

## RF Exposure report



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

**EUT Description** Wireless module installed in Notebook PC  
**Brand Name** ASUS  
**Model No.** RW101R-GL  
**Host Model Number:** B3605CVA  
**Applicant** ASUSTeK Computer Inc.  
1F., No. 15, Lide Rd., Beitou Dist., Taipei City 112, Taiwan  
**Standards** IEEE/ANSI C95.1-1992, IEEE 1528-2013  
**FCC ID** MSQRW101RGL  
**Date of EUT Receipt** Nov. 19, 2024  
**Date of Test(s)** Dec. 10, 2024 ~ Dec. 14, 2024  
**Date of Issue** Feb. 19, 2025

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 / Tom Chiang	Approved By / John Yeh

**Date: Feb. 19, 2025**

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## Revision History

Report Number	Revision	Description	Issue Date	Revised By	Remark
TESA2411000808ES	00	Initial creation of document	Jan. 08, 2025	Kimmy Chiou	
TESA2411000808ES	01	Modify gain	Feb. 04, 2025	Kimmy Chiou	*
TESA2411000808ES	02	Modify gain	Feb. 17, 2025	Kimmy Chiou	*
TESA2411000808ES	03	Delete B70	Feb. 19, 2025	Kimmy Chiou	*

Note:

1. The mark " \* " is the revised version of the report due to comments submitted by the certification.

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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

KDB616217D04v01r02

KDB865664D01v01r04

KDB865664D02v01r02

KDB941225D05v02r05

KDB941225D05Av01r02

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## 1.2 Description of EUT

EUT Description	Wireless module installed in Notebook PC	
Brand Name	ASUS	
Model No.	RW101R-GL	
FCC ID	MSQRW101RGL	
Host Model Number:	B3605CVA	
Duty Cycle	WCDMA	1
	LTE FDD	1
	LTE TDD Power	0.633
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 17	704-716
	LTE FDD Band 25	1850-1915
	LTE FDD Band 26	814-849
	LTE FDD Band 30	2305-2315
	LTE TDD Band 38	2570-2620
	LTE TDD Band 41	2496-2690
	LTE TDD Band 48	3550-3700

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Supported radios (TX Frequency Range, MHz)	LTE FDD Band 66	1710-1780
	LTE FDD Band 71	663-698

This device has WWAN RW101R-GL module integrated into the device.  
WLAN transmit antennas located at the top of panel which the distance of antenna to human body is over 20cm (refer to Appendix A) and according to FCC regulation, it is SAR exclusion.

### 1.3 Maximum value

Summary of Maximum SAR Value	
Mode	Highest SAR 1g (W/kg)
LTE Band 14	1.2

### 1.4 Antenna Information

Vendor	INPAQ									
Antenna	Main									
Part Number	WA-P-S6G1-02-040									
Frequency(MHz)	71 663~698	12 699~716	17 704~716	13 777~787	14 788~798	26 814~849	5 824~849	4 1710~1755	66 1710~1780	2 1850~1910
Gain (dBi)	-1.46	-1.61	-1.56	0.19	0.29	0.42	0.18	-2.03	-1.46	-0.12
Frequency(MHz)	25 1850~1915	30 2305~2315	41 2496~2690	7 2500~2570	38 2570~2620	48 3550~3700				
Gain (dBi)	-0.30	0.30	0.26	0.45	0.45	0.74				

Vendor	INNOWAVE									
Antenna	Main									
Part Number	F001G9713111000									
Frequency(MHz)	71 663~698	12 699~716	17 704~716	13 777~787	14 788~798	26 814~849	5 824~849	4 1710~1755	66 1710~1780	2 1850~1910
Gain (dBi)	0.05	0.15	0.38	-1.10	-1.52	-1.01	-1.01	-0.31	-0.26	2.93
Frequency(MHz)	25 1850~1915	30 2305~2315	41 2496~2690	7 2500~2570	38 2570~2620	48 3550~3700				
Gain (dBi)	2.93	1.14	0.51	0.51	0.16	2.28				

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		
		SAR 8		
	No. 2, Keji 1st Rd., Guishan Township, Taoyuan County, 33383, Taiwan	SAR 1	TW0028	
		SAR 4		
	<b>No.134, Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan</b>	SAR 3	TW0027	
		<b>SAR 7</b>		

**Note:** Test site name is remarked on a bolded mark as an indication where measurements occurred in specific test site and address.

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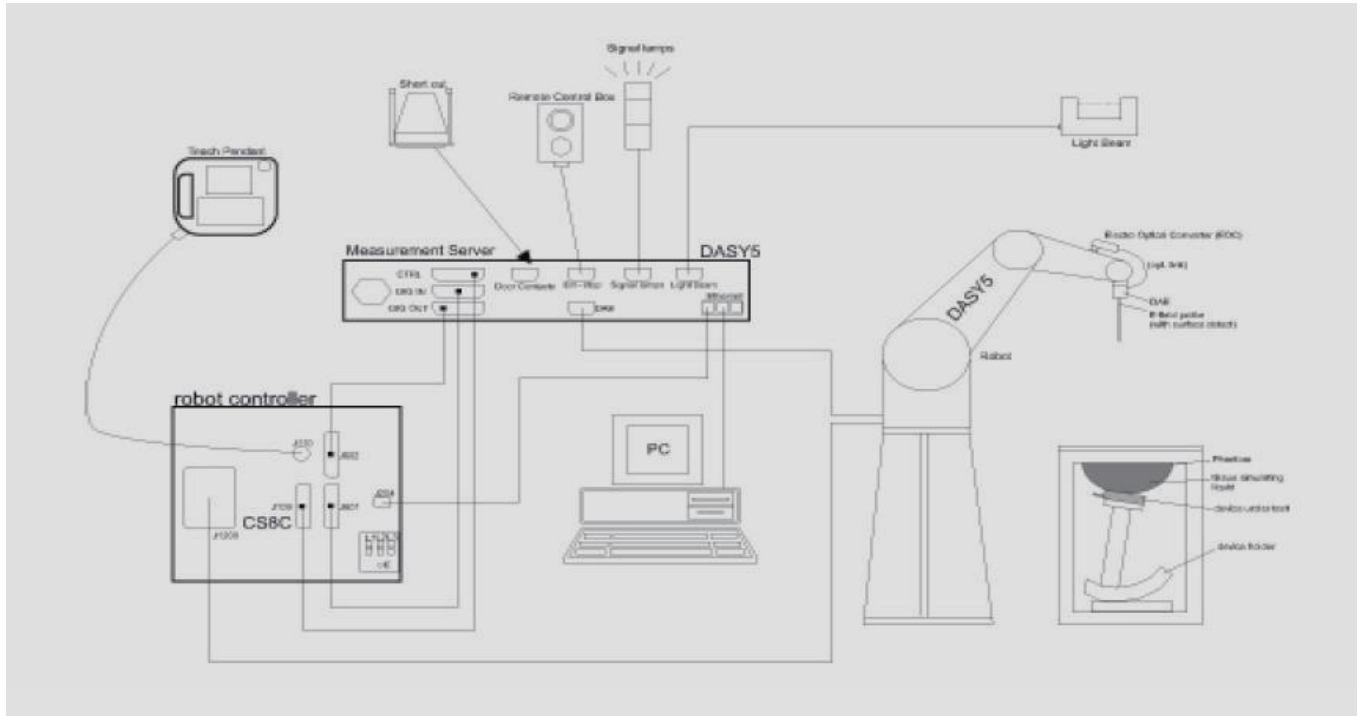
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## 2.2 SAR System

### 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  $SAR = \sigma (|E|)^2 / \rho$  where  $\sigma$  and  $\rho$  are the conductivity and mass density of the tissue-simulant.




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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 750/835/1750/1900/2300/2600/3500/3700 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

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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### 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 rint (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 (DAK-3.5)

All dielectric parameters of tissue simulates were measured within 24 hours of SAR measurements. The measured conductivity and permittivity are all within  $\pm 5\%$  of the target values.

#### 3.3 Measurement results of Tissue Simulant Liquid

Measured Frequency (MHz)	Target Dielectric Constant, $\epsilon_r$	Target Conductivity, $\sigma$ (S/m)	Measured Dielectric Constant, $\epsilon_r$	Measured Conductivity, $\sigma$ (S/m)	% dev $\epsilon_r$	% dev $\sigma$	Limit	Measurement Date
673	42.311	0.885	43.366	0.881	2.49%	-0.44%	$\pm 5\%$	Dec. 11, 2024
680.5	42.271	0.885	43.131	0.888	2.04%	0.30%	$\pm 5\%$	
688	42.231	0.886	43.100	0.889	2.06%	0.35%	$\pm 5\%$	
704	42.145	0.887	43.063	0.899	2.18%	1.36%	$\pm 5\%$	
707.5	42.127	0.887	43.038	0.901	2.16%	1.56%	$\pm 5\%$	
709	42.119	0.887	43.002	0.901	2.10%	1.55%	$\pm 5\%$	
710	42.113	0.887	42.990	0.901	2.08%	1.54%	$\pm 5\%$	
711	42.108	0.887	42.974	0.902	2.06%	1.65%	$\pm 5\%$	
750	41.900	0.890	42.839	0.904	2.24%	1.57%	$\pm 5\%$	
782	41.749	0.894	42.623	0.909	2.09%	1.70%	$\pm 5\%$	
793	41.698	0.895	42.541	0.914	2.02%	2.12%	$\pm 5\%$	
821.5	41.564	0.898	42.463	0.917	2.16%	2.07%	$\pm 5\%$	
822.5	41.559	0.899	42.460	0.918	2.17%	2.17%	$\pm 5\%$	
826.4	41.540	0.899	42.459	0.920	2.21%	2.34%	$\pm 5\%$	
829	41.528	0.899	42.459	0.923	2.24%	2.64%	$\pm 5\%$	
831.5	41.516	0.900	42.455	0.923	2.26%	2.60%	$\pm 5\%$	
835	41.500	0.900	42.432	0.925	2.25%	2.78%	$\pm 5\%$	
836.5	41.500	0.902	42.421	0.927	2.22%	2.82%	$\pm 5\%$	
836.6	41.500	0.902	42.379	0.928	2.12%	2.91%	$\pm 5\%$	
841.5	41.500	0.907	42.378	0.928	2.12%	2.32%	$\pm 5\%$	
844	41.500	0.910	42.369	0.930	2.09%	2.23%	$\pm 5\%$	
846.6	41.500	0.912	42.344	0.935	2.03%	2.47%	$\pm 5\%$	

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Measured Frequency (MHz)	Target Dielectric Constant, $\epsilon_r$	Target Conductivity, $\sigma$ (S/m)	Measured Dielectric Constant, $\epsilon_r$	Measured Conductivity, $\sigma$ (S/m)	% dev $\epsilon_r$	% dev $\sigma$	Limit	Measurement Date
1712.4	40.134	1.349	41.040	1.396	2.26%	3.45%	$\pm 5\%$	Dec. 12, 2024
1720	40.127	1.354	41.016	1.399	2.21%	3.35%	$\pm 5\%$	
1732.4	40.097	1.361	41.012	1.400	2.28%	2.84%	$\pm 5\%$	
1732.5	40.116	1.360	41.011	1.401	2.23%	2.98%	$\pm 5\%$	
1745	40.105	1.367	40.994	1.409	2.22%	3.05%	$\pm 5\%$	
1750	40.100	1.370	40.985	1.416	2.21%	3.36%	$\pm 5\%$	
1752.6	40.095	1.372	40.977	1.418	2.20%	3.39%	$\pm 5\%$	
1770	40.060	1.382	40.955	1.421	2.23%	2.82%	$\pm 5\%$	
1852.4	40.000	1.400	40.954	1.446	2.39%	3.29%	$\pm 5\%$	
1860	40.000	1.400	40.948	1.446	2.37%	3.29%	$\pm 5\%$	
1880	40.000	1.400	40.906	1.448	2.27%	3.43%	$\pm 5\%$	
1882.5	40.000	1.400	40.868	1.449	2.17%	3.50%	$\pm 5\%$	
1900	40.000	1.400	40.853	1.450	2.13%	3.57%	$\pm 5\%$	
1900	40.000	1.400	40.834	1.453	2.09%	3.79%	$\pm 5\%$	
1905	40.000	1.400	40.832	1.455	2.08%	3.93%	$\pm 5\%$	
1907.6	40.000	1.400	40.830	1.456	2.08%	4.00%	$\pm 5\%$	
2300	39.500	1.670	40.323	1.740	2.08%	4.19%	$\pm 5\%$	Dec. 13, 2024
2310	39.480	1.679	40.317	1.749	2.12%	4.19%	$\pm 5\%$	
2506	39.125	1.860	40.041	1.927	2.34%	3.62%	$\pm 5\%$	
2510	39.120	1.864	39.993	1.928	2.23%	3.43%	$\pm 5\%$	
2535	39.087	1.891	39.990	1.949	2.31%	3.09%	$\pm 5\%$	
2549.5	39.067	1.906	39.957	1.961	2.28%	2.88%	$\pm 5\%$	
2560	39.053	1.917	39.923	1.975	2.23%	3.01%	$\pm 5\%$	
2580	39.027	1.939	39.905	1.991	2.25%	2.70%	$\pm 5\%$	
2593	39.009	1.953	39.903	2.002	2.29%	2.53%	$\pm 5\%$	
2600	39.000	1.960	39.895	2.017	2.29%	2.91%	$\pm 5\%$	
2610	38.988	1.971	39.842	2.024	2.19%	2.69%	$\pm 5\%$	
2636.5	38.954	2.000	39.834	2.043	2.26%	2.14%	$\pm 5\%$	
2680	38.900	2.048	39.810	2.091	2.34%	2.10%	$\pm 5\%$	
3500	37.900	2.910	38.874	2.973	2.57%	2.16%	$\pm 5\%$	Dec. 14, 2024
3560	37.840	2.972	38.782	3.035	2.49%	2.11%	$\pm 5\%$	
3609	37.791	3.023	38.701	3.086	2.41%	2.07%	$\pm 5\%$	
3690	37.710	3.108	38.639	3.169	2.46%	1.98%	$\pm 5\%$	
3700	37.700	3.118	38.566	3.173	2.30%	1.76%	$\pm 5\%$	

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### 3.4 The composition of the tissue simulating liquid:

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

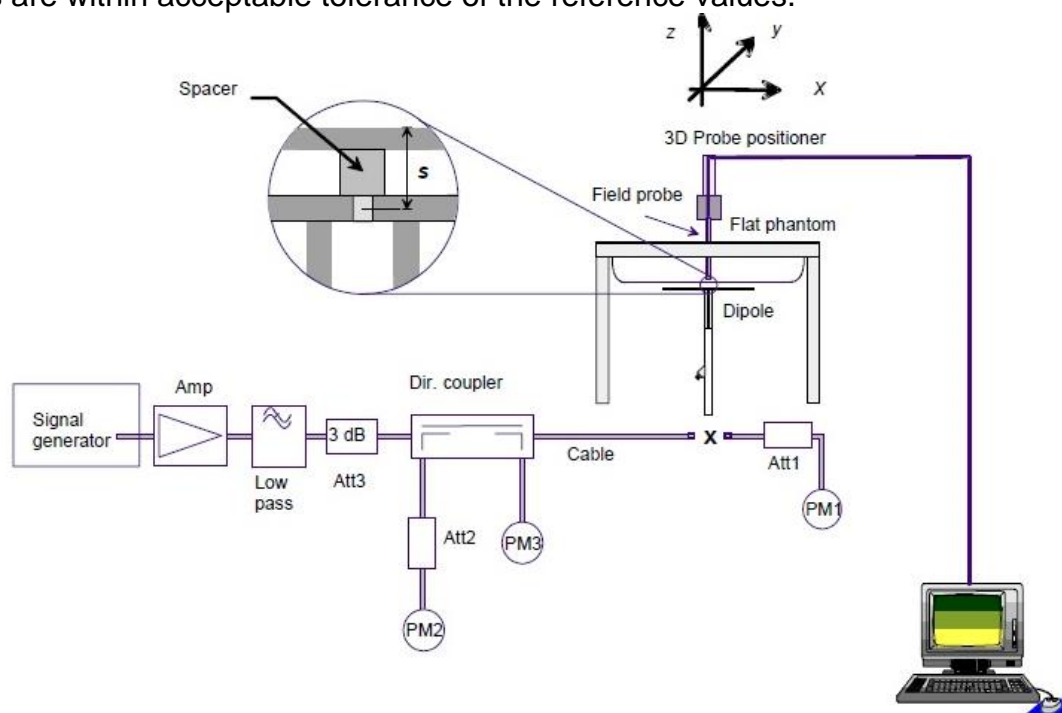
Broad-band head tissue simulating liquids	SPEAG Product	Frequency range (MHz)	Main Ingredients
	HBBL600-10000V6	600 - 10000	Water, Oil

### 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

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	8.51	2.03	8.12	-4.58	± 10%	Dec.11,2024
D835V2	4d063	835	9.4	2.48	9.92	5.53	± 10%	Dec.11,2024
D1750V2	1158	1750	36.3	8.94	35.76	-1.49	± 10%	Dec.12,2024
D1900V2	5d056	1900	39.3	9.17	36.68	-6.67	± 10%	Dec.12,2024
D2300V2	1009	2300	49.7	12.9	51.6	3.82	± 10%	Dec.13,2024
D2600V2	1005	2600	56	14.2	56.8	1.43	± 10%	Dec.13,2024
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	1017	3500	66.7	6.7	67	0.45	± 10%	Dec.14,2024
D3700V2	1074	3700	65.5	6.49	64.9	-0.92	± 10%	Dec.14,2024

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## 4 TEST CONFIGURATIONS

### 4.1 Test Environment

Ambient Temperature:  $22\pm 2^{\circ}\text{C}$

Tissue Simulating Liquid:  $22\pm 2^{\circ}\text{C}$

### 4.2 Test Note

- **General:** Measurements are performed respectively on the lowest, middle and highest channels of the operating band(s).
  - **General:** The EUT is set to maximum power level during all tests, and at the beginning of each test the battery is fully charged.
  - **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.
  - **General:** According to KDB447498D01v06, testing of other required channels is not required when the reported 1-g SAR for the highest output channel is  $\leq 0.8\text{ W/kg}$ , when the transmission band is  $\leq 100\text{ MHz}$ .
  - **General:** According to KDB865664D01v01r04, SAR measurement variability must be assessed for each frequency band. When the original highest measured SAR is  $\geq 0.8\text{ W/kg}$ , 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  $\geq 1.45\text{ W/kg}$  ( $\sim 10\%$  from the 1-g SAR limit).
  - **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  $\leq 0.8\text{ W/kg}$ , 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  $> 1.45\text{ W/kg}$ , 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

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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  $\leq 0.8$  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  $> \frac{1}{2}$  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 measure SAR when the highest maximum output power of a configuration requiring testing in the smaller channel bandwidth is  $> \frac{1}{2}$  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.

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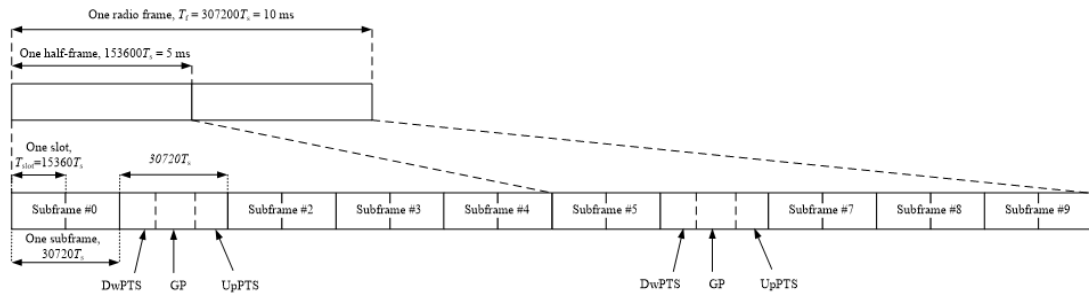


Figure 4.2-1: Frame structure type 2 (for 5 ms switch-point periodicity)

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

Special subframe configuration n	Normal cyclic prefix in downlink			Extended cyclic prefix in downlink		
	DwPTS	GP	UpPTS	DwPTS	GP	UpPTS
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
0	5 ms	D	S	U	U	D	D	S	U
1	5 ms	D	S	U	U	D	D	S	U
2	5 ms	D	S	U	D	D	D	S	U
3	10 ms	D	S	U	U	U	D	D	D
4	10 ms	D	S	U	U	D	D	D	D
5	10 ms	D	S	U	D	D	D	D	D
6	5 ms	D	S	U	U	U	D	S	U

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%.

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#### 4.3 Test position

##### Laptop mode SAR test position (0mm)

For laptop PC, according to KDB 616217 D04, SAR evaluation is required for the bottom surface of the keyboard. This EUT was tested in the base of EUT directly against the flat phantom. The required minimum test separation distance for incorporating transmitters and antennas into laptop computer display is determined with the display screen opened at an angle of 90° to the keyboard compartment.

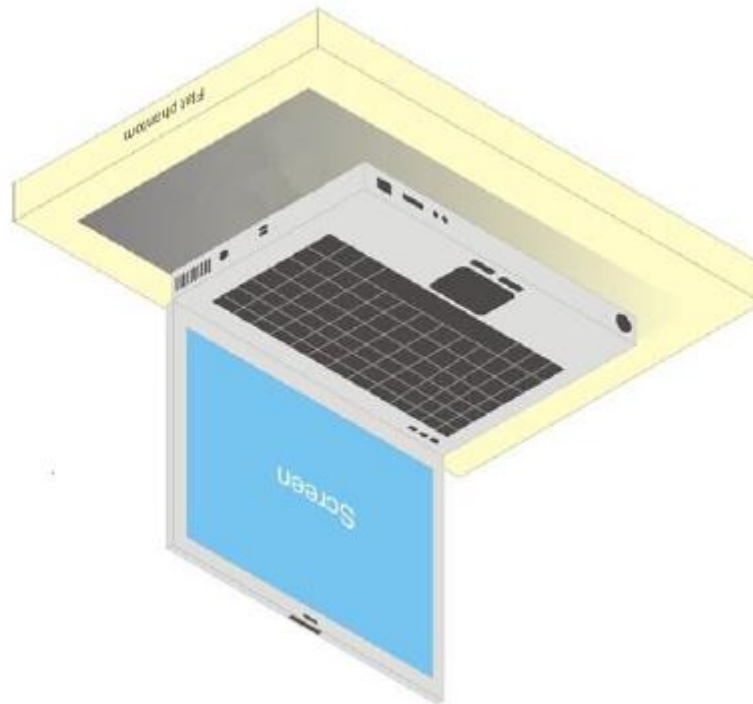


Illustration for Laptop Setup

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#### 4.4 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.

##### 4.5.1 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. 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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#### 4.5.2 Trigger distances

##### Test procedure:

1. The entire bottom surface of the laptop 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 bottom surface is moved toward the phantom in 3 mm steps until the sensor triggers.
3. The bottom surface 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 bottom surface 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 bottom surface 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 bottom surface 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  $\pm 5$  mm of the triggering points, or until the bottom surface 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 bottom surface, the trigger distance of proximity sensor is tabulated below.

Trigger distance (mm)	Bottom surface
WWAN Main Antenna	20

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## 4.5.3 Tilt angle testing

## Test procedure:

1. The influence of tablet 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  $\leq 10$  deg increments until the tablet is  $\pm 45$ deg or more from the vertical position at 0 deg.
2. If sensor triggering is released and normal maximum output power is restored within the  $\pm 45$ deg 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 the edges, please refer to table 1.6.5 and 1.6.6.
5. The tilt angle testing is not required for front edge because there is no power reduction for front edge which has been tested with full power.

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#### 4.5.4 Proximity sensor coverage

The following procedures do not apply and are not required because 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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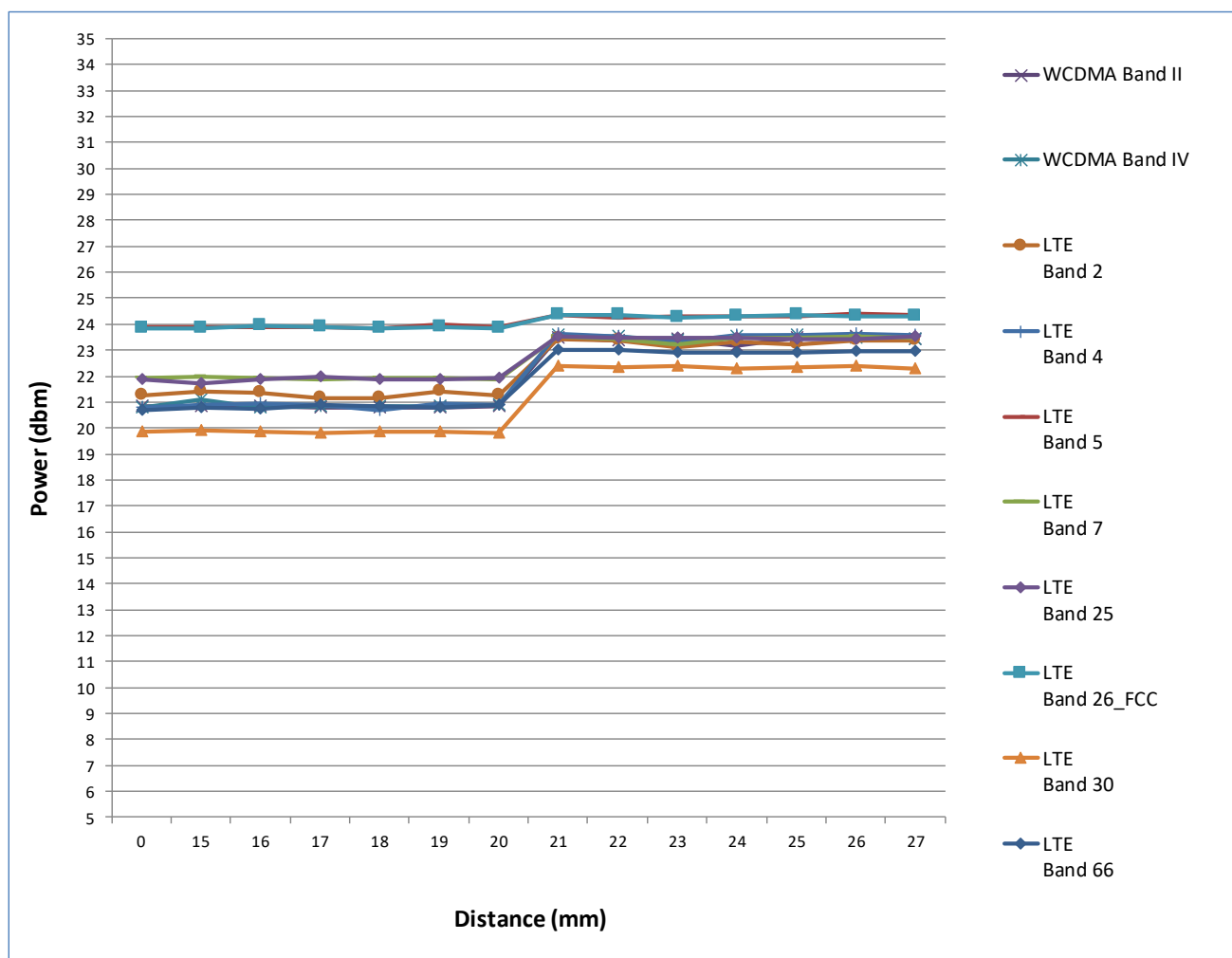
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## 4.5.5 Results

The measured output power within  $\pm 5$  mm of the triggering points, or until the bottom surface of the laptop is touching the phantom, for movements to and from the phantom is tabulated in the following.

