±0.5mm)	1.0	N	1	1	1	1	1.0	1.0
Device Holder	3.6	N	1	1	1	1	3.6	3.6
DUT Modulationm	2.4	R	√3	1.732	1	1	1.4	1.4
Time-average SAR	0.0	R	√3	1.732	1	1	0.0	0.0
DUT drift	2.5	N	1	1	1	1	2.5	2.5
Val Antenna Unc.	0.0	N	1	1	1	1	0.0	0.0
Unc. Input Power	0.0	N	1	1	1	1	0.0	0.0
Correction to the SAR results								
Deviation to Target	1.90	N	1	1	1	0.84	1.9	1.6
SAR scaling	0.147	R	√3	1.732	1	1	0.1	0.1
Combined Std. uncertainty							14.0	13.9
Expanded Std. uncertainty (95% confidence interval), K=2							28.0	27.8

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cDASY6 Module mmWave Uncertainty Budget for PD
Evaluation Distances to the Antennas ≧λ/ 5
In Compliance with IEC/IEEE 63195

a	b	c	d		e	f=b * e / d	g
Source of Uncertainty	Uncertainty Value (+-dB)	Probability Distributioin	Div.	Div. Value	ci	Std. uncertainty (+-dB)	(vi) Veff
Uncertainty terms dependent on the measurement system							
Probe calibration	0.49	N	1	1	1	0.49	∞
Probe correction	0.00	R	√3	1.732	1	0.00	∞
Frequency response (BW≦1GHz)	0.20	R	√3	1.732	1	0.12	∞
Sensor cross coupling	0.00	R	√3	1.732	1	0.00	∞
Isotropy	0.50	R	√3	1.732	1	0.29	∞
Linearity	0.20	R	√3	1.732	1	0.12	∞
Probe scattering	0.00	R	√3	1.732	1	0.00	∞
Probe positioning offset	0.30	R	√3	1.732	1	0.17	∞
Probe positioning repeatability	0.04	R	√3	1.732	1	0.02	∞
Sensor mechanical offset	0.00	R	√3	1.732	1	0.00	∞
Probe spatial resolution	0.00	R	√3	1.732	1	0.00	∞
Field impedance dependance	0.00	R	√3	1.732	1	0.00	∞
Amplitude and phase drift	0.00	R	√3	1.732	1	0.00	∞
Amplitude and phase noise	0.04	R	√3	1.732	1	0.02	∞
Measurement area truncation	0.00	R	√3	1.732	1	0.00	∞
Data acquisition	0.03	N	1	1	1	0.03	∞
Sampling	0.00	R	√3	1	1	0.00	∞
Field reconstruction	2.00	R	√3	1.732	1	1.15	∞
Forward transformation	0.00	R	√3	1.732	1	0.00	∞
Power density scaling	-	R	√3	1.732	1	-	∞
Spatial averaging	0.10	R	√3	1.732	1	0.06	∞
System detection limit	0.04	R	√3	1.732	1	0.02	∞
Uncertainty terms dependent on the DUT and environmental factors							
Probe coupling with DUT	0.00	R	√3	1.732	1	0.00	∞
Modulation response	0.40	R	√3	1.732	1	0.23	∞
Integration time	0.00	R	√3	1.732	1	0.00	∞
Response time	0.00	R	√3	1.732	1	0.00	∞
Device holder influence	0.10	R	√3	1.732	1	0.06	∞
DUT alignment	0.00	R	√3	1.732	1	0.00	∞
RF ambient conditions	0.04	R	√3	1.732	1	0.02	∞
Ambient reflections	0.04	R	√3	1.732	1	0.02	∞
Immunity / secondary reception	0.00	R	√3	1.732	1	0.00	∞
Drift of the DUT	-	R	√3	1.732	1	-	∞
Combined Std. uncertainty						1.33	
Expanded Std. uncertainty (95% confidence interval), K=2						2.67	

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12 SAR MEASUREMENT RESULTS

Date: 2022/6/20

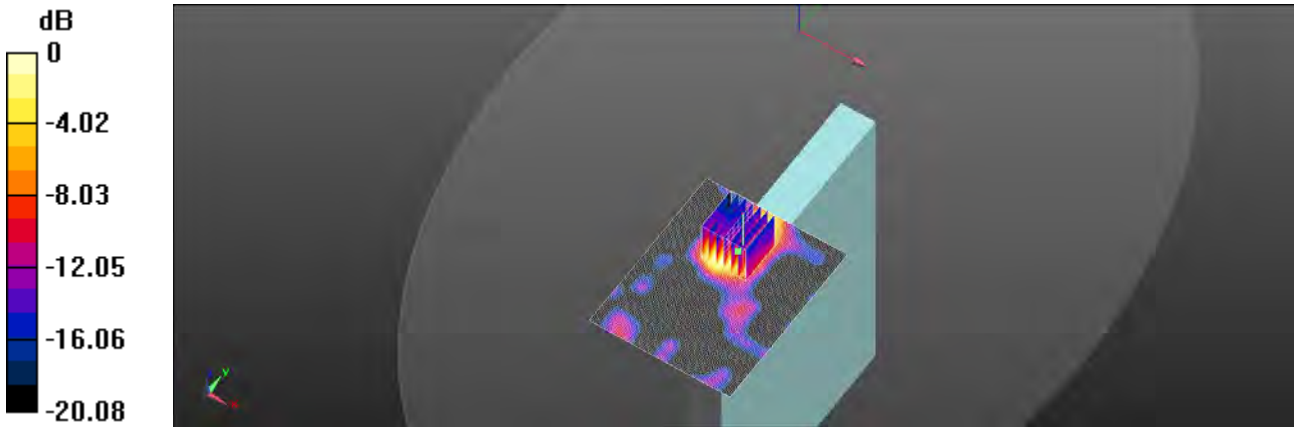
ID: 001
Report No. :TESA2206000138EN
WLAN 802.11b_Body_Right Edge_CH 6_0mm_Main
Communication System: WLAN 2.45G; Frequency: 2437 MHz; Duty cycle= 1:1.022
Medium parameters used: f = 2437 MHz; σ = 1.832 S/m; ε_r = 37.721; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.4°C; Liquid temperature: 22.1℃

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(8.2, 8.2, 8.2) @ 2437 MHz; Calibrated: 2022/5/2
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2022/4/21
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x101x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 0.127 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.558 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 0.156 W/kg
SAR(1 g) = 0.062 W/kg; SAR(10 g) = 0.026 W/kg
Smallest distance from peaks to all points 3 dB below = 6 mm
Ratio of SAR at M2 to SAR at M1 = 50%
Maximum value of SAR (measured) = 0.0978 W/kg



0 dB = 0.0978 W/kg = -10.10 dBW/kg

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Date: 2022/6/21

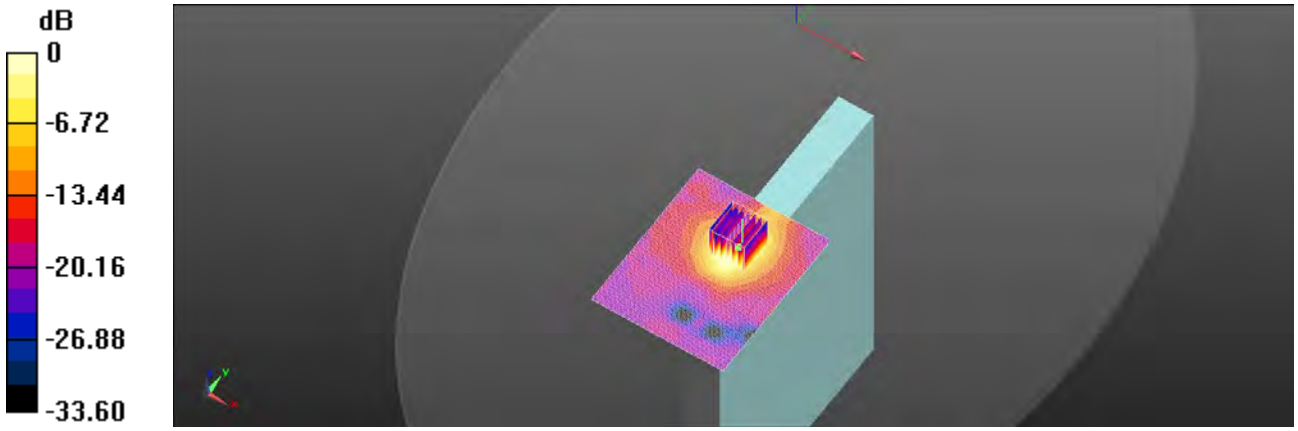
ID: 002
Report No. :TESA2206000138EN
WLAN 802.11n(40M) 5.2G_Body_Right Edge_CH 46_0mm_Main
Communication System: WLAN 5G; Frequency: 5230 MHz; Duty cycle= 1:1.032
Medium parameters used: f = 5230 MHz; σ = 4.635 S/m; ε_r = 36.93; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.8℃

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(5.6, 5.6, 5.6) @ 5230 MHz; Calibrated: 2022/5/2
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2022/4/21
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (91x111x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 2.06 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 4.225 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 3.75 W/kg
SAR(1 g) = 1.1 W/kg; SAR(10 g) = 0.364 W/kg
Smallest distance from peaks to all points 3 dB below = 5.8 mm
Ratio of SAR at M2 to SAR at M1 = 61.6%
Maximum value of SAR (measured) = 2.09 W/kg



0 dB = 2.09 W/kg = 3.20 dBW/kg

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Date: 2022/6/21

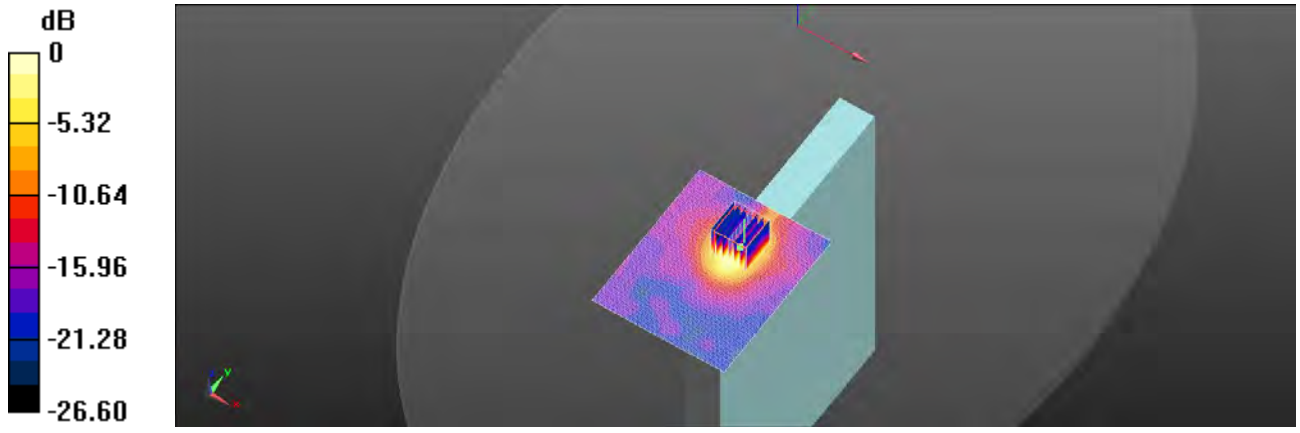
ID: 003
Report No. :TESA2206000138EN
WLAN 802.11n(40M) 5.3G_Body_Right Edge_CH 54_0mm_Main
Communication System: WLAN 5G; Frequency: 5270 MHz; Duty cycle= 1:1.032
Medium parameters used: f = 5270 MHz; σ = 4.696 S/m; ε_r = 36.876; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.8℃

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(5.49, 5.49, 5.49) @ 5270 MHz; Calibrated: 2022/5/2
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2022/4/21
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (91x111x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 2.10 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 3.485 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 3.55 W/kg
SAR(1 g) = 1.03 W/kg; SAR(10 g) = 0.343 W/kg
Smallest distance from peaks to all points 3 dB below = 6.4 mm
Ratio of SAR at M2 to SAR at M1 = 61.3%
Maximum value of SAR (measured) = 1.99 W/kg



0 dB = 1.99 W/kg = 2.99 dBW/kg

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Date: 2022/6/22

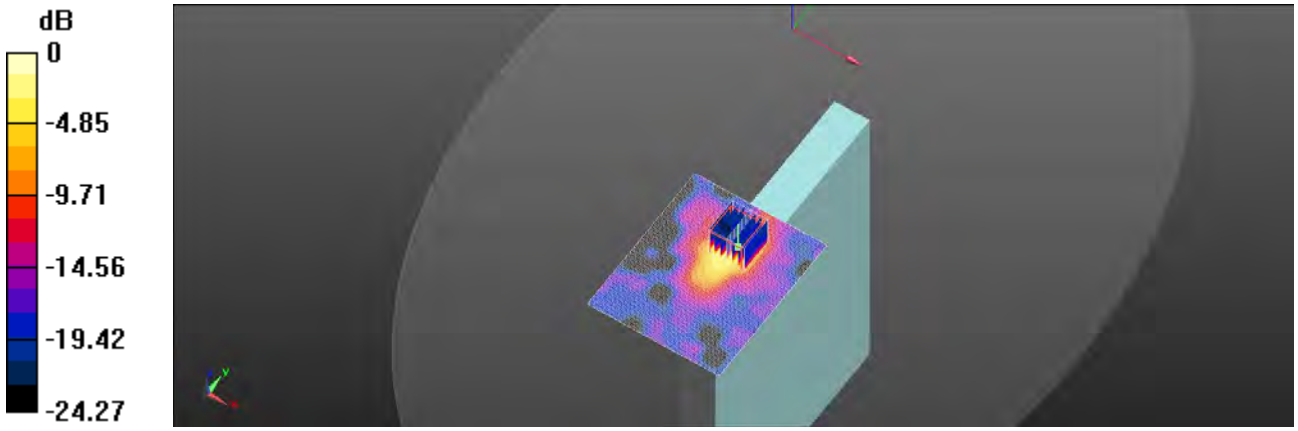
ID: 004
Report No. :TESA2206000138EN
WLAN 802.11ac(80M) 5.6G_Body_Right Edge_CH 138_0mm_Main
Communication System: WLAN 5G; Frequency: 5690 MHz; Duty cycle= 1:1.042
Medium parameters used: f = 5690 MHz; σ = 5.234 S/m; ε_r = 35.632; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.3°C; Liquid temperature: 22.0℃

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(5, 5, 5) @ 5690 MHz; Calibrated: 2022/5/2
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2022/4/21
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (91x111x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 1.28 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 2.089 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 2.96 W/kg
SAR(1 g) = 0.641 W/kg; SAR(10 g) = 0.167 W/kg
Smallest distance from peaks to all points 3 dB below = 5.1 mm
Ratio of SAR at M2 to SAR at M1 = 55.4%
Maximum value of SAR (measured) = 1.30 W/kg



0 dB = 1.30 W/kg = 1.14 dBW/kg

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Date: 2022/6/23

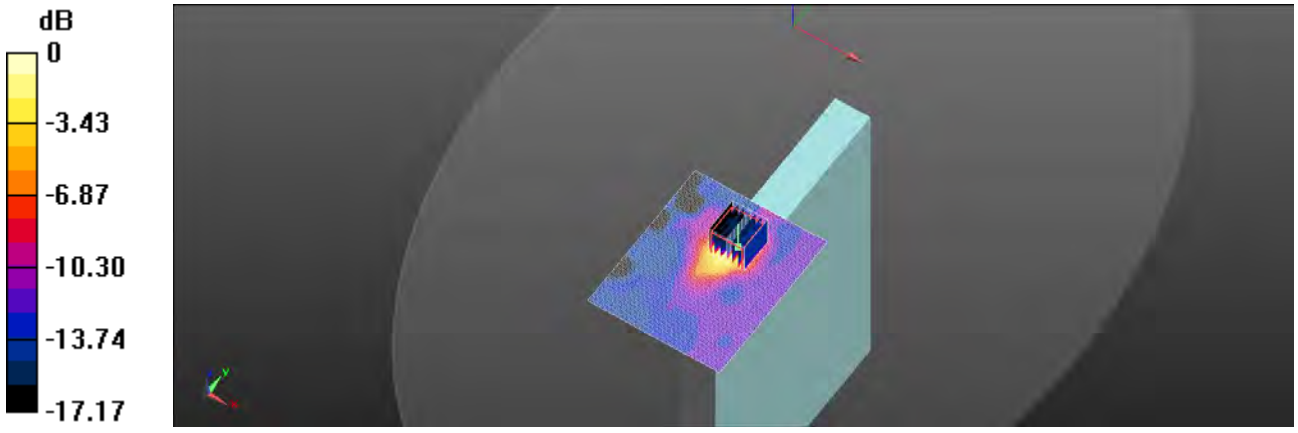
ID: 005
Report No. :TESA2206000138EN
WLAN 802.11n(40M) 5.8G_Body_Right Edge_CH 151_0mm_Main
Communication System: WLAN 5G; Frequency: 5755 MHz; Duty cycle= 1:1.032
Medium parameters used: f = 5755 MHz; σ = 5.396 S/m; ε_r = 36.356; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.9°C; Liquid temperature: 22.3℃

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(5.05, 5.05, 5.05) @ 5755 MHz; Calibrated: 2022/5/2
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2022/4/21
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (91x111x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 1.17 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 4.005 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 2.44 W/kg
SAR(1 g) = 0.487 W/kg; SAR(10 g) = 0.142 W/kg
Smallest distance from peaks to all points 3 dB below = 4.3 mm
Ratio of SAR at M2 to SAR at M1 = 53.9%
Maximum value of SAR (measured) = 1.02 W/kg



0 dB = 1.02 W/kg = 0.09 dBW/kg

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Date: 2022/6/20

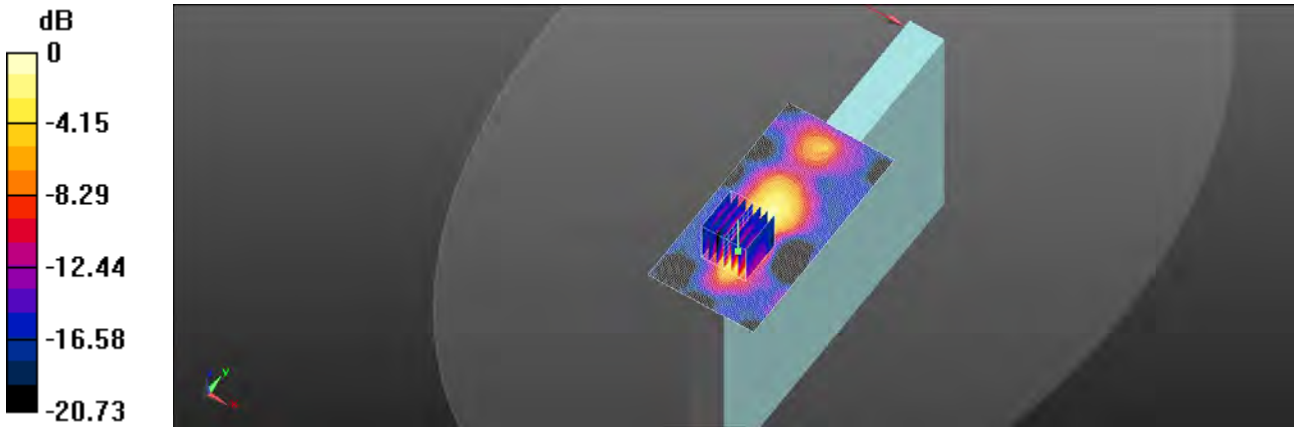
ID: 006
Report No. :TESA2206000138EN
WLAN 802.11b_Body_Top Edge_CH 1_0mm_Aux
Communication System: WLAN 2.45G; Frequency: 2412 MHz; Duty cycle= 1:1.022
Medium parameters used: f = 2412 MHz; σ = 1.812 S/m; ε_r = 37.758; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.4°C; Liquid temperature: 22.1℃

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(8.2, 8.2, 8.2) @ 2412 MHz; Calibrated: 2022/5/2
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2022/4/21
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x121x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 0.224 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.028 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.329 W/kg
SAR(1 g) = 0.133 W/kg; SAR(10 g) = 0.053 W/kg
Smallest distance from peaks to all points 3 dB below = 5.8 mm
Ratio of SAR at M2 to SAR at M1 = 45.8%
Maximum value of SAR (measured) = 0.231 W/kg



0 dB = 0.231 W/kg = -6.36 dBW/kg

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Date: 2022/6/20

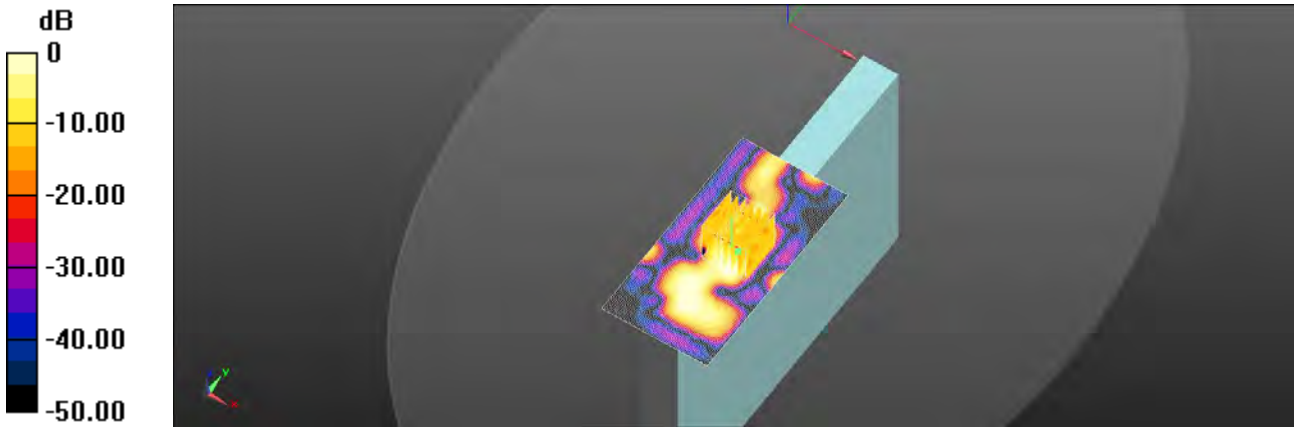
ID: 007
Report No. :TESA2206000138EN
Bluetooth(GFSK)_Body_Top Edge_CH 78_0mm_Aux
Communication System: Bluetooth; Frequency: 2480 MHz; Duty cycle= 1:1.309
Medium parameters used: f = 2480 MHz; σ = 1.867 S/m; ε_r = 37.677; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.4°C; Liquid temperature: 22.1℃

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(8.2, 8.2, 8.2) @ 2480 MHz; Calibrated: 2022/5/2
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2022/4/21
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x121x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 0.0600 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.532 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.0560 W/kg
SAR(1 g) = 0.022 W/kg; SAR(10 g) = 0.010 W/kg
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid
Ratio of SAR at M2 to SAR at M1 = 49.7%
Maximum value of SAR (measured) = 0.0342 W/kg



0 dB = 0.0342 W/kg = -14.66 dBW/kg

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Date: 2022/6/21

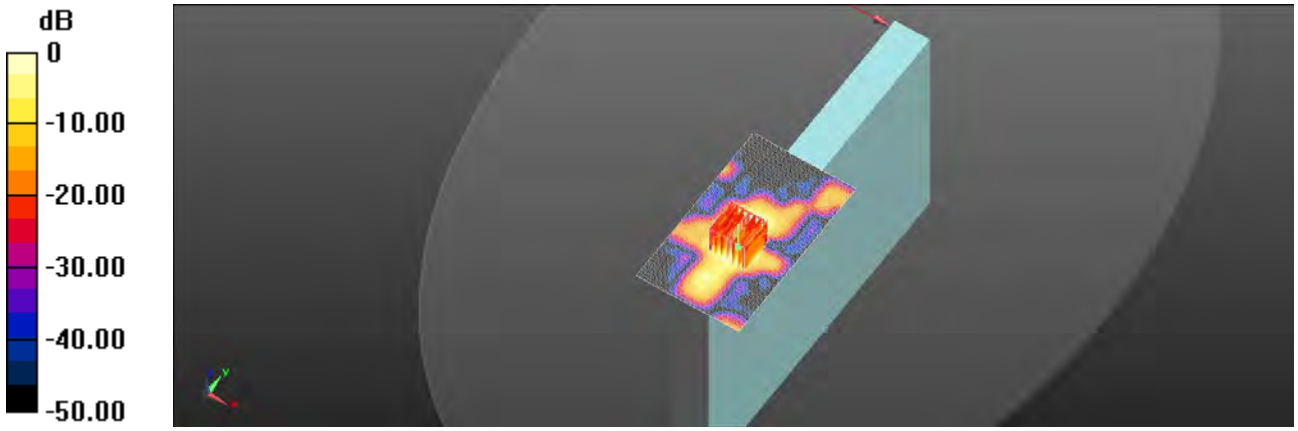
ID: 008
Report No. :TESA2206000138EN
WLAN 802.11n(40M) 5.2G_Body_Top Edge_CH 46_0mm_Aux
Communication System: WLAN 5G; Frequency: 5230 MHz; Duty cycle= 1:1.032
Medium parameters used: f = 5230 MHz; σ = 4.635 S/m; ε_r = 36.93; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.8℃