## Bottom of Laptop

## Moving device toward the phantom

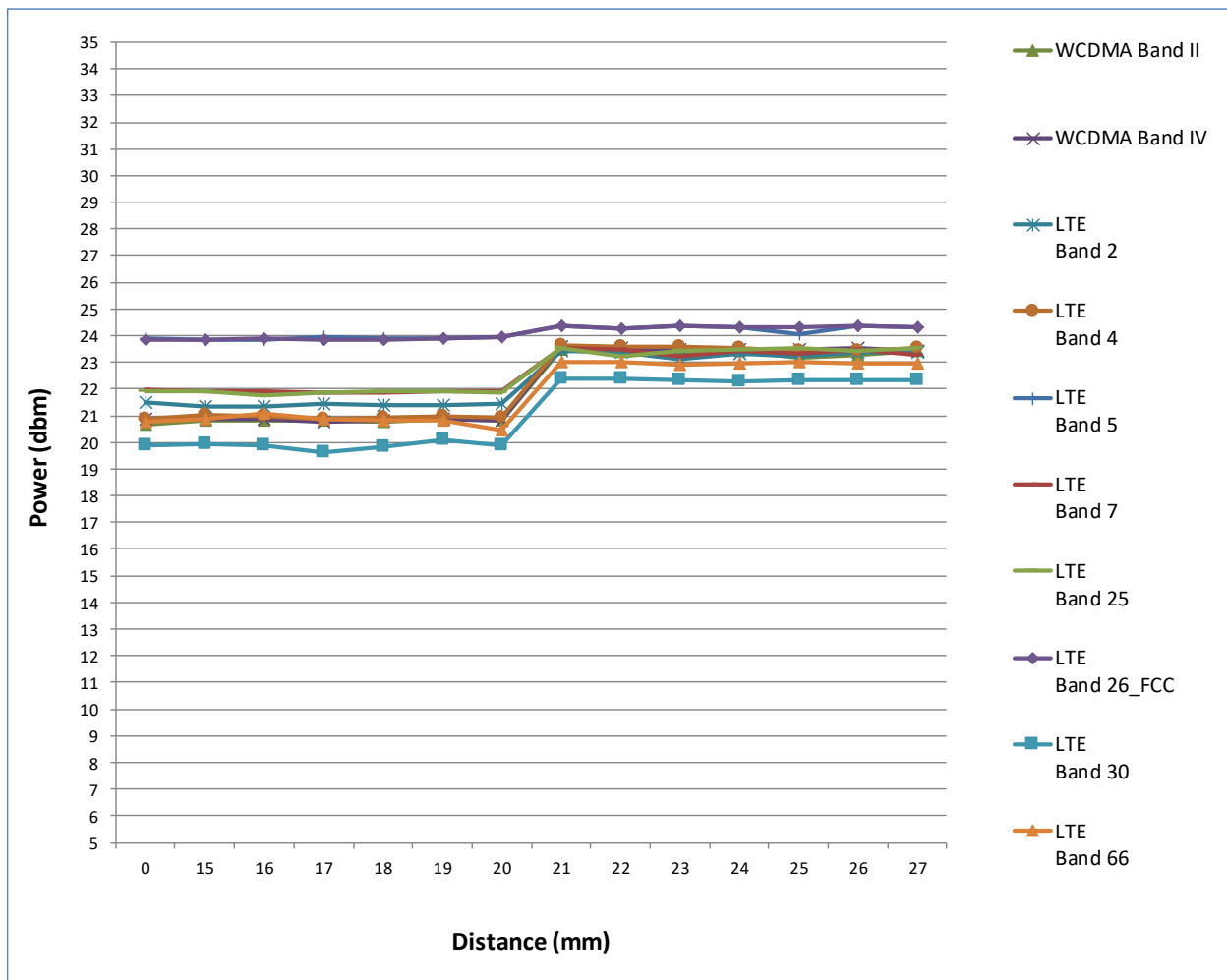


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### Note:

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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#### 4.5.6 Operation description for P-sensor

##### **Power Reduction Design Specification (for P-sensor)**

With P-sensor mechanism, the maximum reduced power table in chapter 5 would be the default power when P-sensor failure or malfunction.

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#### 4.5 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 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

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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 4cm<sup>2</sup> 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 <sup>2</sup> )	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 <sup>2</sup> )	<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 <sup>2</sup> )	<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 MAXIMUM OUTPUT POWER

### 5.1 WCDMA

Full

Band		WCDMA II		
TX Channel		9262	9400	9538
Frequency (MHz)		1852.4	1880	1907.6
Max. Rated Avg. Power+Max. Tolerance (dBm)		24.50		
3GPP Rel 99	RMC 12.2Kbps	23.27	23.48	23.41
3GPP Rel 5	HSDPA Subtest-1	22.83	23.19	22.92
	HSDPA Subtest-2	22.86	23.13	22.90
	HSDPA Subtest-3	22.53	22.73	22.39
	HSDPA Subtest-4	22.39	22.69	22.55
3GPP Rel 6	HSUPA Subtest-1	22.92	23.01	22.99
	HSUPA Subtest-2	20.75	21.17	21.03
	HSUPA Subtest-3	21.69	22.19	21.91
	HSUPA Subtest-4	20.84	20.98	21.07
	HSUPA Subtest-5	22.82	23.20	22.95
3GPP Rel 7	HSPA+	20.42	20.82	20.56
3GPP Rel 8	DC-HSDPA Subtest-1	22.98	22.97	23.11
	DC-HSDPA Subtest-2	22.88	23.13	22.88
	DC-HSDPA Subtest-3	22.26	22.62	22.49
	DC-HSDPA Subtest-4	22.50	22.54	22.64
Band		WCDMA IV		
TX Channel		1312	1413	1513
Frequency (MHz)		1712.4	1732.6	1752.6
Max. Rated Avg. Power+Max. Tolerance (dBm)		24.50		
3GPP Rel 99	RMC 12.2Kbps	23.34	23.57	23.46
3GPP Rel 5	HSDPA Subtest-1	22.83	23.19	23.04
	HSDPA Subtest-2	22.80	23.05	23.06
	HSDPA Subtest-3	22.40	22.52	22.43
	HSDPA Subtest-4	22.35	22.61	22.49
3GPP Rel 6	HSUPA Subtest-1	22.77	23.16	22.95
	HSUPA Subtest-2	20.99	21.24	20.83
	HSUPA Subtest-3	21.95	22.17	21.91
	HSUPA Subtest-4	20.81	21.22	20.94
	HSUPA Subtest-5	22.92	23.11	23.04
3GPP Rel 7	HSPA+	20.46	20.72	20.57
3GPP Rel 8	DC-HSDPA Subtest-1	22.86	23.26	22.93
	DC-HSDPA Subtest-2	22.80	23.14	22.81
	DC-HSDPA Subtest-3	22.36	22.61	22.30
	DC-HSDPA Subtest-4	22.34	22.49	22.52

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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)		24.50		
3GPP Rel 99	RMC 12.2Kbps	23.68	23.56	23.64
3GPP Rel 5	HSDPA Subtest-1	23.19	23.17	23.30
	HSDPA Subtest-2	23.46	23.39	23.31
	HSDPA Subtest-3	22.80	22.90	22.95
	HSDPA Subtest-4	22.69	22.74	22.71
3GPP Rel 6	HSUPA Subtest-1	23.19	23.12	23.47
	HSUPA Subtest-2	21.36	21.29	21.23
	HSUPA Subtest-3	22.32	22.23	22.34
	HSUPA Subtest-4	21.28	21.38	21.26
	HSUPA Subtest-5	23.35	23.19	23.31
3GPP Rel 7	HSPA+	20.81	20.68	21.05
3GPP Rel 8	DC-HSDPA Subtest-1	23.38	23.25	23.41
	DC-HSDPA Subtest-2	23.43	23.37	23.23
	DC-HSDPA Subtest-3	22.83	22.88	22.86
	DC-HSDPA Subtest-4	22.65	22.80	22.73

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# Reduced

Band		WCDMA II		
TX Channel		9262	9400	9538
Frequency (MHz)		1852.4	1880	1907.6
Max. Rated Avg. Power+Max. Tolerance (dBm)		21.00		
3GPP Rel 99	RMC 12.2Kbps	20.80	20.87	20.69
3GPP Rel 5	HSDPA Subtest-1	20.25	20.59	20.35
	HSDPA Subtest-2	20.34	20.61	20.35
	HSDPA Subtest-3	20.02	20.17	19.87
	HSDPA Subtest-4	19.82	20.14	20.02
3GPP Rel 6	HSUPA Subtest-1	20.42	20.45	20.45
	HSUPA Subtest-2	18.18	18.67	18.48
	HSUPA Subtest-3	19.13	19.62	19.33
	HSUPA Subtest-4	18.27	18.41	18.55
	HSUPA Subtest-5	20.22	20.69	20.45
3GPP Rel 7	HSPA+	17.90	18.32	17.96
3GPP Rel 8	DC-HSDPA Subtest-1	20.42	20.40	20.55
	DC-HSDPA Subtest-2	20.38	20.56	20.32
	DC-HSDPA Subtest-3	19.76	20.08	19.98
	DC-HSDPA Subtest-4	19.98	20.04	20.06
Band		WCDMA IV		
TX Channel		1312	1413	1513
Frequency (MHz)		1712.4	1732.6	1752.6
Max. Rated Avg. Power+Max. Tolerance (dBm)		21.00		
3GPP Rel 99	RMC 12.2Kbps	20.76	20.88	20.77
3GPP Rel 5	HSDPA Subtest-1	20.30	20.59	20.44
	HSDPA Subtest-2	20.22	20.51	20.47
	HSDPA Subtest-3	19.87	19.94	19.90
	HSDPA Subtest-4	19.83	20.09	19.94
3GPP Rel 6	HSUPA Subtest-1	20.26	20.66	20.38
	HSUPA Subtest-2	18.46	18.71	18.33
	HSUPA Subtest-3	19.42	19.63	19.31
	HSUPA Subtest-4	18.21	18.70	18.36
	HSUPA Subtest-5	20.41	20.55	20.44
3GPP Rel 7	HSPA+	17.95	18.20	17.99
3GPP Rel 8	DC-HSDPA Subtest-1	20.28	20.66	20.39
	DC-HSDPA Subtest-2	20.20	20.59	20.22
	DC-HSDPA Subtest-3	19.82	20.09	19.78
	DC-HSDPA Subtest-4	19.82	19.92	20.00

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# Full

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	23.41	23.36	23.27	24.00	0
		1	50	22.99	22.98	22.94	24.00	0
		1	99	22.97	22.85	22.86	24.00	0
		50	0	21.88	22.08	21.69	23.00	1
		50	25	21.92	21.94	21.89	23.00	1
		50	50	21.89	21.80	21.92	23.00	1
		100	0	22.05	21.96	21.90	23.00	1
20	16-QAM	1	0	21.86	21.95	21.81	23.00	1
		1	50	22.07	21.87	21.79	23.00	1
		1	99	22.04	21.95	21.91	23.00	1
		50	0	20.92	21.10	20.95	22.00	2
		50	25	20.85	20.78	21.00	22.00	2
		50	50	21.06	20.98	20.91	22.00	2
		100	0	20.94	21.06	20.90	22.00	2
20	64-QAM	1	0	20.96	20.94	20.93	22.00	2
		1	50	21.00	21.02	21.06	22.00	2
		1	99	21.03	20.90	20.78	22.00	2
		50	0	19.96	20.05	19.93	21.00	3
		50	25	20.05	19.96	19.69	21.00	3
		50	50	20.13	20.04	20.03	21.00	3
		100	0	20.11	19.86	19.88	21.00	3
20	256-QAM	1	0	19.90	19.80	19.75	21.00	3
		1	50	19.94	19.97	19.98	21.00	3
		1	99	20.00	20.06	19.93	21.00	3
		50	0	19.08	18.90	18.99	20.00	4
		50	25	18.88	18.96	18.91	20.00	4
		50	50	18.84	18.83	18.69	20.00	4
		100	0	19.00	18.95	18.97	20.00	4

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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	23.04	22.99	22.82	24.00	0
		1	36	23.00	22.91	22.83	24.00	0
		1	74	22.99	23.04	23.03	24.00	0
		36	0	21.88	21.92	21.93	23.00	1
		36	18	21.88	21.87	21.91	23.00	1
		36	37	22.07	21.90	21.92	23.00	1
		75	0	22.19	21.93	21.76	23.00	1
15	16-QAM	1	0	21.82	22.05	21.94	23.00	1
		1	36	22.06	22.09	22.03	23.00	1
		1	74	22.00	21.93	21.85	23.00	1
		36	0	21.03	21.04	20.84	22.00	2
		36	18	21.14	20.95	21.00	22.00	2
		36	37	20.98	20.96	20.81	22.00	2
		75	0	21.07	20.95	20.88	22.00	2
15	64-QAM	1	0	20.99	20.86	20.95	22.00	2
		1	36	20.87	21.07	20.90	22.00	2
		1	74	20.89	21.02	20.88	22.00	2
		36	0	19.81	19.88	19.71	21.00	3
		36	18	19.98	20.03	19.86	21.00	3
		36	37	19.99	19.81	19.72	21.00	3
		75	0	20.07	19.90	19.93	21.00	3
15	256-QAM	1	0	20.02	19.90	20.05	21.00	3
		1	36	20.13	20.03	19.96	21.00	3
		1	74	19.86	19.92	19.77	21.00	3
		36	0	18.97	18.93	18.77	20.00	4
		36	18	18.95	19.00	18.81	20.00	4
		36	37	18.96	18.93	18.86	20.00	4
		75	0	19.06	18.87	18.85	20.00	4

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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	23.01	22.93	22.89	24.00	0
		1	25	22.96	22.79	22.97	24.00	0
		1	49	22.70	22.99	23.02	24.00	0
		25	0	22.01	21.91	22.04	23.00	1
		25	12	22.02	22.07	21.93	23.00	1
		25	25	21.88	22.11	21.95	23.00	1
		50	0	21.93	21.98	21.97	23.00	1
10	16-QAM	1	0	21.82	21.84	21.98	23.00	1
		1	25	21.83	21.79	21.87	23.00	1
		1	49	22.14	21.96	21.82	23.00	1
		25	0	21.01	20.85	20.96	22.00	2
		25	12	20.86	20.80	20.66	22.00	2
		25	25	20.81	20.97	20.80	22.00	2
		50	0	20.93	20.85	20.75	22.00	2
10	64-QAM	1	0	20.96	20.97	20.86	22.00	2
		1	25	20.96	21.15	20.83	22.00	2
		1	49	21.04	20.94	20.91	22.00	2
		25	0	20.00	19.88	20.09	21.00	3
		25	12	19.95	19.99	19.75	21.00	3
		25	25	20.04	19.90	19.88	21.00	3
		50	0	19.93	19.73	19.77	21.00	3
10	256-QAM	1	0	20.05	20.01	19.71	21.00	3
		1	25	19.87	20.10	19.79	21.00	3
		1	49	19.89	20.03	19.87	21.00	3
		25	0	19.06	19.08	18.90	20.00	4
		25	12	18.81	18.91	18.87	20.00	4
		25	25	19.18	18.90	18.98	20.00	4
		50	0	19.05	19.04	18.89	20.00	4

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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	22.97	23.02	22.75	24.00	0
		1	12	22.80	22.95	22.73	24.00	0
		1	24	23.02	22.89	22.85	24.00	0
		12	0	21.96	21.87	21.86	23.00	1
		12	6	21.80	22.05	22.08	23.00	1
		12	13	21.98	21.95	21.85	23.00	1
		25	0	22.01	21.97	21.77	23.00	1
5	16-QAM	1	0	21.96	22.00	21.81	23.00	1
		1	12	21.93	22.04	21.87	23.00	1
		1	24	22.08	21.89	21.92	23.00	1
		12	0	21.07	20.92	20.93	22.00	2
		12	6	21.02	21.01	20.88	22.00	2
		12	13	21.00	20.85	20.89	22.00	2
		25	0	20.91	20.98	20.80	22.00	2
5	64-QAM	1	0	21.02	20.94	20.80	22.00	2
		1	12	20.92	20.98	20.85	22.00	2
		1	24	21.10	20.87	20.95	22.00	2
		12	0	20.04	19.87	19.99	21.00	3
		12	6	20.12	19.88	19.92	21.00	3
		12	13	20.13	19.93	19.79	21.00	3
		25	0	20.00	19.81	19.95	21.00	3
5	256-QAM	1	0	19.77	20.08	19.78	21.00	3
		1	12	19.86	19.88	19.91	21.00	3
		1	24	19.66	19.84	19.75	21.00	3
		12	0	19.03	19.00	18.97	20.00	4
		12	6	18.97	18.84	18.80	20.00	4
		12	13	18.82	18.89	18.85	20.00	4
		25	0	18.93	18.92	19.01	20.00	4

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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	23.12	22.88	22.79	24.00	0
		1	7	22.97	22.91	22.93	24.00	0
		1	14	22.89	22.92	22.72	24.00	0
		8	0	21.95	21.92	22.01	23.00	1
		8	4	21.99	21.82	21.96	23.00	1
		8	7	22.03	21.83	21.94	23.00	1
		15	0	22.05	21.92	21.93	23.00	1
3	16-QAM	1	0	21.95	21.91	21.83	23.00	1
		1	7	22.08	21.85	21.81	23.00	1
		1	14	21.83	21.84	21.77	23.00	1
		8	0	20.99	21.08	20.86	22.00	2
		8	4	21.06	20.88	20.92	22.00	2
		8	7	21.00	21.11	20.78	22.00	2
		15	0	20.89	20.94	20.91	22.00	2
3	64-QAM	1	0	20.89	20.91	20.88	22.00	2
		1	7	20.87	20.91	20.87	22.00	2
		1	14	21.02	21.13	20.73	22.00	2
		8	0	19.99	20.07	19.81	21.00	3
		8	4	19.91	19.91	19.90	21.00	3
		8	7	20.13	20.00	19.84	21.00	3
		15	0	20.10	19.98	19.79	21.00	3
3	256-QAM	1	0	20.00	19.89	19.88	21.00	3
		1	7	20.02	20.08	19.84	21.00	3
		1	14	19.99	19.93	19.95	21.00	3
		8	0	19.00	18.98	18.84	20.00	4
		8	4	18.99	19.06	18.93	20.00	4
		8	7	19.02	18.84	18.88	20.00	4
		15	0	18.95	18.85	18.94	20.00	4

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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	22.96	23.05	22.94	24.00	0
		1	2	23.09	22.86	22.92	24.00	0
		1	5	22.95	23.07	22.91	24.00	0
		3	0	22.52	22.33	22.38	24.00	0
		3	2	22.41	22.35	22.37	24.00	0
		3	3	22.43	22.57	22.30	24.00	0
		6	0	21.93	21.83	21.92	23.00	1
1.4	16-QAM	1	0	22.18	22.16	22.00	23.00	1
		1	2	21.94	22.00	21.74	23.00	1
		1	5	22.04	22.10	21.92	23.00	1
		3	0	21.47	21.57	21.35	23.00	1
		3	2	21.41	21.42	21.43	23.00	1
		3	3	21.48	21.53	21.54	23.00	1
		6	0	20.93	21.00	20.84	22.00	2
1.4	64-QAM	1	0	21.02	21.06	20.92	22.00	2
		1	2	21.03	20.89	20.95	22.00	2
		1	5	20.85	20.80	20.83	22.00	2
		3	0	20.45	20.37	20.28	22.00	2
		3	2	20.52	20.56	20.40	22.00	2
		3	3	20.58	20.34	20.32	22.00	2
		6	0	20.13	20.03	20.05	21.00	3
1.4	256-QAM	1	0	19.87	20.00	19.80	21.00	3
		1	2	20.05	19.87	19.92	21.00	3
		1	5	20.02	19.93	19.88	21.00	3
		3	0	19.57	19.49	19.25	21.00	3
		3	2	19.46	19.45	19.32	21.00	3
		3	3	19.48	19.56	19.33	21.00	3
		6	0	18.96	18.99	18.94	20.00	4

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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	23.36	23.55	23.62	24.00	0
		1	50	23.24	23.20	23.10	24.00	0
		1	99	23.07	23.16	23.09	24.00	0
		50	0	22.01	22.20	22.16	23.00	1
		50	25	22.25	22.08	22.04	23.00	1
		50	50	22.06	22.10	22.22	23.00	1
		100	0	22.14	22.09	22.18	23.00	1
20	16-QAM	1	0	22.23	22.29	22.11	23.00	1
		1	50	22.19	22.19	22.20	23.00	1
		1	99	22.24	22.29	22.06	23.00	1
		50	0	21.25	21.16	21.27	22.00	2
		50	25	21.22	21.14	21.06	22.00	2
		50	50	21.27	21.09	21.17	22.00	2
		100	0	21.09	21.27	21.13	22.00	2
20	64-QAM	1	0	21.16	21.26	21.24	22.00	2
		1	50	21.19	21.10	21.01	22.00	2
		1	99	21.21	21.22	21.05	22.00	2
		50	0	20.15	20.11	20.24	21.00	3
		50	25	20.09	20.23	20.11	21.00	3
		50	50	20.02	20.13	20.30	21.00	3
		100	0	20.14	20.01	20.02	21.00	3
20	256-QAM	1	0	20.15	20.16	20.27	21.00	3
		1	50	20.22	20.14	20.26	21.00	3
		1	99	20.24	20.06	20.07	21.00	3
		50	0	19.27	19.24	19.07	20.00	4
		50	25	19.09	19.27	19.16	20.00	4
		50	50	19.28	19.21	19.28	20.00	4
		100	0	19.04	19.02	19.22	20.00	4

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Frequency (MHz)				1717.5	1732.5	1747.5		
Channel				20025	20175	20325		
15	QPSK	1	0	23.17	23.12	23.19	24.00	0
		1	36	23.21	23.27	23.01	24.00	0
		1	74	23.15	23.29	23.24	24.00	0
		36	0	22.26	22.01	22.25	23.00	1
		36	18	22.00	22.03	22.27	23.00	1
		36	37	22.28	22.16	22.21	23.00	1
		75	0	22.00	22.05	22.10	23.00	1
15	16-QAM	1	0	22.00	22.03	22.16	23.00	1
		1	36	22.07	22.15	22.01	23.00	1
		1	74	22.28	22.21	22.13	23.00	1
		36	0	21.09	21.02	21.27	22.00	2
		36	18	21.11	21.28	21.25	22.00	2
		36	37	21.21	21.24	21.06	22.00	2
		75	0	21.01	21.29	21.09	22.00	2
15	64-QAM	1	0	21.07	21.03	21.27	22.00	2
		1	36	21.25	21.08	21.20	22.00	2
		1	74	21.12	21.04	21.29	22.00	2
		36	0	20.26	20.08	20.09	21.00	3
		36	18	20.25	20.02	20.19	21.00	3
		36	37	20.15	20.27	20.10	21.00	3
		75	0	20.22	20.13	20.29	21.00	3
15	256-QAM	1	0	20.24	20.22	20.03	21.00	3
		1	36	20.19	20.02	20.25	21.00	3
		1	74	20.11	20.07	20.23	21.00	3
		36	0	19.20	19.07	19.06	20.00	4
		36	18	19.12	19.14	19.23	20.00	4
		36	37	19.20	19.29	19.28	20.00	4
		75	0	19.25	19.02	19.07	20.00	4

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Frequency (MHz)				1715	1732.5	1750		
Channel				20000	20175	20350		
10	QPSK	1	0	23.28	23.10	23.05	24.00	0
		1	25	23.14	23.20	23.06	24.00	0
		1	49	23.20	23.03	23.21	24.00	0
		25	0	22.27	22.11	22.29	23.00	1
		25	12	22.24	22.02	22.18	23.00	1
		25	25	22.26	22.04	22.15	23.00	1
		50	0	22.19	22.06	22.20	23.00	1
10	16-QAM	1	0	22.07	22.16	22.08	23.00	1
		1	25	22.14	22.19	22.11	23.00	1
		1	49	22.20	22.23	22.29	23.00	1
		25	0	21.18	21.00	21.08	22.00	2
		25	12	21.01	21.14	21.29	22.00	2
		25	25	21.28	21.05	21.16	22.00	2
		50	0	21.02	21.23	21.04	22.00	2
10	64-QAM	1	0	21.03	21.21	21.12	22.00	2
		1	25	21.09	21.19	21.26	22.00	2
		1	49	21.02	21.27	21.26	22.00	2
		25	0	20.07	20.09	20.24	21.00	3
		25	12	20.08	20.08	20.11	21.00	3
		25	25	20.00	20.22	20.24	21.00	3
		50	0	20.18	20.18	20.10	21.00	3
10	256-QAM	1	0	20.16	20.21	20.01	21.00	3
		1	25	20.20	20.22	20.24	21.00	3
		1	49	20.24	20.01	20.20	21.00	3
		25	0	19.25	19.23	19.12	20.00	4
		25	12	19.14	19.05	19.09	20.00	4
		25	25	19.23	19.05	19.25	20.00	4
		50	0	19.15	19.04	19.27	20.00	4

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Frequency (MHz)				1712.5	1732.5	1752.5		
Channel				19975	20175	20375		
5	QPSK	1	0	23.28	23.21	23.29	24.00	0
		1	12	23.27	23.24	23.28	24.00	0
		1	24	23.10	23.03	23.24	24.00	0
		12	0	22.25	22.22	22.02	23.00	1
		12	6	22.19	22.21	22.00	23.00	1
		12	13	22.14	22.26	22.27	23.00	1
		25	0	22.27	22.04	22.08	23.00	1
5	16-QAM	1	0	22.23	22.07	22.28	23.00	1
		1	12	22.27	22.06	22.05	23.00	1
		1	24	22.10	22.16	22.15	23.00	1
		12	0	21.18	21.13	21.02	22.00	2
		12	6	21.27	21.25	21.24	22.00	2
		12	13	21.14	21.29	21.21	22.00	2
		25	0	21.01	21.04	21.05	22.00	2
5	64-QAM	1	0	21.05	21.16	21.19	22.00	2
		1	12	21.22	21.11	21.07	22.00	2
		1	24	21.28	21.14	21.20	22.00	2
		12	0	20.07	20.05	20.20	21.00	3
		12	6	20.15	20.09	20.05	21.00	3
		12	13	20.03	20.13	20.25	21.00	3
		25	0	20.14	20.21	20.24	21.00	3
5	256-QAM	1	0	20.26	20.22	20.27	21.00	3
		1	12	20.29	20.06	20.12	21.00	3
		1	24	20.22	20.01	20.29	21.00	3
		12	0	19.27	19.36	19.05	20.00	4
		12	6	19.26	19.03	19.45	20.00	4
		12	13	19.28	19.13	19.08	20.00	4
		25	0	19.21	19.25	19.01	20.00	4