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(5.6, 5.6, 5.6) @ 5230 MHz; Calibrated: 2022/5/2
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2022/4/21
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x121x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.656 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 2.742 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 1.24 W/kg
SAR(1 g) = 0.271 W/kg; SAR(10 g) = 0.066 W/kg
Smallest distance from peaks to all points 3 dB below = 5.4 mm
Ratio of SAR at M2 to SAR at M1 = 55.8%
Maximum value of SAR (measured) = 0.612 W/kg



0 dB = 0.612 W/kg = -2.13 dBW/kg

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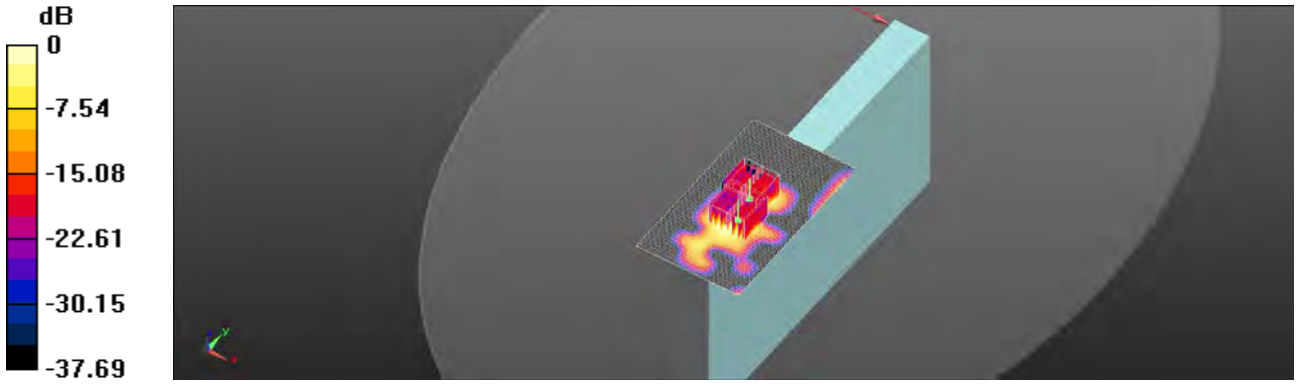
Date: 2022/6/21

ID: 009
Report No. :TESA2206000138EN
WLAN 802.11n(40M) 5.3G_Body_Top Edge_CH 54_0mm_Aux
Communication System: WLAN 5G; Frequency: 5270 MHz; Duty cycle= 1:1.032
Medium parameters used: f = 5270 MHz; σ = 4.696 S/m; ε_r = 36.876; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.8℃
DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(5.49, 5.49, 5.49) @ 5270 MHz; Calibrated: 2022/5/2
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2022/4/21
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x121x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.633 W/kg
Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 2.962 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 1.05 W/kg
SAR(1 g) = 0.242 W/kg; SAR(10 g) = 0.058 W/kg
Smallest distance from peaks to all points 3 dB below = 5.7 mm
Ratio of SAR at M2 to SAR at M1 = 57.5%
Maximum value of SAR (measured) = 0.517 W/kg
Zoom Scan (7x7x12)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 2.962 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 1.12 W/kg
SAR(1 g) = 0.240 W/kg; SAR(10 g) = 0.062 W/kg
Smallest distance from peaks to all points 3 dB below = 5.4 mm
Ratio of SAR at M2 to SAR at M1 = 55.1%
Maximum value of SAR (measured) = 0.524 W/kg



0 dB = 0.524 W/kg = -2.81 dBW/kg

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Date: 2022/6/22

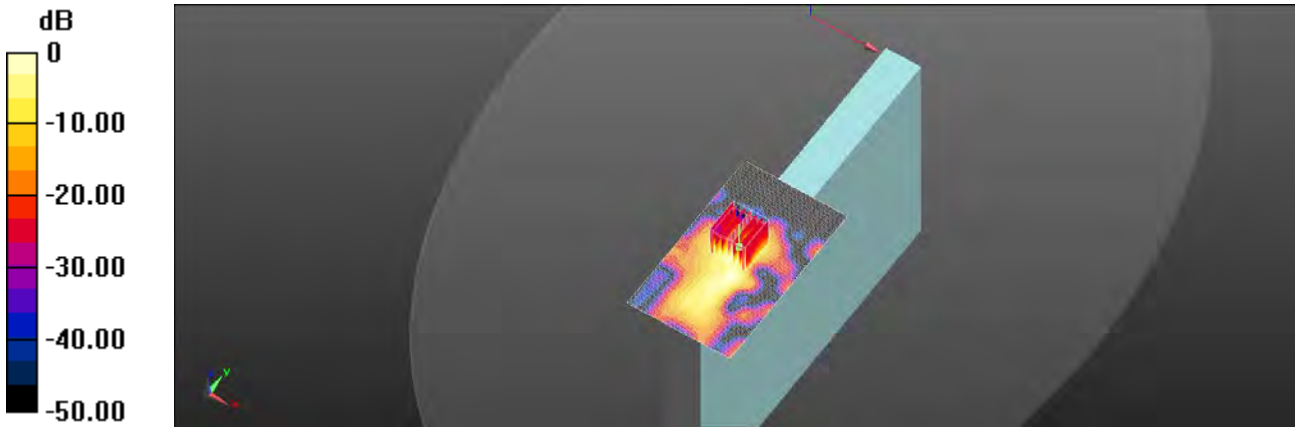
ID: 010
Report No. :TESA2206000138EN
WLAN 802.11ac(80M) 5.6G_Body_Top Edge_CH 138_0mm_Aux
Communication System: WLAN 5G; Frequency: 5690 MHz; Duty cycle= 1:1.042
Medium parameters used: f = 5690 MHz; σ = 5.234 S/m; ε_r = 35.632; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.3°C; Liquid temperature: 22.0℃

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(5, 5, 5) @ 5690 MHz; Calibrated: 2022/5/2
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2022/4/21
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x121x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 1.84 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 2.872 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 3.93 W/kg
SAR(1 g) = 0.866 W/kg; SAR(10 g) = 0.206 W/kg
Smallest distance from peaks to all points 3 dB below = 5.1 mm
Ratio of SAR at M2 to SAR at M1 = 56.9%
Maximum value of SAR (measured) = 1.91 W/kg



0 dB = 1.91 W/kg = 2.81 dBW/kg

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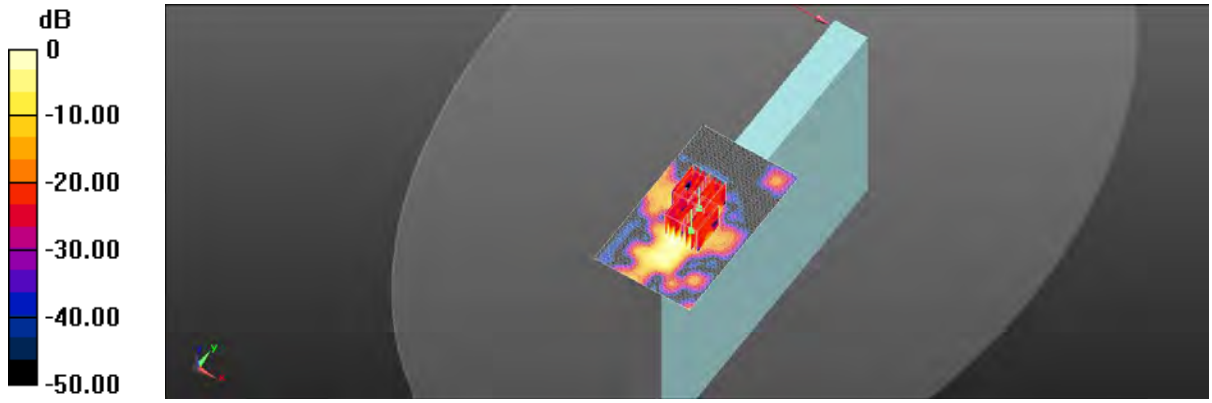
Date: 2022/6/23

ID: 011
Report No. :TESA2206000138EN
WLAN 802.11n(40M) 5.8G_Body_Top Edge_CH 159_0mm_Aux
Communication System: WLAN 5G; Frequency: 5795 MHz; Duty cycle= 1:1.032
Medium parameters used: f = 5795 MHz; σ = 5.438 S/m; ε_r = 35.313; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.9°C; Liquid temperature: 22.3℃
DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(5.05, 5.05, 5.05) @ 5795 MHz; Calibrated: 2022/5/2
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2022/4/21
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x121x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 1.04 W/kg
Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 3.114 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 1.94 W/kg
SAR(1 g) = 0.412 W/kg; SAR(10 g) = 0.097 W/kg
Smallest distance from peaks to all points 3 dB below = 4.9 mm
Ratio of SAR at M2 to SAR at M1 = 54.8%
Maximum value of SAR (measured) = 0.901 W/kg
Zoom Scan (7x7x12)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 3.114 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 2.21 W/kg
SAR(1 g) = 0.421 W/kg; SAR(10 g) = 0.092 W/kg
Smallest distance from peaks to all points 3 dB below = 4.5 mm
Ratio of SAR at M2 to SAR at M1 = 52.7%
Maximum value of SAR (measured) = 1.08 W/kg



0 dB = 1.08 W/kg = 0.33 dBW/kg

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ID: 012
Report No. :TESA2206000138EN
Measurement Report for Luna, Right Edge, U-NII-5,
IEEE 802.11ac (160MHz, MCS0, 90pc duty cycle), Channel 79 (6345.0 MHz)_Main
Ambient temperature: 22.6°C; Liquid temperature: 22.4°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Right Edge, 0.00	5.65	6.048	35.778

Hardware Setup

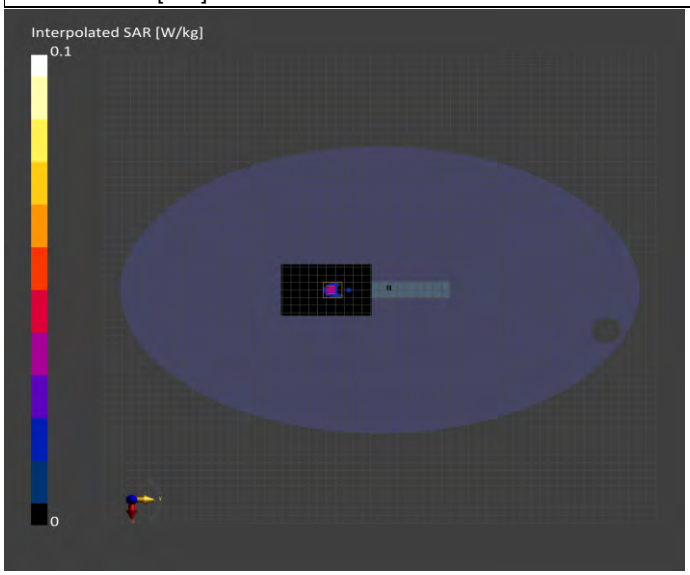
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7466, 2022-01-26	DAE4 Sn558, 2021-11-23

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	68.0 x 102.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2022-06-24	2022-06-24
psSAR1g [W/kg]	0.031	0.043
psSAR8g [W/kg]	0.008	0.014
psSAR10g [W/kg]	0.007	0.012
psPDab (4.0cm2, sq) [W/m2]		0.278
Power Drift [dB]	-0.09	0.12
M2/M1 [%]		33.3
Dist 3dB Peak [mm]		4.0



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ID: 013
Report No. :TESA2206000138EN
Measurement Report for Luna, Right Edge, U-NII-6,
IEEE 802.11ac (160MHz, MCS0, 90pc duty cycle), Channel 111 (6505.0 MHz)_Main
Ambient temperature: 22.6°C; Liquid temperature: 22.4°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Right Edge, 0.00	5.65	6.221	35.586

Hardware Setup

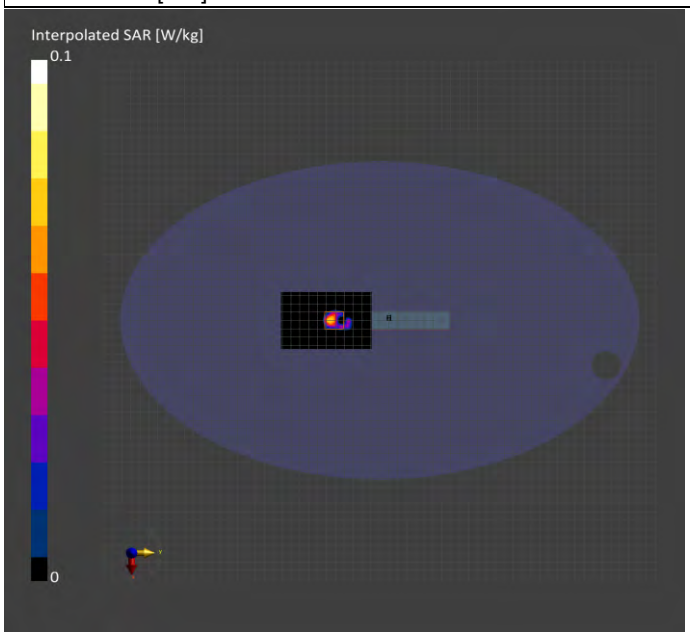
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7466, 2022-01-26	DAE4 Sn558, 2021-11-23

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	68.0 x 102.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.2
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2022-06-24	2022-06-24
psSAR1g [W/kg]	0.054	0.060
psSAR8g [W/kg]	0.015	0.017
psSAR10g [W/kg]	0.013	0.014
psPDab (4.0cm2, sq) [W/m2]		0.336
Power Drift [dB]	0.04	0.05
M2/M1 [%]		58.5
Dist 3dB Peak [mm]		4.1



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ID: 014
Report No. :TESA2206000138EN
Measurement Report for Luna, Right Edge, U-NII-7,
IEEE 802.11ac (160MHz, MCS0, 90pc duty cycle), Channel 143 (6665.0 MHz)_Main
Ambient temperature: 22.6°C; Liquid temperature: 22.4°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Right Edge, 0.00	5.65	6.396	35.394

Hardware Setup

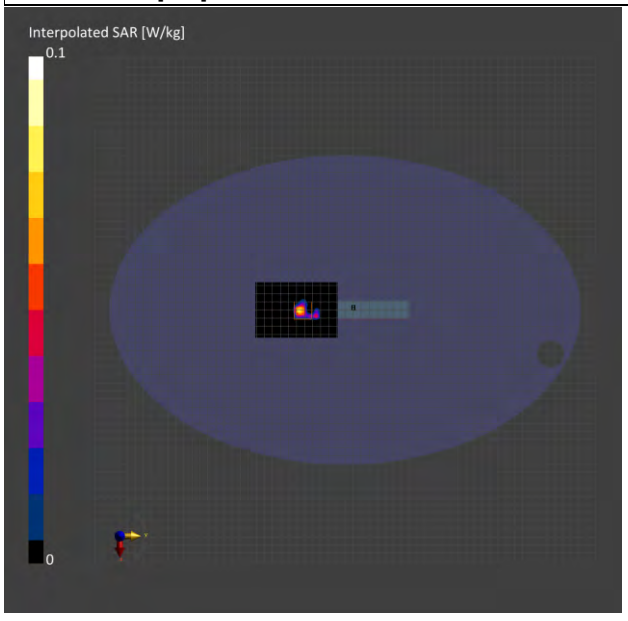
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7466, 2022-01-26	DAE4 Sn558, 2021-11-23

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	68.0 x 102.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2022-06-24	2022-06-24
psSAR1g [W/kg]	0.070	0.069
psSAR8g [W/kg]	0.018	0.019
psSAR10g [W/kg]	0.015	0.016
psPDab (4.0cm2, sq) [W/m2]		0.385
Power Drift [dB]	0.08	-0.12
M2/M1 [%]		50.6
Dist 3dB Peak [mm]		4.0



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ID: 015
Report No. :TESA2206000138EN
Measurement Report for Luna, Right Edge, U-NII-8,
IEEE 802.11ac (160MHz, MCS0, 90pc duty cycle), Channel 207 (6985.0 MHz)_Main
Ambient temperature: 22.5°C; Liquid temperature: 22.2°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Right Edge, 0.00	5.85	6.749	35.01

Hardware Setup

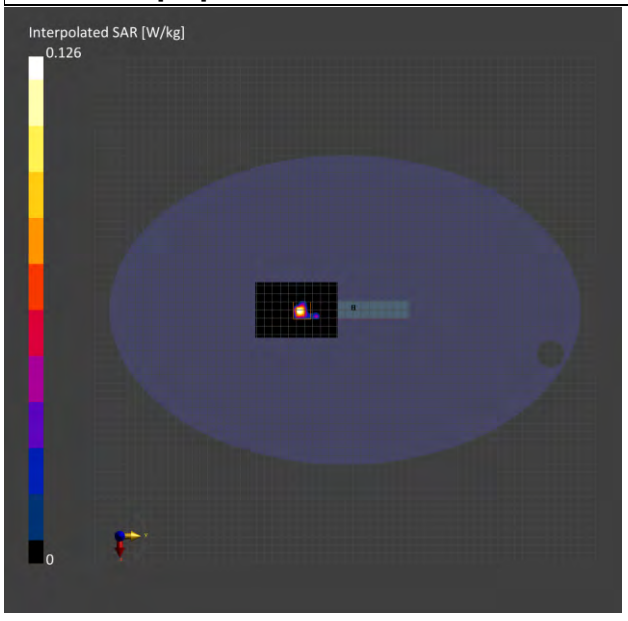
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7466, 2022-01-26	DAE4 Sn558, 2021-11-23

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	68.0 x 102.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2022-06-24	2022-06-24
psSAR1g [W/kg]	0.094	0.087
psSAR8g [W/kg]	0.023	0.026
psSAR10g [W/kg]	0.019	0.022
psPDab (4.0cm2, sq) [W/m2]		0.513
Power Drift [dB]	-0.04	-0.02
M2/M1 [%]		59.3
Dist 3dB Peak [mm]		4.8



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ID: 016
Report No. :TESA2206000138EN
Measurement Report for Luna, Top Edge, U-NII-5,
IEEE 802.11ac (160MHz, MCS0, 90pc duty cycle), Channel 47 (6185.0 MHz)_Aux
Ambient temperature: 22.6°C; Liquid temperature: 22.4°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Top Edge, 0.00	5.65	5.875	35.97

Hardware Setup

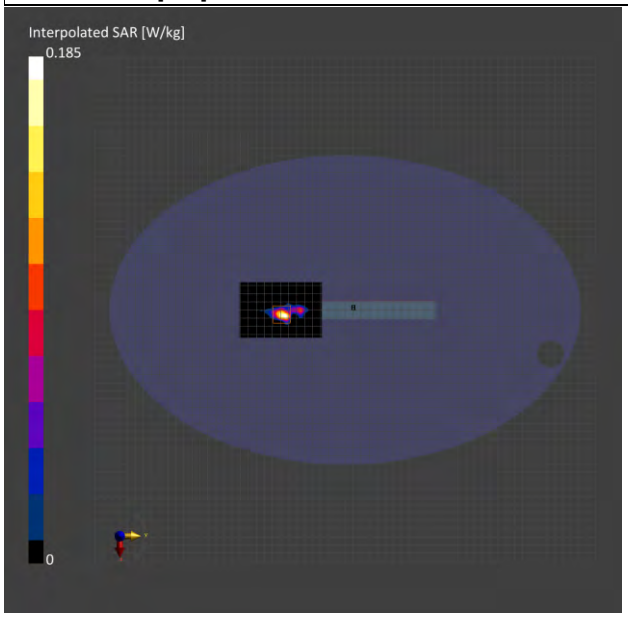
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7466, 2022-01-26	DAE4 Sn558, 2021-11-23

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	68.0 x 102.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2022-06-24	2022-06-24
psSAR1g [W/kg]	0.122	0.141
psSAR8g [W/kg]	0.035	0.042
psSAR10g [W/kg]	0.030	0.036
psPDab (4.0cm2, sq) [W/m2]		0.843
Power Drift [dB]	0.13	-0.18
M2/M1 [%]		52.7
Dist 3dB Peak [mm]		5.2



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ID: 017
Report No. :TESA2206000138EN
Measurement Report for Luna, Top Edge, U-NII-6,
IEEE 802.11ac (160MHz, MCS0, 90pc duty cycle), Channel 111 (6505.0 MHz)_Aux
Ambient temperature: 22.6°C; Liquid temperature: 22.4°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Top Edge, 0.00	5.65	6.221	35.586

Hardware Setup

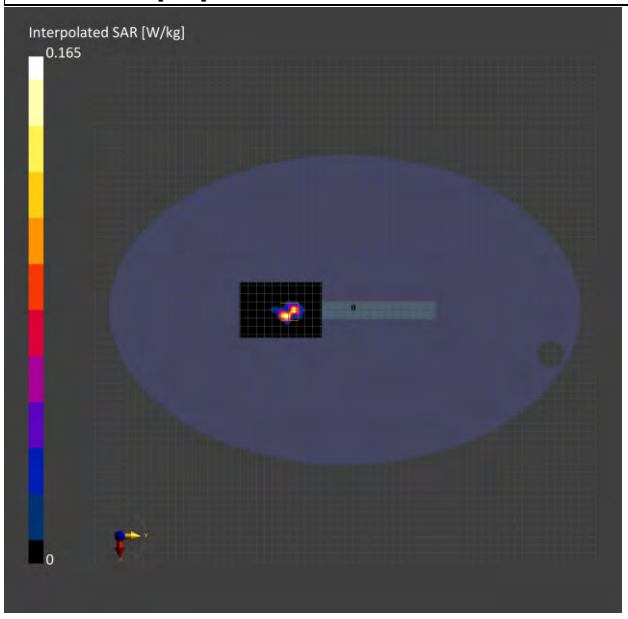
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7466, 2022-01-26	DAE4 Sn558, 2021-11-23

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	68.0 x 102.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.2
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2022-06-24	2022-06-24
psSAR1g [W/kg]	0.099	0.111
psSAR8g [W/kg]	0.032	0.033
psSAR10g [W/kg]	0.028	0.029
psPDab (4.0cm2, sq) [W/m2]		0.650
Power Drift [dB]	0.19	-0.17
M2/M1 [%]		61.4
Dist 3dB Peak [mm]		4.1



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ID: 018
Report No. :TESA2206000138EN
Measurement Report for Luna, Top Edge, U-NII-7,
IEEE 802.11ac (160MHz, MCS0, 90pc duty cycle), Channel 175 (6825.0 MHz)_Aux
Ambient temperature: 22.6°C; Liquid temperature: 22.4°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Top Edge, 0.00	5.65	6.572	35.202

Hardware Setup

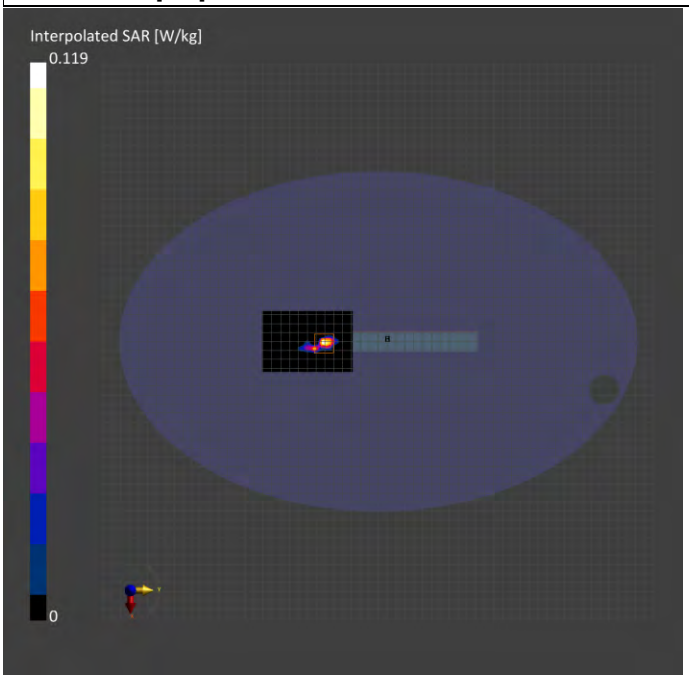
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7466, 2022-01-26	DAE4 Sn558, 2021-11-23

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	68.0 x 102.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2022-06-24	2022-06-24
psSAR1g [W/kg]	0.072	0.078
psSAR8g [W/kg]	0.017	0.019
psSAR10g [W/kg]	0.014	0.016
psPDab (4.0cm2, sq) [W/m2]		0.381
Power Drift [dB]	0.06	-0.03
M2/M1 [%]		61.9
Dist 3dB Peak [mm]		4.1



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ID: 019
Report No. :TESA2206000138EN
Measurement Report for Luna, Top Edge, U-NII-8,
IEEE 802.11ac (160MHz, MCS0, 90pc duty cycle), Channel 207 (6985.0 MHz)_Aux
Ambient temperature: 22.5°C; Liquid temperature: 22.2°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Top Edge, 0.00	5.85	6.749	35.01