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Frequency (MHz)				1711.5	1732.5	1753.5		
Channel				19965	20175	20385		
3	QPSK	1	0	23.08	23.22	23.16	24.00	0
		1	7	23.06	23.09	23.17	24.00	0
		1	14	23.13	23.19	23.24	24.00	0
		8	0	22.21	22.00	22.18	23.00	1
		8	4	22.08	22.25	22.22	23.00	1
		8	7	22.23	22.24	22.17	23.00	1
		15	0	22.34	22.15	22.25	23.00	1
3	16-QAM	1	0	22.14	22.01	22.07	23.00	1
		1	7	22.09	22.15	22.17	23.00	1
		1	14	22.12	22.05	22.03	23.00	1
		8	0	21.23	21.01	21.22	22.00	2
		8	4	21.09	21.02	21.01	22.00	2
		8	7	21.26	21.06	21.13	22.00	2
		15	0	21.08	21.00	21.07	22.00	2
3	64-QAM	1	0	21.21	21.01	21.20	22.00	2
		1	7	21.19	21.09	21.08	22.00	2
		1	14	21.10	21.20	21.07	22.00	2
		8	0	20.10	20.06	20.05	21.00	3
		8	4	20.15	20.19	20.16	21.00	3
		8	7	20.04	20.07	20.01	21.00	3
		15	0	20.02	20.13	20.17	21.00	3
3	256-QAM	1	0	20.15	20.14	20.21	21.00	3
		1	7	20.06	20.05	20.28	21.00	3
		1	14	20.01	20.04	20.27	21.00	3
		8	0	19.17	19.12	19.18	20.00	4
		8	4	19.02	19.24	19.00	20.00	4
		8	7	19.20	19.28	19.15	20.00	4
		15	0	19.30	19.20	19.19	20.00	4

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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	23.04	23.23	23.06	24.00	0
		1	2	23.21	23.02	23.02	24.00	0
		1	5	23.20	23.29	23.13	24.00	0
		3	0	23.14	23.16	23.29	24.00	0
		3	2	23.06	23.21	23.18	24.00	0
		3	3	23.17	23.20	23.00	24.00	0
		6	0	22.28	22.07	22.06	23.00	1
1.4	16-QAM	1	0	22.28	22.06	22.24	23.00	1
		1	2	22.20	22.04	22.09	23.00	1
		1	5	22.26	22.15	22.17	23.00	1
		3	0	22.18	22.27	22.05	23.00	1
		3	2	22.09	22.02	22.08	23.00	1
		3	3	22.07	22.27	22.09	23.00	1
		6	0	21.27	21.21	21.12	22.00	2
1.4	64-QAM	1	0	21.30	21.22	21.15	22.00	2
		1	2	21.18	21.05	21.29	22.00	2
		1	5	21.13	21.12	21.10	22.00	2
		3	0	21.14	21.06	21.27	22.00	2
		3	2	21.26	21.03	21.05	22.00	2
		3	3	21.12	21.16	21.24	22.00	2
		6	0	20.08	20.07	20.18	21.00	3
1.4	256-QAM	1	0	20.09	20.27	20.05	21.00	3
		1	2	20.05	20.20	20.21	21.00	3
		1	5	20.19	20.18	20.14	21.00	3
		3	0	20.11	20.23	20.17	21.00	3
		3	2	20.15	20.22	20.25	21.00	3
		3	3	20.03	20.14	20.02	21.00	3
		6	0	19.05	19.28	19.24	20.00	4

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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	24.25	24.22	24.37	25.00	0
		1	25	24.19	24.18	23.92	25.00	0
		1	49	23.95	24.08	24.00	25.00	0
		25	0	23.05	23.01	23.13	24.00	1
		25	12	23.02	23.12	23.10	24.00	1
		25	25	23.11	23.05	23.07	24.00	1
		50	0	23.00	23.17	23.20	24.00	1
10	16-QAM	1	0	23.01	23.11	23.12	24.00	1
		1	25	23.05	23.16	22.98	24.00	1
		1	49	22.90	22.93	23.03	24.00	1
		25	0	21.93	21.95	21.94	23.00	2
		25	12	22.14	22.17	22.25	23.00	2
		25	25	22.04	21.94	21.97	23.00	2
		50	0	22.15	22.10	21.92	23.00	2
10	64-QAM	1	0	21.91	22.00	22.07	23.00	2
		1	25	22.19	21.97	22.12	23.00	2
		1	49	22.09	22.12	22.11	23.00	2
		25	0	21.08	21.17	20.98	22.00	3
		25	12	21.17	20.94	20.91	22.00	3
		25	25	20.92	21.19	21.08	22.00	3
		50	0	21.02	21.03	20.95	22.00	3
10	256-QAM	1	0	21.12	21.03	20.95	22.00	3
		1	25	21.08	20.95	21.00	22.00	3
		1	49	21.16	21.11	20.91	22.00	3
		25	0	20.02	19.98	20.00	21.00	4
		25	12	20.06	20.19	20.12	21.00	4
		25	25	20.15	20.17	20.00	21.00	4
		50	0	20.04	20.11	20.05	21.00	4

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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	23.90	23.99	24.03	25.00	0
		1	12	24.07	24.17	23.94	25.00	0
		1	24	24.06	24.12	24.15	25.00	0
		12	0	23.16	23.15	23.13	24.00	1
		12	6	23.12	22.96	23.10	24.00	1
		12	13	23.02	22.99	22.98	24.00	1
		25	0	23.01	23.02	22.99	24.00	1
5	16-QAM	1	0	23.10	23.04	23.06	24.00	1
		1	12	23.19	22.91	22.95	24.00	1
		1	24	23.11	23.12	22.91	24.00	1
		12	0	22.14	22.18	22.08	23.00	2
		12	6	21.96	22.02	22.12	23.00	2
		12	13	22.16	21.91	22.10	23.00	2
		25	0	22.07	21.97	21.99	23.00	2
5	64-QAM	1	0	22.17	21.98	22.12	23.00	2
		1	12	21.91	22.07	21.97	23.00	2
		1	24	22.14	22.00	21.99	23.00	2
		12	0	21.18	21.14	21.17	22.00	3
		12	6	20.96	21.13	21.11	22.00	3
		12	13	20.98	21.06	20.93	22.00	3
		25	0	21.23	21.26	21.16	22.00	3
5	256-QAM	1	0	21.10	20.99	20.93	22.00	3
		1	12	20.91	21.18	21.11	22.00	3
		1	24	21.13	21.14	21.00	22.00	3
		12	0	20.14	20.12	20.00	21.00	4
		12	6	19.98	20.13	19.95	21.00	4
		12	13	20.13	20.06	20.11	21.00	4
		25	0	20.08	20.09	20.18	21.00	4

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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	24.14	24.08	24.17	25.00	0
		1	7	23.95	23.93	23.99	25.00	0
		1	14	23.91	24.16	24.13	25.00	0
		8	0	23.11	23.19	22.99	24.00	1
		8	4	23.03	23.10	22.91	24.00	1
		8	7	23.12	22.92	23.03	24.00	1
		15	0	23.08	22.99	23.06	24.00	1
3	16-QAM	1	0	23.14	22.94	23.11	24.00	1
		1	7	23.09	23.18	23.17	24.00	1
		1	14	23.04	22.94	22.99	24.00	1
		8	0	22.08	22.05	22.19	23.00	2
		8	4	22.01	21.98	22.01	23.00	2
		8	7	22.15	22.01	22.16	23.00	2
		15	0	22.17	21.98	22.13	23.00	2
3	64-QAM	1	0	22.01	21.95	22.19	23.00	2
		1	7	22.14	22.10	22.11	23.00	2
		1	14	22.09	22.02	21.91	23.00	2
		8	0	21.16	21.07	20.90	22.00	3
		8	4	21.09	20.99	21.04	22.00	3
		8	7	20.92	20.93	21.16	22.00	3
		15	0	21.03	21.17	21.18	22.00	3
3	256-QAM	1	0	21.08	21.03	21.14	22.00	3
		1	7	20.95	21.11	21.24	22.00	3
		1	14	21.04	21.06	21.17	22.00	3
		8	0	20.11	19.94	20.15	21.00	4
		8	4	20.15	20.08	20.19	21.00	4
		8	7	20.09	20.01	20.12	21.00	4
		15	0	20.08	20.12	20.00	21.00	4

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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	23.97	24.18	23.91	25.00	0
		1	2	24.05	24.19	24.15	25.00	0
		1	5	24.00	23.95	24.02	25.00	0
		3	0	23.91	23.95	24.00	25.00	0
		3	2	24.10	24.17	23.92	25.00	0
		3	3	23.93	24.06	24.01	25.00	0
		6	0	23.18	23.20	22.96	24.00	1
1.4	16-QAM	1	0	23.18	22.97	22.95	24.00	1
		1	2	23.01	22.92	23.07	24.00	1
		1	5	23.08	22.92	23.04	24.00	1
		3	0	23.09	23.02	22.96	24.00	1
		3	2	22.97	23.00	23.13	24.00	1
		3	3	23.06	23.17	22.92	24.00	1
		6	0	22.09	22.07	21.90	23.00	2
1.4	64-QAM	1	0	22.07	22.12	22.15	23.00	2
		1	2	21.91	21.93	22.11	23.00	2
		1	5	21.90	22.03	22.05	23.00	2
		3	0	22.17	21.92	22.12	23.00	2
		3	2	21.94	21.96	22.16	23.00	2
		3	3	22.07	22.19	21.97	23.00	2
		6	0	21.01	21.06	21.05	22.00	3
1.4	256-QAM	1	0	20.92	21.01	21.09	22.00	3
		1	2	21.01	20.96	20.97	22.00	3
		1	5	20.98	21.00	21.08	22.00	3
		3	0	21.20	20.94	21.17	22.00	3
		3	2	21.19	21.01	21.20	22.00	3
		3	3	21.06	20.92	20.97	22.00	3
		6	0	20.20	20.02	20.03	21.00	4

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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	23.42	23.50	23.51	24.00	0
		1	50	23.27	23.37	23.32	24.00	0
		1	99	23.31	23.35	23.24	24.00	0
		50	0	22.24	22.16	22.23	23.00	1
		50	25	22.22	22.18	22.29	23.00	1
		50	50	22.19	22.15	22.31	23.00	1
		100	0	22.33	22.14	22.12	23.00	1
20	16-QAM	1	0	22.19	22.20	22.26	23.00	1
		1	50	22.16	22.39	22.24	23.00	1
		1	99	22.16	22.32	22.35	23.00	1
		50	0	21.21	21.19	21.28	22.00	2
		50	25	21.12	21.27	21.13	22.00	2
		50	50	21.31	21.32	21.20	22.00	2
		100	0	21.29	21.15	21.28	22.00	2
20	64-QAM	1	0	21.22	21.21	21.37	22.00	2
		1	50	21.36	21.29	21.16	22.00	2
		1	99	21.19	21.14	21.13	22.00	2
		50	0	20.21	20.13	20.20	21.00	3
		50	25	20.17	20.21	20.26	21.00	3
		50	50	20.13	20.23	20.40	21.00	3
		100	0	20.15	20.30	20.34	21.00	3
20	256-QAM	1	0	20.21	20.11	20.31	21.00	3
		1	50	20.25	20.20	20.39	21.00	3
		1	99	20.12	20.29	20.27	21.00	3
		50	0	19.26	19.11	19.36	20.00	4
		50	25	19.20	19.14	19.17	20.00	4
		50	50	19.36	19.17	19.11	20.00	4
		100	0	19.35	19.31	19.38	20.00	4

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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	23.28	23.18	23.10	24.00	0
		1	36	23.17	23.11	23.16	24.00	0
		1	74	23.40	23.18	23.17	24.00	0
		36	0	22.28	22.12	22.25	23.00	1
		36	18	22.40	22.25	22.11	23.00	1
		36	37	22.32	22.36	22.20	23.00	1
		75	0	22.31	22.24	22.15	23.00	1
15	16-QAM	1	0	22.30	22.39	22.35	23.00	1
		1	36	22.32	22.27	22.26	23.00	1
		1	74	22.37	22.21	22.34	23.00	1
		36	0	21.28	21.11	21.26	22.00	2
		36	18	21.34	21.19	21.38	22.00	2
		36	37	21.33	21.30	21.25	22.00	2
		75	0	21.14	21.20	21.30	22.00	2
15	64-QAM	1	0	21.25	21.23	21.22	22.00	2
		1	36	21.25	21.15	21.29	22.00	2
		1	74	21.24	21.11	21.38	22.00	2
		36	0	20.38	20.28	20.39	21.00	3
		36	18	20.12	20.16	20.16	21.00	3
		36	37	20.39	20.32	20.36	21.00	3
		75	0	20.38	20.84	20.20	21.00	3
15	256-QAM	1	0	20.36	20.23	20.30	21.00	3
		1	36	20.16	20.11	20.26	21.00	3
		1	74	20.17	20.19	20.19	21.00	3
		36	0	19.24	19.34	19.29	20.00	4
		36	18	19.39	19.40	19.22	20.00	4
		36	37	19.30	19.13	19.31	20.00	4
		75	0	19.29	19.33	19.32	20.00	4

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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	23.29	23.14	23.24	24.00	0
		1	25	23.32	23.34	23.15	24.00	0
		1	49	23.21	23.29	23.25	24.00	0
		25	0	22.32	22.38	22.14	23.00	1
		25	12	22.32	22.34	22.29	23.00	1
		25	25	22.36	22.37	22.19	23.00	1
		50	0	22.32	22.18	22.32	23.00	1
10	16-QAM	1	0	22.33	22.17	22.14	23.00	1
		1	25	22.19	22.32	22.26	23.00	1
		1	49	22.25	22.28	22.33	23.00	1
		25	0	21.15	21.33	21.34	22.00	2
		25	12	21.17	21.32	21.36	22.00	2
		25	25	21.33	21.35	21.38	22.00	2
		50	0	21.34	21.31	21.37	22.00	2
10	64-QAM	1	0	21.37	21.11	21.28	22.00	2
		1	25	21.35	21.26	21.12	22.00	2
		1	49	21.30	21.22	21.39	22.00	2
		25	0	20.23	20.32	20.27	21.00	3
		25	12	20.37	20.20	20.11	21.00	3
		25	25	20.17	20.21	20.38	21.00	3
		50	0	20.28	20.29	20.16	21.00	3
10	256-QAM	1	0	20.39	20.15	20.11	21.00	3
		1	25	20.36	20.28	20.20	21.00	3
		1	49	20.16	20.32	20.25	21.00	3
		25	0	19.23	19.21	19.38	20.00	4
		25	12	19.38	19.30	19.14	20.00	4
		25	25	19.27	19.20	19.31	20.00	4
		50	0	19.19	19.34	19.18	20.00	4

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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	23.39	23.17	23.24	24.00	0
		1	12	23.38	23.34	23.31	24.00	0
		1	24	23.24	23.12	23.37	24.00	0
		12	0	22.30	22.13	22.26	23.00	1
		12	6	22.34	22.36	22.14	23.00	1
		12	13	22.19	22.18	22.16	23.00	1
		25	0	22.26	22.22	22.21	23.00	1
5	16-QAM	1	0	22.31	22.24	22.13	23.00	1
		1	12	22.14	22.27	22.22	23.00	1
		1	24	22.38	22.38	22.13	23.00	1
		12	0	21.17	21.22	21.14	22.00	2
		12	6	21.29	21.19	21.36	22.00	2
		12	13	21.18	21.37	21.36	22.00	2
		25	0	21.38	21.26	21.32	22.00	2
5	64-QAM	1	0	21.20	21.35	21.33	22.00	2
		1	12	21.13	21.25	21.37	22.00	2
		1	24	21.30	21.26	21.39	22.00	2
		12	0	20.20	20.18	20.28	21.00	3
		12	6	20.21	20.26	20.34	21.00	3
		12	13	20.38	20.28	20.32	21.00	3
		25	0	20.11	20.20	20.34	21.00	3
5	256-QAM	1	0	20.30	20.28	20.17	21.00	3
		1	12	20.28	20.38	20.33	21.00	3
		1	24	20.34	20.12	20.13	21.00	3
		12	0	19.12	19.19	19.26	20.00	4
		12	6	19.31	19.22	19.24	20.00	4
		12	13	19.17	19.39	19.34	20.00	4
		25	0	19.27	19.41	19.36	20.00	4

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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	23.94	23.97	24.09	25.00	0
		1	25	23.82	23.83	23.62	25.00	0
		1	49	23.66	23.74	23.73	25.00	0
		25	0	22.77	22.81	22.88	24.00	1
		25	12	22.80	22.78	22.84	24.00	1
		25	25	22.65	22.79	22.81	24.00	1
		50	0	22.66	22.78	22.77	24.00	1
10	16-QAM	1	0	22.68	22.79	22.70	24.00	1
		1	25	22.85	22.78	22.82	24.00	1
		1	49	22.76	22.64	22.66	24.00	1
		25	0	21.78	21.90	21.61	23.00	2
		25	12	21.77	21.67	21.83	23.00	2
		25	25	21.71	21.74	21.61	23.00	2
		50	0	21.79	21.76	21.80	23.00	2
10	64-QAM	1	0	21.85	21.81	21.86	23.00	2
		1	25	21.74	21.71	21.83	23.00	2
		1	49	21.78	21.81	21.77	23.00	2
		25	0	20.70	20.72	20.75	22.00	3
		25	12	20.60	20.79	20.84	22.00	3
		25	25	20.83	20.77	20.85	22.00	3
		50	0	20.73	20.78	20.71	22.00	3
10	256-QAM	1	0	20.68	20.89	20.63	22.00	3
		1	25	20.85	20.75	20.73	22.00	3
		1	49	20.82	20.72	20.71	22.00	3
		25	0	19.83	19.87	19.66	21.00	4
		25	12	19.84	19.75	19.90	21.00	4
		25	25	19.76	19.84	19.70	21.00	4
		50	0	19.62	19.66	19.88	21.00	4

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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	23.60	23.72	23.73	25.00	0
		1	12	23.87	23.88	23.67	25.00	0
		1	24	23.85	23.89	23.76	25.00	0
		12	0	22.90	22.65	22.65	24.00	1
		12	6	22.86	22.77	22.61	24.00	1
		12	13	22.75	22.77	22.78	24.00	1
		25	0	22.66	22.87	22.87	24.00	1
5	16-QAM	1	0	22.63	22.80	22.63	24.00	1
		1	12	22.77	22.71	22.74	24.00	1
		1	24	22.78	22.61	22.84	24.00	1
		12	0	21.63	21.68	21.62	23.00	2
		12	6	21.64	21.60	21.65	23.00	2
		12	13	21.83	21.89	21.86	23.00	2
		25	0	21.85	21.68	21.72	23.00	2
5	64-QAM	1	0	21.75	21.72	21.69	23.00	2
		1	12	21.69	21.77	21.80	23.00	2
		1	24	21.80	21.70	21.75	23.00	2
		12	0	20.82	20.72	20.69	22.00	3
		12	6	20.77	20.64	20.89	22.00	3
		12	13	20.73	20.74	20.70	22.00	3
		25	0	20.84	20.83	20.71	22.00	3
5	256-QAM	1	0	20.81	20.66	20.77	22.00	3
		1	12	20.70	20.71	20.80	22.00	3
		1	24	20.89	20.69	20.62	22.00	3
		12	0	19.65	19.81	19.89	21.00	4
		12	6	19.83	19.61	19.89	21.00	4
		12	13	19.84	19.73	19.75	21.00	4
		25	0	19.72	19.90	19.77	21.00	4

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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	23.82	23.84	23.61	25.00	0
		1	7	23.87	23.73	23.78	25.00	0
		1	14	23.86	23.81	23.77	25.00	0
		8	0	22.90	22.94	22.80	24.00	1
		8	4	22.73	22.68	22.63	24.00	1
		8	7	22.86	22.76	22.83	24.00	1
		15	0	22.67	22.74	22.79	24.00	1
3	16-QAM	1	0	22.57	22.88	22.81	24.00	1
		1	7	22.73	22.64	22.84	24.00	1
		1	14	22.70	22.78	22.78	24.00	1
		8	0	21.80	21.63	21.76	23.00	2
		8	4	21.62	21.66	21.89	23.00	2
		8	7	21.89	21.84	21.72	23.00	2
		15	0	21.71	21.88	21.78	23.00	2
3	64-QAM	1	0	21.87	21.61	21.65	23.00	2
		1	7	21.83	21.85	21.66	23.00	2
		1	14	21.62	21.67	21.57	23.00	2
		8	0	20.67	20.71	20.79	22.00	3
		8	4	20.68	20.90	20.73	22.00	3
		8	7	20.62	20.66	20.87	22.00	3
		15	0	20.69	20.86	20.64	22.00	3
3	256-QAM	1	0	20.75	20.80	20.69	22.00	3
		1	7	20.85	20.86	20.87	22.00	3
		1	14	20.88	20.75	20.64	22.00	3
		8	0	19.62	19.76	19.89	21.00	4
		8	4	19.76	19.69	19.87	21.00	4
		8	7	19.74	19.66	19.67	21.00	4
		15	0	19.79	19.89	19.72	21.00	4

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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	23.78	23.86	23.76	25.00	0
		1	2	23.80	23.60	23.65	25.00	0
		1	5	23.68	23.67	23.88	25.00	0
		3	0	23.78	23.62	23.81	25.00	0
		3	2	23.74	23.76	23.61	25.00	0
		3	3	23.61	23.74	23.87	25.00	0
		6	0	22.61	22.79	22.70	24.00	1
1.4	16-QAM	1	0	22.87	22.70	22.72	24.00	1
		1	2	22.82	22.84	22.64	24.00	1
		1	5	22.69	22.64	22.65	24.00	1
		3	0	22.83	22.77	22.75	24.00	1
		3	2	22.90	22.87	22.63	24.00	1
		3	3	22.66	22.80	22.89	24.00	1
		6	0	21.64	21.86	21.67	23.00	2
1.4	64-QAM	1	0	21.76	21.89	21.61	23.00	2
		1	2	21.78	21.88	21.82	23.00	2
		1	5	21.81	21.87	21.77	23.00	2
		3	0	21.73	21.85	21.64	23.00	2
		3	2	21.66	21.82	21.88	23.00	2
		3	3	21.78	21.63	21.65	23.00	2
		6	0	20.65	20.84	20.67	22.00	3
1.4	256-QAM	1	0	20.64	20.74	20.80	22.00	3
		1	2	20.90	20.75	20.70	22.00	3
		1	5	20.78	20.65	20.68	22.00	3
		3	0	20.81	20.67	20.66	22.00	3
		3	2	20.74	20.61	20.79	22.00	3
		3	3	20.78	20.77	20.61	22.00	3
		6	0	19.65	19.70	19.89	21.00	4

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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	24.34	25.00	0
		1	25	24.15	25.00	0
		1	49	24.30	25.00	0
		25	0	23.20	24.00	1
		25	12	23.30	24.00	1
		25	25	23.27	24.00	1
		50	0	23.01	24.00	1
10	16-QAM	1	0	23.14	24.00	1
		1	25	23.20	24.00	1
		1	49	23.23	24.00	1
		25	0	22.05	23.00	2
		25	12	22.28	23.00	2
		25	25	22.14	23.00	2
		50	0	22.16	23.00	2
10	64-QAM	1	0	22.24	23.00	2
		1	25	22.21	23.00	2
		1	49	22.06	23.00	2
		25	0	21.07	22.00	3
		25	12	21.18	22.00	3
		25	25	21.13	22.00	3
		50	0	21.06	22.00	3
10	256-QAM	1	0	21.23	22.00	3
		1	25	21.14	22.00	3
		1	49	21.27	22.00	3
		25	0	20.23	21.00	4
		25	12	20.03	21.00	4
		25	25	20.20	21.00	4
		50	0	20.26	21.00	4

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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	24.19	24.25	24.09	25.00	0
		1	12	24.10	24.23	24.23	25.00	0
		1	24	24.27	24.01	24.13	25.00	0
		12	0	23.08	23.16	23.03	24.00	1
		12	6	23.30	23.12	23.29	24.00	1
		12	13	23.11	23.04	23.20	24.00	1
		25	0	23.23	23.22	23.05	24.00	1
5	16-QAM	1	0	23.03	23.29	23.02	24.00	1
		1	12	23.20	23.05	23.07	24.00	1
		1	24	23.13	23.22	23.09	24.00	1
		12	0	22.29	22.20	22.15	23.00	2
		12	6	22.21	22.28	22.23	23.00	2
		12	13	22.16	22.24	22.06	23.00	2
		25	0	22.08	22.29	22.21	23.00	2
5	64-QAM	1	0	22.06	22.04	22.00	23.00	2
		1	12	22.26	22.17	22.25	23.00	2
		1	24	22.01	22.24	22.14	23.00	2
		12	0	21.12	21.16	21.02	22.00	3
		12	6	21.30	21.03	21.11	22.00	3
		12	13	21.24	21.01	21.17	22.00	3
		25	0	21.25	21.25	21.19	22.00	3
5	256-QAM	1	0	21.11	21.29	21.22	22.00	3
		1	12	21.02	21.08	21.05	22.00	3
		1	24	21.16	21.24	21.15	22.00	3
		12	0	20.28	20.07	20.27	21.00	4
		12	6	20.10	20.21	20.25	21.00	4
		12	13	20.13	20.16	20.05	21.00	4
		25	0	20.28	20.21	20.18	21.00	4

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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	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				23330		
10	QPSK	1	0	24.26	25.00	0
		1	25	23.81	25.00	0
		1	49	23.98	25.00	0
		25	0	22.91	24.00	1
		25	12	22.96	24.00	1
		25	25	22.93	24.00	1
		50	0	22.86	24.00	1
10	16-QAM	1	0	22.81	24.00	1
		1	25	22.75	24.00	1
		1	49	22.73	24.00	1
		25	0	21.94	23.00	2
		25	12	21.86	23.00	2
		25	25	21.99	23.00	2
		50	0	21.71	23.00	2
10	64-QAM	1	0	21.74	23.00	2
		1	25	21.79	23.00	2
		1	49	21.78	23.00	2
		25	0	20.91	22.00	3
		25	12	20.84	22.00	3
		25	25	20.97	22.00	3
		50	0	20.83	22.00	3
10	256-QAM	1	0	20.98	22.00	3
		1	25	20.89	22.00	3
		1	49	20.76	22.00	3
		25	0	19.74	21.00	4
		25	12	19.96	21.00	4
		25	25	19.82	21.00	4
		50	0	19.97	21.00	4

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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	23.93	23.99	23.91	25.00	0
		1	12	23.89	23.85	23.71	25.00	0
		1	24	23.92	23.82	23.75	25.00	0
		12	0	22.77	22.78	22.81	24.00	1
		12	6	22.97	22.94	22.90	24.00	1
		12	13	22.93	22.88	22.71	24.00	1
		25	0	22.71	22.85	22.93	24.00	1
5	16-QAM	1	0	22.75	22.96	22.93	24.00	1
		1	12	22.81	22.82	22.88	24.00	1
		1	24	22.87	22.92	22.92	24.00	1
		12	0	21.93	21.85	21.79	23.00	2
		12	6	21.87	21.76	21.92	23.00	2
		12	13	21.74	21.75	21.78	23.00	2
		25	0	21.76	21.78	21.85	23.00	2
5	64-QAM	1	0	21.71	21.86	21.74	23.00	2
		1	12	21.98	21.95	21.82	23.00	2
		1	24	21.78	21.85	21.92	23.00	2
		12	0	20.82	20.74	20.82	22.00	3
		12	6	20.80	20.86	20.74	22.00	3
		12	13	20.99	20.94	20.81	22.00	3
		25	0	20.85	20.88	20.93	22.00	3
5	256-QAM	1	0	20.84	20.96	20.73	22.00	3
		1	12	20.74	20.77	20.95	22.00	3
		1	24	20.86	20.93	20.84	22.00	3
		12	0	19.89	19.72	19.82	21.00	4
		12	6	19.83	19.90	19.96	21.00	4
		12	13	19.98	19.73	19.82	21.00	4
		25	0	19.99	19.76	19.75	21.00	4

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LTE Band 17								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				709	710	711		
Channel				23780	23790	23800		
10	QPSK	1	0	23.95	23.91	23.94	25.00	0
		1	25	23.75	23.89	23.86	25.00	0
		1	49	23.71	23.85	23.66	25.00	0
		25	0	22.61	22.89	22.88	24.00	1
		25	12	22.77	22.60	22.79	24.00	1
		25	25	22.66	22.61	22.72	24.00	1
		50	0	22.74	22.69	22.70	24.00	1
10	16-QAM	1	0	22.84	22.71	22.72	24.00	1
		1	25	22.89	22.84	22.83	24.00	1
		1	49	22.86	22.89	22.87	24.00	1
		25	0	21.88	21.65	21.80	23.00	2
		25	12	21.69	21.60	21.87	23.00	2
		25	25	21.75	21.66	21.71	23.00	2
		50	0	21.81	21.84	21.64	23.00	2
10	64-QAM	1	0	21.62	21.86	21.68	23.00	2
		1	25	21.87	21.83	21.90	23.00	2
		1	49	21.77	21.72	21.71	23.00	2
		25	0	20.86	20.70	20.82	22.00	3
		25	12	20.76	20.73	20.73	22.00	3
		25	25	20.67	20.84	20.68	22.00	3
		50	0	20.75	20.87	20.61	22.00	3
10	256-QAM	1	0	20.84	20.71	20.66	22.00	3
		1	25	20.61	20.87	20.60	22.00	3
		1	49	20.66	20.66	20.69	22.00	3
		25	0	19.67	19.85	19.81	21.00	4
		25	12	19.80	19.82	19.89	21.00	4
		25	25	19.74	19.70	19.73	21.00	4
		50	0	19.72	19.77	19.71	21.00	4

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LTE Band 17								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				706.5	710	713.5		
Channel				23755	23790	23825		
5	QPSK	1	0	23.76	23.77	23.67	25.00	0
		1	12	23.74	23.75	23.71	25.00	0
		1	24	23.61	23.82	23.64	25.00	0
		12	0	22.65	22.71	22.63	24.00	1
		12	6	22.88	22.84	22.72	24.00	1
		12	13	22.69	22.74	22.70	24.00	1
		25	0	22.76	22.66	22.62	24.00	1
5	16-QAM	1	0	22.82	22.63	22.77	24.00	1
		1	12	22.85	22.74	22.85	24.00	1
		1	24	22.65	22.71	22.79	24.00	1
		12	0	21.68	21.90	21.67	23.00	2
		12	6	21.88	21.69	21.83	23.00	2
		12	13	21.58	21.63	21.61	23.00	2
		25	0	21.71	21.77	21.82	23.00	2
5	64-QAM	1	0	21.69	21.88	21.74	23.00	2
		1	12	21.75	21.64	21.78	23.00	2
		1	24	21.68	21.70	21.79	23.00	2
		12	0	20.89	20.90	20.62	22.00	3
		12	6	20.83	20.74	20.69	22.00	3
		12	13	20.68	20.72	20.71	22.00	3
		25	0	20.84	20.55	20.64	22.00	3
5	256-QAM	1	0	20.85	20.65	20.63	22.00	3
		1	12	20.61	20.71	20.61	22.00	3
		1	24	20.86	20.73	20.90	22.00	3
		12	0	19.75	19.65	19.80	21.00	4
		12	6	19.79	19.74	19.79	21.00	4
		12	13	19.60	19.87	19.88	21.00	4
		25	0	19.62	19.82	19.70	21.00	4

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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	23.53	23.52	23.37	24.00	0
		1	50	23.20	23.08	23.21	24.00	0
		1	99	23.23	23.26	23.26	24.00	0
		50	0	22.12	22.23	22.13	23.00	1
		50	25	22.23	22.17	22.29	23.00	1
		50	50	22.25	22.28	22.16	23.00	1
		100	0	22.09	22.16	22.00	23.00	1
20	16-QAM	1	0	22.02	22.27	22.15	23.00	1
		1	50	22.23	22.16	22.00	23.00	1
		1	99	22.17	22.06	22.14	23.00	1
		50	0	21.28	21.06	21.18	22.00	2
		50	25	21.11	21.00	21.07	22.00	2
		50	50	21.10	21.26	21.06	22.00	2
		100	0	21.02	21.24	21.01	22.00	2
20	64-QAM	1	0	21.17	21.14	21.18	22.00	2
		1	50	21.25	21.24	21.12	22.00	2
		1	99	21.11	21.27	21.02	22.00	2
		50	0	20.16	20.23	20.14	21.00	3
		50	25	20.23	20.18	20.26	21.00	3
		50	50	20.21	20.04	20.15	21.00	3
		100	0	20.16	20.01	20.13	21.00	3
20	256-QAM	1	0	20.29	20.15	20.01	21.00	3
		1	50	20.24	20.10	20.02	21.00	3
		1	99	20.11	20.17	20.04	21.00	3
		50	0	19.28	19.05	19.04	20.00	4
		50	25	19.27	19.03	19.12	20.00	4
		50	50	19.15	19.04	19.30	20.00	4
		100	0	19.02	19.10	19.25	20.00	4

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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	23.23	23.24	23.20	24.00	0
		1	36	23.11	23.15	23.08	24.00	0
		1	74	23.27	23.18	23.25	24.00	0
		36	0	22.16	22.21	22.05	23.00	1
		36	18	22.28	22.22	22.20	23.00	1
		36	37	22.20	22.07	22.23	23.00	1
		75	0	22.04	22.03	22.26	23.00	1
15	16-QAM	1	0	22.27	22.07	22.26	23.00	1
		1	36	22.16	22.24	22.18	23.00	1
		1	74	22.24	22.09	22.15	23.00	1
		36	0	21.05	21.22	21.17	22.00	2
		36	18	21.14	21.20	21.18	22.00	2
		36	37	21.22	21.11	21.13	22.00	2
		75	0	21.18	21.29	21.04	22.00	2
15	64-QAM	1	0	21.15	21.07	21.20	22.00	2
		1	36	21.19	21.24	21.05	22.00	2
		1	74	21.16	21.29	21.21	22.00	2
		36	0	20.01	20.26	20.14	21.00	3
		36	18	20.02	20.10	20.08	21.00	3
		36	37	20.06	20.02	20.05	21.00	3
		75	0	20.29	20.01	20.28	21.00	3
15	256-QAM	1	0	20.10	20.27	20.15	21.00	3
		1	36	20.01	20.13	20.29	21.00	3
		1	74	20.07	20.26	20.22	21.00	3
		36	0	19.26	19.16	19.25	20.00	4
		36	18	19.18	19.11	19.27	20.00	4
		36	37	19.22	19.05	19.02	20.00	4
		75	0	19.16	19.13	19.12	20.00	4

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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	23.12	23.01	23.11	24.00	0
		1	25	23.13	23.09	23.17	24.00	0
		1	49	23.00	23.18	23.28	24.00	0
		25	0	22.09	22.19	22.08	23.00	1
		25	12	22.04	22.03	22.11	23.00	1
		25	25	22.25	22.06	22.15	23.00	1
		50	0	22.23	22.01	22.00	23.00	1
10	16-QAM	1	0	22.17	22.06	22.22	23.00	1
		1	25	22.22	22.02	22.12	23.00	1
		1	49	22.24	22.16	22.06	23.00	1
		25	0	21.23	21.02	21.15	22.00	2
		25	12	21.22	21.15	21.09	22.00	2
		25	25	21.10	21.22	21.13	22.00	2
		50	0	21.26	21.07	21.19	22.00	2
10	64-QAM	1	0	21.22	21.19	21.15	22.00	2
		1	25	21.14	21.13	21.19	22.00	2
		1	49	21.17	21.03	21.29	22.00	2
		25	0	20.07	20.21	20.11	21.00	3
		25	12	20.27	20.35	20.13	21.00	3
		25	25	20.01	20.16	20.26	21.00	3
		50	0	20.03	20.02	20.29	21.00	3
10	256-QAM	1	0	20.06	20.13	20.00	21.00	3
		1	25	20.13	20.15	20.01	21.00	3
		1	49	20.28	20.09	20.14	21.00	3
		25	0	19.01	19.11	19.16	20.00	4
		25	12	19.12	19.09	19.18	20.00	4
		25	25	19.26	19.20	19.20	20.00	4
		50	0	19.23	19.00	19.06	20.00	4

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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	23.19	23.04	23.13	24.00	0
		1	12	23.24	23.17	23.10	24.00	0
		1	24	23.14	23.26	23.23	24.00	0
		12	0	22.16	22.07	22.11	23.00	1
		12	6	22.19	22.16	22.12	23.00	1
		12	13	22.14	22.02	22.07	23.00	1
		25	0	22.23	22.03	22.13	23.00	1
5	16-QAM	1	0	22.09	22.22	22.19	23.00	1
		1	12	22.26	22.27	22.06	23.00	1
		1	24	22.17	22.04	22.19	23.00	1
		12	0	21.13	21.01	21.03	22.00	2
		12	6	21.30	21.03	21.01	22.00	2
		12	13	21.22	21.02	21.14	22.00	2
		25	0	21.29	21.14	21.10	22.00	2
5	64-QAM	1	0	21.25	21.22	21.24	22.00	2
		1	12	21.19	21.20	21.21	22.00	2
		1	24	21.23	21.21	21.16	22.00	2
		12	0	20.16	20.03	20.26	21.00	3
		12	6	20.25	20.30	20.22	21.00	3
		12	13	20.02	20.03	20.13	21.00	3
		25	0	20.07	20.25	20.01	21.00	3
5	256-QAM	1	0	20.01	20.08	20.09	21.00	3
		1	12	20.18	20.27	20.07	21.00	3
		1	24	20.22	20.06	20.00	21.00	3
		12	0	19.08	19.24	19.29	20.00	4
		12	6	19.05	19.02	19.25	20.00	4
		12	13	19.01	19.20	19.09	20.00	4
		25	0	19.04	19.19	19.18	20.00	4

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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	23.05	23.23	23.06	24.00	0
		1	7	23.11	23.14	23.24	24.00	0
		1	14	23.17	23.15	23.00	24.00	0
		8	0	22.06	22.27	22.26	23.00	1
		8	4	22.02	22.24	22.12	23.00	1
		8	7	22.03	22.04	22.28	23.00	1
		15	0	22.17	22.07	22.19	23.00	1
3	16-QAM	1	0	22.16	22.14	22.24	23.00	1
		1	7	22.27	22.18	22.28	23.00	1
		1	14	22.06	22.09	22.10	23.00	1
		8	0	21.26	21.29	21.20	22.00	2
		8	4	21.11	21.17	21.14	22.00	2
		8	7	21.01	21.05	21.06	22.00	2
		15	0	21.10	21.15	21.19	22.00	2
3	64-QAM	1	0	21.09	21.25	21.16	22.00	2
		1	7	21.18	21.14	21.09	22.00	2
		1	14	21.11	21.19	21.14	22.00	2
		8	0	20.06	20.02	20.12	21.00	3
		8	4	20.07	20.01	20.27	21.00	3
		8	7	20.03	20.20	20.17	21.00	3
		15	0	20.06	20.21	20.12	21.00	3
3	256-QAM	1	0	20.23	20.20	20.06	21.00	3
		1	7	20.08	20.06	20.28	21.00	3
		1	14	20.01	20.09	20.15	21.00	3
		8	0	19.12	19.02	19.28	20.00	4
		8	4	19.10	19.27	19.29	20.00	4
		8	7	19.19	19.09	19.22	20.00	4
		15	0	19.13	19.23	19.06	20.00	4

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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	23.18	23.08	23.11	24.00	0
		1	2	23.17	23.22	23.03	24.00	0
		1	5	23.25	23.29	23.35	24.00	0
		3	0	23.13	23.26	23.23	24.00	0
		3	2	23.26	23.07	23.05	24.00	0
		3	3	23.24	23.04	23.30	24.00	0
		6	0	22.24	22.22	22.23	23.00	1
1.4	16-QAM	1	0	22.27	22.07	22.08	23.00	1
		1	2	22.29	22.06	22.18	23.00	1
		1	5	22.05	22.01	22.19	23.00	1
		3	0	22.23	22.16	22.07	23.00	1
		3	2	22.05	22.14	22.13	23.00	1
		3	3	22.10	22.29	22.18	23.00	1
		6	0	21.01	21.03	21.24	22.00	2
1.4	64-QAM	1	0	21.22	21.17	21.05	22.00	2
		1	2	21.16	21.04	21.24	22.00	2
		1	5	21.07	21.22	21.23	22.00	2
		3	0	21.29	21.24	21.11	22.00	2
		3	2	21.04	21.22	21.22	22.00	2
		3	3	21.24	21.18	21.25	22.00	2
		6	0	20.11	20.09	20.06	21.00	3
1.4	256-QAM	1	0	20.29	20.03	20.23	21.00	3
		1	2	20.16	20.16	20.05	21.00	3
		1	5	20.01	20.21	20.18	21.00	3
		3	0	20.02	20.19	20.24	21.00	3
		3	2	20.29	20.15	20.01	21.00	3
		3	3	20.26	20.08	20.25	21.00	3
		6	0	19.08	19.05	19.27	20.00	4

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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	24.36	24.29	24.19	25.00	0
		1	36	23.85	23.96	24.03	25.00	0
		1	74	24.09	24.03	24.05	25.00	0
		36	0	22.91	22.95	23.09	24.00	1
		36	18	23.10	22.89	23.03	24.00	1
		36	37	23.03	23.06	22.92	24.00	1
		75	0	23.02	22.89	22.85	24.00	1
15	16-QAM	1	0	22.93	23.07	22.85	24.00	1
		1	36	23.10	22.83	22.88	24.00	1
		1	74	22.81	23.01	22.92	24.00	1
		36	0	21.93	22.05	21.83	23.00	2
		36	18	21.92	21.93	22.03	23.00	2
		36	37	22.05	22.01	22.09	23.00	2
		75	0	22.11	21.83	22.08	23.00	2
15	64-QAM	1	0	21.82	22.08	21.97	23.00	2
		1	36	21.86	21.90	22.18	23.00	2
		1	74	21.98	22.04	21.95	23.00	2
		36	0	20.82	20.96	21.02	22.00	3
		36	18	20.92	20.84	20.91	22.00	3
		36	37	20.99	20.84	21.03	22.00	3
		75	0	21.05	20.97	21.02	22.00	3
15	256-QAM	1	0	21.02	20.85	20.85	22.00	3
		1	36	20.97	21.09	21.04	22.00	3
		1	74	21.09	20.80	20.83	22.00	3
		36	0	20.00	19.87	19.88	21.00	4
		36	18	19.86	19.88	19.83	21.00	4
		36	37	19.85	19.90	19.92	21.00	4
		75	0	20.02	19.94	19.89	21.00	4

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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	23.91	23.82	23.99	25.00	0
		1	25	24.06	23.81	24.06	25.00	0
		1	49	24.05	24.08	24.00	25.00	0
		25	0	23.01	23.08	23.01	24.00	1
		25	12	22.98	22.90	22.99	24.00	1
		25	25	23.08	23.07	22.94	24.00	1
		50	0	22.96	23.00	23.08	24.00	1
10	16-QAM	1	0	23.02	22.83	22.87	24.00	1
		1	25	23.05	23.04	22.85	24.00	1
		1	49	22.83	22.80	23.08	24.00	1
		25	0	22.03	22.06	22.11	23.00	2
		25	12	22.04	22.03	21.85	23.00	2
		25	25	21.81	21.83	22.08	23.00	2
		50	0	21.94	22.06	21.88	23.00	2
10	64-QAM	1	0	22.01	21.84	22.13	23.00	2
		1	25	21.88	22.04	22.07	23.00	2
		1	49	21.88	22.05	21.88	23.00	2
		25	0	20.87	20.80	20.86	22.00	3
		25	12	20.84	21.05	20.81	22.00	3
		25	25	20.85	21.06	21.08	22.00	3
		50	0	20.84	21.00	20.82	22.00	3
10	256-QAM	1	0	20.92	21.05	21.01	22.00	3
		1	25	21.05	21.09	21.07	22.00	3
		1	49	21.08	21.03	21.10	22.00	3
		25	0	20.01	19.89	19.83	21.00	4
		25	12	19.95	20.05	19.87	21.00	4
		25	25	20.05	19.92	20.02	21.00	4
		50	0	19.96	19.89	20.06	21.00	4

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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	23.98	24.01	23.97	25.00	0
		1	12	23.97	23.83	24.01	25.00	0
		1	24	23.92	23.84	24.02	25.00	0
		12	0	22.80	23.09	23.06	24.00	1
		12	6	23.05	22.85	22.87	24.00	1
		12	13	23.06	22.95	22.97	24.00	1
		25	0	22.82	23.09	22.92	24.00	1
5	16-QAM	1	0	22.90	22.88	22.82	24.00	1
		1	12	23.00	23.09	22.91	24.00	1
		1	24	22.92	22.93	22.94	24.00	1
		12	0	21.86	22.09	21.85	23.00	2
		12	6	21.90	21.97	21.82	23.00	2
		12	13	21.84	21.90	21.93	23.00	2
		25	0	21.88	21.81	21.99	23.00	2
5	64-QAM	1	0	22.07	21.90	22.06	23.00	2
		1	12	22.10	21.83	21.91	23.00	2
		1	24	22.05	22.00	21.88	23.00	2
		12	0	20.91	20.93	20.82	22.00	3
		12	6	20.88	20.83	20.95	22.00	3
		12	13	20.95	20.80	21.07	22.00	3
		25	0	21.08	20.89	20.87	22.00	3
5	256-QAM	1	0	21.05	20.84	20.81	22.00	3
		1	12	21.04	20.98	21.01	22.00	3
		1	24	21.06	20.93	20.95	22.00	3
		12	0	20.05	19.96	20.08	21.00	4
		12	6	19.99	19.87	19.90	21.00	4
		12	13	19.86	20.03	20.06	21.00	4
		25	0	19.85	19.90	20.10	21.00	4

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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	23.97	23.89	24.07	25.00	0
		1	7	23.94	23.82	23.95	25.00	0
		1	14	23.96	24.02	24.00	25.00	0
		8	0	22.85	23.05	22.93	24.00	1
		8	4	22.99	22.91	22.88	24.00	1
		8	7	23.09	23.03	22.82	24.00	1
		15	0	23.04	22.86	22.86	24.00	1
3	16-QAM	1	0	22.94	22.92	22.83	24.00	1
		1	7	22.90	22.82	22.96	24.00	1
		1	14	23.04	23.08	22.87	24.00	1
		8	0	22.01	21.96	21.90	23.00	2
		8	4	21.86	21.93	21.81	23.00	2
		8	7	22.01	22.00	22.02	23.00	2
		15	0	21.90	22.03	21.98	23.00	2
3	64-QAM	1	0	22.09	21.96	22.08	23.00	2
		1	7	21.97	22.01	21.84	23.00	2
		1	14	22.10	21.89	21.82	23.00	2
		8	0	21.01	20.96	20.83	22.00	3
		8	4	21.08	20.88	20.86	22.00	3
		8	7	20.98	21.03	20.93	22.00	3
		15	0	21.07	20.89	21.09	22.00	3
3	256-QAM	1	0	20.99	20.88	20.82	22.00	3
		1	7	21.04	20.96	20.86	22.00	3
		1	14	21.03	21.08	20.95	22.00	3
		8	0	19.86	20.09	19.88	21.00	4
		8	4	20.09	19.84	20.07	21.00	4
		8	7	19.89	19.94	20.03	21.00	4
		15	0	20.08	20.05	19.93	21.00	4

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LTE Band 26_FCC								
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Frequency (MHz)				814.7	831.5	848.3		
Channel				26697	26865	27033		
1.4	QPSK	1	0	24.06	24.05	23.98	25.00	0
		1	2	24.02	23.93	23.83	25.00	0
		1	5	23.91	24.05	24.08	25.00	0
		3	0	24.05	23.84	23.92	25.00	0
		3	2	23.83	23.85	24.07	25.00	0
		3	3	23.81	23.89	23.84	25.00	0
		6	0	22.84	22.97	22.98	24.00	1
1.4	16-QAM	1	0	22.89	22.86	22.95	24.00	1
		1	2	23.04	22.84	23.00	24.00	1
		1	5	22.94	23.05	22.98	24.00	1
		3	0	22.81	22.97	22.97	24.00	1
		3	2	23.03	22.93	22.89	24.00	1
		3	3	23.02	23.10	22.86	24.00	1
		6	0	22.09	21.88	21.92	23.00	2
1.4	64-QAM	1	0	21.80	21.90	22.04	23.00	2
		1	2	21.95	21.82	21.80	23.00	2
		1	5	22.01	21.83	21.87	23.00	2
		3	0	22.01	22.05	21.85	23.00	2
		3	2	21.83	22.03	21.87	23.00	2
		3	3	22.10	21.87	21.94	23.00	2
		6	0	21.10	21.07	21.04	22.00	3
1.4	256-QAM	1	0	21.08	21.00	21.06	22.00	3
		1	2	21.07	20.84	20.85	22.00	3
		1	5	20.81	21.06	21.08	22.00	3
		3	0	20.82	21.04	20.87	22.00	3
		3	2	20.90	20.82	21.00	22.00	3
		3	3	20.86	21.10	20.94	22.00	3
		6	0	19.96	19.97	19.88	21.00	4

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LTE Band 30						
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2310		
Channel				27710		
10	QPSK	1	0	22.39	23.00	0
		1	25	22.15	23.00	0
		1	49	22.27	23.00	0
		25	0	21.06	22.00	1
		25	12	21.15	22.00	1
		25	25	21.10	22.00	1
		50	0	21.03	22.00	1
10	16-QAM	1	0	21.22	22.00	1
		1	25	21.16	22.00	1
		1	49	21.27	22.00	1
		25	0	20.18	21.00	2
		25	12	20.02	21.00	2
		25	25	20.12	21.00	2
		50	0	20.10	21.00	2
10	64-QAM	1	0	20.12	21.00	2
		1	25	20.18	21.00	2
		1	49	20.13	21.00	2
		25	0	19.14	20.00	3
		25	12	19.28	20.00	3
		25	25	19.27	20.00	3
		50	0	19.01	20.00	3
10	256-QAM	1	0	19.22	20.00	3
		1	25	19.15	20.00	3
		1	49	19.03	20.00	3
		25	0	18.01	19.00	4
		25	12	18.13	19.00	4
		25	25	18.05	19.00	4
		50	0	18.28	19.00	4

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LTE Band 30								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2307.5	2310	2312.5		
Channel				27685	27710	27735		
5	QPSK	1	0	22.23	22.04	22.22	23.00	0
		1	12	22.27	22.00	22.07	23.00	0
		1	24	22.20	22.19	22.11	23.00	0
		12	0	21.28	21.27	21.02	22.00	1
		12	6	21.27	21.15	21.25	22.00	1
		12	13	21.19	21.17	21.20	22.00	1
		25	0	21.13	21.29	21.08	22.00	1
5	16-QAM	1	0	21.12	21.02	21.23	22.00	1
		1	12	21.14	21.01	21.15	22.00	1
		1	24	21.12	21.24	21.02	22.00	1
		12	0	20.24	20.22	20.01	21.00	2
		12	6	20.14	20.05	20.24	21.00	2
		12	13	20.06	20.04	20.07	21.00	2
		25	0	20.07	20.02	20.23	21.00	2
5	64-QAM	1	0	20.04	20.04	20.24	21.00	2
		1	12	20.14	20.13	20.10	21.00	2
		1	24	20.25	20.11	20.33	21.00	2
		12	0	19.19	19.30	19.28	20.00	3
		12	6	19.12	19.03	19.14	20.00	3
		12	13	19.13	19.08	19.17	20.00	3
		25	0	19.02	19.05	19.22	20.00	3
5	256-QAM	1	0	19.19	19.05	19.04	20.00	3
		1	12	19.11	19.22	19.18	20.00	3
		1	24	19.17	19.21	19.07	20.00	3
		12	0	18.15	18.28	18.00	19.00	4
		12	6	18.22	18.30	18.02	19.00	4
		12	13	18.06	18.14	18.26	19.00	4
		25	0	18.15	18.12	18.18	19.00	4