Hardware Setup

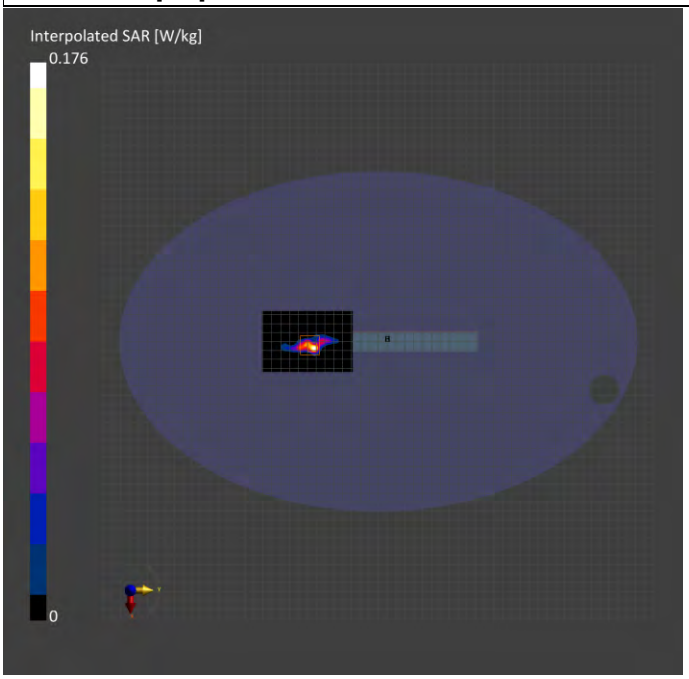
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7466, 2022-01-26	DAE4 Sn558, 2021-11-23

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	68.0 x 102.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2022-06-24	2022-06-24
psSAR1g [W/kg]	0.103	0.128
psSAR8g [W/kg]	0.031	0.033
psSAR10g [W/kg]	0.026	0.028
psPDab (4.0cm2, sq) [W/m2]		0.669
Power Drift [dB]	0.08	-0.09
M2/M1 [%]		44.4
Dist 3dB Peak [mm]		5.3



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13 PD MEASUREMENT RESULT

ID: 020
Report No. :TESA2206000138EN
Measurement Report for Luna, Right Edge, U-NII-5,
IEEE 802.11ac (160MHz, MCS0, 90pc duty cycle), Channel 15 (6025.0 MHz)_Main

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Conversion Factor
5G	Right Edge, 2.00	1.0

Hardware Setup

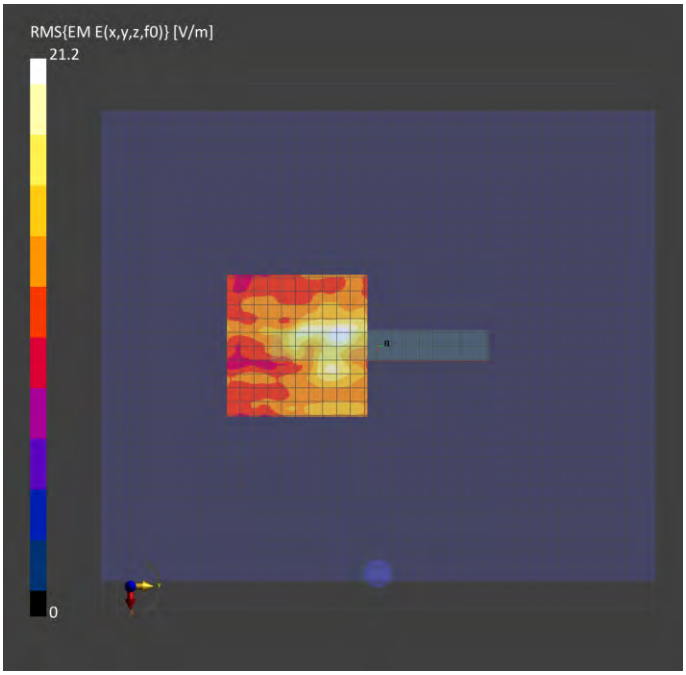
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1076	Air -	EUmmWV4 - SN9579_F1-55GHz, 2021-10-06	DAE4 Sn558, 2021-11-23

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	100.0 x 100.0
Grid Steps [lambda]	0.0625 x 0.0625
Sensor Surface [mm]	2.0

Measurement Results

Scan Type	5G Scan
Date	2022-06-25
Avg. Area [cm^2]	4.00
psPDn+ [W/m^2]	0.831
psPDtot+ [W/m^2]	0.846
psPDmod+ [W/m^2]	0.878
E_{max} [V/m]	21.2
Power Drift [dB]	0.07



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ID: 021
Report No. :TESA2206000138EN
Measurement Report for Luna, Right Edge, U-NII-5,
IEEE 802.11ac (160MHz, MCS0, 90pc duty cycle), Channel 79 (6345.0 MHz)_Main

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Conversion Factor
5G	Right Edge, 2.00	1.0

Hardware Setup

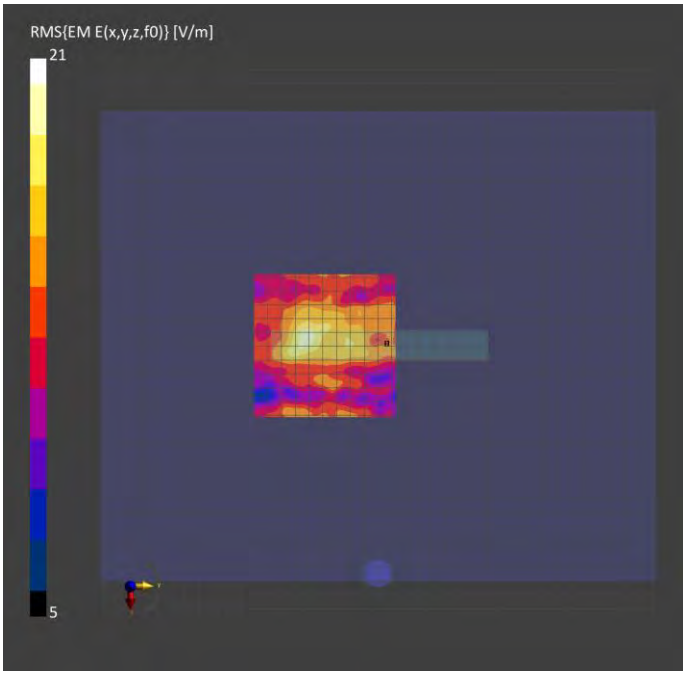
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1076	Air -	EUmmWV4 - SN9579_F1-55GHz, 2021-10-06	DAE4 Sn558, 2021-11-23

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	100.0 x 100.0
Grid Steps [lambda]	0.0625 x 0.0625
Sensor Surface [mm]	2.0

Measurement Results

Scan Type	5G Scan
Date	2022-06-25
Avg. Area [cm^2]	4.00
psPDn+ [W/m^2]	0.785
psPDtot+ [W/m^2]	0.796
psPDmod+ [W/m^2]	0.820
E_{max} [V/m]	19.0
Power Drift [dB]	0.05



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ID: 022
Report No. :TESA2206000138EN
Measurement Report for Luna, Right Edge, U-NII-6,
IEEE 802.11ac (160MHz, MCS0, 90pc duty cycle), Channel 111 (6505.0 MHz)_Main

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Conversion Factor
5G	Right Edge, 2.00	1.0

Hardware Setup

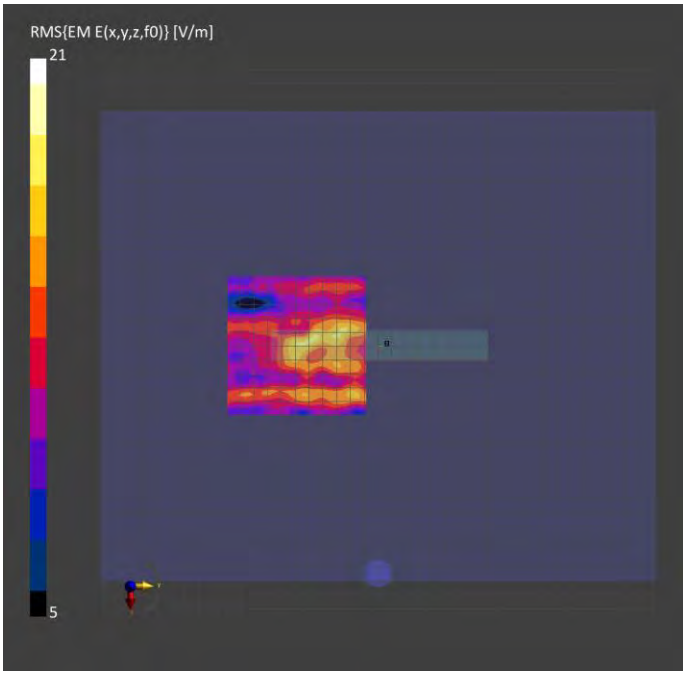
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1076	Air -	EUmmWV4 - SN9579_F1-55GHz, 2021-10-06	DAE4 Sn558, 2021-11-23

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	100.0 x 100.0
Grid Steps [lambda]	0.0625 x 0.0625
Sensor Surface [mm]	2.0

Measurement Results

Scan Type	5G Scan
Date	2022-06-25
Avg. Area [cm^2]	4.00
psPDn+ [W/m^2]	0.598
psPDtot+ [W/m^2]	0.619
psPDmod+ [W/m^2]	0.637
E_{max} [V/m]	17.4
Power Drift [dB]	-0.03



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ID: 023
Report No. :TESA2206000138EN
Measurement Report for Luna, Right Edge, U-NII-7,
IEEE 802.11ac (160MHz, MCS0, 90pc duty cycle), Channel 143 (6665.0 MHz)_Main

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Conversion Factor
5G	Right Edge, 2.00	1.0

Hardware Setup

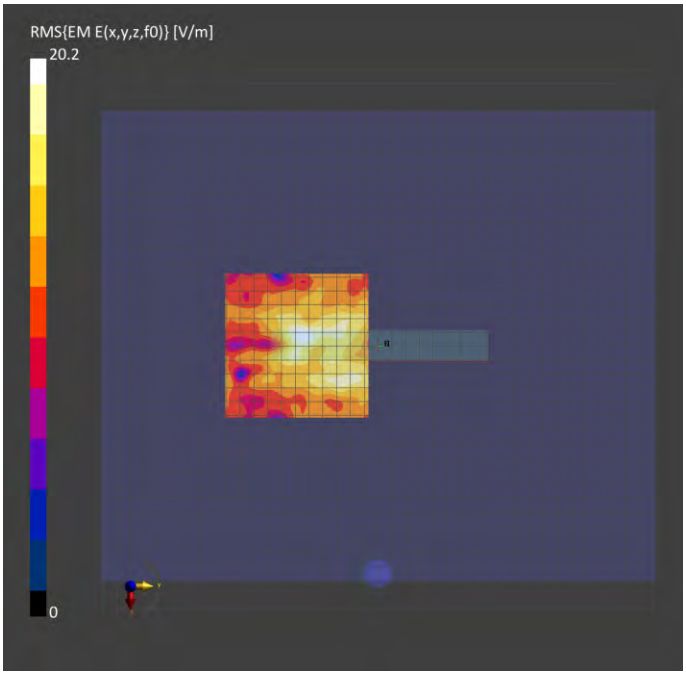
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1076	Air -	EUmmWV4 - SN9579_F1-55GHz, 2021-10-06	DAE4 Sn558, 2021-11-23

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	100.0 x 100.0
Grid Steps [lambda]	0.0625 x 0.0625
Sensor Surface [mm]	2.0

Measurement Results

Scan Type	5G Scan
Date	2022-06-25
Avg. Area [cm^2]	4.00
psPDn+ [W/m^2]	0.732
psPDtot+ [W/m^2]	0.763
psPDmod+ [W/m^2]	0.792
E_{max} [V/m]	20.2
Power Drift [dB]	0.08



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ID: 024
Report No. :TESA2206000138EN
Measurement Report for Luna, Right Edge, U-NII-8,
IEEE 802.11ac (160MHz, MCS0, 90pc duty cycle), Channel 207 (6985.0 MHz)_Main

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Conversion Factor
5G	Right Edge, 2.00	1.0

Hardware Setup

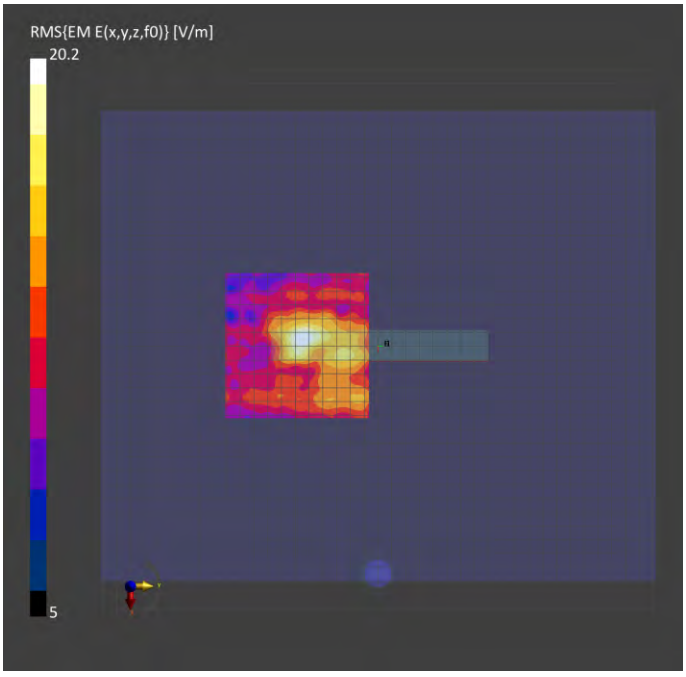
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1076	Air -	EUmmWV4 - SN9579_F1-55GHz, 2021-10-06	DAE4 Sn558, 2021-11-23

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	100.0 x 100.0
Grid Steps [lambda]	0.0625 x 0.0625
Sensor Surface [mm]	2.0

Measurement Results

Scan Type	5G Scan
Date	2022-06-25
Avg. Area [cm^2]	4.00
psPDn+ [W/m^2]	0.728
psPDtot+ [W/m^2]	0.742
psPDmod+ [W/m^2]	0.757
E_{max} [V/m]	20.2
Power Drift [dB]	0.04



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ID: 025
Report No. :TESA2206000138EN
Measurement Report for Luna, Top Edge, U-NII-5,
IEEE 802.11ac (160MHz, MCS0, 90pc duty cycle), Channel 15 (6025.0 MHz)_Aux

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Conversion Factor
5G	Top Edge, 2.00	1.0

Hardware Setup

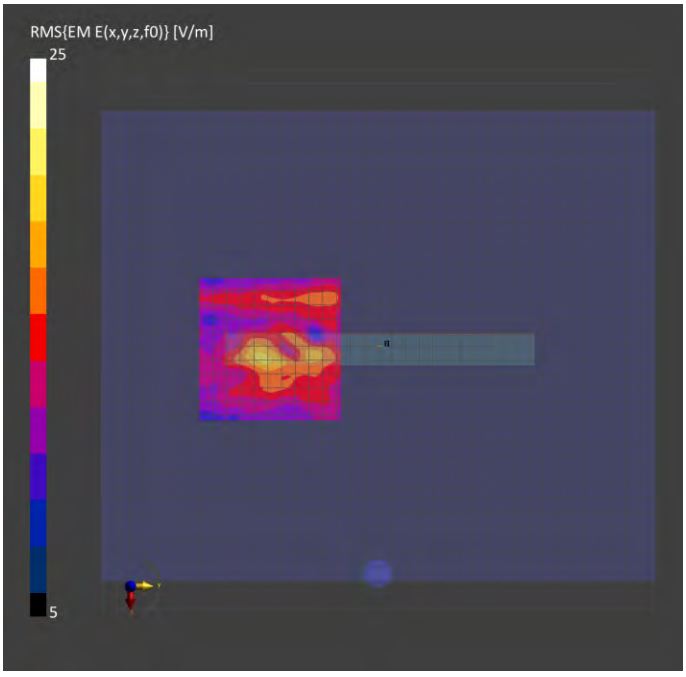
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1076	Air -	EUmmWV4 - SN9579_F1-55GHz, 2021-10-06	DAE4 Sn558, 2021-11-23

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	100.0 x 100.0
Grid Steps [lambda]	0.0625 x 0.0625
Sensor Surface [mm]	2.0

Measurement Results

Scan Type	5G Scan
Date	2022-06-25
Avg. Area [cm^2]	4.00
psPDn+ [W/m^2]	0.767
psPDtot+ [W/m^2]	0.775
psPDmod+ [W/m^2]	0.786
E_{max} [V/m]	19.4
Power Drift [dB]	0.13



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ID: 026
Report No. :TESA2206000138EN
Measurement Report for Luna, Top Edge, U-NII-5,
IEEE 802.11ac (160MHz, MCS0, 90pc duty cycle), Channel 47 (6185.0 MHz)_Aux

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Conversion Factor
5G	Top Edge, 2.00	1.0

Hardware Setup

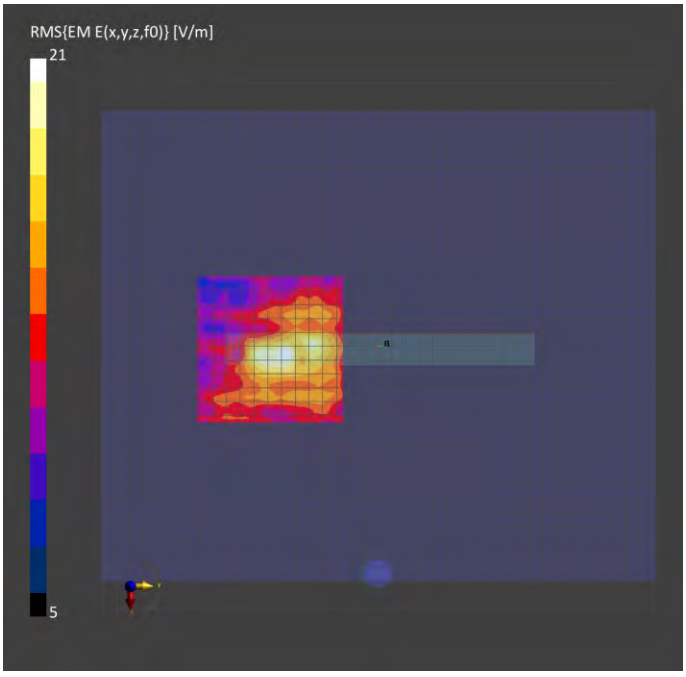
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1076	Air -	EUmmWV4 - SN9579_F1-55GHz, 2021-10-06	DAE4 Sn558, 2021-11-23

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	100.0 x 100.0
Grid Steps [lambda]	0.0625 x 0.0625
Sensor Surface [mm]	2.0

Measurement Results

Scan Type	5G Scan
Date	2022-06-25
Avg. Area [cm^2]	4.00
psPDn+ [W/m^2]	0.802
psPDtot+ [W/m^2]	0.911
psPDmod+ [W/m^2]	0.996
E_{max} [V/m]	21.0
Power Drift [dB]	0.04



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ID: 027
Report No. :TESA2206000138EN
Measurement Report for Luna, Top Edge, U-NII-6,
IEEE 802.11ac (160MHz, MCS0, 90pc duty cycle), Channel 111 (6505.0 MHz)_Aux

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Conversion Factor
5G	Top Edge, 2.00	1.0

Hardware Setup

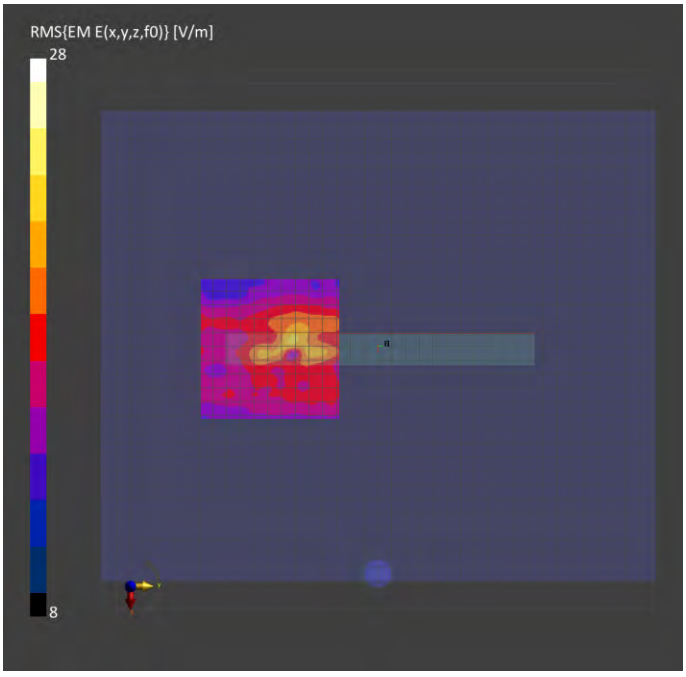
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1076	Air -	EUmmWV4 - SN9579_F1-55GHz, 2021-10-06	DAE4 Sn558, 2021-11-23

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	100.0 x 100.0
Grid Steps [lambda]	0.0625 x 0.0625
Sensor Surface [mm]	2.0

Measurement Results

Scan Type	5G Scan
Date	2022-06-25
Avg. Area [cm^2]	4.00
psPDn+ [W/m^2]	1.06
psPDtot+ [W/m^2]	1.08
psPDmod+ [W/m^2]	1.11
E_{max} [V/m]	22.3
Power Drift [dB]	0.11



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ID: 028
Report No. :TESA2206000138EN
Measurement Report for Luna, Top Edge, U-NII-7,
IEEE 802.11ac (160MHz, MCS0, 90pc duty cycle), Channel 175 (6825.0 MHz)_Aux

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Conversion Factor
5G	Top Edge, 2.00	1.0

Hardware Setup

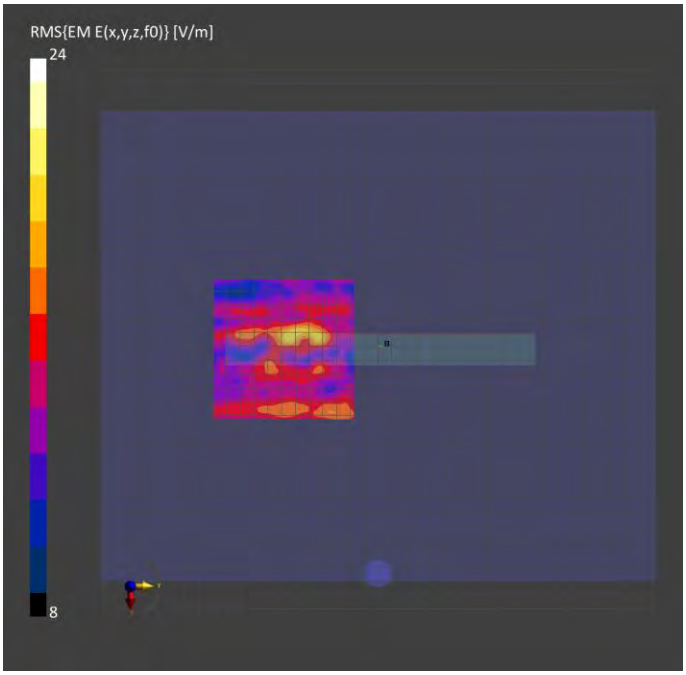
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1076	Air -	EUmmWV4 - SN9579_F1-55GHz, 2021-10-06	DAE4 Sn558, 2021-11-23

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	100.0 x 100.0
Grid Steps [lambda]	0.0625 x 0.0625
Sensor Surface [mm]	2.0

Measurement Results

Scan Type	5G Scan
Date	2022-06-25
Avg. Area [cm^2]	4.00
psPDn+ [W/m^2]	0.853
psPDtot+ [W/m^2]	0.861
psPDmod+ [W/m^2]	0.886
E_{max} [V/m]	20.3
Power Drift [dB]	0.09



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ID: 029
Report No. :TESA2206000138EN
Measurement Report for Luna, Top Edge, U-NII-8,
IEEE 802.11ac (160MHz, MCS0, 90pc duty cycle), Channel 207 (6985.0 MHz)_Aux

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Conversion Factor
5G	Top Edge, 2.00”	1.0

Hardware Setup

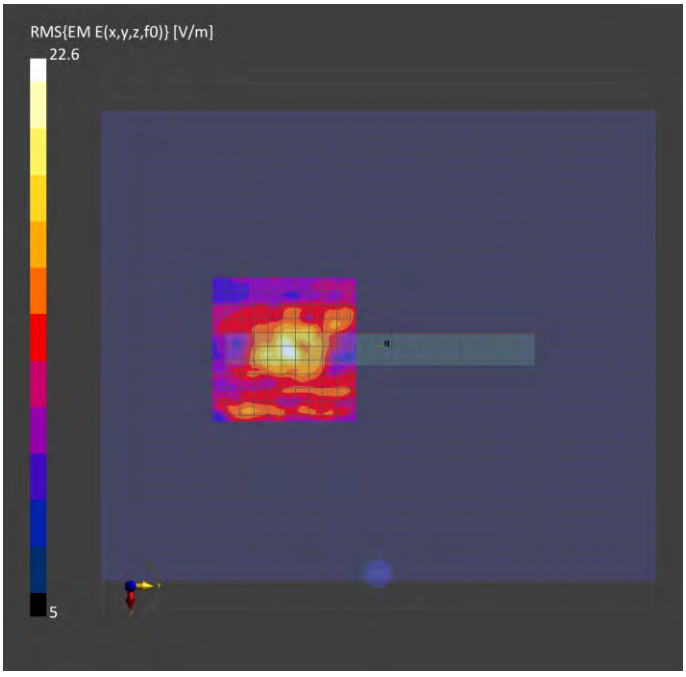
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1076	Air -	EUmmWV4 - SN9579_F1-55GHz, 2021-10-06	DAE4 Sn558, 2021-11-23

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	100.0 x 100.0
Grid Steps [lambda]	0.0625 x 0.0625
Sensor Surface [mm]	2.0

Measurement Results

Scan Type	5G Scan
Date	2022-06-25
Avg. Area [cm^2]	4.00
psPDn+ [W/m^2]	0.701
psPDtot+ [W/m^2]	0.787
psPDmod+ [W/m^2]	0.924
E_{max} [V/m]	22.6
Power Drift [dB]	-0.07



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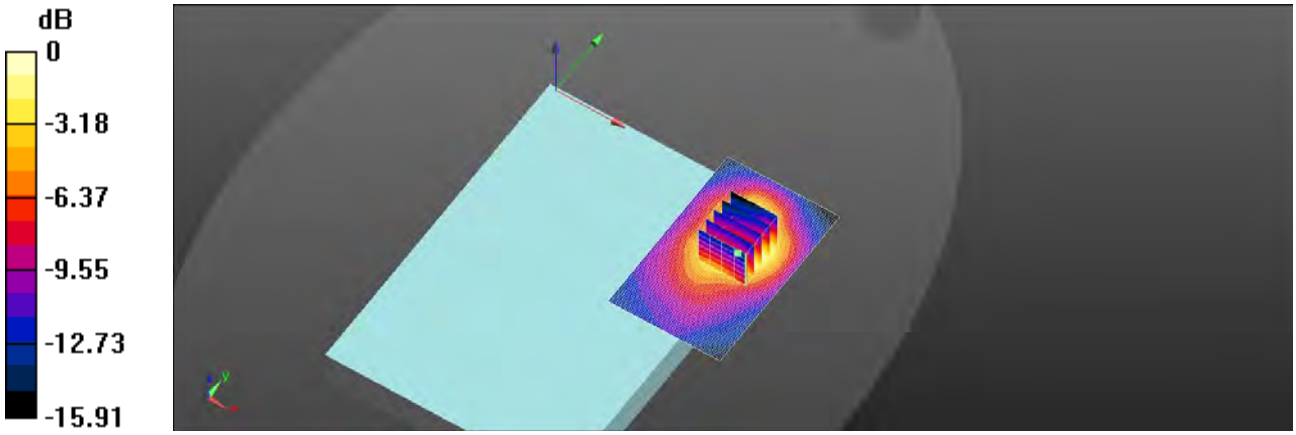
ID: 030
Report No. :TESA2211000479EN
WCDMA Band II_Body_Back Surface_CH 9262_5mm
Communication System: WCDMA; Frequency: 1852.4 MHz; Duty cycle= 1:1
Medium parameters used: f = 1852.4 MHz; σ = 1.399 S/m; ε_r = 40.311; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.1°C; Liquid temperature: 22.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(8.44, 8.44, 8.44) @ 1852.4 MHz; Calibrated: 2022/1/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2022/9/22
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x81x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.166 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.543 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.231 W/kg
SAR(1 g) = 0.132 W/kg; SAR(10 g) = 0.072 W/kg
Smallest distance from peaks to all points 3 dB below = 12.2 mm
Ratio of SAR at M2 to SAR at M1 = 58.4%
Maximum value of SAR (measured) = 0.186 W/kg



0 dB = 0.166 W/kg = -7.80 dBW/kg

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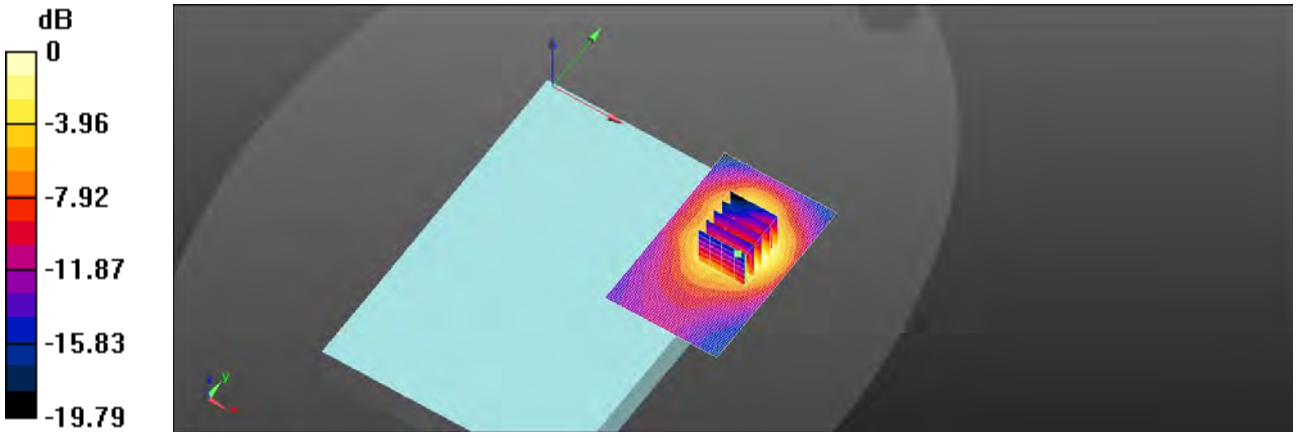
ID: 031
Report No. :TESA2211000479EN
WCDMA Band IV_Body_Back Surface_CH 1412_5mm
Communication System: WCDMA; Frequency: 1732.4 MHz; Duty cycle= 1:1
Medium parameters used: f = 1732.4 MHz; σ = 1.356 S/m; ε_r = 40.516; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.6°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(8.9, 8.9, 8.9) @ 1732.4 MHz; Calibrated: 2022/1/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2022/9/22
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x81x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.288 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.846 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.397 W/kg
SAR(1 g) = 0.235 W/kg; SAR(10 g) = 0.130 W/kg
Smallest distance from peaks to all points 3 dB below = 12.2 mm
Ratio of SAR at M2 to SAR at M1 = 60.4%
Maximum value of SAR (measured) = 0.315 W/kg



0 dB = 0.288 W/kg = -5.41 dBW/kg

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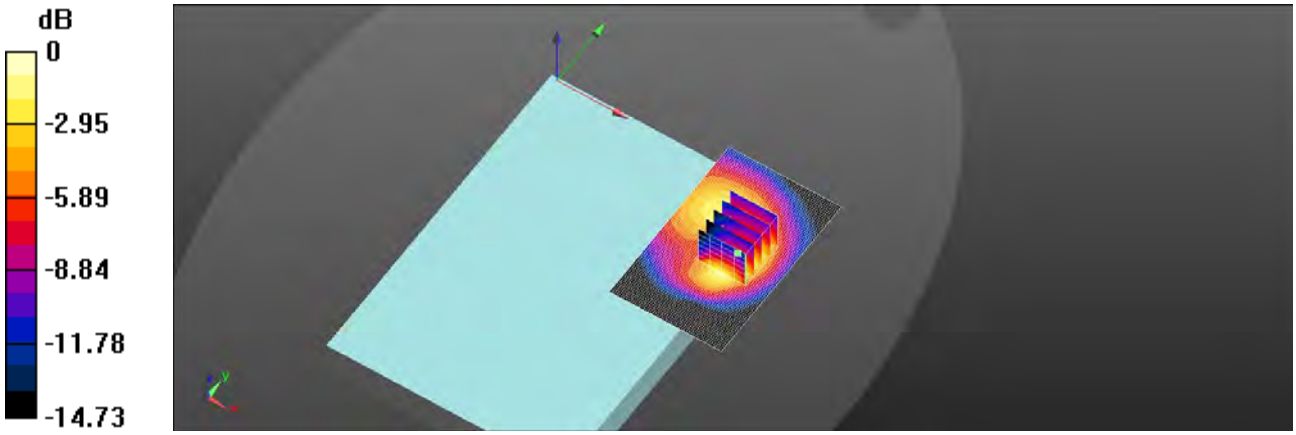
ID: 032
Report No. :TESA2211000479EN
WCDMA Band V_Body_Back Surface_CH 4233_5mm
Communication System: WCDMA; Frequency: 846.6 MHz; Duty cycle= 1:1
Medium parameters used: f = 847 MHz; σ = 0.908 S/m; ε_r = 41.913; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.4°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(10.04, 10.04, 10.04) @ 846.6 MHz; Calibrated: 2022/1/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2022/9/22
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x81x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.103 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.193 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.129 W/kg
SAR(1 g) = 0.073 W/kg; SAR(10 g) = 0.042 W/kg
Smallest distance from peaks to all points 3 dB below = 10.7 mm
Ratio of SAR at M2 to SAR at M1 = 58.4%
Maximum value of SAR (measured) = 0.101 W/kg



0 dB = 0.101 W/kg = -9.96 dBW/kg

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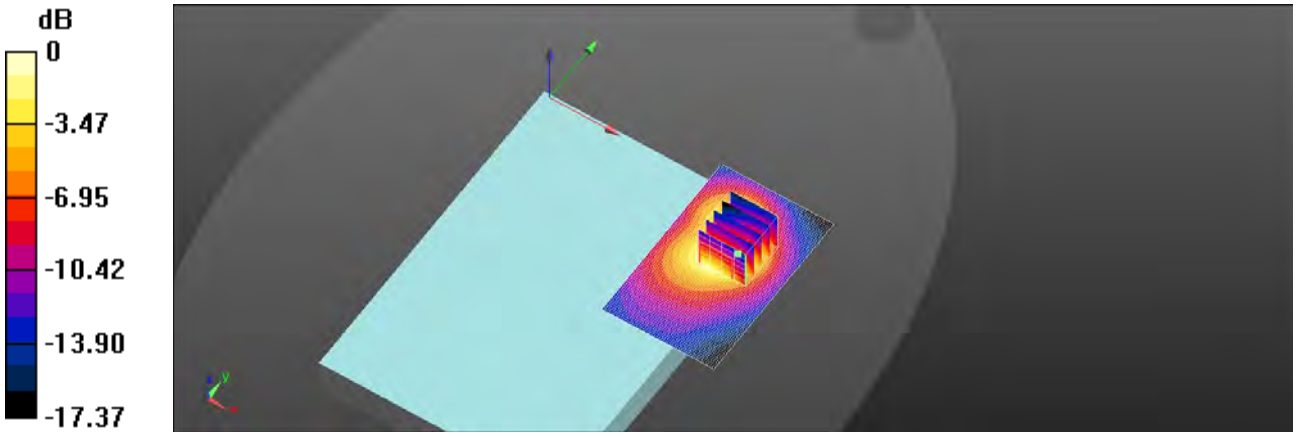
ID: 033
Report No. :TESA2211000479EN
LTE Band 2 (20MHz)_Body_Back Surface_CH 18700_QPSK_1-0_5mm
Communication System: LTE; Frequency: 1860 MHz; Duty cycle= 1:1
Medium parameters used: f = 1860 MHz; σ = 1.407 S/m; ε_r = 40.303; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.1°C; Liquid temperature: 22.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(8.44, 8.44, 8.44) @ 1860 MHz; Calibrated: 2022/1/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2022/9/22
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x81x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.438 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.426 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.586 W/kg
SAR(1 g) = 0.336 W/kg; SAR(10 g) = 0.181 W/kg
Smallest distance from peaks to all points 3 dB below = 11.3 mm
Ratio of SAR at M2 to SAR at M1 = 58.7%
Maximum value of SAR (measured) = 0.460 W/kg



0 dB = 0.438 W/kg = -3.58 dBW/kg

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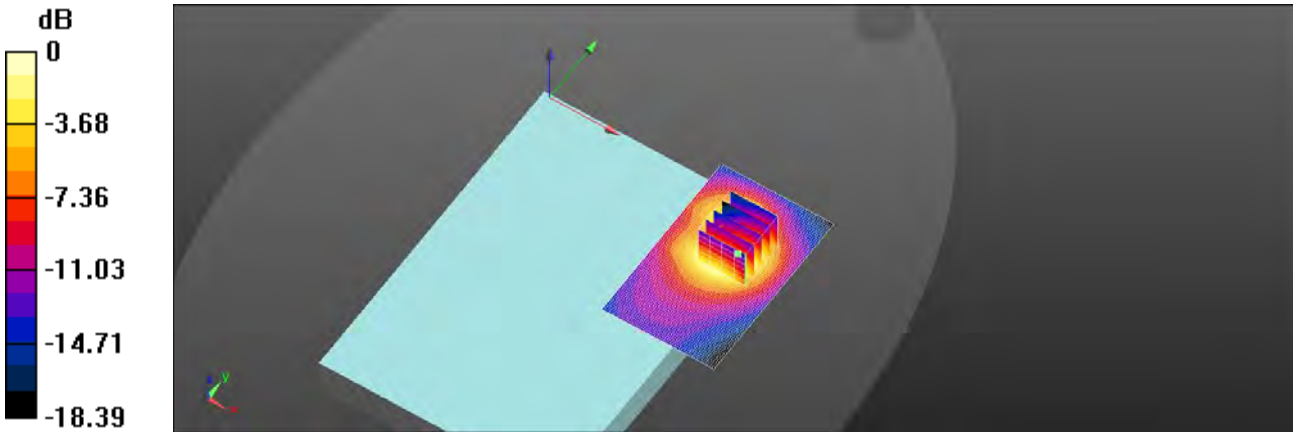
ID: 034
Report No. :TESA2211000479EN
LTE Band 4 (20MHz)_Body_Back Surface_CH 20175_QPSK_1-0_5mm
Communication System: LTE; Frequency: 1732.5 MHz; Duty cycle= 1:1
Medium parameters used: f = 1732.5 MHz; σ = 1.355 S/m; ε_r = 40.515; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.6°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(8.9, 8.9, 8.9) @ 1732.5 MHz; Calibrated: 2022/1/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2022/9/22
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x81x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.654 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.629 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.846 W/kg
SAR(1 g) = 0.494 W/kg; SAR(10 g) = 0.273 W/kg
Smallest distance from peaks to all points 3 dB below = 10.2 mm
Ratio of SAR at M2 to SAR at M1 = 59.5%
Maximum value of SAR (measured) = 0.657 W/kg



0 dB = 0.654 W/kg = -1.85 dBW/kg

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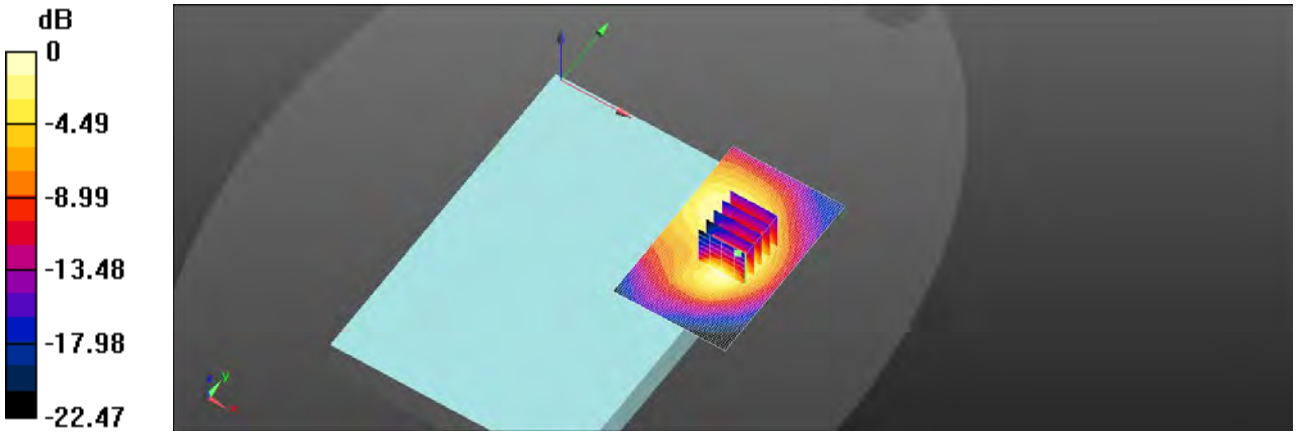
ID: 035
Report No. :TESA2211000479EN
LTE Band 5 (10MHz)_Body_Back Surface_CH 20600_QPSK_1-0_5mm
Communication System: LTE; Frequency: 844 MHz; Duty cycle= 1:1
Medium parameters used: f = 844 MHz; σ = 0.904 S/m; ε_r = 41.92; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.4°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(10.04, 10.04, 10.04) @ 844 MHz; Calibrated: 2022/1/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2022/9/22
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x81x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.171 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.034 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.236 W/kg
SAR(1 g) = 0.131 W/kg; SAR(10 g) = 0.075 W/kg
Smallest distance from peaks to all points 3 dB below = 8.2 mm
Ratio of SAR at M2 to SAR at M1 = 59.6%
Maximum value of SAR (measured) = 0.177 W/kg



0 dB = 0.171 W/kg = -7.67 dBW/kg

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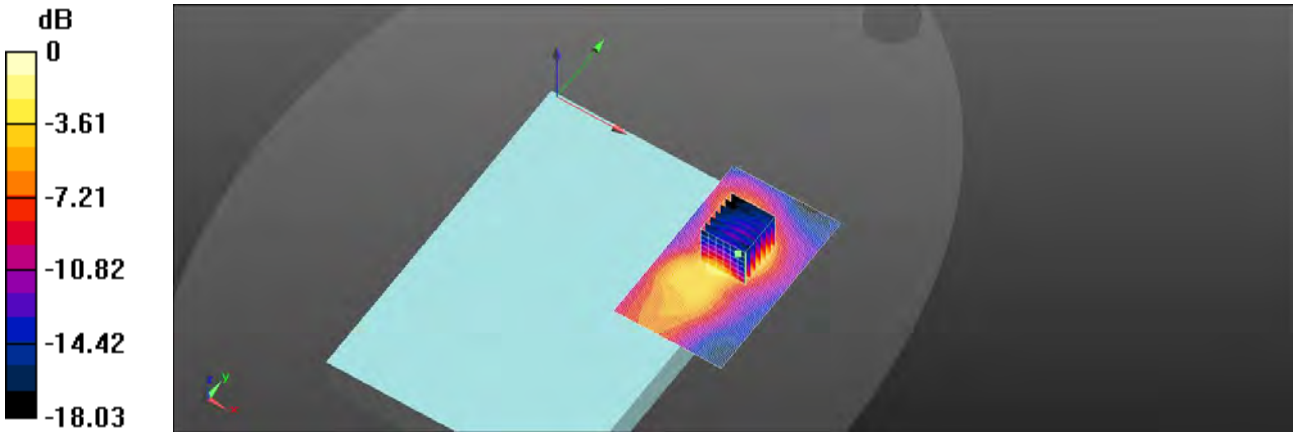
ID: 036
Report No. :TESA2211000479EN
LTE Band 7 (20MHz)_Body_Back Surface_CH 21350_QPSK_1-0_5mm
Communication System: LTE; Frequency: 2560 MHz; Duty cycle= 1:1
Medium parameters used: f = 2560 MHz; σ = 1.932 S/m; ε_r = 39.175; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.5°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(7.78, 7.78, 7.78) @ 2560 MHz; Calibrated: 2022/1/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2022/9/22
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x101x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 0.261 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.302 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.349 W/kg
SAR(1 g) = 0.175 W/kg; SAR(10 g) = 0.080 W/kg
Smallest distance from peaks to all points 3 dB below = 7.8 mm
Ratio of SAR at M2 to SAR at M1 = 53.3%
Maximum value of SAR (measured) = 0.260 W/kg



0 dB = 0.261 W/kg = -5.83 dBW/kg

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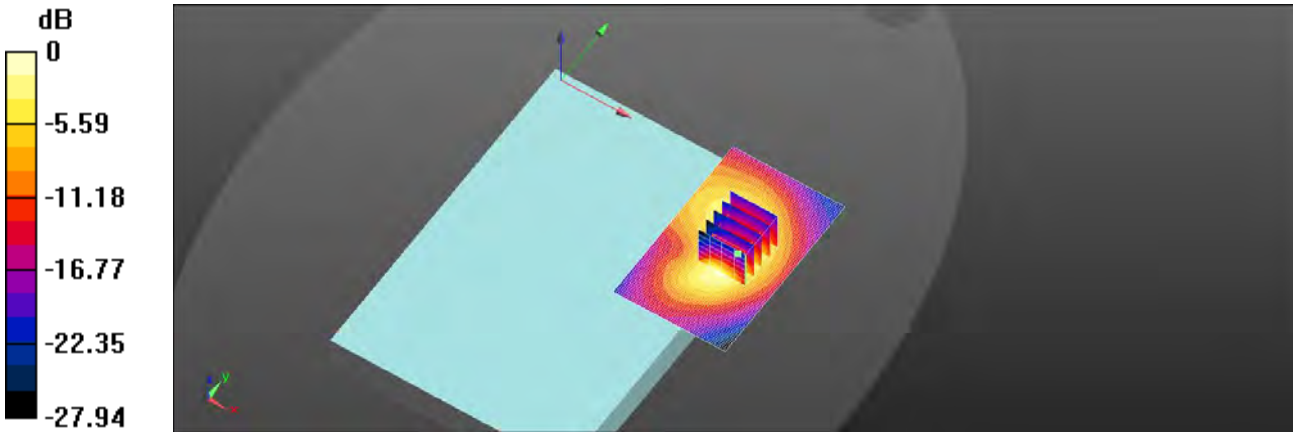
ID: 037
Report No. :TESA2211000479EN
LTE Band 12 (10MHz)_Body_Back Surface_CH 23130_QPSK_1-0_0mm
Communication System: LTE; Frequency: 711 MHz; Duty cycle= 1:1
Medium parameters used: f = 711 MHz; σ = 0.865 S/m; ε_r = 42.272; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.4°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(10.2, 10.2, 10.2) @ 711 MHz; Calibrated: 2022/1/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2022/9/22
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x81x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.699 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.623 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 1.12 W/kg
SAR(1 g) = 0.523 W/kg; SAR(10 g) = 0.269 W/kg
Smallest distance from peaks to all points 3 dB below = 8.6 mm
Ratio of SAR at M2 to SAR at M1 = 54.4%
Maximum value of SAR (measured) = 0.723 W/kg



0 dB = 0.699 W/kg = -1.56 dBW/kg

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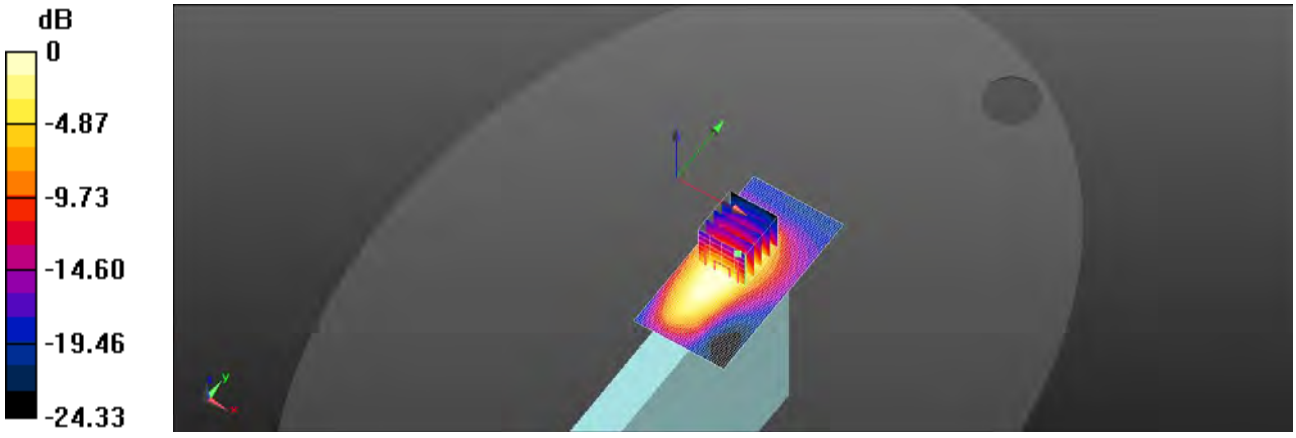
ID: 038
Report No. :TESA2211000479EN
LTE Band 13 (10MHz)_Body_Top Edge_CH 23230_QPSK_1-0_0mm
Communication System: LTE; Frequency: 782 MHz; Duty cycle= 1:1
Medium parameters used: f = 782 MHz; σ = 0.925 S/m; ε_r = 42.01; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.4°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(10.2, 10.2, 10.2) @ 782 MHz; Calibrated: 2022/1/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2022/9/22
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (41x81x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.633 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.287 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.787 W/kg
SAR(1 g) = 0.429 W/kg; SAR(10 g) = 0.250 W/kg
Smallest distance from peaks to all points 3 dB below = 10.7 mm
Ratio of SAR at M2 to SAR at M1 = 62.3%
Maximum value of SAR (measured) = 0.589 W/kg