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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	22.90	23.02	22.85	24.00	0
		1	50	22.73	22.74	22.75	24.00	0
		1	99	22.53	22.67	22.62	24.00	0
		50	0	21.71	21.76	21.56	23.00	1
		50	25	21.77	21.68	21.50	23.00	1
		50	50	21.69	21.59	21.79	23.00	1
		100	0	21.51	21.65	21.74	23.00	1
20	16-QAM	1	0	21.74	21.66	21.51	23.00	1
		1	50	21.76	21.69	21.71	23.00	1
		1	99	21.77	21.72	21.63	23.00	1
		50	0	20.56	20.71	20.56	22.00	2
		50	25	20.67	20.75	20.52	22.00	2
		50	50	20.54	20.73	20.59	22.00	2
		100	0	20.53	20.57	20.76	22.00	2
20	64-QAM	1	0	20.74	20.66	20.64	22.00	2
		1	50	20.59	20.66	20.79	22.00	2
		1	99	20.52	20.76	20.55	22.00	2
		50	0	19.78	19.56	19.78	21.00	3
		50	25	19.51	19.55	19.73	21.00	3
		50	50	19.61	19.69	19.62	21.00	3
		100	0	19.76	19.58	19.70	21.00	3
20	256-QAM	1	0	19.77	19.71	19.73	21.00	3
		1	50	19.53	19.69	19.72	21.00	3
		1	99	19.55	19.51	19.57	21.00	3
		50	0	18.66	18.73	18.54	20.00	4
		50	25	18.79	18.50	18.57	20.00	4
		50	50	18.70	18.58	18.73	20.00	4
		100	0	18.80	18.62	18.56	20.00	4

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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	22.51	22.69	22.57	24.00	0
		1	36	22.72	22.73	22.70	24.00	0
		1	74	22.58	22.50	22.56	24.00	0
		36	0	21.75	21.53	21.78	23.00	1
		36	18	21.61	21.59	21.65	23.00	1
		36	37	21.76	21.62	21.52	23.00	1
		75	0	21.69	21.73	21.61	23.00	1
15	16-QAM	1	0	21.66	21.53	21.71	23.00	1
		1	36	21.62	21.58	21.54	23.00	1
		1	74	21.51	21.70	21.62	23.00	1
		36	0	20.51	20.57	20.68	22.00	2
		36	18	20.61	20.59	20.54	22.00	2
		36	37	20.51	20.53	20.52	22.00	2
		75	0	20.67	20.62	20.75	22.00	2
15	64-QAM	1	0	20.57	20.60	20.76	22.00	2
		1	36	20.59	20.77	20.78	22.00	2
		1	74	20.60	20.62	20.68	22.00	2
		36	0	19.51	19.60	19.53	21.00	3
		36	18	19.70	19.50	19.56	21.00	3
		36	37	19.65	19.75	19.58	21.00	3
		75	0	19.56	19.67	19.55	21.00	3
15	256-QAM	1	0	19.52	19.63	19.72	21.00	3
		1	36	19.80	19.51	19.76	21.00	3
		1	74	19.50	19.74	19.77	21.00	3
		36	0	18.52	18.64	18.71	20.00	4
		36	18	18.60	18.69	18.48	20.00	4
		36	37	18.78	18.65	18.56	20.00	4
		75	0	18.69	18.75	18.75	20.00	4

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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	22.73	22.69	22.61	24.00	0
		1	25	22.58	22.64	22.78	24.00	0
		1	49	22.76	22.61	22.66	24.00	0
		25	0	21.56	21.53	21.74	23.00	1
		25	12	21.75	21.65	21.57	23.00	1
		25	25	21.72	21.76	21.59	23.00	1
		50	0	21.45	21.54	21.68	23.00	1
10	16-QAM	1	0	21.55	21.53	21.54	23.00	1
		1	25	21.74	21.77	21.65	23.00	1
		1	49	21.80	21.61	21.72	23.00	1
		25	0	20.74	20.66	20.65	22.00	2
		25	12	20.76	20.75	20.71	22.00	2
		25	25	20.56	20.52	20.65	22.00	2
		50	0	20.84	20.65	20.74	22.00	2
10	64-QAM	1	0	20.66	20.52	20.69	22.00	2
		1	25	20.56	20.65	20.80	22.00	2
		1	49	20.61	20.55	20.68	22.00	2
		25	0	19.79	19.58	19.58	21.00	3
		25	12	19.80	19.51	19.62	21.00	3
		25	25	19.54	19.63	19.63	21.00	3
		50	0	19.59	19.79	19.56	21.00	3
10	256-QAM	1	0	19.56	19.71	19.76	21.00	3
		1	25	19.50	19.57	19.61	21.00	3
		1	49	19.74	19.54	19.51	21.00	3
		25	0	18.80	18.66	18.63	20.00	4
		25	12	18.60	18.59	18.70	20.00	4
		25	25	18.53	18.52	18.51	20.00	4
		50	0	18.69	18.79	18.55	20.00	4

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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	22.59	22.77	22.54	24.00	0
		1	12	22.58	22.72	22.50	24.00	0
		1	24	22.75	22.61	22.78	24.00	0
		12	0	21.77	21.61	21.64	23.00	1
		12	6	21.65	21.60	21.74	23.00	1
		12	13	21.75	21.60	21.60	23.00	1
		25	0	21.53	21.62	21.71	23.00	1
5	16-QAM	1	0	21.75	21.57	21.52	23.00	1
		1	12	21.53	21.69	21.55	23.00	1
		1	24	21.50	21.63	21.69	23.00	1
		12	0	20.61	20.74	20.65	22.00	2
		12	6	20.76	20.65	20.60	22.00	2
		12	13	20.65	20.63	20.62	22.00	2
		25	0	20.69	20.60	20.72	22.00	2
5	64-QAM	1	0	20.52	20.63	20.71	22.00	2
		1	12	20.55	20.79	20.70	22.00	2
		1	24	20.76	20.65	20.67	22.00	2
		12	0	19.75	19.73	19.66	21.00	3
		12	6	19.52	19.52	19.69	21.00	3
		12	13	19.53	19.51	19.50	21.00	3
		25	0	19.67	19.68	19.76	21.00	3
5	256-QAM	1	0	19.73	19.60	19.65	21.00	3
		1	12	19.53	19.54	19.58	21.00	3
		1	24	19.66	19.70	19.76	21.00	3
		12	0	18.54	18.61	18.41	20.00	4
		12	6	18.75	18.65	18.72	20.00	4
		12	13	18.79	18.69	18.68	20.00	4
		25	0	18.64	18.62	18.51	20.00	4

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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	22.51	22.63	22.68	24.00	0
		1	7	22.75	22.50	22.65	24.00	0
		1	14	22.66	22.79	22.69	24.00	0
		8	0	21.68	21.78	21.60	23.00	1
		8	4	21.56	21.53	21.58	23.00	1
		8	7	21.77	21.78	21.51	23.00	1
		15	0	21.58	21.67	21.50	23.00	1
3	16-QAM	1	0	21.69	21.60	21.54	23.00	1
		1	7	21.56	21.59	21.76	23.00	1
		1	14	21.61	21.71	21.55	23.00	1
		8	0	20.55	20.60	20.57	22.00	2
		8	4	20.79	20.53	20.63	22.00	2
		8	7	20.76	20.62	20.69	22.00	2
		15	0	20.59	20.64	20.74	22.00	2
3	64-QAM	1	0	20.60	20.79	20.61	22.00	2
		1	7	20.67	20.76	20.77	22.00	2
		1	14	20.79	20.57	20.52	22.00	2
		8	0	19.69	19.50	19.58	21.00	3
		8	4	19.50	19.57	19.78	21.00	3
		8	7	19.71	19.63	19.60	21.00	3
		15	0	19.52	19.71	19.64	21.00	3
3	256-QAM	1	0	19.77	19.66	19.61	21.00	3
		1	7	19.69	19.60	19.62	21.00	3
		1	14	19.51	19.77	19.78	21.00	3
		8	0	18.78	18.67	18.74	20.00	4
		8	4	18.64	18.63	18.60	20.00	4
		8	7	18.73	18.55	18.63	20.00	4
		15	0	18.59	18.52	18.51	20.00	4

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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	22.53	22.54	22.55	24.00	0
		1	2	22.52	22.76	22.59	24.00	0
		1	5	22.60	22.52	22.65	24.00	0
		3	0	22.63	22.60	22.76	24.00	0
		3	2	22.59	22.56	22.77	24.00	0
		3	3	22.63	22.50	22.68	24.00	0
		6	0	21.53	21.53	21.57	23.00	1
1.4	16-QAM	1	0	21.51	21.57	21.59	23.00	1
		1	2	21.63	21.61	21.53	23.00	1
		1	5	21.57	21.54	21.77	23.00	1
		3	0	21.74	21.51	21.58	23.00	1
		3	2	21.59	21.61	21.72	23.00	1
		3	3	21.73	21.66	21.52	23.00	1
		6	0	20.66	20.66	20.60	22.00	2
1.4	64-QAM	1	0	20.60	20.63	20.65	22.00	2
		1	2	20.67	20.61	20.80	22.00	2
		1	5	20.78	20.69	20.57	22.00	2
		3	0	20.61	20.76	20.76	22.00	2
		3	2	20.52	20.70	20.57	22.00	2
		3	3	20.53	20.70	20.55	22.00	2
		6	0	19.68	19.74	19.63	21.00	3
1.4	256-QAM	1	0	19.57	19.69	19.68	21.00	3
		1	2	19.75	19.71	19.76	21.00	3
		1	5	19.51	19.70	19.66	21.00	3
		3	0	19.56	19.66	19.70	21.00	3
		3	2	19.74	19.59	19.70	21.00	3
		3	3	19.65	19.64	19.76	21.00	3
		6	0	18.64	18.75	18.69	20.00	4

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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	24.12	24.01	24.08	25.00	0
		1	50	23.97	23.73	23.90	25.00	0
		1	99	23.95	23.72	23.70	25.00	0
		50	0	22.74	22.73	22.98	24.00	1
		50	25	22.92	22.91	22.96	24.00	1
		50	50	22.83	22.75	22.93	24.00	1
		100	0	22.89	22.70	22.78	24.00	1
20	16-QAM	1	0	22.75	22.76	22.71	24.00	1
		1	50	22.86	22.82	22.73	24.00	1
		1	99	22.97	22.82	22.70	24.00	1
		50	0	21.91	21.81	21.86	23.00	2
		50	25	21.75	21.73	21.78	23.00	2
		50	50	21.93	21.87	21.73	23.00	2
		100	0	21.80	21.70	21.92	23.00	2
20	64-QAM	1	0	21.74	21.76	21.57	23.00	2
		1	50	21.76	21.91	21.73	23.00	2
		1	99	21.92	21.73	21.71	23.00	2
		50	0	20.94	20.75	20.81	22.00	3
		50	25	20.96	20.96	21.00	22.00	3
		50	50	20.71	20.88	20.76	22.00	3
		100	0	20.89	20.89	20.68	22.00	3
20	256-QAM	1	0	20.72	20.96	20.91	22.00	3
		1	50	20.82	20.75	20.73	22.00	3
		1	99	20.83	20.76	20.96	22.00	3
		50	0	19.82	19.89	19.70	21.00	4
		50	25	19.74	19.78	19.97	21.00	4
		50	50	19.79	19.93	19.81	21.00	4
		100	0	19.98	19.83	19.76	21.00	4

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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	23.88	23.91	23.97	25.00	0
		1	36	23.98	23.84	23.94	25.00	0
		1	74	23.91	23.73	23.77	25.00	0
		36	0	22.76	22.82	22.96	24.00	1
		36	18	22.80	22.86	22.97	24.00	1
		36	37	22.99	22.79	22.81	24.00	1
		75	0	22.80	22.83	22.89	24.00	1
15	16-QAM	1	0	22.73	22.90	22.96	24.00	1
		1	36	22.80	22.82	22.85	24.00	1
		1	74	22.88	22.80	22.99	24.00	1
		36	0	21.80	21.83	21.96	23.00	2
		36	18	21.73	21.86	21.72	23.00	2
		36	37	21.83	21.70	21.57	23.00	2
		75	0	21.84	21.90	22.00	23.00	2
15	64-QAM	1	0	21.83	21.71	21.74	23.00	2
		1	36	21.75	21.98	21.79	23.00	2
		1	74	21.77	21.70	21.98	23.00	2
		36	0	20.80	20.73	20.85	22.00	3
		36	18	20.92	20.80	20.84	22.00	3
		36	37	20.95	20.71	20.78	22.00	3
		75	0	20.91	20.74	20.94	22.00	3
15	256-QAM	1	0	20.71	20.83	20.86	22.00	3
		1	36	20.84	20.80	20.88	22.00	3
		1	74	20.84	20.97	20.85	22.00	3
		36	0	19.89	19.96	19.90	21.00	4
		36	18	19.87	19.85	19.95	21.00	4
		36	37	19.86	19.95	19.88	21.00	4
		75	0	19.76	19.79	19.75	21.00	4

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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	23.91	23.77	23.98	25.00	0
		1	25	23.94	23.90	23.97	25.00	0
		1	49	23.99	23.96	23.68	25.00	0
		25	0	22.70	22.70	22.91	24.00	1
		25	12	22.89	22.90	22.96	24.00	1
		25	25	22.78	22.87	22.88	24.00	1
		50	0	22.97	22.87	22.83	24.00	1
10	16-QAM	1	0	22.88	22.84	23.00	24.00	1
		1	25	22.98	22.83	22.79	24.00	1
		1	49	22.94	22.95	22.75	24.00	1
		25	0	21.84	21.86	21.74	23.00	2
		25	12	21.71	21.78	21.81	23.00	2
		25	25	21.91	21.76	21.92	23.00	2
		50	0	21.90	21.99	21.80	23.00	2
10	64-QAM	1	0	21.76	21.87	21.92	23.00	2
		1	25	21.90	21.71	21.93	23.00	2
		1	49	21.77	21.84	21.76	23.00	2
		25	0	20.89	20.73	20.91	22.00	3
		25	12	20.73	20.71	20.77	22.00	3
		25	25	20.92	20.94	20.83	22.00	3
		50	0	20.69	20.84	20.97	22.00	3
10	256-QAM	1	0	20.95	20.82	20.95	22.00	3
		1	25	20.75	21.00	20.93	22.00	3
		1	49	20.97	20.97	20.81	22.00	3
		25	0	19.77	19.70	19.79	21.00	4
		25	12	19.95	19.89	19.81	21.00	4
		25	25	19.85	19.84	19.90	21.00	4
		50	0	19.78	19.71	19.75	21.00	4

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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	23.83	23.87	23.86	25.00	0
		1	12	23.97	23.73	23.70	25.00	0
		1	24	23.86	23.83	23.75	25.00	0
		12	0	22.93	22.75	22.82	24.00	1
		12	6	22.90	22.85	22.86	24.00	1
		12	13	22.87	22.79	22.95	24.00	1
		25	0	22.83	22.86	22.94	24.00	1
5	16-QAM	1	0	22.71	22.79	22.75	24.00	1
		1	12	22.96	22.91	22.86	24.00	1
		1	24	22.87	22.73	22.79	24.00	1
		12	0	21.87	21.89	21.88	23.00	2
		12	6	21.83	21.97	21.71	23.00	2
		12	13	21.73	22.00	21.80	23.00	2
		25	0	21.80	21.79	21.72	23.00	2
5	64-QAM	1	0	21.74	21.89	21.85	23.00	2
		1	12	21.81	21.95	21.80	23.00	2
		1	24	21.97	21.95	21.78	23.00	2
		12	0	20.91	20.86	20.77	22.00	3
		12	6	20.80	20.80	20.98	22.00	3
		12	13	20.86	20.76	20.75	22.00	3
		25	0	20.71	20.76	20.73	22.00	3
5	256-QAM	1	0	20.92	20.95	20.70	22.00	3
		1	12	20.98	20.68	20.95	22.00	3
		1	24	20.88	20.77	20.82	22.00	3
		12	0	19.77	19.99	19.95	21.00	4
		12	6	19.86	19.84	19.95	21.00	4
		12	13	19.70	19.97	19.72	21.00	4
		25	0	19.97	19.99	19.79	21.00	4

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## Reduced

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	21.45	21.37	21.42	21.50	0
		1	50	21.03	21.12	21.08	21.50	0
		1	99	21.15	21.12	21.11	21.50	0
		50	0	20.13	20.17	20.15	20.50	1
		50	25	20.18	20.17	20.20	20.50	1
		50	50	20.17	20.02	20.16	20.50	1
		100	0	20.04	20.11	20.12	20.50	1
20	16-QAM	1	0	20.01	20.19	20.08	20.50	1
		1	50	20.12	20.13	20.12	20.50	1
		1	99	20.02	20.06	20.09	20.50	1
		50	0	19.15	19.12	19.15	19.50	2
		50	25	19.14	19.03	19.06	19.50	2
		50	50	19.04	19.02	19.18	19.50	2
		100	0	19.14	19.13	19.04	19.50	2
20	64-QAM	1	0	19.16	19.05	19.04	19.50	2
		1	50	19.04	19.13	19.11	19.50	2
		1	99	19.06	19.02	19.11	19.50	2
		50	0	18.09	18.09	18.06	18.50	3
		50	25	18.03	18.10	18.10	18.50	3
		50	50	18.13	18.07	18.08	18.50	3
		100	0	18.11	18.06	18.06	18.50	3
20	256-QAM	1	0	18.07	18.14	18.11	18.50	3
		1	50	18.09	18.11	18.02	18.50	3
		1	99	18.06	18.09	18.05	18.50	3
		50	0	17.08	17.18	17.14	17.50	4
		50	25	17.03	17.01	17.02	17.50	4
		50	50	17.00	17.19	17.18	17.50	4
		100	0	17.08	17.04	17.10	17.50	4

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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	21.13	21.03	21.10	21.50	0
		1	36	21.09	21.14	21.01	21.50	0
		1	74	21.05	21.01	21.17	21.50	0
		36	0	20.07	20.09	20.02	20.50	1
		36	18	20.01	20.13	20.07	20.50	1
		36	37	20.08	20.10	20.11	20.50	1
		75	0	20.14	20.07	20.14	20.50	1
15	16-QAM	1	0	20.05	20.16	20.13	20.50	1
		1	36	20.10	20.03	20.12	20.50	1
		1	74	20.14	20.03	20.15	20.50	1
		36	0	19.19	19.15	19.13	19.50	2
		36	18	19.18	19.20	19.11	19.50	2
		36	37	19.07	19.05	19.17	19.50	2
		75	0	19.11	19.18	19.12	19.50	2
15	64-QAM	1	0	19.08	19.13	19.03	19.50	2
		1	36	19.11	19.05	19.19	19.50	2
		1	74	19.14	19.07	19.15	19.50	2
		36	0	18.17	18.09	18.19	18.50	3
		36	18	18.10	18.19	18.11	18.50	3
		36	37	18.08	18.13	18.20	18.50	3
		75	0	18.10	18.11	18.06	18.50	3
15	256-QAM	1	0	18.17	18.16	18.08	18.50	3
		1	36	18.18	18.12	18.02	18.50	3
		1	74	18.16	18.10	18.11	18.50	3
		36	0	17.04	17.06	17.03	17.50	4
		36	18	17.14	17.11	17.02	17.50	4
		36	37	17.14	17.14	17.18	17.50	4
		75	0	17.07	17.20	17.06	17.50	4

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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	21.13	21.11	21.13	21.50	0
		1	25	21.13	21.12	21.18	21.50	0
		1	49	21.03	21.19	21.18	21.50	0
		25	0	20.17	20.11	20.09	20.50	1
		25	12	20.20	20.14	20.08	20.50	1
		25	25	20.08	20.15	20.08	20.50	1
		50	0	20.17	20.02	20.16	20.50	1
10	16-QAM	1	0	20.18	20.13	20.00	20.50	1
		1	25	20.06	20.04	20.02	20.50	1
		1	49	20.16	20.07	20.06	20.50	1
		25	0	19.15	19.16	19.12	19.50	2
		25	12	19.10	19.06	19.19	19.50	2
		25	25	19.15	19.03	19.07	19.50	2
		50	0	19.06	19.03	19.16	19.50	2
10	64-QAM	1	0	19.20	19.03	19.15	19.50	2
		1	25	19.06	19.17	19.07	19.50	2
		1	49	19.10	19.19	19.11	19.50	2
		25	0	18.19	18.16	18.15	18.50	3
		25	12	18.08	18.14	18.05	18.50	3
		25	25	18.05	18.05	18.20	18.50	3
		50	0	18.13	18.11	18.12	18.50	3
10	256-QAM	1	0	18.18	18.09	18.18	18.50	3
		1	25	18.16	18.10	18.04	18.50	3
		1	49	18.15	18.10	18.13	18.50	3
		25	0	17.16	17.16	17.11	17.50	4
		25	12	17.05	17.07	17.04	17.50	4
		25	25	17.00	17.03	17.07	17.50	4
		50	0	17.02	17.11	17.03	17.50	4

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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	21.00	21.08	21.07	21.50	0
		1	12	21.15	21.10	21.17	21.50	0
		1	24	21.09	21.13	21.20	21.50	0
		12	0	20.07	20.06	20.00	20.50	1
		12	6	20.04	20.11	20.08	20.50	1
		12	13	20.08	20.13	20.06	20.50	1
		25	0	20.19	20.12	20.03	20.50	1
5	16-QAM	1	0	20.18	20.16	20.04	20.50	1
		1	12	20.07	20.13	20.12	20.50	1
		1	24	20.03	20.11	20.10	20.50	1
		12	0	19.13	19.20	19.01	19.50	2
		12	6	19.13	19.17	19.10	19.50	2
		12	13	19.03	19.05	19.08	19.50	2
		25	0	19.13	19.01	19.16	19.50	2
5	64-QAM	1	0	19.16	19.14	19.17	19.50	2
		1	12	19.11	19.16	19.06	19.50	2
		1	24	19.18	19.05	19.09	19.50	2
		12	0	18.06	18.11	18.15	18.50	3
		12	6	18.03	18.15	18.03	18.50	3
		12	13	18.02	18.11	18.04	18.50	3
		25	0	18.03	18.02	18.08	18.50	3
5	256-QAM	1	0	18.00	18.17	18.10	18.50	3
		1	12	18.09	18.11	18.08	18.50	3
		1	24	18.02	18.16	18.05	18.50	3
		12	0	17.03	17.00	17.09	17.50	4
		12	6	17.08	17.13	17.04	17.50	4
		12	13	17.17	17.17	17.12	17.50	4
		25	0	17.13	17.11	17.07	17.50	4

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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	21.08	21.13	21.04	21.50	0
		1	7	21.19	21.12	21.05	21.50	0
		1	14	21.03	21.04	21.09	21.50	0
		8	0	20.01	20.20	20.17	20.50	1
		8	4	20.17	20.13	20.15	20.50	1
		8	7	20.19	20.03	20.18	20.50	1
		15	0	20.01	20.03	20.10	20.50	1
3	16-QAM	1	0	20.01	20.01	20.12	20.50	1
		1	7	20.07	20.20	20.05	20.50	1
		1	14	20.02	20.07	20.09	20.50	1
		8	0	19.13	19.08	19.03	19.50	2
		8	4	19.16	19.16	19.19	19.50	2
		8	7	19.01	19.19	19.16	19.50	2
		15	0	19.02	19.15	19.18	19.50	2
3	64-QAM	1	0	19.18	19.00	19.18	19.50	2
		1	7	19.14	19.01	19.15	19.50	2
		1	14	19.16	19.08	19.07	19.50	2
		8	0	18.00	18.12	18.01	18.50	3
		8	4	18.01	18.07	18.01	18.50	3
		8	7	18.04	18.11	18.17	18.50	3
		15	0	18.07	18.20	18.12	18.50	3
3	256-QAM	1	0	18.02	18.11	18.14	18.50	3
		1	7	18.09	18.08	18.17	18.50	3
		1	14	18.13	18.05	18.10	18.50	3
		8	0	17.15	17.15	17.19	17.50	4
		8	4	17.11	17.13	17.04	17.50	4
		8	7	17.18	17.12	17.07	17.50	4
		15	0	17.03	17.19	17.09	17.50	4

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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	21.12	21.08	21.04	21.50	0
		1	2	21.18	21.08	21.00	21.50	0
		1	5	21.19	21.05	21.14	21.50	0
		3	0	21.04	21.10	21.12	21.50	0
		3	2	21.17	21.16	21.14	21.50	0
		3	3	21.03	21.04	21.13	21.50	0
		6	0	20.14	20.10	20.18	20.50	1
1.4	16-QAM	1	0	20.17	20.18	20.07	20.50	1
		1	2	20.09	20.16	20.17	20.50	1
		1	5	20.08	20.06	20.11	20.50	1
		3	0	20.10	20.15	20.17	20.50	1
		3	2	20.15	20.14	20.09	20.50	1
		3	3	20.10	20.03	20.04	20.50	1
		6	0	19.08	19.12	19.19	19.50	2
1.4	64-QAM	1	0	19.19	19.14	19.05	19.50	2
		1	2	19.13	19.00	19.05	19.50	2
		1	5	19.07	19.15	19.01	19.50	2
		3	0	19.10	19.10	19.05	19.50	2
		3	2	19.14	19.04	19.10	19.50	2
		3	3	19.09	19.08	19.10	19.50	2
		6	0	18.19	18.09	18.14	18.50	3
1.4	256-QAM	1	0	18.09	18.19	18.03	18.50	3
		1	2	18.09	18.08	18.13	18.50	3
		1	5	18.05	18.15	18.10	18.50	3
		3	0	18.17	18.18	18.09	18.50	3
		3	2	18.19	18.18	18.17	18.50	3
		3	3	18.02	18.05	18.04	18.50	3
		6	0	17.10	17.08	17.02	17.50	4

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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	20.81	20.83	20.98	21.00	0
		1	50	20.65	20.60	20.73	21.00	0
		1	99	20.79	20.64	20.73	21.00	0
		50	0	19.67	19.77	19.64	20.00	1
		50	25	19.79	19.78	19.70	20.00	1
		50	50	19.72	19.72	19.77	20.00	1
		100	0	19.68	19.69	19.71	20.00	1
20	16-QAM	1	0	19.64	19.71	19.72	20.00	1
		1	50	19.75	19.77	19.77	20.00	1
		1	99	19.63	19.67	19.77	20.00	1
		50	0	18.67	18.78	18.63	19.00	2
		50	25	18.71	18.70	18.65	19.00	2
		50	50	18.69	18.61	18.76	19.00	2
		100	0	18.76	18.64	18.66	19.00	2
20	64-QAM	1	0	18.72	18.67	18.77	19.00	2
		1	50	18.64	18.66	18.62	19.00	2
		1	99	18.66	18.64	18.71	19.00	2
		50	0	17.68	17.74	17.64	18.00	3
		50	25	17.67	17.75	17.69	18.00	3
		50	50	17.64	17.65	17.66	18.00	3
		100	0	17.70	17.68	17.79	18.00	3
20	256-QAM	1	0	17.61	17.63	17.70	18.00	3
		1	50	17.66	17.76	17.79	18.00	3
		1	99	17.64	17.79	17.62	18.00	3
		50	0	16.76	16.74	16.67	17.00	4
		50	25	16.79	16.60	16.60	17.00	4
		50	50	16.71	16.61	16.61	17.00	4
		100	0	16.70	16.69	16.75	17.00	4

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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	20.68	20.67	20.76	21.00	0
		1	36	20.74	20.67	20.69	21.00	0
		1	74	20.70	20.65	20.71	21.00	0
		36	0	19.75	19.66	19.61	20.00	1
		36	18	19.69	19.77	19.64	20.00	1
		36	37	19.79	19.62	19.62	20.00	1
		75	0	19.74	19.69	19.62	20.00	1
15	16-QAM	1	0	19.67	19.78	19.71	20.00	1
		1	36	19.79	19.77	19.72	20.00	1
		1	74	19.74	19.75	19.75	20.00	1
		36	0	18.62	18.63	18.63	19.00	2
		36	18	18.70	18.68	18.76	19.00	2
		36	37	18.78	18.67	18.66	19.00	2
		75	0	18.72	18.62	18.61	19.00	2
15	64-QAM	1	0	18.66	18.73	18.66	19.00	2
		1	36	18.60	18.63	18.77	19.00	2
		1	74	18.60	18.61	18.60	19.00	2
		36	0	17.75	17.74	17.62	18.00	3
		36	18	17.78	17.71	17.61	18.00	3
		36	37	17.60	17.77	17.65	18.00	3
		75	0	17.75	17.77	17.73	18.00	3
15	256-QAM	1	0	17.63	17.62	17.66	18.00	3
		1	36	17.60	17.68	17.69	18.00	3
		1	74	17.79	17.74	17.77	18.00	3
		36	0	16.60	16.69	16.63	17.00	4
		36	18	16.70	16.74	16.69	17.00	4
		36	37	16.76	16.80	16.75	17.00	4
		75	0	16.78	16.73	16.68	17.00	4

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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	20.62	20.62	20.77	21.00	0
		1	25	20.72	20.74	20.69	21.00	0
		1	49	20.76	20.69	20.77	21.00	0
		25	0	19.72	19.66	19.78	20.00	1
		25	12	19.70	19.68	19.73	20.00	1
		25	25	19.64	19.75	19.67	20.00	1
		50	0	19.76	19.71	19.77	20.00	1
10	16-QAM	1	0	19.71	19.80	19.78	20.00	1
		1	25	19.67	19.67	19.68	20.00	1
		1	49	19.70	19.80	19.69	20.00	1
		25	0	18.73	18.69	18.62	19.00	2
		25	12	18.65	18.71	18.70	19.00	2
		25	25	18.62	18.67	18.62	19.00	2
		50	0	18.73	18.77	18.77	19.00	2
10	64-QAM	1	0	18.72	18.73	18.66	19.00	2
		1	25	18.72	18.74	18.77	19.00	2
		1	49	18.69	18.69	18.69	19.00	2
		25	0	17.77	17.77	17.67	18.00	3
		25	12	17.67	17.70	17.79	18.00	3
		25	25	17.67	17.71	17.74	18.00	3
		50	0	17.61	17.65	17.62	18.00	3
10	256-QAM	1	0	17.72	17.62	17.73	18.00	3
		1	25	17.61	17.79	17.63	18.00	3
		1	49	17.71	17.73	17.64	18.00	3
		25	0	16.71	16.68	16.75	17.00	4
		25	12	16.69	16.60	16.71	17.00	4
		25	25	16.66	16.71	16.63	17.00	4
		50	0	16.73	16.72	16.68	17.00	4

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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	20.63	20.62	20.74	21.00	0
		1	12	20.73	20.68	20.62	21.00	0
		1	24	20.65	20.77	20.60	21.00	0
		12	0	19.73	19.62	19.64	20.00	1
		12	6	19.63	19.67	19.63	20.00	1
		12	13	19.80	19.66	19.70	20.00	1
		25	0	19.74	19.74	19.76	20.00	1
5	16-QAM	1	0	19.70	19.71	19.78	20.00	1
		1	12	19.61	19.65	19.77	20.00	1
		1	24	19.68	19.60	19.69	20.00	1
		12	0	18.76	18.72	18.71	19.00	2
		12	6	18.78	18.79	18.67	19.00	2
		12	13	18.78	18.80	18.77	19.00	2
		25	0	18.70	18.67	18.72	19.00	2
5	64-QAM	1	0	18.74	18.61	18.77	19.00	2
		1	12	18.69	18.64	18.76	19.00	2
		1	24	18.62	18.69	18.73	19.00	2
		12	0	17.80	17.72	17.65	18.00	3
		12	6	17.77	17.78	17.78	18.00	3
		12	13	17.63	17.68	17.68	18.00	3
		25	0	17.75	17.70	17.63	18.00	3
5	256-QAM	1	0	17.77	17.75	17.67	18.00	3
		1	12	17.76	17.64	17.72	18.00	3
		1	24	17.67	17.60	17.78	18.00	3
		12	0	16.63	16.77	16.60	17.00	4
		12	6	16.74	16.66	16.61	17.00	4
		12	13	16.69	16.71	16.61	17.00	4
		25	0	16.74	16.63	16.75	17.00	4

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Frequency (MHz)				1711.5	1732.5	1753.5		
Channel				19965	20175	20385		
3	QPSK	1	0	20.61	20.79	20.63	21.00	0
		1	7	20.63	20.69	20.74	21.00	0
		1	14	20.69	20.63	20.72	21.00	0
		8	0	19.64	19.65	19.70	20.00	1
		8	4	19.63	19.70	19.62	20.00	1
		8	7	19.77	19.74	19.74	20.00	1
		15	0	19.77	19.63	19.71	20.00	1
3	16-QAM	1	0	19.80	19.73	19.72	20.00	1
		1	7	19.73	19.60	19.74	20.00	1
		1	14	19.62	19.78	19.68	20.00	1
		8	0	18.68	18.65	18.65	19.00	2
		8	4	18.71	18.73	18.68	19.00	2
		8	7	18.69	18.71	18.76	19.00	2
		15	0	18.70	18.70	18.61	19.00	2
3	64-QAM	1	0	18.79	18.66	18.69	19.00	2
		1	7	18.62	18.70	18.63	19.00	2
		1	14	18.76	18.69	18.70	19.00	2
		8	0	17.64	17.79	17.64	18.00	3
		8	4	17.60	17.76	17.62	18.00	3
		8	7	17.61	17.79	17.74	18.00	3
		15	0	17.70	17.74	17.73	18.00	3
3	256-QAM	1	0	17.62	17.75	17.71	18.00	3
		1	7	17.77	17.67	17.78	18.00	3
		1	14	17.77	17.62	17.76	18.00	3
		8	0	16.75	16.79	16.79	17.00	4
		8	4	16.64	16.62	16.68	17.00	4
		8	7	16.65	16.75	16.70	17.00	4
		15	0	16.71	16.61	16.63	17.00	4

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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	20.68	20.61	20.74	21.00	0
		1	2	20.64	20.78	20.64	21.00	0
		1	5	20.78	20.61	20.78	21.00	0
		3	0	20.72	20.68	20.75	21.00	0
		3	2	20.77	20.76	20.80	21.00	0
		3	3	20.65	20.61	20.70	21.00	0
		6	0	19.62	19.77	19.70	20.00	1
1.4	16-QAM	1	0	19.64	19.69	19.72	20.00	1
		1	2	19.67	19.63	19.77	20.00	1
		1	5	19.61	19.63	19.77	20.00	1
		3	0	19.69	19.76	19.73	20.00	1
		3	2	19.68	19.75	19.79	20.00	1
		3	3	19.63	19.64	19.65	20.00	1
		6	0	18.72	18.68	18.76	19.00	2
1.4	64-QAM	1	0	18.62	18.68	18.74	19.00	2
		1	2	18.77	18.73	18.76	19.00	2
		1	5	18.63	18.76	18.71	19.00	2
		3	0	18.78	18.74	18.76	19.00	2
		3	2	18.65	18.63	18.77	19.00	2
		3	3	18.72	18.71	18.60	19.00	2
		6	0	17.78	17.66	17.62	18.00	3
1.4	256-QAM	1	0	17.79	17.65	17.70	18.00	3
		1	2	17.70	17.62	17.71	18.00	3
		1	5	17.71	17.76	17.69	18.00	3
		3	0	17.73	17.66	17.64	18.00	3
		3	2	17.61	17.74	17.79	18.00	3
		3	3	17.79	17.75	17.79	18.00	3
		6	0	16.61	16.72	16.61	17.00	4

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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	23.90	23.87	23.95	24.00	0
		1	25	23.75	23.75	23.67	24.00	0
		1	49	23.70	23.79	23.66	24.00	0
		25	0	22.72	22.75	22.63	23.00	1
		25	12	22.69	22.73	22.71	23.00	1
		25	25	22.64	22.71	22.69	23.00	1
		50	0	22.60	22.73	22.69	23.00	1
10	16-QAM	1	0	22.64	22.77	22.61	23.00	1
		1	25	22.71	22.76	22.68	23.00	1
		1	49	22.69	22.73	22.78	23.00	1
		25	0	21.75	21.78	21.71	22.00	2
		25	12	21.60	21.73	21.61	22.00	2
		25	25	21.76	21.68	21.77	22.00	2
		50	0	21.62	21.80	21.64	22.00	2
10	64-QAM	1	0	21.72	21.62	21.61	22.00	2
		1	25	21.72	21.63	21.78	22.00	2
		1	49	21.68	21.65	21.67	22.00	2
		25	0	20.68	20.72	20.71	21.00	3
		25	12	20.60	20.63	20.62	21.00	3
		25	25	20.78	20.60	20.74	21.00	3
		50	0	20.79	20.75	20.60	21.00	3
10	256-QAM	1	0	20.61	20.61	20.72	21.00	3
		1	25	20.65	20.70	20.69	21.00	3
		1	49	20.62	20.64	20.62	21.00	3
		25	0	19.70	19.69	19.75	20.00	4
		25	12	19.70	19.71	19.65	20.00	4
		25	25	19.71	19.68	19.77	20.00	4
		50	0	19.64	19.78	19.63	20.00	4

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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	23.77	23.74	23.60	24.00	0
		1	12	23.65	23.78	23.76	24.00	0
		1	24	23.73	23.62	23.73	24.00	0
		12	0	22.71	22.76	22.67	23.00	1
		12	6	22.74	22.75	22.73	23.00	1
		12	13	22.77	22.74	22.80	23.00	1
		25	0	22.69	22.69	22.72	23.00	1
5	16-QAM	1	0	22.61	22.64	22.75	23.00	1
		1	12	22.63	22.71	22.71	23.00	1
		1	24	22.62	22.64	22.64	23.00	1
		12	0	21.66	21.73	21.64	22.00	2
		12	6	21.79	21.68	21.70	22.00	2
		12	13	21.68	21.79	21.75	22.00	2
		25	0	21.73	21.65	21.72	22.00	2
5	64-QAM	1	0	21.79	21.78	21.65	22.00	2
		1	12	21.79	21.69	21.62	22.00	2
		1	24	21.77	21.62	21.65	22.00	2
		12	0	20.66	20.65	20.61	21.00	3
		12	6	20.61	20.72	20.63	21.00	3
		12	13	20.76	20.74	20.62	21.00	3
		25	0	20.63	20.70	20.71	21.00	3
5	256-QAM	1	0	20.76	20.71	20.60	21.00	3
		1	12	20.77	20.74	20.64	21.00	3
		1	24	20.68	20.72	20.79	21.00	3
		12	0	19.79	19.61	19.63	20.00	4
		12	6	19.73	19.61	19.64	20.00	4
		12	13	19.69	19.70	19.63	20.00	4
		25	0	19.80	19.70	19.63	20.00	4

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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	23.66	23.76	23.69	24.00	0
		1	7	23.65	23.64	23.77	24.00	0
		1	14	23.65	23.63	23.69	24.00	0
		8	0	22.78	22.70	22.74	23.00	1
		8	4	22.76	22.69	22.73	23.00	1
		8	7	22.78	22.71	22.60	23.00	1
		15	0	22.75	22.76	22.77	23.00	1
3	16-QAM	1	0	22.65	22.77	22.76	23.00	1
		1	7	22.66	22.76	22.62	23.00	1
		1	14	22.76	22.60	22.66	23.00	1
		8	0	21.65	21.66	21.72	22.00	2
		8	4	21.77	21.74	21.72	22.00	2
		8	7	21.65	21.64	21.78	22.00	2
		15	0	21.66	21.67	21.77	22.00	2
3	64-QAM	1	0	21.77	21.72	21.74	22.00	2
		1	7	21.71	21.66	21.73	22.00	2
		1	14	21.75	21.61	21.73	22.00	2
		8	0	20.67	20.60	20.70	21.00	3
		8	4	20.69	20.70	20.78	21.00	3
		8	7	20.61	20.79	20.74	21.00	3
		15	0	20.67	20.75	20.74	21.00	3
3	256-QAM	1	0	20.80	20.67	20.66	21.00	3
		1	7	20.68	20.74	20.77	21.00	3
		1	14	20.65	20.69	20.64	21.00	3
		8	0	19.79	19.61	19.69	20.00	4
		8	4	19.66	19.75	19.76	20.00	4
		8	7	19.74	19.64	19.77	20.00	4
		15	0	19.65	19.69	19.67	20.00	4

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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	23.67	24.00	0
		1	2	23.68	23.71	23.72	24.00	0
		1	5	23.75	23.76	23.79	24.00	0
		3	0	23.76	23.69	23.76	24.00	0
		3	2	23.65	23.71	23.61	24.00	0
		3	3	23.66	23.78	23.66	24.00	0
		6	0	22.65	22.62	22.62	23.00	1
1.4	16-QAM	1	0	22.65	22.69	22.65	23.00	1
		1	2	22.63	22.70	22.63	23.00	1
		1	5	22.69	22.71	22.72	23.00	1
		3	0	22.74	22.65	22.65	23.00	1
		3	2	22.62	22.77	22.74	23.00	1
		3	3	22.60	22.64	22.65	23.00	1
		6	0	21.68	21.68	21.77	22.00	2
1.4	64-QAM	1	0	21.72	21.72	21.70	22.00	2
		1	2	21.77	21.75	21.60	22.00	2
		1	5	21.78	21.67	21.72	22.00	2
		3	0	21.77	21.60	21.68	22.00	2
		3	2	21.65	21.63	21.80	22.00	2
		3	3	21.76	21.77	21.64	22.00	2
		6	0	20.67	20.63	20.79	21.00	3
1.4	256-QAM	1	0	20.63	20.76	20.79	21.00	3
		1	2	20.60	20.69	20.73	21.00	3
		1	5	20.67	20.71	20.61	21.00	3
		3	0	20.69	20.61	20.70	21.00	3
		3	2	20.79	20.61	20.64	21.00	3
		3	3	20.60	20.78	20.78	21.00	3
		6	0	19.77	19.75	19.77	20.00	4

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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	21.81	21.91	21.94	22.00	0
		1	50	21.77	21.67	21.62	22.00	0
		1	99	21.71	21.77	21.66	22.00	0
		50	0	20.67	20.72	20.62	21.00	1
		50	25	20.65	20.67	20.64	21.00	1
		50	50	20.65	20.76	20.73	21.00	1
		100	0	20.64	20.73	20.67	21.00	1
20	16-QAM	1	0	20.78	20.63	20.74	21.00	1
		1	50	20.61	20.76	20.78	21.00	1
		1	99	20.68	20.73	20.76	21.00	1
		50	0	19.70	19.75	19.70	20.00	2
		50	25	19.76	19.74	19.61	20.00	2
		50	50	19.73	19.70	19.63	20.00	2
		100	0	19.74	19.70	19.79	20.00	2
20	64-QAM	1	0	19.63	19.64	19.73	20.00	2
		1	50	19.79	19.72	19.67	20.00	2
		1	99	19.71	19.65	19.71	20.00	2
		50	0	18.78	18.76	18.60	19.00	3
		50	25	18.69	18.73	18.64	19.00	3
		50	50	18.63	18.73	18.77	19.00	3
		100	0	18.61	18.61	18.64	19.00	3
20	256-QAM	1	0	18.61	18.67	18.62	19.00	3
		1	50	18.66	18.77	18.62	19.00	3
		1	99	18.77	18.61	18.78	19.00	3
		50	0	17.66	17.69	17.66	18.00	4
		50	25	17.73	17.70	17.65	18.00	4
		50	50	17.61	17.68	17.75	18.00	4
		100	0	17.74	17.71	17.67	18.00	4

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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	21.73	21.60	21.60	22.00	0
		1	36	21.73	21.61	21.62	22.00	0
		1	74	21.74	21.63	21.75	22.00	0
		36	0	20.71	20.75	20.63	21.00	1
		36	18	20.71	20.79	20.65	21.00	1
		36	37	20.64	20.79	20.77	21.00	1
		75	0	20.71	20.70	20.77	21.00	1
15	16-QAM	1	0	20.69	20.69	20.63	21.00	1
		1	36	20.66	20.74	20.67	21.00	1
		1	74	20.72	20.67	20.62	21.00	1
		36	0	19.68	19.65	19.68	20.00	2
		36	18	19.68	19.61	19.77	20.00	2
		36	37	19.65	19.71	19.66	20.00	2
		75	0	19.68	19.70	19.70	20.00	2
15	64-QAM	1	0	19.70	19.65	19.68	20.00	2
		1	36	19.62	19.76	19.71	20.00	2
		1	74	19.62	19.76	19.75	20.00	2
		36	0	18.73	18.70	18.67	19.00	3
		36	18	18.69	18.62	18.79	19.00	3
		36	37	18.60	18.68	18.68	19.00	3
		75	0	18.67	18.65	18.70	19.00	3
15	256-QAM	1	0	18.67	18.78	18.78	19.00	3
		1	36	18.70	18.70	18.65	19.00	3
		1	74	18.66	18.70	18.63	19.00	3
		36	0	17.72	17.79	17.68	18.00	4
		36	18	17.70	17.64	17.77	18.00	4
		36	37	17.78	17.79	17.73	18.00	4
		75	0	17.77	17.79	17.69	18.00	4

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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	21.73	21.67	21.60	22.00	0
		1	25	21.62	21.73	21.69	22.00	0
		1	49	21.70	21.79	21.69	22.00	0
		25	0	20.77	20.61	20.60	21.00	1
		25	12	20.72	20.64	20.69	21.00	1
		25	25	20.62	20.61	20.78	21.00	1
		50	0	20.63	20.72	20.64	21.00	1
10	16-QAM	1	0	20.60	20.64	20.61	21.00	1
		1	25	20.64	20.64	20.79	21.00	1
		1	49	20.60	20.71	20.77	21.00	1
		25	0	19.70	19.73	19.80	20.00	2
		25	12	19.66	19.78	19.74	20.00	2
		25	25	19.77	19.74	19.69	20.00	2
		50	0	19.80	19.77	19.69	20.00	2
10	64-QAM	1	0	19.79	19.68	19.66	20.00	2
		1	25	19.68	19.69	19.60	20.00	2
		1	49	19.78	19.63	19.62	20.00	2
		25	0	18.66	18.66	18.74	19.00	3
		25	12	18.74	18.70	18.75	19.00	3
		25	25	18.71	18.68	18.69	19.00	3
		50	0	18.70	18.79	18.64	19.00	3
10	256-QAM	1	0	18.65	18.63	18.68	19.00	3
		1	25	18.65	18.76	18.62	19.00	3
		1	49	18.73	18.74	18.66	19.00	3
		25	0	17.70	17.77	17.67	18.00	4
		25	12	17.77	17.63	17.79	18.00	4
		25	25	17.78	17.78	17.64	18.00	4
		50	0	17.63	17.63	17.62	18.00	4

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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	21.73	21.60	21.73	22.00	0
		1	12	21.78	21.72	21.72	22.00	0
		1	24	21.74	21.60	21.67	22.00	0
		12	0	20.79	20.75	20.63	21.00	1
		12	6	20.61	20.64	20.68	21.00	1
		12	13	20.63	20.62	20.67	21.00	1
		25	0	20.61	20.74	20.61	21.00	1
5	16-QAM	1	0	20.61	20.64	20.69	21.00	1
		1	12	20.74	20.64	20.62	21.00	1
		1	24	20.73	20.61	20.73	21.00	1
		12	0	19.61	19.63	19.62	20.00	2
		12	6	19.65	19.75	19.69	20.00	2
		12	13	19.76	19.70	19.64	20.00	2
		25	0	19.72	19.74	19.64	20.00	2
5	64-QAM	1	0	19.77	19.77	19.70	20.00	2
		1	12	19.71	19.73	19.63	20.00	2
		1	24	19.64	19.65	19.60	20.00	2
		12	0	18.62	18.66	18.80	19.00	3
		12	6	18.74	18.78	18.74	19.00	3
		12	13	18.74	18.70	18.62	19.00	3
		25	0	18.65	18.76	18.64	19.00	3
5	256-QAM	1	0	18.64	18.79	18.74	19.00	3
		1	12	18.79	18.63	18.70	19.00	3
		1	24	18.73	18.77	18.72	19.00	3
		12	0	17.70	17.66	17.71	18.00	4
		12	6	17.78	17.67	17.62	18.00	4
		12	13	17.64	17.72	17.65	18.00	4
		25	0	17.63	17.74	17.75	18.00	4

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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	21.95	21.93	21.86	22.00	0
		1	50	21.61	21.69	21.76	22.00	0
		1	99	21.70	21.80	21.80	22.00	0
		50	0	20.71	20.70	20.65	21.00	1
		50	25	20.73	20.77	20.67	21.00	1
		50	50	20.61	20.71	20.61	21.00	1
		100	0	20.64	20.63	20.67	21.00	1
20	16-QAM	1	0	20.63	20.79	20.68	21.00	1
		1	50	20.73	20.75	20.74	21.00	1
		1	99	20.69	20.64	20.68	21.00	1
		50	0	19.77	19.62	19.63	20.00	2
		50	25	19.76	19.61	19.78	20.00	2
		50	50	19.80	19.77	19.66	20.00	2
		100	0	19.67	19.80	19.61	20.00	2
20	64-QAM	1	0	19.74	19.77	19.67	20.00	2
		1	50	19.69	19.72	19.62	20.00	2
		1	99	19.67	19.77	19.78	20.00	2
		50	0	18.76	18.60	18.66	19.00	3
		50	25	18.69	18.70	18.74	19.00	3
		50	50	18.74	18.80	18.79	19.00	3
		100	0	18.66	18.79	18.61	19.00	3
20	256-QAM	1	0	18.65	18.62	18.77	19.00	3
		1	50	18.76	18.62	18.78	19.00	3
		1	99	18.66	18.66	18.67	19.00	3
		50	0	17.63	17.71	17.80	18.00	4
		50	25	17.80	17.63	17.67	18.00	4
		50	50	17.76	17.68	17.70	18.00	4
		100	0	17.73	17.76	17.68	18.00	4

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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	21.70	21.65	21.78	22.00	0
		1	36	21.72	21.79	21.62	22.00	0
		1	74	21.65	21.60	21.61	22.00	0
		36	0	20.66	20.65	20.61	21.00	1
		36	18	20.68	20.62	20.77	21.00	1
		36	37	20.79	20.70	20.73	21.00	1
		75	0	20.63	20.72	20.70	21.00	1
15	16-QAM	1	0	20.75	20.65	20.78	21.00	1
		1	36	20.67	20.70	20.78	21.00	1
		1	74	20.63	20.64	20.60	21.00	1
		36	0	19.67	19.67	19.63	20.00	2
		36	18	19.77	19.65	19.72	20.00	2
		36	37	19.61	19.74	19.76	20.00	2
		75	0	19.64	19.71	19.62	20.00	2
15	64-QAM	1	0	19.73	19.63	19.66	20.00	2
		1	36	19.65	19.64	19.60	20.00	2
		1	74	19.72	19.67	19.68	20.00	2
		36	0	18.79	18.63	18.65	19.00	3
		36	18	18.66	18.77	18.69	19.00	3
		36	37	18.79	18.79	18.73	19.00	3
		75	0	18.62	18.80	18.79	19.00	3
15	256-QAM	1	0	18.78	18.68	18.76	19.00	3
		1	36	18.79	18.75	18.62	19.00	3
		1	74	18.63	18.77	18.63	19.00	3
		36	0	17.64	17.67	17.68	18.00	4
		36	18	17.69	17.72	17.65	18.00	4
		36	37	17.72	17.76	17.67	18.00	4
		75	0	17.66	17.73	17.77	18.00	4

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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	21.72	21.61	21.79	22.00	0
		1	25	21.73	21.63	21.74	22.00	0
		1	49	21.69	21.65	21.67	22.00	0
		25	0	20.74	20.79	20.64	21.00	1
		25	12	20.63	20.70	20.69	21.00	1
		25	25	20.80	20.75	20.67	21.00	1
		50	0	20.78	20.77	20.77	21.00	1
10	16-QAM	1	0	20.63	20.80	20.74	21.00	1
		1	25	20.68	20.76	20.79	21.00	1
		1	49	20.71	20.65	20.62	21.00	1
		25	0	19.68	19.64	19.76	20.00	2
		25	12	19.76	19.65	19.78	20.00	2
		25	25	19.75	19.75	19.73	20.00	2
		50	0	19.74	19.75	19.67	20.00	2
10	64-QAM	1	0	19.79	19.76	19.78	20.00	2
		1	25	19.80	19.77	19.80	20.00	2
		1	49	19.68	19.73	19.71	20.00	2
		25	0	18.77	18.74	18.76	19.00	3
		25	12	18.78	18.78	18.72	19.00	3
		25	25	18.73	18.65	18.73	19.00	3
		50	0	18.65	18.77	18.79	19.00	3
10	256-QAM	1	0	18.72	18.67	18.79	19.00	3
		1	25	18.63	18.65	18.70	19.00	3
		1	49	18.65	18.72	18.64	19.00	3
		25	0	17.62	17.70	17.77	18.00	4
		25	12	17.72	17.62	17.72	18.00	4
		25	25	17.67	17.67	17.64	18.00	4
		50	0	17.79	17.68	17.74	18.00	4

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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	21.62	21.72	21.74	22.00	0
		1	12	21.69	21.70	21.63	22.00	0
		1	24	21.61	21.68	21.68	22.00	0
		12	0	20.73	20.66	20.65	21.00	1
		12	6	20.66	20.75	20.78	21.00	1
		12	13	20.62	20.73	20.77	21.00	1
		25	0	20.77	20.76	20.65	21.00	1
5	16-QAM	1	0	20.70	20.65	20.65	21.00	1
		1	12	20.73	20.70	20.60	21.00	1
		1	24	20.76	20.61	20.66	21.00	1
		12	0	19.61	19.63	19.64	20.00	2
		12	6	19.68	19.70	19.79	20.00	2
		12	13	19.72	19.76	19.70	20.00	2
		25	0	19.76	19.77	19.71	20.00	2
5	64-QAM	1	0	19.76	19.70	19.68	20.00	2
		1	12	19.70	19.68	19.77	20.00	2
		1	24	19.75	19.69	19.66	20.00	2
		12	0	18.68	18.76	18.65	19.00	3
		12	6	18.76	18.61	18.66	19.00	3
		12	13	18.66	18.70	18.60	19.00	3
		25	0	18.64	18.72	18.79	19.00	3
5	256-QAM	1	0	18.69	18.63	18.72	19.00	3
		1	12	18.65	18.79	18.75	19.00	3
		1	24	18.77	18.69	18.61	19.00	3
		12	0	17.73	17.69	17.75	18.00	4
		12	6	17.74	17.73	17.63	18.00	4
		12	13	17.77	17.60	17.64	18.00	4
		25	0	17.66	17.77	17.62	18.00	4