0 dB = 0.633 W/kg = -1.98 dBW/kg

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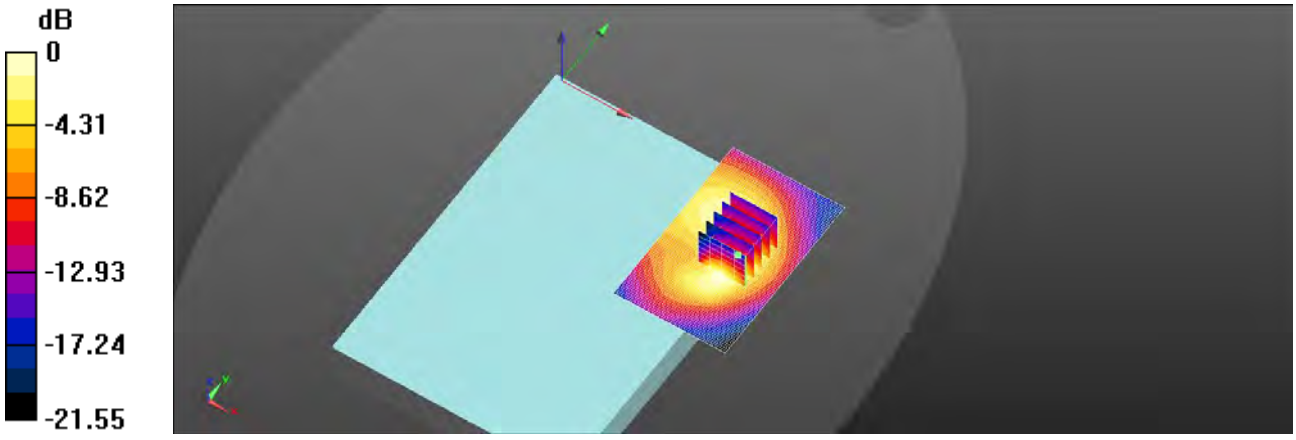
ID: 039
Report No. :TESA2211000479EN
LTE Band 14 (10MHz)_Body_Back Surface_CH 23330_QPSK_1-0_5mm
Communication System: LTE; Frequency: 793 MHz; Duty cycle= 1:1
Medium parameters used: f = 793 MHz; σ = 0.937 S/m; ε_r = 41.926; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.4°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(10.2, 10.2, 10.2) @ 793 MHz; Calibrated: 2022/1/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2022/9/22
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x81x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.151 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.859 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.226 W/kg
SAR(1 g) = 0.118 W/kg; SAR(10 g) = 0.067 W/kg
Smallest distance from peaks to all points 3 dB below = 8.3 mm
Ratio of SAR at M2 to SAR at M1 = 58.1%
Maximum value of SAR (measured) = 0.162 W/kg



0 dB = 0.151 W/kg = -8.21 dBW/kg

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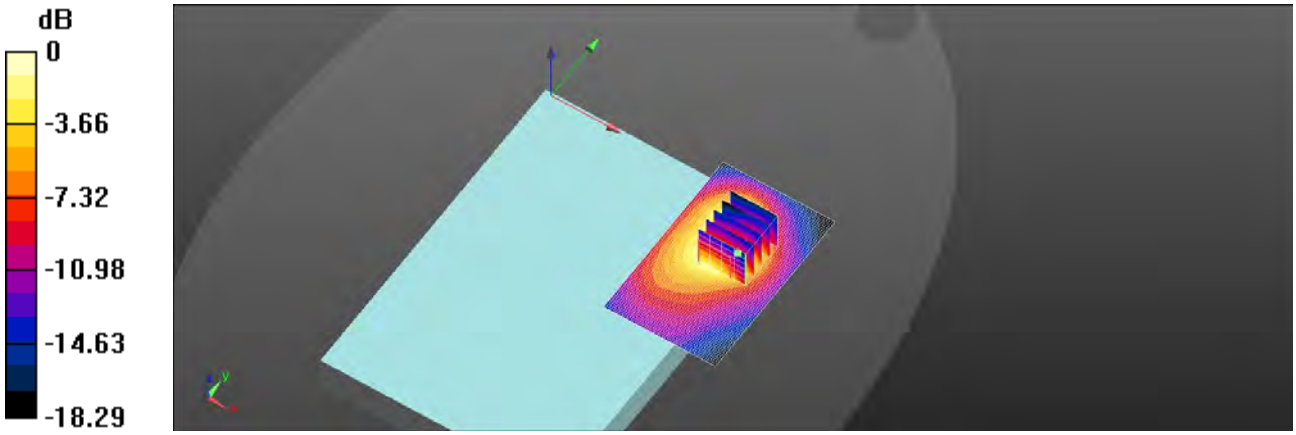
ID: 040
Report No. :TESA2211000479EN
LTE Band 25 (20MHz)_Body_Back Surface_CH 26365_QPSK_1-0_5mm
Communication System: LTE; Frequency: 1882.5 MHz; Duty cycle= 1:1
Medium parameters used: f = 1882.5 MHz; σ = 1.428 S/m; ε_r = 40.288; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.1°C; Liquid temperature: 22.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(8.44, 8.44, 8.44) @ 1882.5 MHz; Calibrated: 2022/1/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2022/9/22
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x81x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.390 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.677 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.554 W/kg
SAR(1 g) = 0.318 W/kg; SAR(10 g) = 0.172 W/kg
Smallest distance from peaks to all points 3 dB below = 10.7 mm
Ratio of SAR at M2 to SAR at M1 = 59.2%
Maximum value of SAR (measured) = 0.427 W/kg



0 dB = 0.390 W/kg = -4.09 dBW/kg

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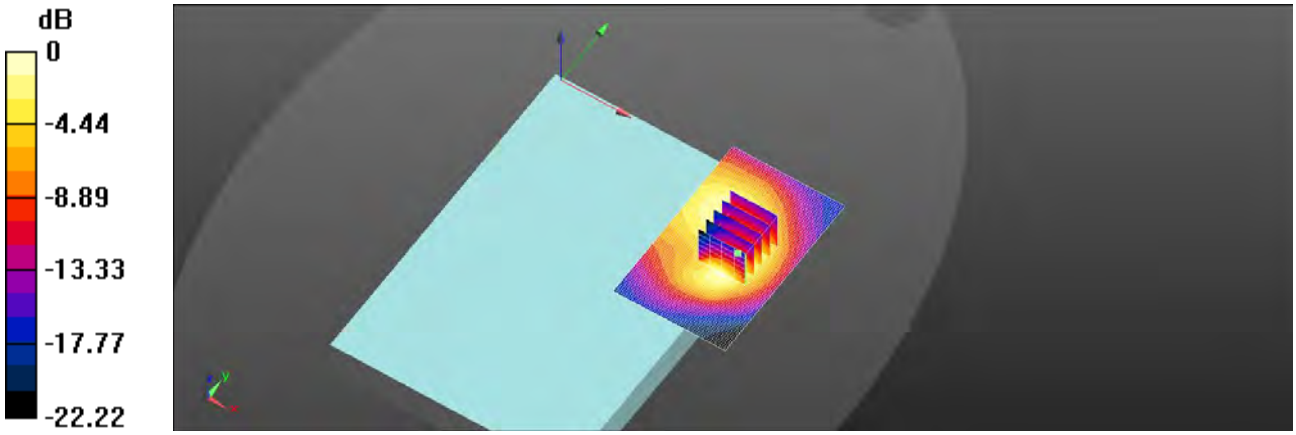
ID: 041
Report No. :TESA2211000479EN
LTE Band 26 (15MHz)_Body_Back Surface_CH 26965_QPSK_1-0_5mm
Communication System: LTE; Frequency: 841.5 MHz; Duty cycle= 1:1
Medium parameters used: f = 841.5 MHz; σ = 0.9 S/m; ε_r = 41.921; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.4°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(10.04, 10.04, 10.04) @ 841.5 MHz; Calibrated: 2022/1/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2022/9/22
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x81x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.169 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.028 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.232 W/kg
SAR(1 g) = 0.129 W/kg; SAR(10 g) = 0.074 W/kg
Smallest distance from peaks to all points 3 dB below = 8.2 mm
Ratio of SAR at M2 to SAR at M1 = 57.6%
Maximum value of SAR (measured) = 0.174 W/kg



0 dB = 0.169 W/kg = -7.72 dBW/kg

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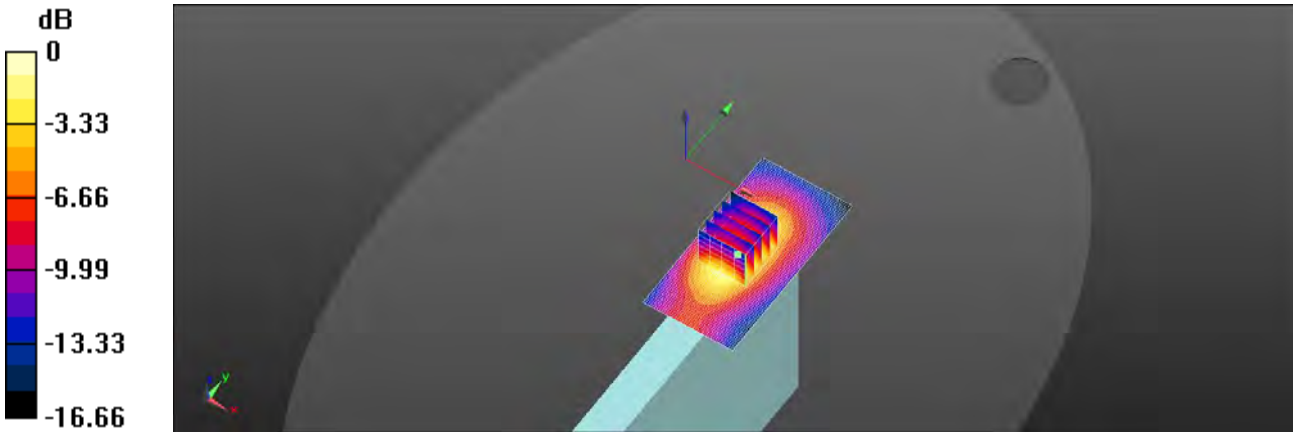
ID: 042
Report No. :TESA2211000479EN
LTE Band 66 (20MHz)_Body_Top Edge_CH 132072_QPSK_1-0_10mm
Communication System: LTE; Frequency: 1720 MHz; Duty cycle= 1:1
Medium parameters used: f = 1720 MHz; σ = 1.343 S/m; ε_r = 40.529; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.6°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(8.9, 8.9, 8.9) @ 1720 MHz; Calibrated: 2022/1/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2022/9/22
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (41x81x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.636 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.01 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 0.722 W/kg
SAR(1 g) = 0.459 W/kg; SAR(10 g) = 0.268 W/kg
Smallest distance from peaks to all points 3 dB below = 11.2 mm
Ratio of SAR at M2 to SAR at M1 = 64.8%
Maximum value of SAR (measured) = 0.601 W/kg



0 dB = 0.636 W/kg = -1.96 dBW/kg

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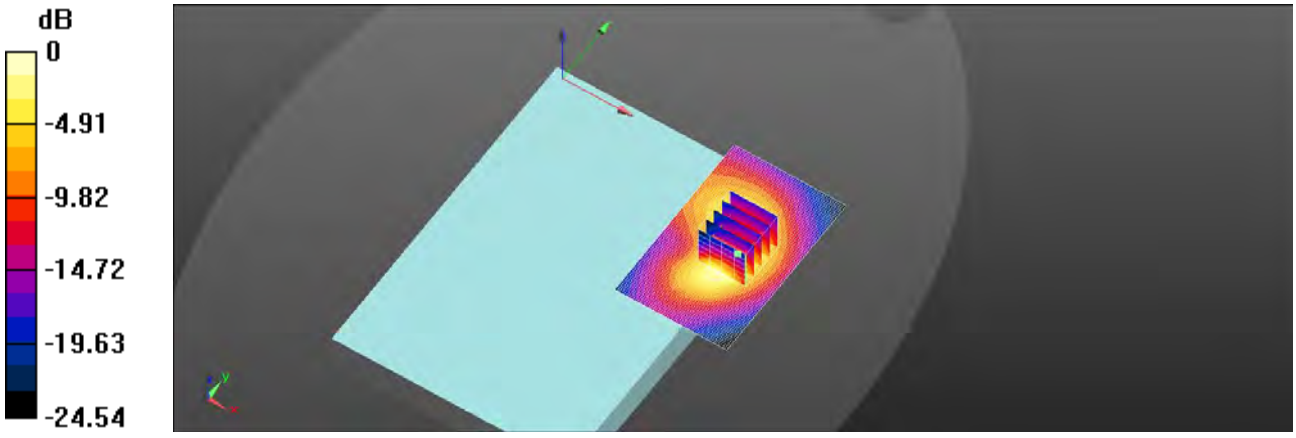
ID: 043
Report No. :TESA2211000479EN
LTE Band 71 (20MHz)_Body_Back Surface_CH 133372_QPSK_1-0_0mm
Communication System: LTE; Frequency: 688 MHz; Duty cycle= 1:1
Medium parameters used: f = 688 MHz; σ = 0.859 S/m; ε_r = 42.435; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.4°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(10.2, 10.2, 10.2) @ 688 MHz; Calibrated: 2022/1/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2022/9/22
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x81x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.606 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.605 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.05 W/kg
SAR(1 g) = 0.474 W/kg; SAR(10 g) = 0.240 W/kg
Smallest distance from peaks to all points 3 dB below = 8.6 mm
Ratio of SAR at M2 to SAR at M1 = 53.1%
Maximum value of SAR (measured) = 0.662 W/kg



0 dB = 0.606 W/kg = -2.18 dBW/kg

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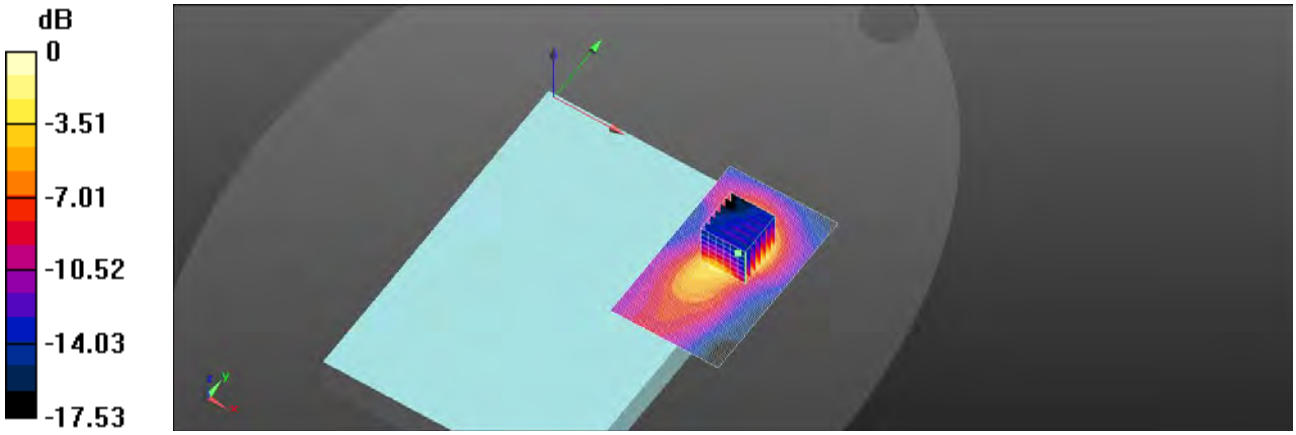
ID: 044
Report No. :TESA2211000479EN
LTE Band 41 (20MHz)_Body_Back Surface_CH 41055_QPSK_1-0_5mm
Communication System: LTE; Frequency: 2636.5 MHz; Duty cycle= 1:1.59956
Medium parameters used: f = 2636.5 MHz; σ = 1.994 S/m; ε_r = 39.012; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.5°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(7.78, 7.78, 7.78) @ 2636.5 MHz; Calibrated: 2022/1/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2022/9/22
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x101x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 0.254 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.318 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.345 W/kg
SAR(1 g) = 0.165 W/kg; SAR(10 g) = 0.074 W/kg
Smallest distance from peaks to all points 3 dB below = 8.1 mm
Ratio of SAR at M2 to SAR at M1 = 50.2%
Maximum value of SAR (measured) = 0.256 W/kg



0 dB = 0.254 W/kg = -5.95 dBW/kg

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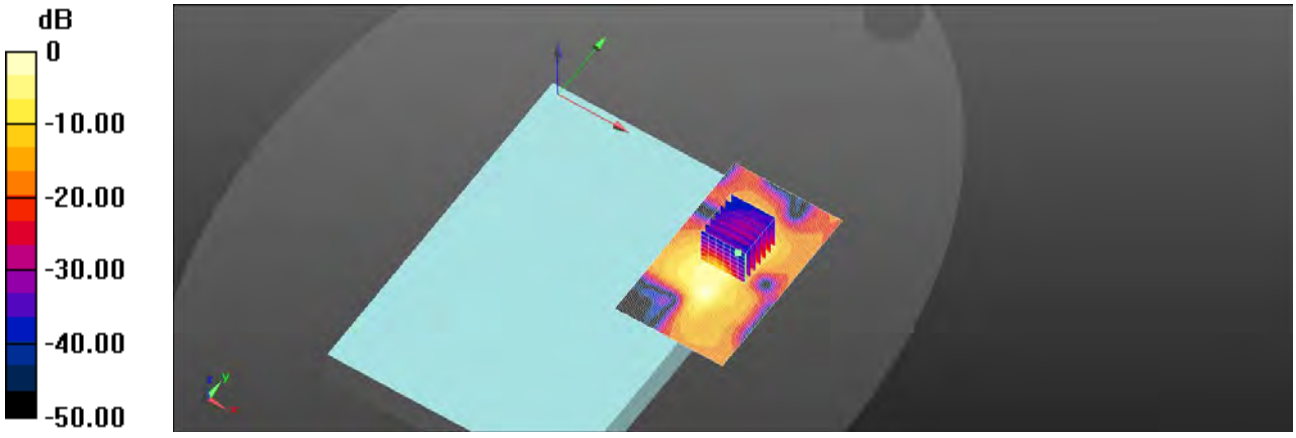
ID: 045
Report No. :TESA2211000479EN
LTE Band 42 (20MHz)_Body_Back Surface_CH 43490_QPSK_1-0_0mm
Communication System: LTE; Frequency: 3590 MHz; Duty cycle= 1:1.59956
Medium parameters used: f = 3590 MHz; σ = 2.985 S/m; ε_r = 38.832; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.3°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(7.01, 7.01, 7.01) @ 3590 MHz; Calibrated: 2022/1/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2022/9/22
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x101x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 1.39 W/kg

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm
Reference Value = 4.936 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 1.96 W/kg
SAR(1 g) = 0.725 W/kg; SAR(10 g) = 0.244 W/kg
Smallest distance from peaks to all points 3 dB below = 5.4 mm
Ratio of SAR at M2 to SAR at M1 = 46.6%
Maximum value of SAR (measured) = 1.34 W/kg



0 dB = 1.39 W/kg = 1.42 dBW/kg

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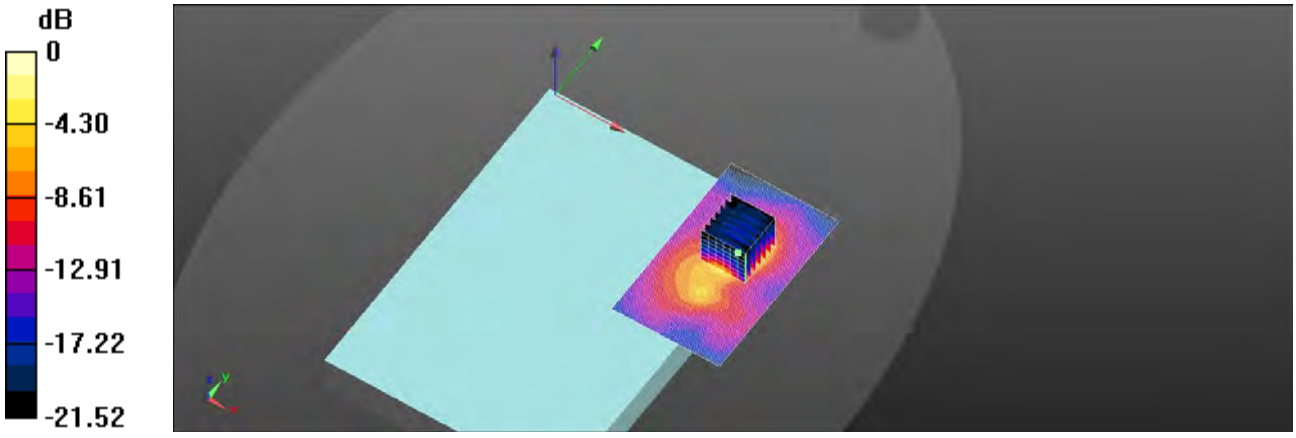
ID: 046
Report No. :TESA2211000479EN
LTE Band 43 (20MHz)_Body_Back Surface_CH 44590_QPSK_1-0_5mm
Communication System: LTE; Frequency: 3700 MHz; Duty cycle= 1:1.59956
Medium parameters used: f = 3700 MHz; σ = 3.095 S/m; ε_r = 38.607; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(6.9, 6.9, 6.9) @ 3700 MHz; Calibrated: 2022/1/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2022/9/22
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x101x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 0.582 W/kg

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm
Reference Value = 2.573 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.804 W/kg
SAR(1 g) = 0.346 W/kg; SAR(10 g) = 0.134 W/kg
Smallest distance from peaks to all points 3 dB below = 7.6 mm
Ratio of SAR at M2 to SAR at M1 = 51.7%
Maximum value of SAR (measured) = 0.580 W/kg



0 dB = 0.582 W/kg = -2.35 dBW/kg

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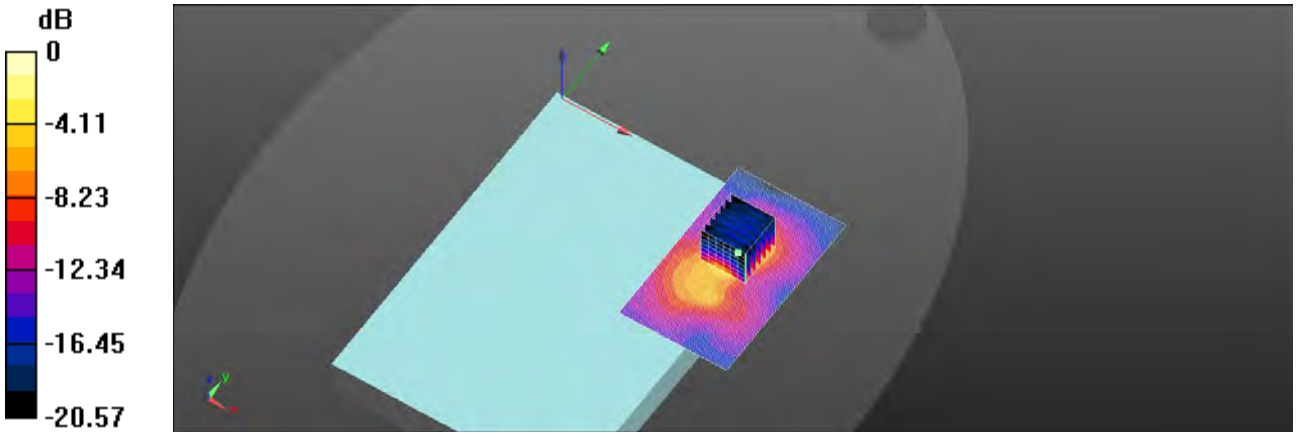
ID: 047
Report No. :TESA2211000479EN
LTE Band 48 (20MHz)_Body_Back Surface_CH 56640_QPSK_1-0_5mm
Communication System: LTE; Frequency: 3690 MHz; Duty cycle= 1:1.59956
Medium parameters used: f = 3690 MHz; σ = 3.086 S/m; ε_r = 38.621; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(6.9, 6.9, 6.9) @ 3690 MHz; Calibrated: 2022/1/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2022/9/22
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x101x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 0.535 W/kg

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm
Reference Value = 3.666 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.798 W/kg
SAR(1 g) = 0.350 W/kg; SAR(10 g) = 0.134 W/kg
Smallest distance from peaks to all points 3 dB below = 7.6 mm
Ratio of SAR at M2 to SAR at M1 = 53.2%
Maximum value of SAR (measured) = 0.581 W/kg



0 dB = 0.535 W/kg = -2.72 dBW/kg

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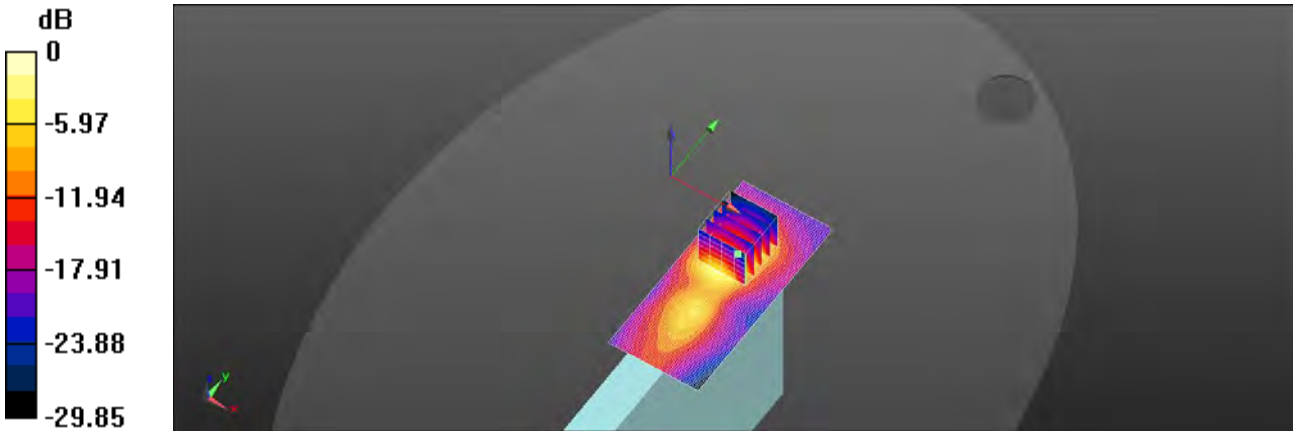
ID: 048
Report No. :TESA2211000479EN
WCDMA Band II_Body_Top Edge_CH 9538_0mm
Communication System: WCDMA; Frequency: 1907.6 MHz; Duty cycle= 1:1
Medium parameters used: f = 1908 MHz; σ = 1.456 S/m; ε_r = 40.267; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.1°C; Liquid temperature: 22.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(8.44, 8.44, 8.44) @ 1907.6 MHz; Calibrated: 2022/1/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2022/9/22
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (41x91x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.650 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.685 V/m; Power Drift = 0.18 dB
Peak SAR (extrapolated) = 0.812 W/kg
SAR(1 g) = 0.451 W/kg; SAR(10 g) = 0.215 W/kg
Smallest distance from peaks to all points 3 dB below = 8.2 mm
Ratio of SAR at M2 to SAR at M1 = 59.6%
Maximum value of SAR (measured) = 0.628 W/kg