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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	21.64	21.76	21.73	22.00	0
		1	7	21.71	21.66	21.73	22.00	0
		1	14	21.76	21.76	21.68	22.00	0
		8	0	20.63	20.66	20.60	21.00	1
		8	4	20.64	20.76	20.62	21.00	1
		8	7	20.74	20.62	20.72	21.00	1
		15	0	20.65	20.69	20.68	21.00	1
3	16-QAM	1	0	20.73	20.67	20.64	21.00	1
		1	7	20.75	20.75	20.66	21.00	1
		1	14	20.62	20.66	20.64	21.00	1
		8	0	19.65	19.62	19.60	20.00	2
		8	4	19.74	19.62	19.60	20.00	2
		8	7	19.67	19.73	19.69	20.00	2
		15	0	19.79	19.63	19.68	20.00	2
3	64-QAM	1	0	19.69	19.74	19.68	20.00	2
		1	7	19.77	19.73	19.62	20.00	2
		1	14	19.69	19.67	19.74	20.00	2
		8	0	18.79	18.67	18.65	19.00	3
		8	4	18.74	18.62	18.62	19.00	3
		8	7	18.79	18.77	18.63	19.00	3
		15	0	18.76	18.77	18.60	19.00	3
3	256-QAM	1	0	18.71	18.77	18.66	19.00	3
		1	7	18.61	18.79	18.61	19.00	3
		1	14	18.74	18.67	18.68	19.00	3
		8	0	17.72	17.71	17.63	18.00	4
		8	4	17.80	17.76	17.79	18.00	4
		8	7	17.60	17.76	17.77	18.00	4
		15	0	17.72	17.61	17.65	18.00	4

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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	21.75	21.64	21.78	22.00	0
		1	2	21.76	21.67	21.77	22.00	0
		1	5	21.79	21.62	21.76	22.00	0
		3	0	21.61	21.75	21.67	22.00	0
		3	2	21.60	21.67	21.72	22.00	0
		3	3	21.74	21.60	21.76	22.00	0
		6	0	20.72	20.66	20.73	21.00	1
1.4	16-QAM	1	0	20.76	20.79	20.68	21.00	1
		1	2	20.68	20.71	20.74	21.00	1
		1	5	20.77	20.72	20.73	21.00	1
		3	0	20.74	20.70	20.79	21.00	1
		3	2	20.65	20.71	20.67	21.00	1
		3	3	20.79	20.68	20.62	21.00	1
		6	0	19.64	19.69	19.66	20.00	2
1.4	64-QAM	1	0	19.69	19.75	19.79	20.00	2
		1	2	19.71	19.71	19.77	20.00	2
		1	5	19.80	19.73	19.68	20.00	2
		3	0	19.79	19.74	19.80	20.00	2
		3	2	19.77	19.71	19.60	20.00	2
		3	3	19.70	19.74	19.78	20.00	2
		6	0	18.79	18.76	18.76	19.00	3
1.4	256-QAM	1	0	18.78	18.77	18.71	19.00	3
		1	2	18.71	18.78	18.68	19.00	3
		1	5	18.76	18.68	18.70	19.00	3
		3	0	18.76	18.75	18.64	19.00	3
		3	2	18.73	18.71	18.76	19.00	3
		3	3	18.69	18.74	18.69	19.00	3
		6	0	17.61	17.71	17.61	18.00	4

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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	23.95	23.89	23.82	24.00	0
		1	36	23.80	23.67	23.75	24.00	0
		1	74	23.71	23.61	23.74	24.00	0
		36	0	22.78	22.64	22.74	23.00	1
		36	18	22.76	22.65	22.61	23.00	1
		36	37	22.77	22.80	22.64	23.00	1
		75	0	22.79	22.65	22.71	23.00	1
15	16-QAM	1	0	22.67	22.64	22.71	23.00	1
		1	36	22.80	22.63	22.75	23.00	1
		1	74	22.74	22.76	22.64	23.00	1
		36	0	21.65	21.73	21.65	22.00	2
		36	18	21.69	21.68	21.73	22.00	2
		36	37	21.79	21.77	21.66	22.00	2
		75	0	21.74	21.75	21.67	22.00	2
15	64-QAM	1	0	21.64	21.65	21.70	22.00	2
		1	36	21.69	21.67	21.60	22.00	2
		1	74	21.79	21.61	21.67	22.00	2
		36	0	20.79	20.64	20.62	21.00	3
		36	18	20.71	20.70	20.77	21.00	3
		36	37	20.68	20.72	20.71	21.00	3
		75	0	20.65	20.79	20.74	21.00	3
15	256-QAM	1	0	20.68	20.62	20.75	21.00	3
		1	36	20.71	20.66	20.66	21.00	3
		1	74	20.61	20.78	20.61	21.00	3
		36	0	19.67	19.71	19.70	20.00	4
		36	18	19.64	19.61	19.73	20.00	4
		36	37	19.64	19.70	19.69	20.00	4
		75	0	19.63	19.66	19.64	20.00	4

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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	23.66	23.65	23.76	24.00	0
		1	25	23.62	23.66	23.68	24.00	0
		1	49	23.75	23.77	23.79	24.00	0
		25	0	22.79	22.79	22.70	23.00	1
		25	12	22.71	22.65	22.80	23.00	1
		25	25	22.73	22.79	22.79	23.00	1
		50	0	22.73	22.64	22.73	23.00	1
10	16-QAM	1	0	22.65	22.77	22.66	23.00	1
		1	25	22.64	22.65	22.64	23.00	1
		1	49	22.69	22.65	22.61	23.00	1
		25	0	21.75	21.61	21.76	22.00	2
		25	12	21.67	21.70	21.70	22.00	2
		25	25	21.78	21.68	21.80	22.00	2
		50	0	21.61	21.77	21.67	22.00	2
10	64-QAM	1	0	21.76	21.68	21.62	22.00	2
		1	25	21.62	21.75	21.74	22.00	2
		1	49	21.66	21.64	21.68	22.00	2
		25	0	20.72	20.79	20.74	21.00	3
		25	12	20.71	20.68	20.75	21.00	3
		25	25	20.74	20.75	20.67	21.00	3
		50	0	20.72	20.72	20.75	21.00	3
10	256-QAM	1	0	20.78	20.79	20.76	21.00	3
		1	25	20.78	20.62	20.76	21.00	3
		1	49	20.80	20.70	20.62	21.00	3
		25	0	19.70	19.61	19.76	20.00	4
		25	12	19.67	19.64	19.64	20.00	4
		25	25	19.71	19.68	19.61	20.00	4
		50	0	19.62	19.76	19.70	20.00	4

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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	23.77	23.68	23.67	24.00	0
		1	12	23.77	23.60	23.77	24.00	0
		1	24	23.71	23.75	23.63	24.00	0
		12	0	22.66	22.70	22.63	23.00	1
		12	6	22.64	22.61	22.71	23.00	1
		12	13	22.76	22.64	22.61	23.00	1
		25	0	22.63	22.66	22.69	23.00	1
5	16-QAM	1	0	22.80	22.68	22.73	23.00	1
		1	12	22.74	22.64	22.61	23.00	1
		1	24	22.77	22.71	22.76	23.00	1
		12	0	21.64	21.64	21.62	22.00	2
		12	6	21.65	21.64	21.61	22.00	2
		12	13	21.60	21.80	21.75	22.00	2
		25	0	21.65	21.79	21.66	22.00	2
5	64-QAM	1	0	21.74	21.67	21.64	22.00	2
		1	12	21.64	21.73	21.65	22.00	2
		1	24	21.63	21.70	21.74	22.00	2
		12	0	20.78	20.69	20.69	21.00	3
		12	6	20.78	20.61	20.75	21.00	3
		12	13	20.77	20.66	20.73	21.00	3
		25	0	20.68	20.68	20.71	21.00	3
5	256-QAM	1	0	20.79	20.74	20.64	21.00	3
		1	12	20.63	20.63	20.75	21.00	3
		1	24	20.74	20.75	20.62	21.00	3
		12	0	19.80	19.76	19.65	20.00	4
		12	6	19.61	19.78	19.74	20.00	4
		12	13	19.62	19.71	19.66	20.00	4
		25	0	19.61	19.69	19.78	20.00	4

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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	23.79	23.66	23.74	24.00	0
		1	7	23.71	23.65	23.70	24.00	0
		1	14	23.69	23.62	23.79	24.00	0
		8	0	22.65	22.79	22.62	23.00	1
		8	4	22.73	22.71	22.67	23.00	1
		8	7	22.68	22.70	22.72	23.00	1
		15	0	22.75	22.68	22.70	23.00	1
3	16-QAM	1	0	22.78	22.61	22.65	23.00	1
		1	7	22.71	22.70	22.61	23.00	1
		1	14	22.73	22.74	22.67	23.00	1
		8	0	21.68	21.78	21.79	22.00	2
		8	4	21.61	21.79	21.65	22.00	2
		8	7	21.62	21.76	21.68	22.00	2
		15	0	21.70	21.62	21.62	22.00	2
3	64-QAM	1	0	21.64	21.75	21.67	22.00	2
		1	7	21.66	21.62	21.74	22.00	2
		1	14	21.80	21.79	21.69	22.00	2
		8	0	20.61	20.66	20.61	21.00	3
		8	4	20.77	20.79	20.79	21.00	3
		8	7	20.67	20.71	20.75	21.00	3
		15	0	20.78	20.66	20.73	21.00	3
3	256-QAM	1	0	20.67	20.77	20.63	21.00	3
		1	7	20.71	20.78	20.61	21.00	3
		1	14	20.60	20.77	20.61	21.00	3
		8	0	19.76	19.72	19.65	20.00	4
		8	4	19.73	19.72	19.63	20.00	4
		8	7	19.70	19.66	19.63	20.00	4
		15	0	19.76	19.77	19.68	20.00	4

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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	23.63	23.65	23.68	24.00	0
		1	2	23.62	23.72	23.67	24.00	0
		1	5	23.73	23.62	23.79	24.00	0
		3	0	23.70	23.73	23.70	24.00	0
		3	2	23.77	23.64	23.74	24.00	0
		3	3	23.79	23.68	23.69	24.00	0
		6	0	22.75	22.78	22.64	23.00	1
1.4	16-QAM	1	0	22.69	22.79	22.67	23.00	1
		1	2	22.71	22.69	22.77	23.00	1
		1	5	22.63	22.73	22.78	23.00	1
		3	0	22.61	22.75	22.71	23.00	1
		3	2	22.62	22.60	22.70	23.00	1
		3	3	22.78	22.69	22.63	23.00	1
		6	0	21.62	21.78	21.80	22.00	2
1.4	64-QAM	1	0	21.65	21.74	21.77	22.00	2
		1	2	21.64	21.75	21.68	22.00	2
		1	5	21.64	21.78	21.73	22.00	2
		3	0	21.71	21.76	21.71	22.00	2
		3	2	21.70	21.69	21.60	22.00	2
		3	3	21.77	21.77	21.64	22.00	2
		6	0	20.67	20.76	20.62	21.00	3
1.4	256-QAM	1	0	20.70	20.70	20.74	21.00	3
		1	2	20.70	20.78	20.78	21.00	3
		1	5	20.61	20.65	20.79	21.00	3
		3	0	20.65	20.72	20.65	21.00	3
		3	2	20.79	20.63	20.79	21.00	3
		3	3	20.60	20.80	20.72	21.00	3
		6	0	19.76	19.79	19.75	20.00	4

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LTE Band 30						
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2310		
Channel				27710		
10	QPSK	1	0	19.90	20.00	0
		1	25	19.70	20.00	0
		1	49	19.63	20.00	0
		25	0	18.76	19.00	1
		25	12	18.66	19.00	1
		25	25	18.61	19.00	1
		50	0	18.73	19.00	1
10	16-QAM	1	0	18.78	19.00	1
		1	25	18.78	19.00	1
		1	49	18.64	19.00	1
		25	0	17.63	18.00	2
		25	12	17.62	18.00	2
		25	25	17.72	18.00	2
		50	0	17.61	18.00	2
10	64-QAM	1	0	17.63	18.00	2
		1	25	17.60	18.00	2
		1	49	17.65	18.00	2
		25	0	16.74	17.00	3
		25	12	16.72	17.00	3
		25	25	16.80	17.00	3
		50	0	16.67	17.00	3
10	256-QAM	1	0	16.71	17.00	3
		1	25	16.76	17.00	3
		1	49	16.69	17.00	3
		25	0	15.63	16.00	4
		25	12	15.72	16.00	4
		25	25	15.62	16.00	4
		50	0	15.75	16.00	4

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LTE Band 30								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2307.5	2310	2312.5		
Channel				27685	27710	27735		
5	QPSK	1	0	19.75	19.72	19.65	20.00	0
		1	12	19.66	19.71	19.74	20.00	0
		1	24	19.76	19.78	19.64	20.00	0
		12	0	18.63	18.80	18.70	19.00	1
		12	6	18.79	18.61	18.77	19.00	1
		12	13	18.67	18.63	18.79	19.00	1
		25	0	18.67	18.66	18.62	19.00	1
5	16-QAM	1	0	18.75	18.75	18.65	19.00	1
		1	12	18.64	18.65	18.69	19.00	1
		1	24	18.70	18.66	18.65	19.00	1
		12	0	17.68	17.75	17.61	18.00	2
		12	6	17.69	17.72	17.69	18.00	2
		12	13	17.73	17.65	17.68	18.00	2
		25	0	17.70	17.61	17.78	18.00	2
5	64-QAM	1	0	17.77	17.79	17.80	18.00	2
		1	12	17.69	17.63	17.74	18.00	2
		1	24	17.77	17.70	17.66	18.00	2
		12	0	16.72	16.79	16.74	17.00	3
		12	6	16.60	16.72	16.68	17.00	3
		12	13	16.73	16.73	16.68	17.00	3
		25	0	16.80	16.73	16.74	17.00	3
5	256-QAM	1	0	16.78	16.79	16.75	17.00	3
		1	12	16.61	16.67	16.70	17.00	3
		1	24	16.79	16.66	16.74	17.00	3
		12	0	15.77	15.71	15.65	16.00	4
		12	6	15.79	15.65	15.67	16.00	4
		12	13	15.60	15.72	15.66	16.00	4
		25	0	15.63	15.62	15.67	16.00	4

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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	20.83	20.87	20.81	21.00	0
		1	50	20.70	20.67	20.66	21.00	0
		1	99	20.65	20.72	20.66	21.00	0
		50	0	19.69	19.70	19.64	20.00	1
		50	25	19.73	19.62	19.62	20.00	1
		50	50	19.75	19.74	19.63	20.00	1
		100	0	19.75	19.76	19.62	20.00	1
20	16-QAM	1	0	19.63	19.64	19.68	20.00	1
		1	50	19.78	19.62	19.72	20.00	1
		1	99	19.61	19.65	19.71	20.00	1
		50	0	18.77	18.77	18.77	19.00	2
		50	25	18.63	18.67	18.64	19.00	2
		50	50	18.73	18.67	18.65	19.00	2
		100	0	18.69	18.71	18.78	19.00	2
20	64-QAM	1	0	18.63	18.67	18.77	19.00	2
		1	50	18.64	18.74	18.68	19.00	2
		1	99	18.60	18.66	18.74	19.00	2
		50	0	17.61	17.70	17.72	18.00	3
		50	25	17.65	17.65	17.68	18.00	3
		50	50	17.79	17.66	17.64	18.00	3
		100	0	17.65	17.64	17.76	18.00	3
20	256-QAM	1	0	17.69	17.72	17.67	18.00	3
		1	50	17.74	17.67	17.74	18.00	3
		1	99	17.79	17.67	17.69	18.00	3
		50	0	16.67	16.74	16.76	17.00	4
		50	25	16.62	16.75	16.61	17.00	4
		50	50	16.69	16.74	16.68	17.00	4
		100	0	16.66	16.61	16.62	17.00	4

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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	20.65	20.68	20.79	21.00	0
		1	36	20.76	20.76	20.60	21.00	0
		1	74	20.66	20.72	20.72	21.00	0
		36	0	19.72	19.79	19.63	20.00	1
		36	18	19.73	19.70	19.79	20.00	1
		36	37	19.63	19.77	19.60	20.00	1
		75	0	19.63	19.73	19.77	20.00	1
15	16-QAM	1	0	19.68	19.64	19.61	20.00	1
		1	36	19.64	19.60	19.72	20.00	1
		1	74	19.73	19.69	19.67	20.00	1
		36	0	18.71	18.68	18.79	19.00	2
		36	18	18.69	18.74	18.63	19.00	2
		36	37	18.71	18.72	18.71	19.00	2
		75	0	18.75	18.66	18.78	19.00	2
15	64-QAM	1	0	18.62	18.61	18.61	19.00	2
		1	36	18.79	18.80	18.68	19.00	2
		1	74	18.75	18.68	18.70	19.00	2
		36	0	17.80	17.76	17.64	18.00	3
		36	18	17.62	17.68	17.70	18.00	3
		36	37	17.60	17.69	17.69	18.00	3
		75	0	17.62	17.61	17.71	18.00	3
15	256-QAM	1	0	17.61	17.60	17.65	18.00	3
		1	36	17.66	17.75	17.70	18.00	3
		1	74	17.78	17.69	17.70	18.00	3
		36	0	16.62	16.66	16.65	17.00	4
		36	18	16.60	16.60	16.71	17.00	4
		36	37	16.65	16.78	16.65	17.00	4
		75	0	16.60	16.75	16.75	17.00	4

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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	20.66	20.65	20.69	21.00	0
		1	25	20.79	20.66	20.67	21.00	0
		1	49	20.63	20.71	20.73	21.00	0
		25	0	19.78	19.68	19.74	20.00	1
		25	12	19.77	19.70	19.75	20.00	1
		25	25	19.75	19.67	19.61	20.00	1
		50	0	19.75	19.75	19.79	20.00	1
10	16-QAM	1	0	19.78	19.64	19.61	20.00	1
		1	25	19.62	19.63	19.72	20.00	1
		1	49	19.71	19.64	19.62	20.00	1
		25	0	18.75	18.69	18.79	19.00	2
		25	12	18.73	18.79	18.62	19.00	2
		25	25	18.69	18.71	18.65	19.00	2
		50	0	18.65	18.66	18.69	19.00	2
10	64-QAM	1	0	18.70	18.69	18.73	19.00	2
		1	25	18.77	18.68	18.61	19.00	2
		1	49	18.75	18.64	18.80	19.00	2
		25	0	17.76	17.71	17.64	18.00	3
		25	12	17.80	17.75	17.65	18.00	3
		25	25	17.79	17.65	17.63	18.00	3
		50	0	17.77	17.78	17.61	18.00	3
10	256-QAM	1	0	17.64	17.77	17.74	18.00	3
		1	25	17.60	17.66	17.66	18.00	3
		1	49	17.74	17.62	17.68	18.00	3
		25	0	16.76	16.76	16.79	17.00	4
		25	12	16.77	16.69	16.71	17.00	4
		25	25	16.73	16.69	16.70	17.00	4
		50	0	16.72	16.74	16.74	17.00	4

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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	20.75	20.78	20.78	21.00	0
		1	12	20.61	20.68	20.66	21.00	0
		1	24	20.65	20.75	20.76	21.00	0
		12	0	19.74	19.67	19.66	20.00	1
		12	6	19.72	19.78	19.68	20.00	1
		12	13	19.65	19.68	19.77	20.00	1
		25	0	19.70	19.70	19.63	20.00	1
5	16-QAM	1	0	19.80	19.74	19.78	20.00	1
		1	12	19.66	19.66	19.68	20.00	1
		1	24	19.63	19.61	19.62	20.00	1
		12	0	18.63	18.71	18.71	19.00	2
		12	6	18.75	18.78	18.73	19.00	2
		12	13	18.69	18.66	18.70	19.00	2
		25	0	18.75	18.76	18.74	19.00	2
5	64-QAM	1	0	18.74	18.60	18.76	19.00	2
		1	12	18.76	18.70	18.60	19.00	2
		1	24	18.68	18.67	18.77	19.00	2
		12	0	17.69	17.72	17.79	18.00	3
		12	6	17.78	17.65	17.76	18.00	3
		12	13	17.72	17.71	17.78	18.00	3
		25	0	17.71	17.63	17.78	18.00	3
5	256-QAM	1	0	17.65	17.75	17.78	18.00	3
		1	12	17.77	17.66	17.63	18.00	3
		1	24	17.62	17.68	17.65	18.00	3
		12	0	16.75	16.75	16.78	17.00	4
		12	6	16.80	16.68	16.70	17.00	4
		12	13	16.74	16.77	16.78	17.00	4
		25	0	16.76	16.67	16.61	17.00	4

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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	20.71	20.63	20.62	21.00	0
		1	7	20.63	20.69	20.79	21.00	0
		1	14	20.73	20.76	20.62	21.00	0
		8	0	19.75	19.76	19.74	20.00	1
		8	4	19.65	19.79	19.77	20.00	1
		8	7	19.72	19.71	19.67	20.00	1
		15	0	19.73	19.67	19.73	20.00	1
3	16-QAM	1	0	19.67	19.72	19.62	20.00	1
		1	7	19.65	19.67	19.69	20.00	1
		1	14	19.61	19.65	19.63	20.00	1
		8	0	18.76	18.63	18.74	19.00	2
		8	4	18.68	18.63	18.80	19.00	2
		8	7	18.64	18.70	18.61	19.00	2
		15	0	18.75	18.76	18.70	19.00	2
3	64-QAM	1	0	18.60	18.71	18.69	19.00	2
		1	7	18.65	18.70	18.75	19.00	2
		1	14	18.67	18.78	18.66	19.00	2
		8	0	17.68	17.64	17.77	18.00	3
		8	4	17.75	17.60	17.64	18.00	3
		8	7	17.70	17.67	17.78	18.00	3
		15	0	17.69	17.76	17.64	18.00	3
3	256-QAM	1	0	17.72	17.76	17.64	18.00	3
		1	7	17.65	17.68	17.69	18.00	3
		1	14	17.73	17.63	17.70	18.00	3
		8	0	16.62	16.63	16.61	17.00	4
		8	4	16.64	16.78	16.63	17.00	4
		8	7	16.69	16.77	16.66	17.00	4
		15	0	16.76	16.67	16.79	17.00	4

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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	20.75	20.66	20.78	21.00	0
		1	2	20.76	20.69	20.69	21.00	0
		1	5	20.73	20.70	20.67	21.00	0
		3	0	20.75	20.69	20.75	21.00	0
		3	2	20.75	20.61	20.78	21.00	0
		3	3	20.78	20.67	20.65	21.00	0
		6	0	19.71	19.61	19.78	20.00	1
1.4	16-QAM	1	0	19.69	19.62	19.64	20.00	1
		1	2	19.67	19.62	19.64	20.00	1
		1	5	19.67	19.75	19.63	20.00	1
		3	0	19.75	19.70	19.78	20.00	1
		3	2	19.75	19.67	19.74	20.00	1
		3	3	19.73	19.67	19.60	20.00	1
		6	0	18.78	18.78	18.72	19.00	2
1.4	64-QAM	1	0	18.76	18.71	18.76	19.00	2
		1	2	18.60	18.76	18.65	19.00	2
		1	5	18.65	18.72	18.69	19.00	2
		3	0	18.76	18.63	18.68	19.00	2
		3	2	18.70	18.66	18.63	19.00	2
		3	3	18.65	18.68	18.73	19.00	2
		6	0	17.72	17.66	17.79	18.00	3
1.4	256-QAM	1	0	17.62	17.66	17.66	18.00	3
		1	2	17.73	17.71	17.73	18.00	3
		1	5	17.66	17.75	17.73	18.00	3
		3	0	17.75	17.67	17.78	18.00	3
		3	2	17.66	17.66	17.63	18.00	3
		3	3	17.69	17.76	17.69	18.00	3
		6	0	16.77	16.77	16.61	17.00	4

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### 5.3 TDD LTE

LTE Band 38								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2580	2595	2610		
Channel				37850	38000	38150		
20	QPSK	1	0	23.01	22.99	23.03	24.00	0
		1	50	22.87	22.77	22.90	24.00	0
		1	99	22.69	22.68	22.92	24.00	0
		50	0	21.78	21.88	21.75	23.00	1
		50	25	21.72	21.84	21.73	23.00	1
		50	50	21.91	21.86	21.87	23.00	1
		100	0	21.76	21.57	21.69	23.00	1
20	16-QAM	1	0	21.82	21.86	21.81	23.00	1
		1	50	21.72	21.80	21.82	23.00	1
		1	99	21.75	21.75	21.69	23.00	1
		50	0	20.70	20.82	20.72	22.00	2
		50	25	20.91	20.75	20.71	22.00	2
		50	50	20.70	20.87	20.80	22.00	2
		100	0	20.78	20.90	20.57	22.00	2
20	64-QAM	1	0	20.68	20.84	20.78	22.00	2
		1	50	20.74	20.86	20.91	22.00	2
		1	99	20.73	20.82	20.95	22.00	2
		50	0	19.76	19.71	19.73	21.00	3
		50	25	19.87	19.86	19.80	21.00	3
		50	50	19.94	19.78	19.88	21.00	3
		100	0	19.70	19.81	19.89	21.00	3
20	256-QAM	1	0	19.87	19.69	19.86	21.00	3
		1	50	19.89	19.79	19.88	21.00	3
		1	99	19.88	19.83	19.65	21.00	3
		50	0	18.83	18.92	18.82	20.00	4
		50	25	18.81	18.72	18.91	20.00	4
		50	50	18.79	18.94	18.70	20.00	4
		100	0	18.81	18.93	18.91	20.00	4

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LTE Band 38								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2577.5	2595	2612.5		
Channel				37825	38000	38175		
15	QPSK	1	0	22.78	22.86	22.90	24.00	0
		1	36	22.71	22.94	22.74	24.00	0
		1	74	22.86	22.72	22.71	24.00	0
		36	0	21.94	21.83	21.80	23.00	1
		36	18	21.80	21.71	21.72	23.00	1
		36	37	21.71	21.73	21.80	23.00	1
		75	0	21.85	21.72	21.83	23.00	1
15	16-QAM	1	0	21.84	21.83	21.69	23.00	1
		1	36	21.82	21.66	21.86	23.00	1
		1	74	21.69	21.81	21.84	23.00	1
		36	0	20.73	20.83	20.90	22.00	2
		36	18	20.80	20.68	20.83	22.00	2
		36	37	20.72	20.58	20.69	22.00	2
		75	0	20.70	20.73	20.75	22.00	2
15	64-QAM	1	0	20.78	20.86	20.78	22.00	2
		1	36	20.75	20.77	20.89	22.00	2
		1	74	20.71	20.65	20.92	22.00	2
		36	0	19.77	19.90	19.91	21.00	3
		36	18	19.70	19.86	19.93	21.00	3
		36	37	19.69	19.76	19.92	21.00	3
		75	0	19.84	19.65	19.73	21.00	3
15	256-QAM	1	0	19.79	19.86	19.76	21.00	3
		1	36	19.86	19.93	19.75	21.00	3
		1	74	19.87	19.67	19.89	21.00	3
		36	0	18.70	18.89	18.92	20.00	4
		36	18	18.83	18.86	18.68	20.00	4
		36	37	18.72	18.93	18.93	20.00	4
		75	0	18.81	18.68	18.66	20.00	4