0 dB = 0.650 W/kg = -1.87 dBW/kg

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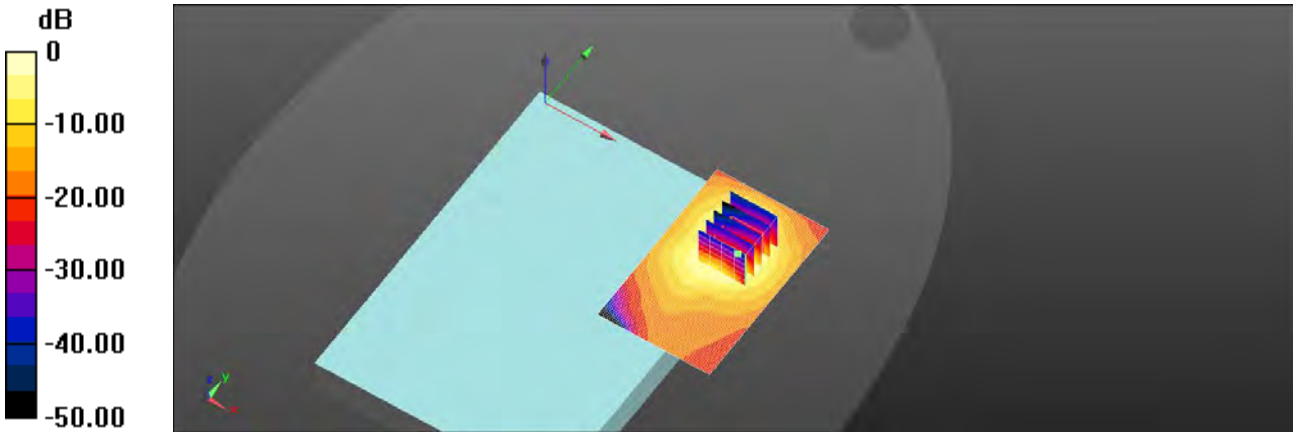
ID: 049
Report No. :TESA2211000479EN
WCDMA Band IV_Body_Back Surface_CH 1412_0mm
Communication System: WCDMA; Frequency: 1732.4 MHz; Duty cycle= 1:1
Medium parameters used: f = 1732.4 MHz; σ = 1.356 S/m; ε_r = 40.516; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.6°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(8.9, 8.9, 8.9) @ 1732.4 MHz; Calibrated: 2022/1/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2022/9/22
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x81x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.947 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.074 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 1.17 W/kg
SAR(1 g) = 0.609 W/kg; SAR(10 g) = 0.305 W/kg
Smallest distance from peaks to all points 3 dB below = 8.6 mm
Ratio of SAR at M2 to SAR at M1 = 51%
Maximum value of SAR (measured) = 0.878 W/kg



0 dB = 0.947 W/kg = -0.24 dBW/kg

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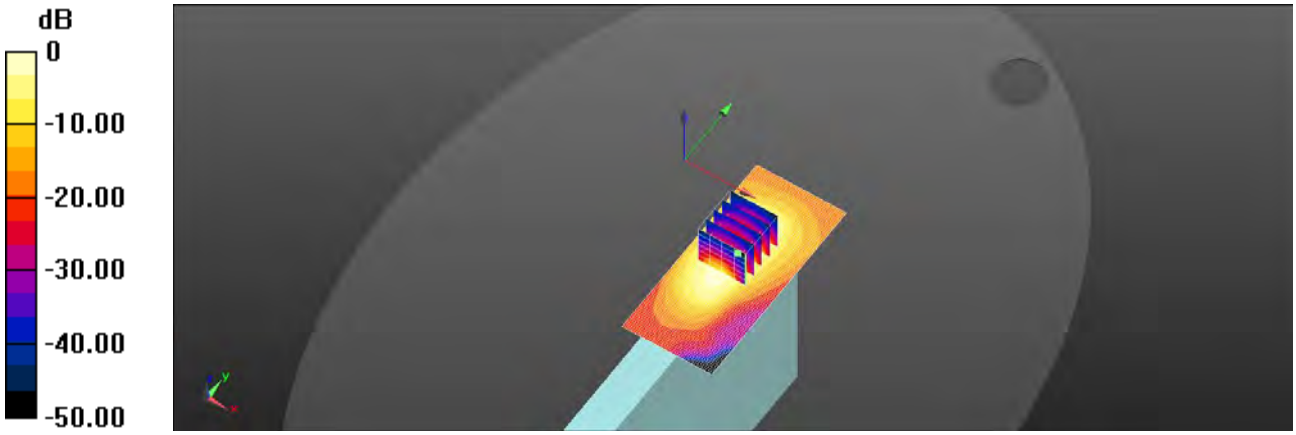
ID: 050
Report No. :TESA2211000479EN
WCDMA Band V_Body_Top Edge_CH 4233_0mm
Communication System: WCDMA; Frequency: 846.6 MHz; Duty cycle= 1:1
Medium parameters used: f = 847 MHz; σ = 0.908 S/m; ε_r = 41.913; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.4°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(10.04, 10.04, 10.04) @ 846.6 MHz; Calibrated: 2022/1/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2022/9/22
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (41x91x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.558 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.949 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.718 W/kg
SAR(1 g) = 0.398 W/kg; SAR(10 g) = 0.220 W/kg
Smallest distance from peaks to all points 3 dB below = 9.6 mm
Ratio of SAR at M2 to SAR at M1 = 58.4%
Maximum value of SAR (measured) = 0.551 W/kg



0 dB = 0.558 W/kg = -2.53 dBW/kg

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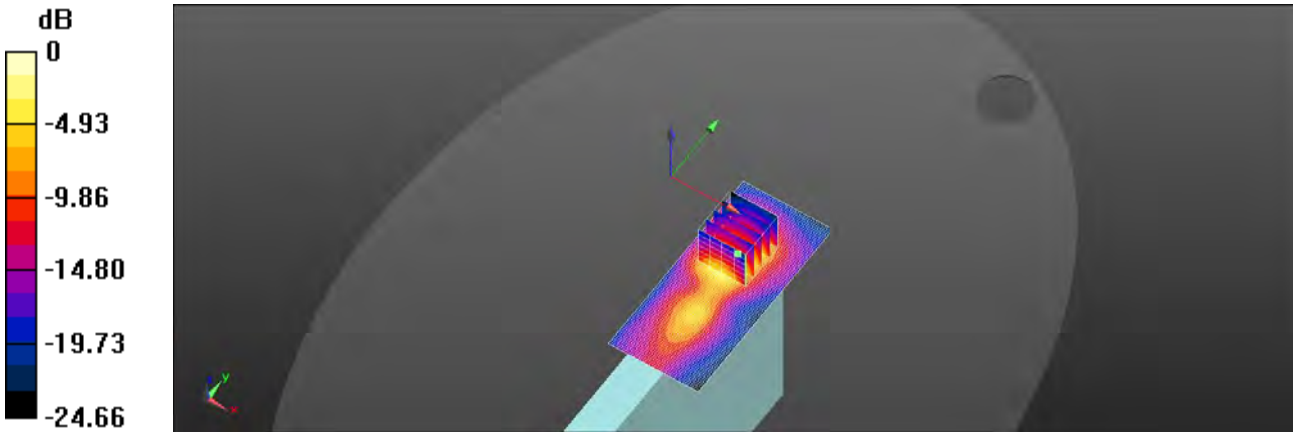
ID: 051
Report No. :TESA2211000479EN
LTE Band 2 (20MHz)_Body_Top Edge_CH 19100_QPSK_1-0_0mm
Communication System: LTE; Frequency: 1900 MHz; Duty cycle= 1:1
Medium parameters used: f = 1900 MHz; σ = 1.446 S/m; ε_r = 40.276; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.1°C; Liquid temperature: 22.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(8.44, 8.44, 8.44) @ 1900 MHz; Calibrated: 2022/1/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2022/9/22
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (41x91x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.627 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.892 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 0.756 W/kg
SAR(1 g) = 0.429 W/kg; SAR(10 g) = 0.207 W/kg
Smallest distance from peaks to all points 3 dB below = 8.3 mm
Ratio of SAR at M2 to SAR at M1 = 60.1%
Maximum value of SAR (measured) = 0.599 W/kg



0 dB = 0.627 W/kg = -2.03 dBW/kg

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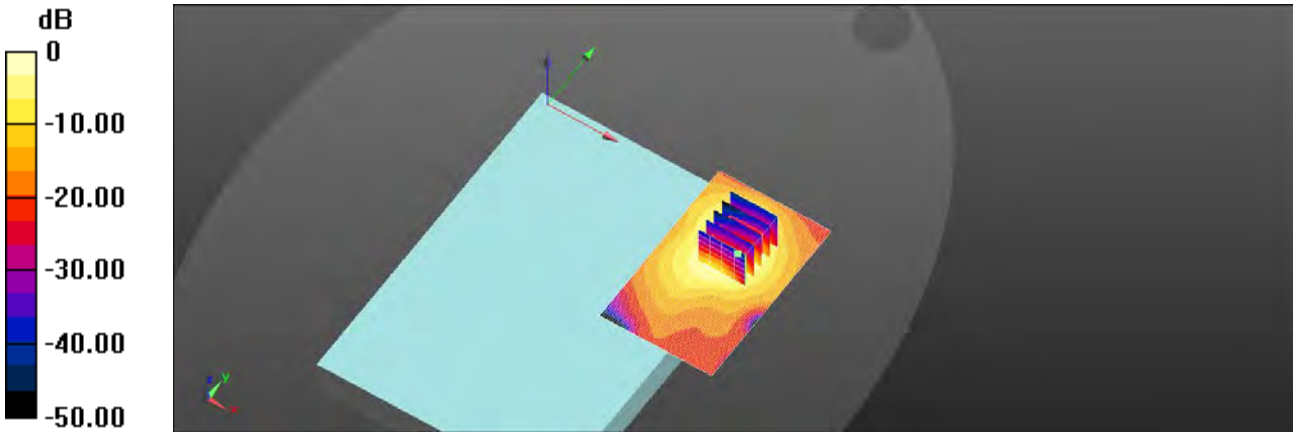
ID: 052
Report No. :TESA2211000479EN
LTE Band 4 (20MHz)_Body_Back Surface_CH 20300_QPSK_1-0_0mm
Communication System: LTE; Frequency: 1745 MHz; Duty cycle= 1:1
Medium parameters used: f = 1745 MHz; σ = 1.37 S/m; ε_r = 40.499; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.6°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(8.9, 8.9, 8.9) @ 1745 MHz; Calibrated: 2022/1/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2022/9/22
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x81x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.954 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.798 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 1.24 W/kg
SAR(1 g) = 0.644 W/kg; SAR(10 g) = 0.325 W/kg
Smallest distance from peaks to all points 3 dB below = 9.3 mm
Ratio of SAR at M2 to SAR at M1 = 52%
Maximum value of SAR (measured) = 0.931 W/kg



0 dB = 0.954 W/kg = -0.20 dBW/kg

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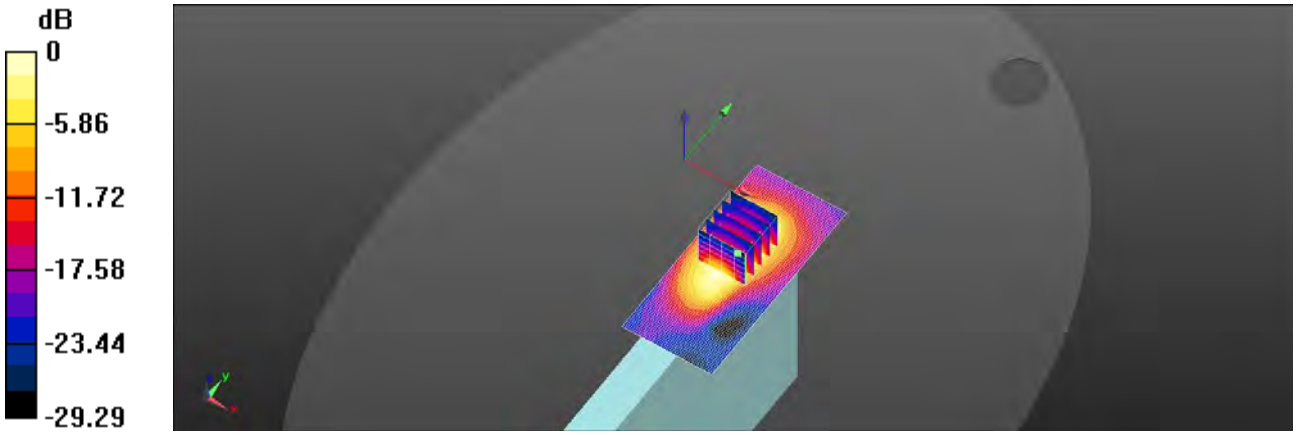
ID: 053
Report No. :TESA2211000479EN
LTE Band 5 (10MHz)_Body_Top Edge_CH 20600_QPSK_1-0_0mm
Communication System: LTE; Frequency: 844 MHz; Duty cycle= 1:1
Medium parameters used: f = 844 MHz; σ = 0.904 S/m; ε_r = 41.92; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.4°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(10.04, 10.04, 10.04) @ 844 MHz; Calibrated: 2022/1/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2022/9/22
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (41x91x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.521 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.807 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.661 W/kg
SAR(1 g) = 0.372 W/kg; SAR(10 g) = 0.207 W/kg
Smallest distance from peaks to all points 3 dB below = 9.6 mm
Ratio of SAR at M2 to SAR at M1 = 59%
Maximum value of SAR (measured) = 0.511 W/kg



0 dB = 0.521 W/kg = -2.83 dBW/kg

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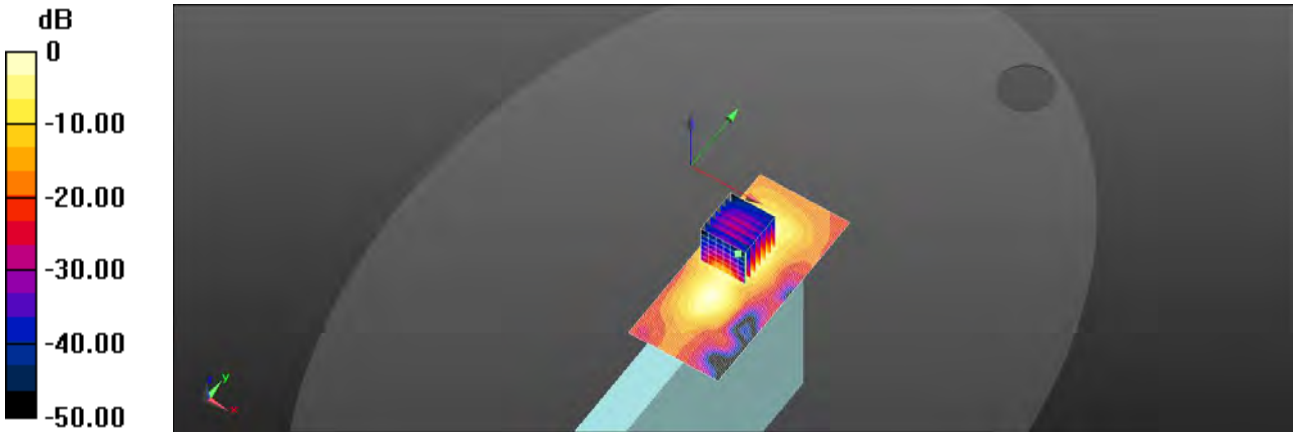
ID: 054
Report No. :TESA2211000479EN
LTE Band 7 (20MHz)_Body_Top Edge_CH 21350_QPSK_1-0_0mm
Communication System: LTE; Frequency: 2560 MHz; Duty cycle= 1:1
Medium parameters used: f = 2560 MHz; σ = 1.926 S/m; ε_r = 39.257; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.5°C; Liquid temperature: 22.0°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(7.78, 7.78, 7.78) @ 2560 MHz; Calibrated: 2022/1/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2022/9/22
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x111x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 0.766 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.512 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.995 W/kg
SAR(1 g) = 0.500 W/kg; SAR(10 g) = 0.230 W/kg
Smallest distance from peaks to all points 3 dB below = 6.7 mm
Ratio of SAR at M2 to SAR at M1 = 55.8%
Maximum value of SAR (measured) = 0.709 W/kg



0 dB = 0.766 W/kg = -1.16 dBW/kg

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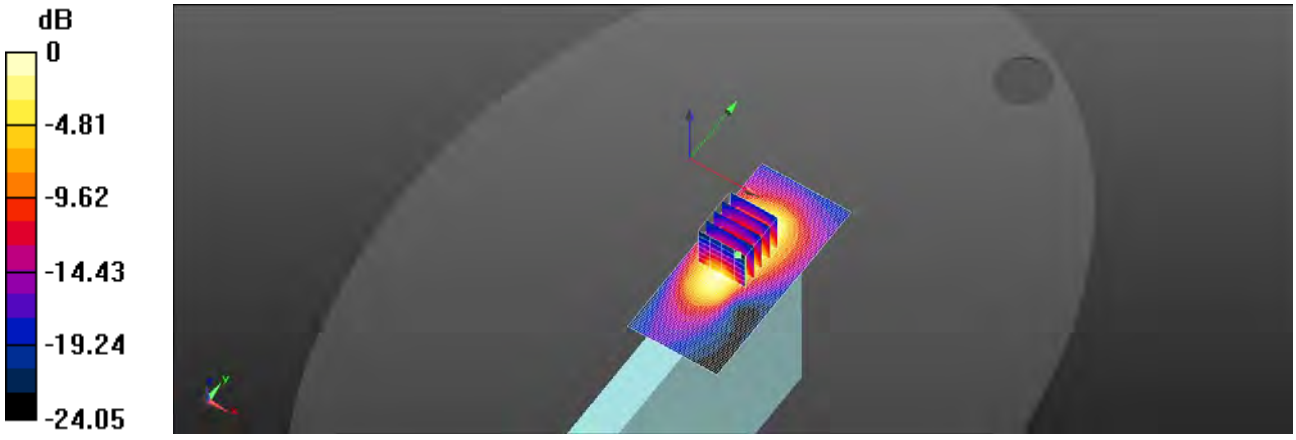
ID: 055
Report No. :TESA2211000479EN
LTE Band 14 (10MHz)_Body_Top Edge_CH 23330_QPSK_1-0_0mm
Communication System: LTE; Frequency: 793 MHz; Duty cycle= 1:1
Medium parameters used: f = 793 MHz; σ = 0.937 S/m; ε_r = 41.926; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.4°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(10.2, 10.2, 10.2) @ 793 MHz; Calibrated: 2022/1/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2022/9/22
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (41x91x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.486 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.825 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 0.579 W/kg
SAR(1 g) = 0.347 W/kg; SAR(10 g) = 0.203 W/kg
Smallest distance from peaks to all points 3 dB below = 11.2 mm
Ratio of SAR at M2 to SAR at M1 = 60.8%
Maximum value of SAR (measured) = 0.460 W/kg



0 dB = 0.486 W/kg = -3.14 dBW/kg

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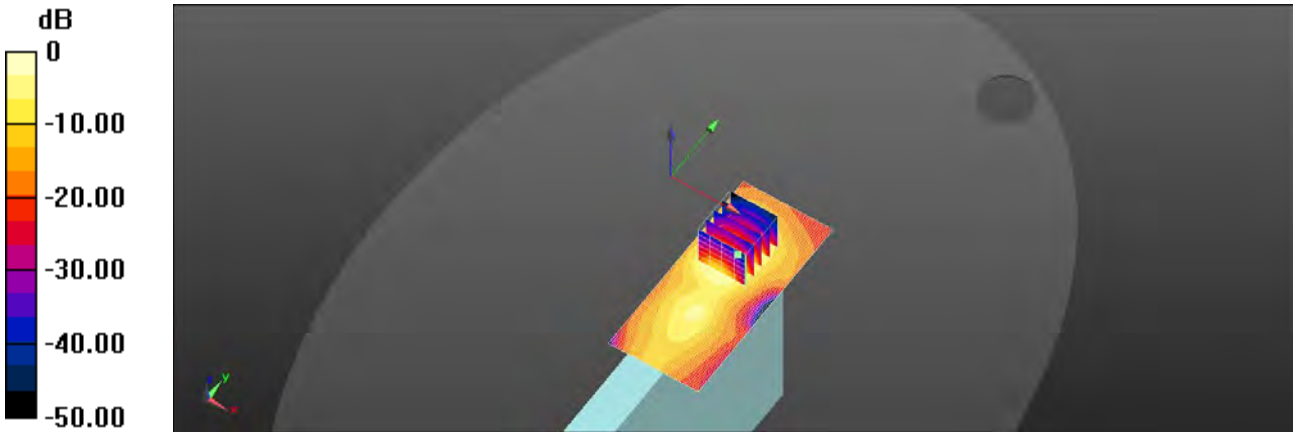
ID: 056
Report No. :TESA2211000479EN
LTE Band 25 (20MHz)_Body_Top Edge_CH 26590_QPSK_1-0_0mm
Communication System: LTE; Frequency: 1905 MHz; Duty cycle= 1:1
Medium parameters used: f = 1905 MHz; σ = 1.452 S/m; ε_r = 40.271; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.1°C; Liquid temperature: 22.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(8.44, 8.44, 8.44) @ 1905 MHz; Calibrated: 2022/1/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2022/9/22
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (41x91x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.644 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.692 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.807 W/kg
SAR(1 g) = 0.452 W/kg; SAR(10 g) = 0.216 W/kg
Smallest distance from peaks to all points 3 dB below = 8.2 mm
Ratio of SAR at M2 to SAR at M1 = 59.9%
Maximum value of SAR (measured) = 0.631 W/kg



0 dB = 0.644 W/kg = -1.91 dBW/kg

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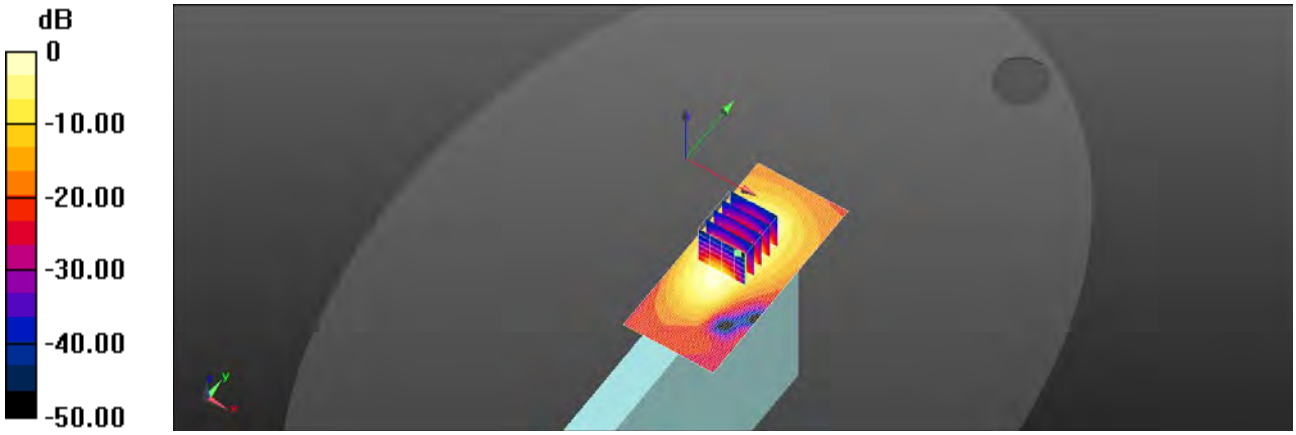
ID: 057
Report No. :TESA2211000479EN
LTE Band 26 (15MHz)_Body_Top Edge_CH 26965_QPSK_1-0_0mm
Communication System: LTE; Frequency: 841.5 MHz; Duty cycle= 1:1
Medium parameters used: f = 841.5 MHz; σ = 0.9 S/m; ε_r = 41.921; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.4°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(10.04, 10.04, 10.04) @ 841.5 MHz; Calibrated: 2022/1/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2022/9/22
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (41x91x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.527 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.371 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.673 W/kg
SAR(1 g) = 0.378 W/kg; SAR(10 g) = 0.211 W/kg
Smallest distance from peaks to all points 3 dB below = 9.6 mm
Ratio of SAR at M2 to SAR at M1 = 58.6%
Maximum value of SAR (measured) = 0.520 W/kg



0 dB = 0.527 W/kg = -2.79 dBW/kg

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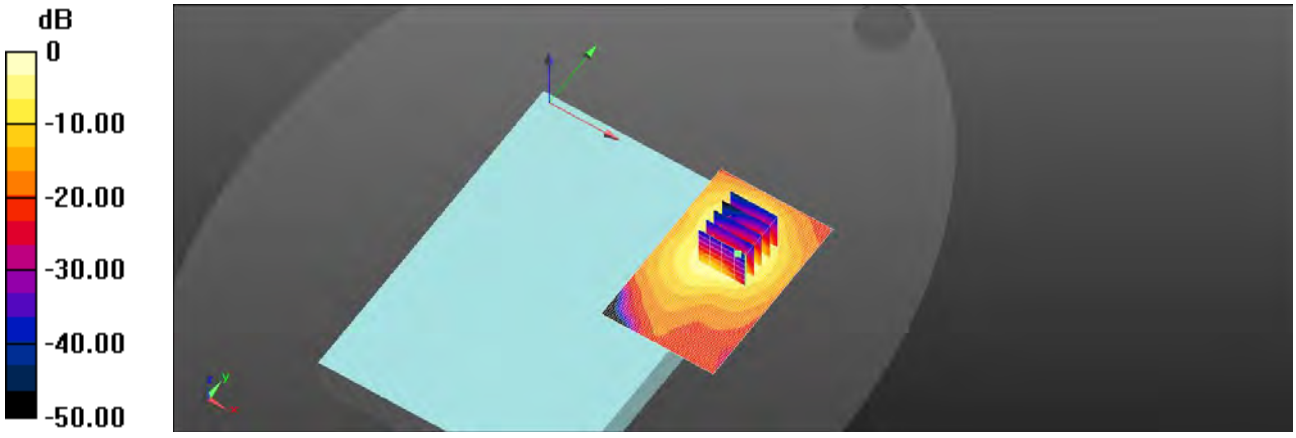
ID: 058
Report No. :TESA2211000479EN
LTE Band 66 (20MHz)_Body_Back Surface_CH 132322_QPSK_1-0_0mm
Communication System: LTE; Frequency: 1745 MHz; Duty cycle= 1:1
Medium parameters used: f = 1745 MHz; σ = 1.37 S/m; ε_r = 40.499; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.6°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(8.9, 8.9, 8.9) @ 1745 MHz; Calibrated: 2022/1/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2022/9/22
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x81x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.949 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.231 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 1.21 W/kg
SAR(1 g) = 0.631 W/kg; SAR(10 g) = 0.319 W/kg
Smallest distance from peaks to all points 3 dB below = 9.1 mm
Ratio of SAR at M2 to SAR at M1 = 52.5%
Maximum value of SAR (measured) = 0.929 W/kg



0 dB = 0.949 W/kg = -0.23 dBW/kg

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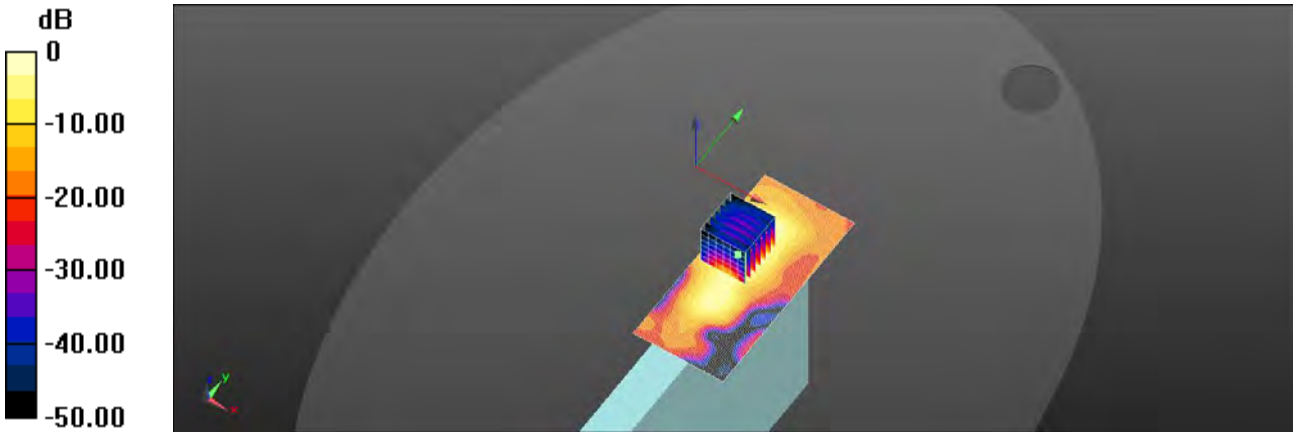
ID: 059
Report No. :TESA2211000479EN
LTE Band 41 (20MHz)_Body_Top Edge_CH 41490_QPSK_1-0_0mm
Communication System: LTE; Frequency: 2680 MHz; Duty cycle= 1:1.59956
Medium parameters used: f = 2680 MHz; σ = 2.024 S/m; ε_r = 39.017; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.5°C; Liquid temperature: 22.0°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(7.78, 7.78, 7.78) @ 2680 MHz; Calibrated: 2022/1/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2022/9/22
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x111x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 0.438 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.251 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.638 W/kg
SAR(1 g) = 0.291 W/kg; SAR(10 g) = 0.128 W/kg
Smallest distance from peaks to all points 3 dB below = 8 mm
Ratio of SAR at M2 to SAR at M1 = 48.2%
Maximum value of SAR (measured) = 0.466 W/kg



0 dB = 0.438 W/kg = -3.59 dBW/kg

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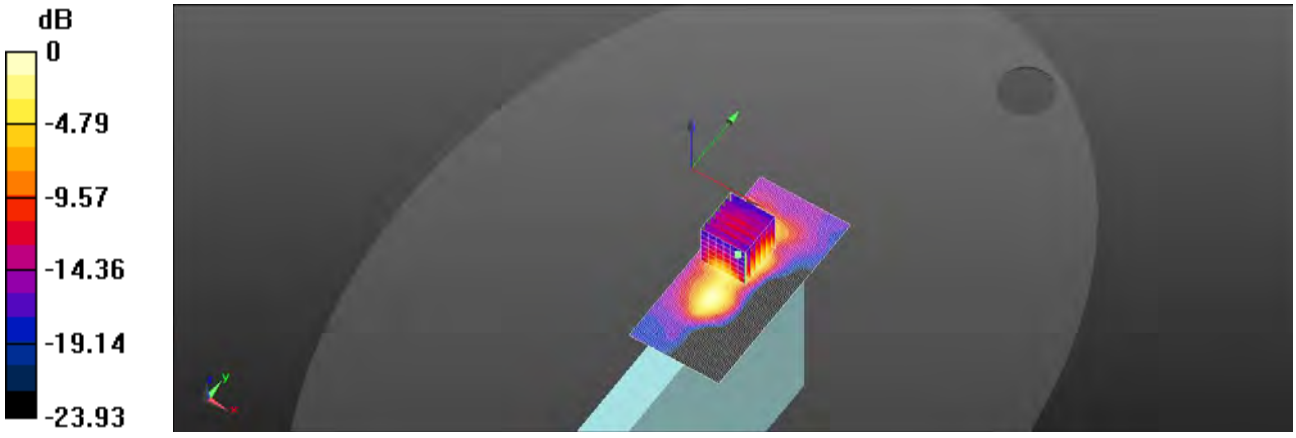
ID: 060
Report No. :TESA2211000479EN
LTE Band 43 (20MHz)_Body_Top Edge_CH 45490_QPSK_1-0_0mm
Communication System: LTE; Frequency: 3790 MHz; Duty cycle= 1:1.59956
Medium parameters used: f = 3790 MHz; σ = 3.188 S/m; ε_r = 38.474; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(6.9, 6.9, 6.9) @ 3790 MHz; Calibrated: 2022/1/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2022/9/22
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x111x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 0.783 W/kg

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm
Reference Value = 3.952 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 1.21 W/kg
SAR(1 g) = 0.456 W/kg; SAR(10 g) = 0.164 W/kg
Smallest distance from peaks to all points 3 dB below = 6.7 mm
Ratio of SAR at M2 to SAR at M1 = 46.2%
Maximum value of SAR (measured) = 0.805 W/kg



0 dB = 0.783 W/kg = -1.06 dBW/kg

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Date: 2022/11/24

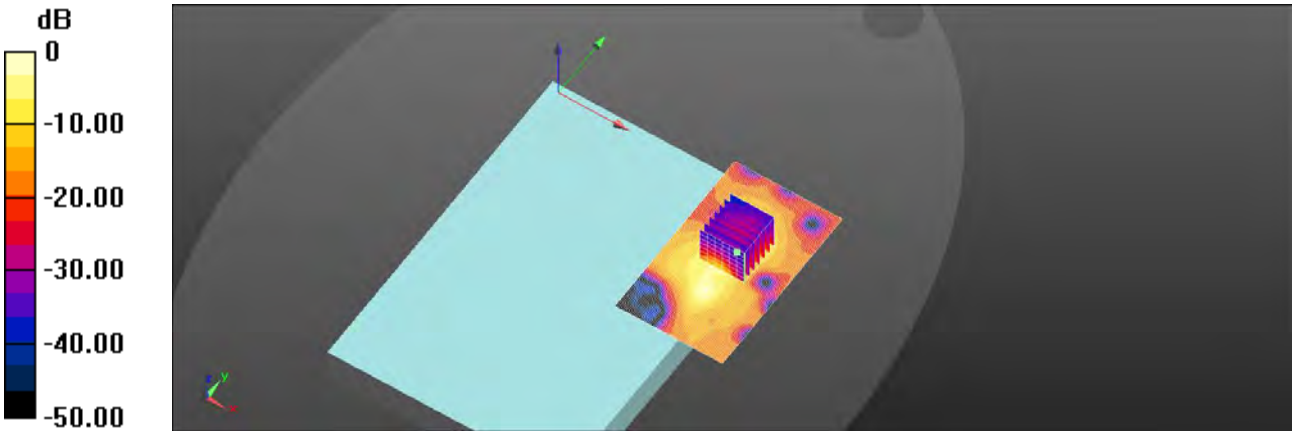
ID: 061
Report No. :TESA2211000479EN
LTE Band 48 (20MHz)_Body_Back Surface_CH 56150_QPSK_1-0_0mm
Communication System: LTE; Frequency: 3641 MHz; Duty cycle= 1:1.59956
Medium parameters used: f = 3641 MHz; σ = 3.038 S/m; ε_r = 38.705; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(6.9, 6.9, 6.9) @ 3641 MHz; Calibrated: 2022/1/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2022/9/22
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x101x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 1.22 W/kg

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm
Reference Value = 3.015 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 1.71 W/kg
SAR(1 g) = 0.628 W/kg; SAR(10 g) = 0.208 W/kg
Smallest distance from peaks to all points 3 dB below = 5.1 mm
Ratio of SAR at M2 to SAR at M1 = 46.5%
Maximum value of SAR (measured) = 1.17 W/kg



0 dB = 1.22 W/kg = 0.85 dBW/kg

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14 SAR SYSTEM CHECK RESULTS

Date: 2022/11/17

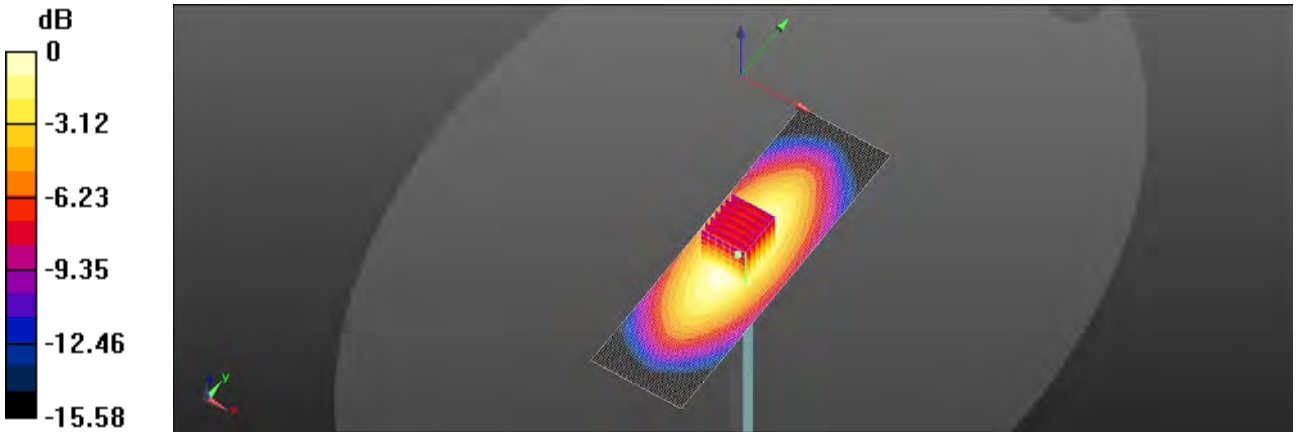
Report No. :TESA2211000479EN
Dipole 750 MHz_SN:1015
Communication System: CW; Frequency: 750 MHz; Duty cycle= 1:1
Medium parameters used: f = 750 MHz; σ = 0.906 S/m; ε_r = 42.112; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.4°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(10.2, 10.2, 10.2) @ 750 MHz; Calibrated: 2022/1/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2022/9/22
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (41x141x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 2.57 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 54.65 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 2.97 W/kg
SAR(1 g) = 2.09 W/kg; SAR(10 g) = 1.41 W/kg
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid
Ratio of SAR at M2 to SAR at M1 = 70%
Maximum value of SAR (measured) = 2.60 W/kg



0 dB = 2.60 W/kg = 4.15 dBW/kg

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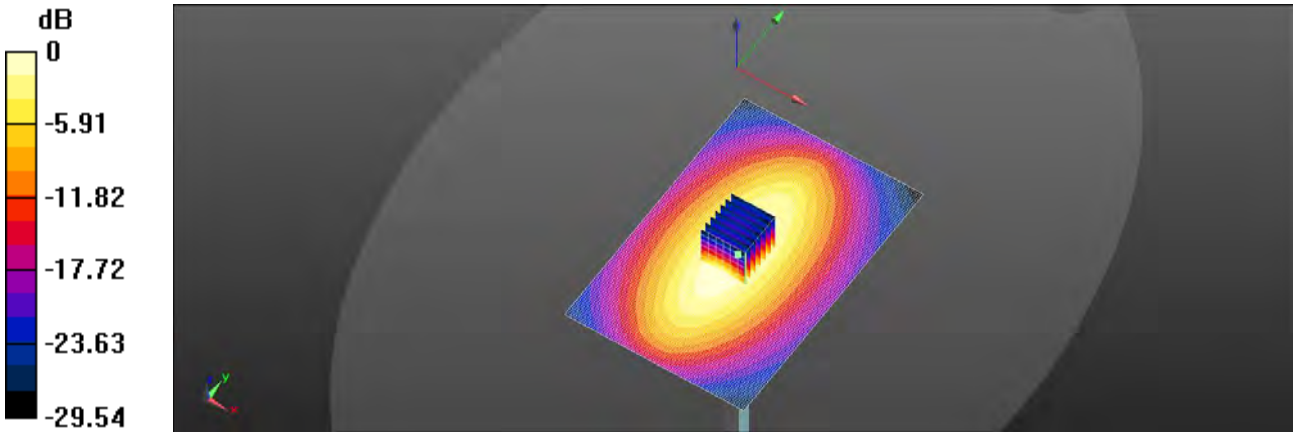
Report No. :TESA2211000479EN
Dipole 835 MHz_SN:4d063
Communication System: CW; Frequency: 835 MHz; Duty cycle= 1:1
Medium parameters used: f = 835 MHz; σ = 0.888 S/m; ε_r = 41.957; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.4°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(10.04, 10.04, 10.04) @ 835 MHz; Calibrated: 2022/1/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2022/9/22
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x121x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 3.18 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 60.94 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 3.75 W/kg
SAR(1 g) = 2.53 W/kg; SAR(10 g) = 1.66 W/kg
Smallest distance from peaks to all points 3 dB below = 19.4 mm
Ratio of SAR at M2 to SAR at M1 = 67.2%
Maximum value of SAR (measured) = 3.17 W/kg



0 dB = 3.18 W/kg = 5.03 dBW/kg

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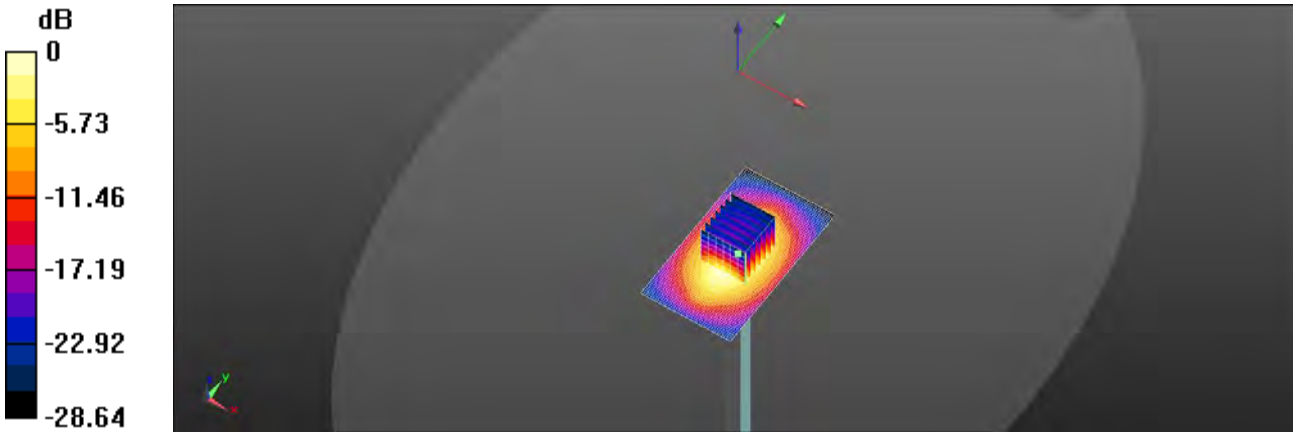
Report No. :TESA2211000479EN
Dipole 1750 MHz_SN:1008
Communication System: UID 10000, CW; Frequency: 1750 MHz; Duty cycle= 1:1
Medium parameters used: f = 1750 MHz; σ = 1.375 S/m; ε_r = 40.48; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.6°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(8.9, 8.9, 8.9) @ 1750 MHz; Calibrated: 2022/1/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2022/9/22
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (41x71x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 13.6 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 85.38 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 17.0 W/kg
SAR(1 g) = 8.98 W/kg; SAR(10 g) = 4.7 W/kg
Smallest distance from peaks to all points 3 dB below = 11 mm
Ratio of SAR at M2 to SAR at M1 = 53.3%
Maximum value of SAR (measured) = 13.0 W/kg



0 dB = 13.6 W/kg = 11.32 dBW/kg

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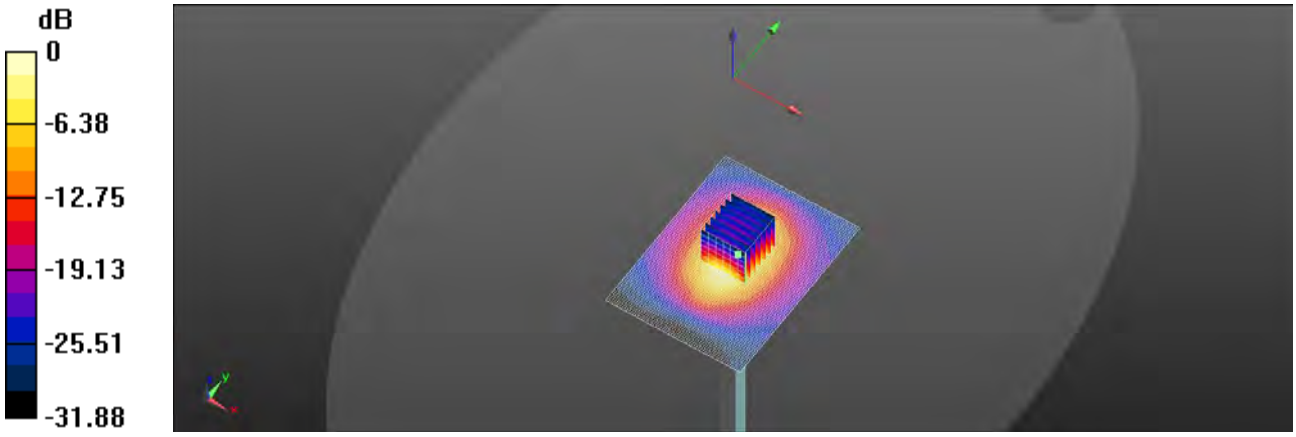
Report No. :TESA2211000479EN
Dipole 1900 MHz_SN:5d173
Communication System: CW; Frequency: 1900 MHz; Duty cycle= 1:1
Medium parameters used: f = 1900 MHz; σ = 1.446 S/m; ε_r = 40.276; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.1°C; Liquid temperature: 22.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(8.44, 8.44, 8.44) @ 1900 MHz; Calibrated: 2022/1/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2022/9/22
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x81x1): Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 15.7 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 99.16 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 19.3 W/kg
SAR(1 g) = 10.2 W/kg; SAR(10 g) = 5.28 W/kg
Smallest distance from peaks to all points 3 dB below = 10 mm
Ratio of SAR at M2 to SAR at M1 = 52.9%
Maximum value of SAR (measured) = 14.8 W/kg



0 dB = 15.7 W/kg = 11.97 dBW/kg

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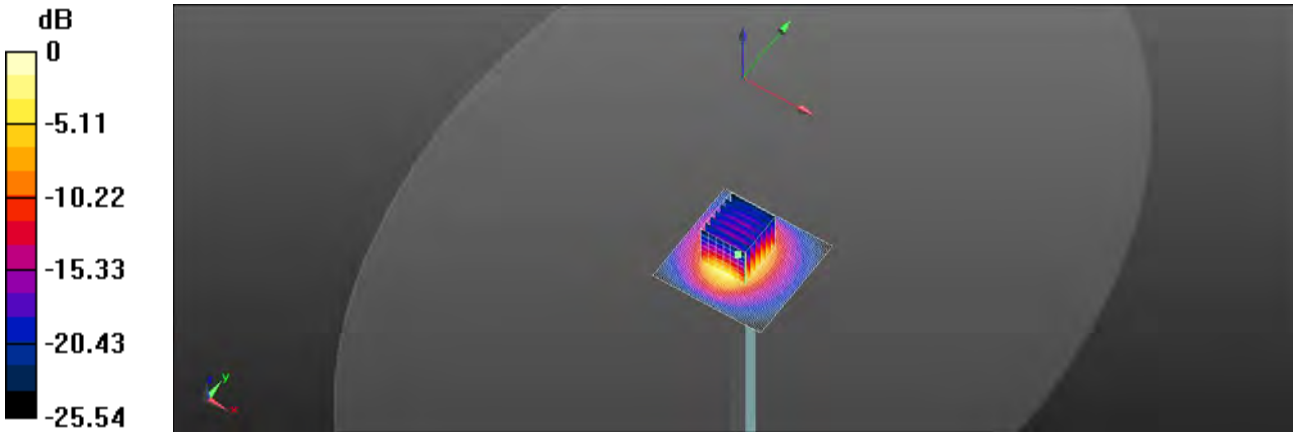
Report No. :TESA2211000479EN
Dipole 2600 MHz_SN:1005
Communication System: CW; Frequency: 2600 MHz; Duty cycle= 1:1
Medium parameters used: f = 2600 MHz; σ = 1.964 S/m; ε_r = 39.086; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.5°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(7.78, 7.78, 7.78) @ 2600 MHz; Calibrated: 2022/1/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2022/9/22
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x61x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 22.9 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 101.1 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 32.0 W/kg
SAR(1 g) = 14.1 W/kg; SAR(10 g) = 6.14 W/kg
Smallest distance from peaks to all points 3 dB below = 9 mm
Ratio of SAR at M2 to SAR at M1 = 43.9%
Maximum value of SAR (measured) = 22.5 W/kg



0 dB = 22.9 W/kg = 13.61 dBW/kg

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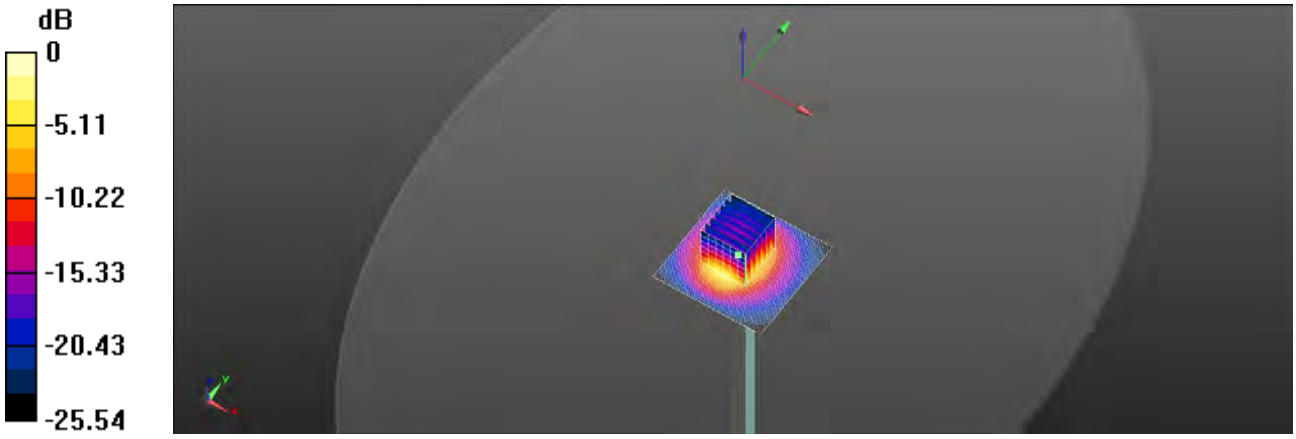
Report No. :TESA2211000479EN
Dipole 2600 MHz_SN:1005
Communication System: CW; Frequency: 2600 MHz; Duty cycle= 1:1
Medium parameters used: f = 2600 MHz; σ = 1.958 S/m; ε_r = 39.168; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.5°C; Liquid temperature: 22.0°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(7.78, 7.78, 7.78) @ 2600 MHz; Calibrated: 2022/1/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2022/9/22
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x61x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 23.3 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 103.2 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 32.5 W/kg
SAR(1 g) = 14.3 W/kg; SAR(10 g) = 6.18 W/kg
Smallest distance from peaks to all points 3 dB below = 9 mm
Ratio of SAR at M2 to SAR at M1 = 43.9%
Maximum value of SAR (measured) = 22.9 W/kg



0 dB = 23.3 W/kg = 13.68 dBW/kg

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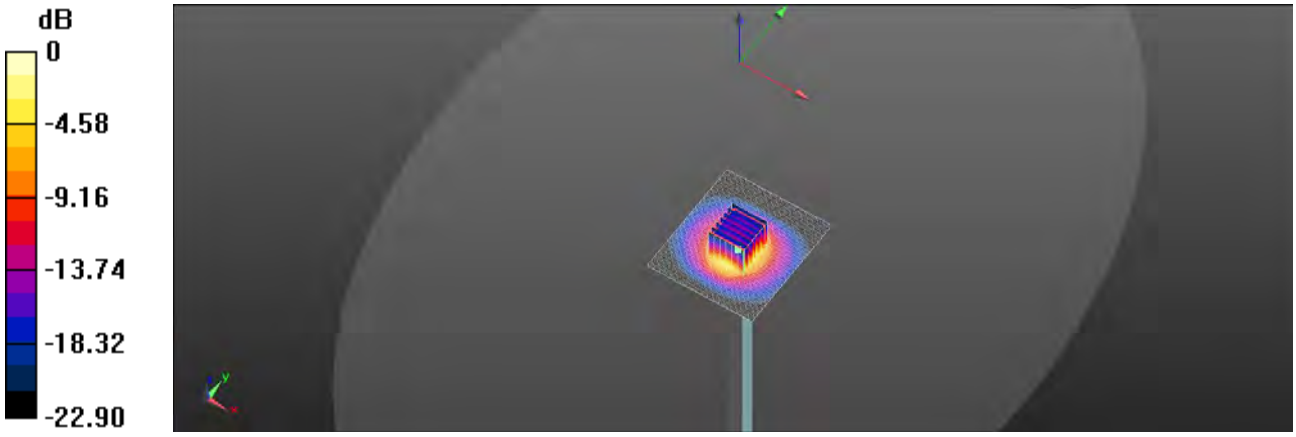
Report No. :TESA2211000479EN
Dipole 3500 MHz_SN:1009
Communication System: CW; Frequency: 3500 MHz; Duty cycle= 1:1
Medium parameters used: f = 3500 MHz; σ = 2.901 S/m; ε_r = 38.951; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.3°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(7.01, 7.01, 7.01) @ 3500 MHz; Calibrated: 2022/1/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2022/9/22
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x81x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 11.1 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 66.21 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 15.6 W/kg
SAR(1 g) = 6.52 W/kg; SAR(10 g) = 2.61 W/kg
Smallest distance from peaks to all points 3 dB below = 8.8 mm
Ratio of SAR at M2 to SAR at M1 = 68.8%
Maximum value of SAR (measured) = 10.7 W/kg



0 dB = 10.7 W/kg = 10.29 dBW/kg

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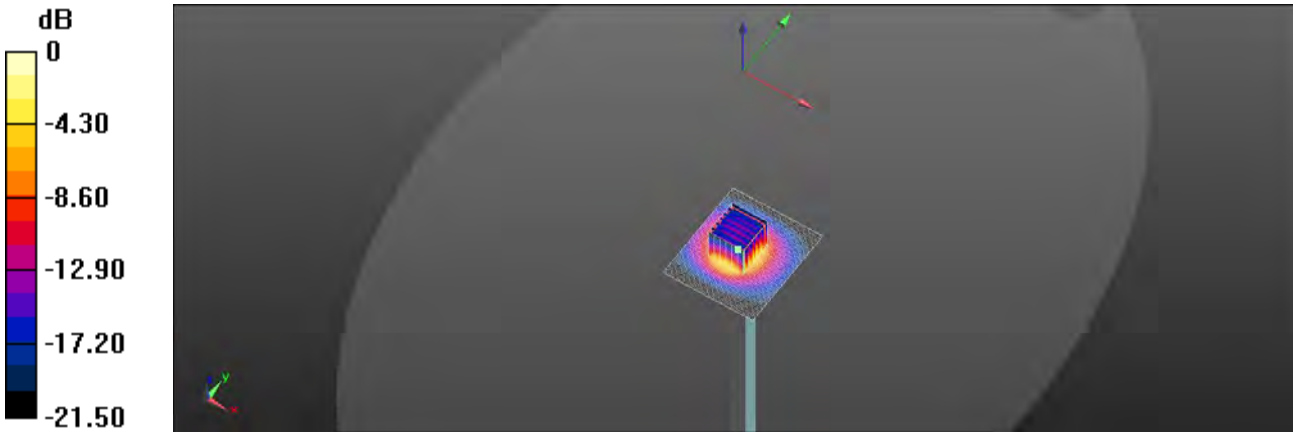
Report No. :TESA2211000479EN
Dipole 3700 MHz_SN:1074
Communication System: CW; Frequency: 3700 MHz; Duty cycle= 1:1
Medium parameters used: f = 3700 MHz; σ = 3.095 S/m; ε_r = 38.607; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7466; ConvF(6.9, 6.9, 6.9) @ 3700 MHz; Calibrated: 2022/1/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2022/9/22
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x71x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 12.5 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 56.91 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 16.3 W/kg
SAR(1 g) = 6.7 W/kg; SAR(10 g) = 2.56 W/kg
Smallest distance from peaks to all points 3 dB below = 8.8 mm
Ratio of SAR at M2 to SAR at M1 = 70%
Maximum value of SAR (measured) = 11.5 W/kg



0 dB = 11.5 W/kg = 10.61 dBW/kg

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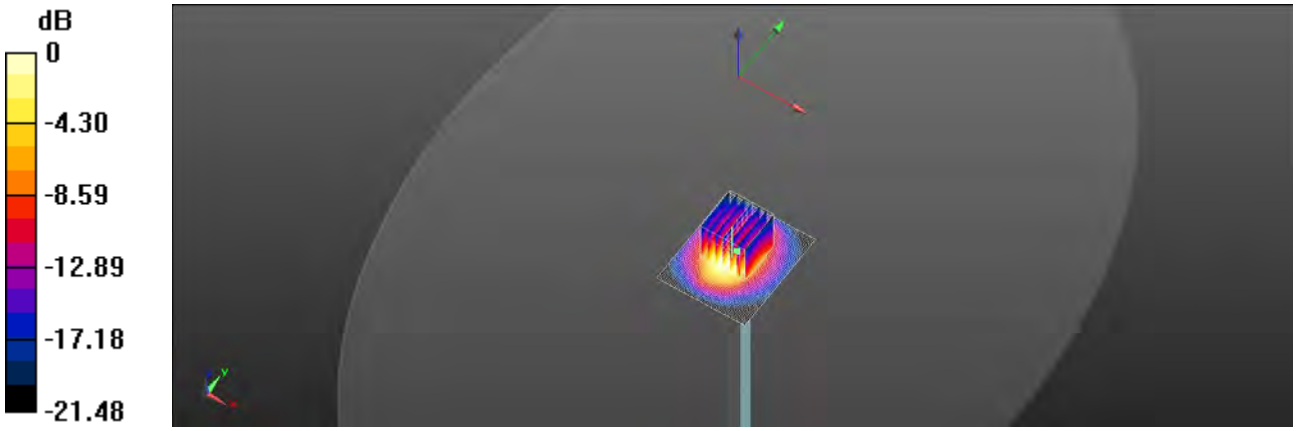
Report No. :TESA2206000138EN
Dipole 2450 MHz_SN:727
Communication System: CW; Frequency: 2450 MHz; Duty cycle= 1:1
Medium parameters used: f = 2450 MHz; σ = 1.842 S/m; ε_r = 37.709; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.4°C; Liquid temperature: 22.1℃

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(8.2, 8.2, 8.2) @ 2450 MHz; Calibrated: 2022/5/2
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2022/4/21
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x61x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 18.1 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 99.69 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 25.9 W/kg
SAR(1 g) = 13 W/kg; SAR(10 g) = 6.25 W/kg
Smallest distance from peaks to all points 3 dB below = 9.8 mm
Ratio of SAR at M2 to SAR at M1 = 51.1%
Maximum value of SAR (measured) = 16.7 W/kg



0 dB = 16.7 W/kg = 12.23 dBW/kg

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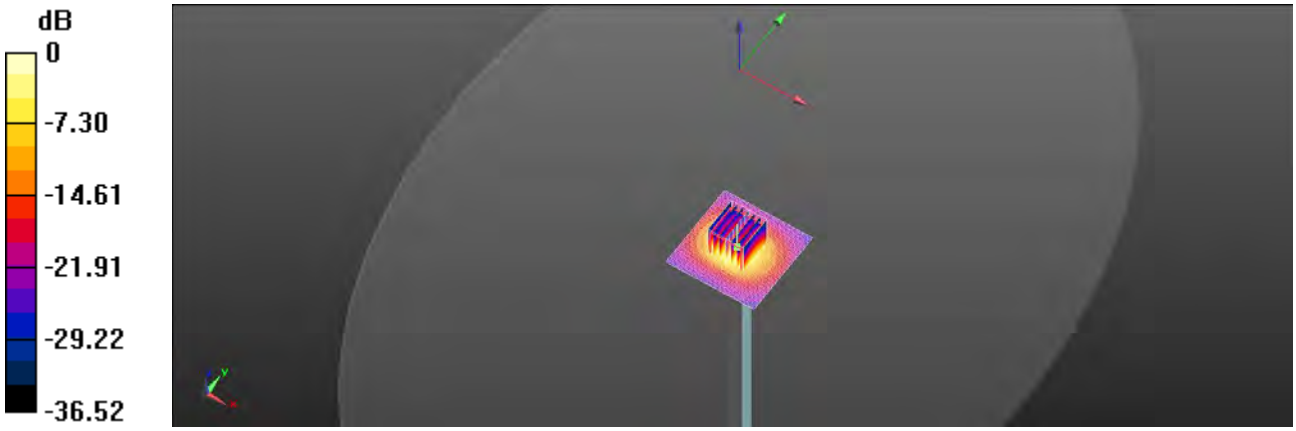
Report No. :TESA2206000138EN
Dipole 5250 MHz_SN:1023
Communication System: CW; Frequency: 5250 MHz; Duty cycle= 1:1
Medium parameters used: f = 5250 MHz; σ = 4.666 S/m; ε_r = 36.897; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.8℃

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(5.6, 5.6, 5.6) @ 5250 MHz; Calibrated: 2022/5/2
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2022/4/21
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x61x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 15.2 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 61.79 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 28.5 W/kg
SAR(1 g) = 7.79 W/kg; SAR(10 g) = 2.3 W/kg
Smallest distance from peaks to all points 3 dB below = 7.2 mm
Ratio of SAR at M2 to SAR at M1 = 58%
Maximum value of SAR (measured) = 15.6 W/kg



0 dB = 15.6 W/kg = 11.93 dBW/kg

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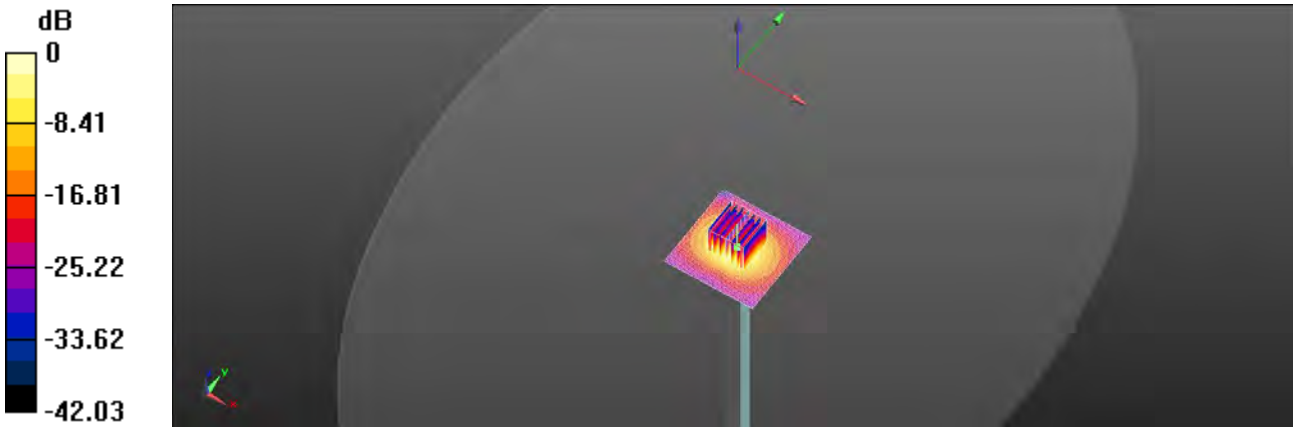
Report No. :TESA2206000138EN
Dipole 5600 MHz_SN:1023
Communication System: CW; Frequency: 5600 MHz; Duty cycle= 1:1
Medium parameters used: f = 5600 MHz; σ = 5.119 S/m; ε_r = 35.917; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 22.3°C; Liquid temperature: 22.0℃

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(5, 5, 5) @ 5600 MHz; Calibrated: 2022/5/2
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2022/4/21
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x61x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 15.4 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 61.81 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 30.9 W/kg
SAR(1 g) = 8.03 W/kg; SAR(10 g) = 2.37 W/kg
Smallest distance from peaks to all points 3 dB below = 7.2 mm
Ratio of SAR at M2 to SAR at M1 = 55.2%
Maximum value of SAR (measured) = 15.9 W/kg



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

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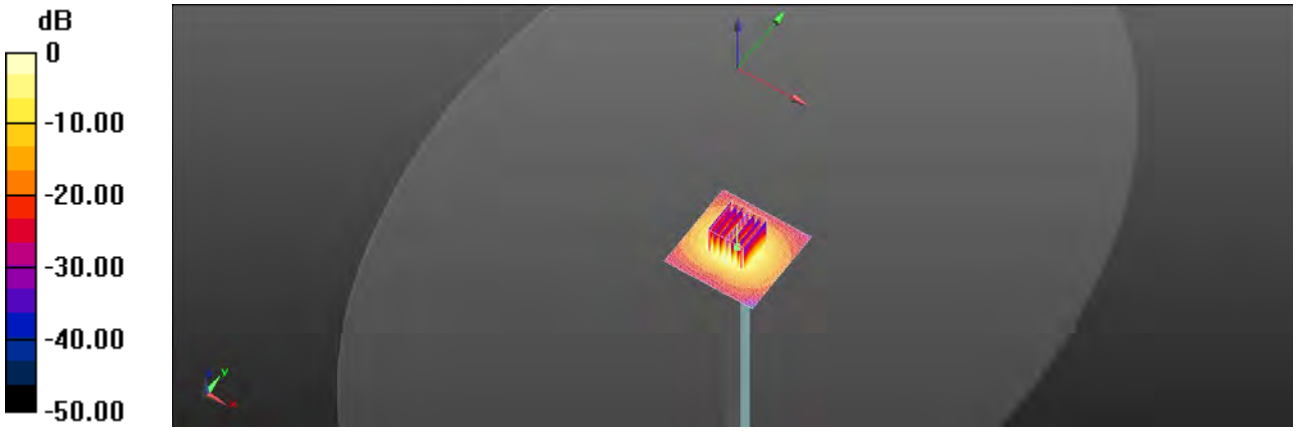
Report No. :TESA2206000138EN
Dipole 5750 MHz_SN:1023
Communication System: CW; Frequency: 5750 MHz; Duty cycle= 1:1
Medium parameters used: f = 5750 MHz; σ = 5.391 S/m; ε_r = 36.357; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient temperature: 21.9°C; Liquid temperature: 22.3℃

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(5.05, 5.05, 5.05) @ 5750 MHz; Calibrated: 2022/5/2
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2022/4/21
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x61x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 15.9 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 58.14 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 32.5 W/kg
SAR(1 g) = 7.81 W/kg; SAR(10 g) = 2.25 W/kg
Smallest distance from peaks to all points 3 dB below = 7.2 mm
Ratio of SAR at M2 to SAR at M1 = 54%
Maximum value of SAR (measured) = 16.2 W/kg



0 dB = 16.2 W/kg = 12.10 dBW/kg

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Report No. :TESA2206000138EN
Measurement Report for Device, FRONT, Validation band, CW, Channel 6500 (6500.0 MHz), SN:1006
Ambient temperature: 22.6°C; Liquid temperature: 22.4°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 5.00	5.65	6.216	35.592

Hardware Setup

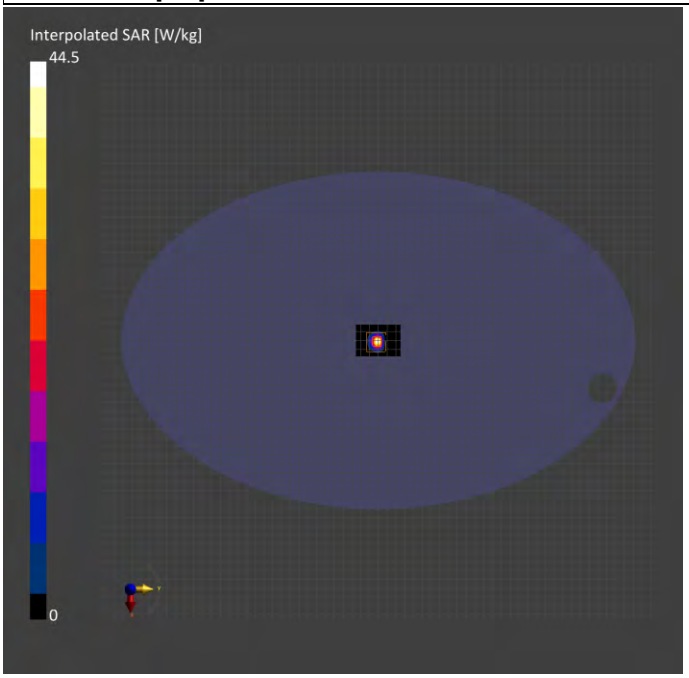
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7466, 2022-01-26	DAE4 Sn558, 2021-11-23

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	36.0 x 51.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	6.0 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2022-06-24	2022-06-24
psSAR1g [W/kg]	25.0	29.5
psSAR8g [W/kg]	6.19	6.80
psSAR10g [W/kg]	5.13	5.59
psPDab (4.0cm2, sq) [W/m2]		136
Power Drift [dB]	-0.02	0.02
M2/M1 [%]		51.6
Dist 3dB Peak [mm]		4.9



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Report No. :TESA2206000138EN
Measurement Report for Device, FRONT, Validation band, CW, Channel 7000 (7000.0 MHz), SN:1007
Ambient temperature: 22.5°C; Liquid temperature: 22.2°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 5.00	5.85	6.766	34.992

Hardware Setup

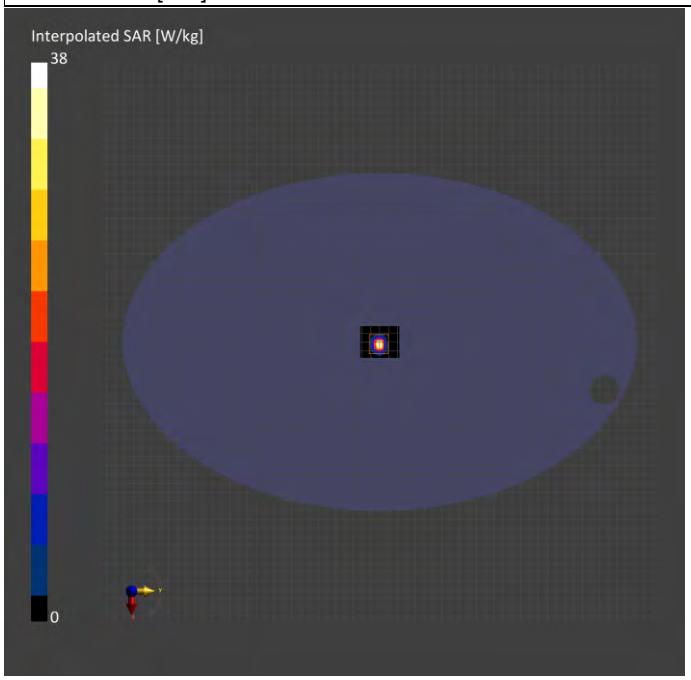
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7466, 2022-01-26	DAE4 Sn558, 2021-11-23

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	36.0 x 45.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	6.0 x 7.5	3.0 x 3.0 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2022-06-24	2022-06-24
psSAR1g [W/kg]	23.9	26.7
psSAR8g [W/kg]	5.75	5.98
psSAR10g [W/kg]	4.77	4.90
psPDab (4.0cm2, sq) [W/m2]		120
Power Drift [dB]	-0.05	-0.09
M2/M1 [%]		51.7
Dist 3dB Peak [mm]		4.8



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15 PD SYSTEM CHECK RESULT

Report No. :TESA2206000138EN
Measurement Report for 5G Verification Source 10GHz, FRONT, Validation band, CW, Channel 10000 (10000.0 MHz), SN:1021

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Conversion Factor
5G	FRONT, 10.00	1.0

Hardware Setup

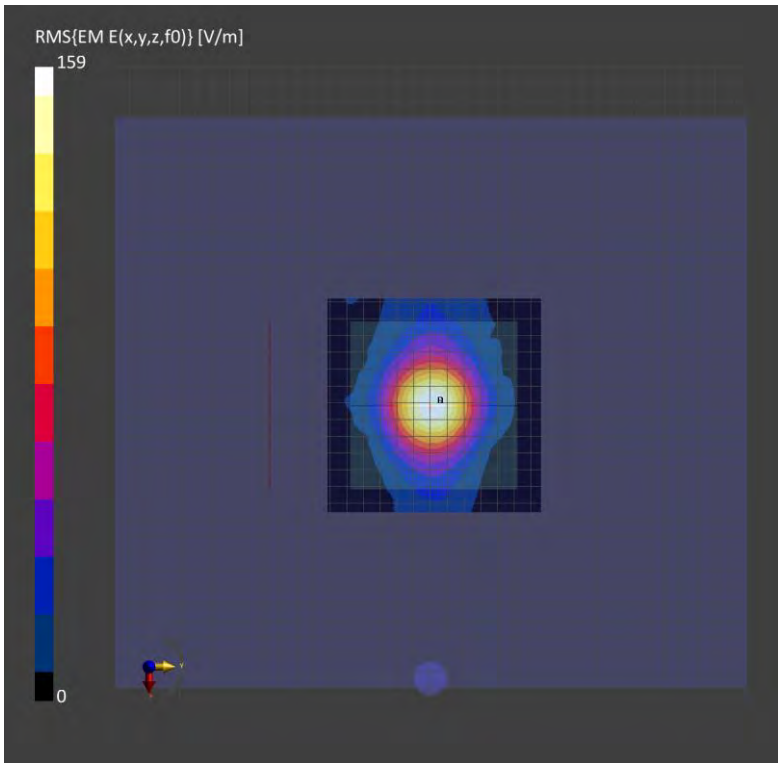
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave	Air -	EUmmWV4 - SN9579_F1-55GHz, 2021-10-06	DAE4 Sn558, 2021-11-23

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	120.0 x 120.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	10.0

Measurement Results

Scan Type	5G Scan
Date	2022-06-25
Avg. Area [cm^2]	4.00
psPDn+ [W/m^2]	54.0
psPDtot+ [W/m^2]	54.2
psPDmod+ [W/m^2]	54.3
E_{max} [V/m]	158
Power Drift [dB]	0.09



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16 APPENDIXES

Refer to separated files for the following appendixes.

16.1 SAR_Appendix A Photographs

16.2 SAR_Appendix B DAE & Probe Cal. Certificate

16.3 SAR_Appendix C Phantom Description & Dipole Cal. Certificate

- End of report -

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