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LTE Band 38								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2575	2595	2615		
Channel				37800	38000	38200		
10	QPSK	1	0	22.66	22.80	22.73	24.00	0
		1	25	22.89	22.91	22.92	24.00	0
		1	49	22.71	22.88	22.93	24.00	0
		25	0	21.94	21.92	21.93	23.00	1
		25	12	21.78	21.81	21.80	23.00	1
		25	25	21.86	21.73	21.68	23.00	1
		50	0	21.82	21.65	21.82	23.00	1
10	16-QAM	1	0	21.80	21.90	21.66	23.00	1
		1	25	21.92	21.76	21.65	23.00	1
		1	49	21.93	21.86	21.88	23.00	1
		25	0	20.89	20.92	20.68	22.00	2
		25	12	20.80	20.70	20.89	22.00	2
		25	25	20.93	20.75	20.81	22.00	2
		50	0	20.68	20.94	20.57	22.00	2
10	64-QAM	1	0	20.90	20.73	20.71	22.00	2
		1	25	20.91	20.78	20.84	22.00	2
		1	49	20.69	20.75	20.83	22.00	2
		25	0	19.74	19.89	19.67	21.00	3
		25	12	19.81	19.95	19.78	21.00	3
		25	25	19.94	19.79	19.89	21.00	3
		50	0	19.76	19.81	19.82	21.00	3
10	256-QAM	1	0	19.80	19.92	19.83	21.00	3
		1	25	19.88	19.79	19.87	21.00	3
		1	49	19.72	19.78	19.70	21.00	3
		25	0	18.92	18.69	18.80	20.00	4
		25	12	18.82	18.72	18.92	20.00	4
		25	25	18.80	18.82	18.87	20.00	4
		50	0	18.90	18.85	18.94	20.00	4

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LTE Band 38								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				2572.5	2595	2617.5		
Channel				37775	38000	38225		
5	QPSK	1	0	22.84	22.94	22.68	24.00	0
		1	12	22.66	22.79	22.82	24.00	0
		1	24	22.82	22.77	22.76	24.00	0
		12	0	21.87	21.87	21.81	23.00	1
		12	6	21.90	21.85	21.90	23.00	1
		12	13	21.88	21.79	21.78	23.00	1
		25	0	21.71	21.78	21.80	23.00	1
5	16-QAM	1	0	21.79	21.92	21.80	23.00	1
		1	12	21.90	21.83	21.77	23.00	1
		1	24	21.85	21.85	21.86	23.00	1
		12	0	20.78	20.67	20.90	22.00	2
		12	6	20.83	20.68	20.66	22.00	2
		12	13	20.74	20.88	20.93	22.00	2
		25	0	20.71	20.85	20.89	22.00	2
5	64-QAM	1	0	20.86	20.93	20.89	22.00	2
		1	12	20.87	20.69	20.82	22.00	2
		1	24	20.68	20.75	20.75	22.00	2
		12	0	19.87	19.72	19.86	21.00	3
		12	6	19.70	19.76	19.69	21.00	3
		12	13	19.86	19.80	19.75	21.00	3
		25	0	19.89	19.91	19.91	21.00	3
5	256-QAM	1	0	19.90	19.83	19.88	21.00	3
		1	12	19.80	19.69	19.79	21.00	3
		1	24	19.82	19.95	19.85	21.00	3
		12	0	18.83	18.73	18.84	20.00	4
		12	6	18.72	18.68	18.76	20.00	4
		12	13	18.70	18.76	18.74	20.00	4
		25	0	18.73	18.75	18.94	20.00	4

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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)				2506	2549.5	2593	2636.5	2680	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				39750	40185	40620	41055	41490		
20	QPSK	1	0	22.90	22.89	22.93	22.98	23.07	24.00	0
		1	50	22.85	22.68	22.77	22.75	22.76	24.00	0
		1	99	22.80	22.65	22.55	22.66	22.80	24.00	0
		50	0	21.61	21.80	21.58	21.60	21.85	23.00	1
		50	25	21.71	21.65	21.55	21.80	21.59	23.00	1
		50	50	21.64	21.72	21.65	21.64	21.79	23.00	1
20	16-QAM	100	0	21.77	21.73	21.82	21.67	21.78	23.00	1
		1	0	21.59	21.82	21.72	21.73	21.65	23.00	1
		1	50	21.51	21.73	21.62	21.60	21.68	23.00	1
		1	99	21.69	21.82	21.71	21.62	21.73	23.00	1
		50	0	20.57	20.64	20.71	20.76	20.75	22.00	2
		50	25	20.76	20.84	20.83	20.79	20.62	22.00	2
20	64-QAM	50	50	20.69	20.70	20.64	20.59	20.58	22.00	2
		100	0	20.83	20.65	20.66	20.76	20.71	22.00	2
		1	0	20.68	20.60	20.55	20.79	20.78	22.00	2
		1	50	20.66	20.73	20.74	20.56	20.66	22.00	2
		1	99	20.63	20.80	20.54	20.81	20.59	22.00	2
		50	0	19.74	19.78	19.67	19.75	19.60	21.00	3
20	256-QAM	50	25	19.58	19.66	19.84	19.60	19.49	21.00	3
		50	50	19.66	19.78	19.74	19.65	19.69	21.00	3
		100	0	19.64	19.63	19.66	19.74	19.84	21.00	3
		1	0	19.59	19.56	19.85	19.84	19.60	21.00	3
		1	50	19.65	19.64	19.74	19.71	19.70	21.00	3
		1	99	19.67	19.78	19.74	19.62	19.73	21.00	3
20		50	0	18.84	18.56	18.70	18.63	18.75	20.00	4
		50	25	18.70	18.79	18.65	18.60	18.80	20.00	4
		50	50	18.58	18.67	18.67	18.85	18.76	20.00	4
		100	0	18.63	18.82	18.65	18.69	18.70	20.00	4

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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	22.63	22.79	22.69	22.67	22.76	24.00	0
		1	36	22.70	22.56	22.65	22.60	22.75	24.00	0
		1	74	22.59	22.73	22.83	22.77	22.81	24.00	0
		36	0	21.56	21.73	21.68	21.65	21.64	23.00	1
		36	18	21.72	21.56	21.80	21.63	21.73	23.00	1
		36	37	21.82	21.65	21.60	21.79	21.80	23.00	1
15	16-QAM	75	0	21.65	21.62	21.67	21.73	21.84	23.00	1
		1	0	21.76	21.68	21.59	21.58	21.59	23.00	1
		1	36	21.80	21.79	21.77	21.69	21.79	23.00	1
		1	74	21.83	21.85	21.70	21.84	21.81	23.00	1
		36	0	20.75	20.56	20.80	20.62	20.82	22.00	2
		36	18	20.59	20.56	20.78	20.60	20.80	22.00	2
15	64-QAM	36	37	20.65	20.72	20.75	20.65	20.62	22.00	2
		75	0	20.58	20.71	20.60	20.81	20.77	22.00	2
		1	0	20.80	20.63	20.85	20.61	20.76	22.00	2
		1	36	20.57	20.85	20.71	20.84	20.61	22.00	2
		1	74	20.59	20.69	20.72	20.64	20.57	22.00	2
		36	0	19.61	19.61	19.67	19.81	19.66	21.00	3
15	256-QAM	36	18	19.59	19.70	19.78	19.81	19.80	21.00	3
		36	37	19.67	19.59	19.67	19.75	19.82	21.00	3
		75	0	19.84	19.74	19.73	19.67	19.77	21.00	3
		1	0	19.62	19.72	19.78	19.78	19.71	21.00	3
		1	36	19.82	19.68	19.66	19.74	19.61	21.00	3
		1	74	19.75	19.58	19.68	19.71	19.65	21.00	3
15		36	0	18.69	18.59	18.85	18.84	18.60	20.00	4
		36	18	18.81	18.76	18.72	18.63	18.57	20.00	4
		36	37	18.71	18.64	18.56	18.84	18.73	20.00	4
		75	0	18.81	18.73	18.67	18.57	18.74	20.00	4

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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	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Channel				39700	40160	40620	41080	41540		
10	QPSK	1	0	22.74	22.62	22.83	22.81	22.55	24.00	0
		1	25	22.73	22.83	22.58	22.77	22.59	24.00	0
		1	49	22.64	22.75	22.66	22.69	22.57	24.00	0
		25	0	21.66	21.68	21.64	21.67	21.64	23.00	1
		25	12	21.76	21.83	21.77	21.72	21.81	23.00	1
		25	25	21.83	21.71	21.76	21.66	21.61	23.00	1
10	16-QAM	50	0	21.81	21.65	21.69	21.62	21.65	23.00	1
		1	0	21.83	21.56	21.67	21.77	21.58	23.00	1
		1	25	21.70	21.63	21.58	21.83	21.85	23.00	1
		1	49	21.80	21.66	21.59	21.58	21.56	23.00	1
		25	0	20.58	20.83	20.75	20.60	20.76	22.00	2
		25	12	20.81	20.77	20.82	20.65	20.71	22.00	2
10	64-QAM	25	25	20.71	20.56	20.65	20.79	20.79	22.00	2
		50	0	20.82	20.70	20.71	20.73	20.76	22.00	2
		1	0	20.57	20.69	20.60	20.84	20.70	22.00	2
		1	25	20.73	20.62	20.72	20.64	20.47	22.00	2
		1	49	20.80	20.71	20.78	20.72	20.69	22.00	2
		25	0	19.82	19.73	19.74	19.75	19.67	21.00	3
10	256-QAM	25	12	19.84	19.62	19.67	19.68	19.62	21.00	3
		25	25	19.61	19.78	19.59	19.63	19.64	21.00	3
		50	0	19.64	19.85	19.67	19.61	19.80	21.00	3
		1	0	19.82	19.81	19.80	19.57	19.73	21.00	3
		1	25	19.62	19.74	19.75	19.83	19.62	21.00	3
		1	49	19.81	19.71	19.77	19.57	19.66	21.00	3
10	256-QAM	25	0	18.80	18.82	18.81	18.74	18.84	20.00	4
		25	12	18.67	18.58	18.59	18.81	18.68	20.00	4
		25	25	18.79	18.76	18.65	18.55	18.63	20.00	4
		50	0	18.58	18.61	18.76	18.73	18.64	20.00	4

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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	22.61	22.65	22.63	22.79	22.63	24.00	0
		1	12	22.60	22.83	22.71	22.56	22.72	24.00	0
		1	24	22.69	22.61	22.57	22.64	22.71	24.00	0
		12	0	21.82	21.69	21.77	21.66	21.83	23.00	1
		12	6	21.62	21.81	21.83	21.83	21.77	23.00	1
		12	13	21.67	21.74	21.67	21.75	21.66	23.00	1
5	16-QAM	25	0	21.80	21.57	21.69	21.83	21.71	23.00	1
		1	0	21.64	21.66	21.61	21.68	21.78	23.00	1
		1	12	21.65	21.68	21.63	21.74	21.69	23.00	1
		1	24	21.61	21.56	21.81	21.79	21.57	23.00	1
		12	0	20.75	20.80	20.69	20.68	20.66	22.00	2
		12	6	20.65	20.67	20.58	20.81	20.72	22.00	2
5	64-QAM	12	13	20.73	20.63	20.80	20.70	20.79	22.00	2
		25	0	20.71	20.76	20.81	20.85	20.77	22.00	2
		1	0	20.82	20.74	20.61	20.71	20.60	22.00	2
		1	12	20.59	20.73	20.75	20.63	20.76	22.00	2
		1	24	20.67	20.74	20.59	20.68	20.80	22.00	2
		12	0	19.55	19.59	19.77	19.72	19.69	21.00	3
5	256-QAM	12	6	19.73	19.69	19.63	19.79	19.72	21.00	3
		12	13	19.60	19.75	19.79	19.72	19.63	21.00	3
		25	0	19.73	19.84	19.58	19.60	19.74	21.00	3
		1	0	19.69	19.73	19.79	19.71	19.67	21.00	3
		1	12	19.65	19.68	19.78	19.69	19.72	21.00	3
		1	24	19.71	19.62	19.73	19.78	19.70	21.00	3
5		12	0	18.59	18.63	18.55	18.69	18.76	20.00	4
		12	6	18.74	18.73	18.85	18.60	18.59	20.00	4
		12	13	18.57	18.78	18.55	18.63	18.75	20.00	4
		25	0	18.75	18.70	18.63	18.59	18.83	20.00	4

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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	21.23	21.48	21.24	21.27	22.00	0
		1	50	21.19	21.36	21.20	21.24	22.00	0
		1	99	21.15	21.26	21.22	21.18	22.00	0
		50	0	19.65	19.54	19.70	19.72	21.00	1
		50	25	19.66	19.56	19.59	19.64	21.00	1
		50	50	19.47	19.57	19.56	19.61	21.00	1
		100	0	19.73	19.46	19.75	19.60	21.00	1
20	16-QAM	1	0	19.74	19.62	19.73	19.52	21.00	1
		1	50	19.63	19.48	19.64	19.51	21.00	1
		1	99	19.52	19.49	19.65	19.69	21.00	1
		50	0	18.69	18.68	18.59	18.57	20.00	2
		50	25	18.55	18.62	18.55	18.59	20.00	2
		50	50	18.84	18.73	18.54	18.57	20.00	2
		100	0	18.60	18.60	18.61	18.61	20.00	2
20	64-QAM	1	0	18.48	18.69	18.55	18.54	20.00	2
		1	50	18.67	18.46	18.70	18.57	20.00	2
		1	99	18.47	18.71	18.54	18.48	20.00	2
		50	0	17.66	17.70	17.48	17.69	19.00	3
		50	25	17.59	17.72	17.47	17.49	19.00	3
		50	50	17.48	17.62	17.74	17.50	19.00	3
		100	0	17.66	17.61	17.64	17.70	19.00	3
20	256-QAM	1	0	17.56	17.53	17.68	17.60	19.00	3
		1	50	17.65	17.64	17.49	17.53	19.00	3
		1	99	17.49	17.71	17.45	17.61	19.00	3
		50	0	16.56	16.45	16.73	16.60	18.00	4
		50	25	16.66	16.71	16.48	16.47	18.00	4
		50	50	16.66	16.48	16.69	16.47	18.00	4
		100	0	16.50	16.48	16.59	16.59	18.00	4

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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	21.16	21.43	21.20	21.17	22.00	0
		1	36	21.09	21.26	21.20	21.16	22.00	0
		1	74	21.10	21.24	21.16	21.12	22.00	0
		36	0	19.57	19.54	19.47	19.59	21.00	1
		36	18	19.66	19.75	19.46	19.55	21.00	1
		36	37	19.45	19.61	19.47	19.69	21.00	1
		75	0	19.46	19.70	19.58	19.53	21.00	1
15	16-QAM	1	0	19.73	19.61	19.52	19.69	21.00	1
		1	36	19.65	19.56	19.62	19.60	21.00	1
		1	74	19.47	19.50	19.67	19.60	21.00	1
		36	0	18.67	18.46	18.72	18.53	20.00	2
		36	18	18.58	18.60	18.51	18.57	20.00	2
		36	37	18.70	18.49	18.59	18.46	20.00	2
		75	0	18.65	18.49	18.51	18.66	20.00	2
15	64-QAM	1	0	18.66	18.58	18.70	18.55	20.00	2
		1	36	18.70	18.73	18.60	18.60	20.00	2
		1	74	18.71	18.50	18.62	18.75	20.00	2
		36	0	17.68	17.49	17.75	17.66	19.00	3
		36	18	17.65	17.71	17.68	17.70	19.00	3
		36	37	17.54	17.62	17.49	17.46	19.00	3
		75	0	17.60	17.54	17.66	17.61	19.00	3
15	256-QAM	1	0	17.62	17.65	17.59	17.56	19.00	3
		1	36	17.55	17.68	17.60	17.57	19.00	3
		1	74	17.62	17.52	17.58	17.73	19.00	3
		36	0	16.46	16.47	16.50	16.48	18.00	4
		36	18	16.71	16.55	16.52	16.49	18.00	4
		36	37	16.63	16.60	16.55	16.56	18.00	4
		75	0	16.65	16.56	16.70	16.58	18.00	4

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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	21.17	21.47	21.15	21.22	22.00	0
		1	25	21.17	21.29	21.10	21.20	22.00	0
		1	49	21.05	21.25	21.13	21.11	22.00	0
		25	0	19.48	19.56	19.70	19.54	21.00	1
		25	12	19.52	19.65	19.59	19.72	21.00	1
		25	25	19.74	19.71	19.66	19.74	21.00	1
		50	0	19.57	19.69	19.64	19.53	21.00	1
10	16-QAM	1	0	19.74	19.48	19.60	19.49	21.00	1
		1	25	19.61	19.69	19.45	19.50	21.00	1
		1	49	19.41	19.55	19.47	19.71	21.00	1
		25	0	18.54	18.65	18.61	18.69	20.00	2
		25	12	18.65	18.59	18.49	18.71	20.00	2
		25	25	18.45	18.55	18.67	18.56	20.00	2
		50	0	18.60	18.68	18.46	18.72	20.00	2
10	64-QAM	1	0	18.61	18.70	18.53	18.62	20.00	2
		1	25	18.34	18.64	18.61	18.49	20.00	2
		1	49	18.64	18.47	18.55	18.61	20.00	2
		25	0	17.63	17.53	17.50	17.68	19.00	3
		25	12	17.66	17.69	17.72	17.51	19.00	3
		25	25	17.57	17.61	17.58	17.49	19.00	3
		50	0	17.50	17.57	17.74	17.73	19.00	3
10	256-QAM	1	0	17.58	17.46	17.58	17.50	19.00	3
		1	25	17.62	17.73	17.74	17.50	19.00	3
		1	49	17.64	17.71	17.69	17.48	19.00	3
		25	0	16.62	16.61	16.48	16.47	18.00	4
		25	12	16.61	16.75	16.47	16.63	18.00	4
		25	25	16.46	16.58	16.64	16.45	18.00	4
		50	0	16.71	16.54	16.57	16.69	18.00	4

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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	21.15	21.45	21.23	21.21	22.00	0
		1	12	21.14	21.27	21.14	21.17	22.00	0
		1	24	21.15	21.21	21.17	21.12	22.00	0
		12	0	19.69	19.69	19.71	19.69	21.00	1
		12	6	19.62	19.53	19.68	19.75	21.00	1
		12	13	19.65	19.72	19.59	19.56	21.00	1
		25	0	19.55	19.48	19.61	19.54	21.00	1
5	16-QAM	1	0	19.75	19.55	19.71	19.51	21.00	1
		1	12	19.73	19.66	19.58	19.50	21.00	1
		1	24	19.46	19.69	19.53	19.47	21.00	1
		12	0	18.70	18.58	18.73	18.65	20.00	2
		12	6	18.52	18.69	18.48	18.52	20.00	2
		12	13	18.66	18.46	18.73	18.74	20.00	2
		25	0	18.71	18.55	18.56	18.52	20.00	2
5	64-QAM	1	0	18.64	18.56	18.54	18.47	20.00	2
		1	12	18.51	18.47	18.61	18.46	20.00	2
		1	24	18.48	18.49	18.66	18.51	20.00	2
		12	0	17.73	17.66	17.75	17.47	19.00	3
		12	6	17.58	17.57	17.74	17.71	19.00	3
		12	13	17.47	17.51	17.46	17.48	19.00	3
		25	0	17.64	17.56	17.48	17.54	19.00	3
5	256-QAM	1	0	17.51	17.60	17.56	17.70	19.00	3
		1	12	17.70	17.61	17.47	17.45	19.00	3
		1	24	17.69	17.74	17.49	17.67	19.00	3
		12	0	16.67	16.63	16.48	16.64	18.00	4
		12	6	16.74	16.58	16.69	16.49	18.00	4
		12	13	16.59	16.66	16.73	16.45	18.00	4
		25	0	16.60	16.67	16.45	16.73	18.00	4

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## 6 SUMMARY OF RESULTS

### 6.1 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.

### 6.2 Summary of SAR Results

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)		ID
								Measured	Reported	
WCDMA Band II	Bottom of Laptop	0	9262	1852.4	21.0	20.80	104.71%	0.89	0.936	-
WCDMA Band II	Bottom of Laptop	0	9400	1880	21.0	20.87	103.04%	1.00	1.028	001
WCDMA Band II	Bottom of Laptop	0	9538	1907.6	21.0	20.69	107.40%	0.93	0.997	-
WCDMA Band II	Front Edge of Laptop	0	9400	1880	24.5	23.48	126.47%	0.24	0.309	004
WCDMA Band II	Bottom of Laptop	0	9400	1880	21.0	23.48	56.49%	0.97	0.550	-
WCDMA Band II	Bottom of Laptop*	0	9400	1880	21.0	23.48	56.49%	0.91	0.515	-
WCDMA Band IV	Bottom of Laptop	0	1312	1712.4	21.0	20.76	105.68%	1.01	1.067	-
WCDMA Band IV	Bottom of Laptop	0	1412	1732.4	21.0	20.88	102.80%	1.05	1.079	002
WCDMA Band IV	Bottom of Laptop	0	1513	1752.6	21.0	20.77	105.44%	0.99	1.039	-
WCDMA Band IV	Front Edge of Laptop	0	1412	1732.4	24.5	23.57	123.88%	0.26	0.318	005
WCDMA Band IV	Bottom of Laptop	0	1412	1732.4	21.0	23.57	55.34%	1.03	0.570	-
WCDMA Band IV	Bottom of Laptop*	0	1412	1732.4	21.0	23.57	55.34%	0.96	0.528	-
WCDMA Band V	Bottom of Laptop	0	4132	826.4	24.5	23.68	120.78%	0.88	1.064	003
WCDMA Band V	Bottom of Laptop	0	4183	836.6	24.5	23.56	124.17%	0.75	0.935	-
WCDMA Band V	Bottom of Laptop	0	4233	846.6	24.5	23.64	121.90%	0.81	0.990	-
WCDMA Band V	Front Edge of Laptop	0	4132	826.4	24.5	23.68	120.78%	0.34	0.406	006
WCDMA Band V	Bottom of Laptop	0	4132	826.4	24.5	23.68	120.78%	0.86	1.035	-
WCDMA Band V	Bottom of Laptop*	0	4132	826.4	24.5	23.68	120.78%	0.76	0.914	-

Note: \* - INPAQ Spot check

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)		ID
								Measured	Reported	
WCDMA Band II	Bottom of Laptop	19	9262	1852.4	24.5	23.27	132.74%	0.34	0.454	-
WCDMA Band II	Bottom of Laptop	19	9400	1880	24.5	23.48	126.47%	0.45	0.569	007
WCDMA Band II	Bottom of Laptop	19	9538	1907.6	24.5	23.41	128.53%	0.37	0.473	-
WCDMA Band II	Bottom of Laptop*	19	9400	1880	24.5	23.48	126.47%	0.41	0.521	-
WCDMA Band IV	Bottom of Laptop	19	1312	1712.4	24.5	23.34	130.62%	0.40	0.525	-
WCDMA Band IV	Bottom of Laptop	19	1412	1732.4	24.5	23.57	123.88%	0.43	0.533	008
WCDMA Band IV	Bottom of Laptop	19	1513	1752.6	24.5	23.46	127.06%	0.38	0.479	-
WCDMA Band IV	Bottom of Laptop*	19	1412	1732.4	24.5	23.57	123.88%	0.38	0.465	-

Note: \* - INPAQ Spot check

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Band	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)		ID
												Measured	Reported	
LTE Band 2	20MHz	QPSK	1	0	Bottom of Laptop	0	18700	1860	21.50	21.45	101.16%	0.93	0.942	009
LTE Band 2			1	0	Bottom of Laptop	0	18900	1880	21.50	21.37	103.04%	0.89	0.920	-
LTE Band 2			1	0	Bottom of Laptop	0	19100	1900	21.50	21.42	101.86%	0.91	0.929	-
LTE Band 2			50	25	Bottom of Laptop	0	19100	1860	20.50	20.20	107.15%	0.73	0.784	-
LTE Band 2			100RB		Bottom of Laptop	0	19100	1900	20.50	20.12	109.14%	0.73	0.791	-
LTE Band 2			1	0	Front Edge of Laptop	0	18700	1860	24.00	23.41	114.55%	0.36	0.414	026
LTE Band 2			50	0	Front Edge of Laptop	0	18900	1860	23.00	22.08	123.59%	0.31	0.386	-
LTE Band 2			1	0	Bottom of Laptop	0	18700	1860	21.50	21.45	101.16%	0.91	0.922	-
LTE Band 2			1	0	Bottom of Laptop	0	18700	1860	21.50	21.45	101.16%	0.86	0.867	-
LTE Band 2														
LTE Band 4	20MHz	QPSK	1	0	Bottom of Laptop	0	20050	1720	21.00	20.81	104.47%	0.88	0.924	-
LTE Band 4			1	0	Bottom of Laptop	0	20175	1732.5	21.00	20.83	103.99%	0.91	0.948	-
LTE Band 4			1	0	Bottom of Laptop	0	20300	1745	21.00	20.98	100.46%	0.94	0.940	010
LTE Band 4			50	25	Bottom of Laptop	0	20050	1720	20.00	19.79	104.95%	0.74	0.780	-
LTE Band 4			100RB		Bottom of Laptop	0	20300	1745	20.00	19.71	106.91%	0.73	0.778	-
LTE Band 4			1	0	Front Edge of Laptop	0	20300	1745	24.00	23.62	109.14%	0.28	0.306	027
LTE Band 4			50	25	Front Edge of Laptop	0	20050	1720	23.00	22.25	118.85%	0.20	0.232	-
LTE Band 4			1	0	Bottom of Laptop	0	20300	1745	21.00	20.98	100.46%	0.93	0.934	-
LTE Band 4			1	0	Bottom of Laptop*	0	20300	1745	21.00	20.98	100.46%	0.78	0.782	-
LTE Band 4														
LTE Band 5	10MHz	QPSK	1	0	Bottom of Laptop	0	20450	829	24.00	23.90	102.33%	0.91	0.933	-
LTE Band 5			1	0	Bottom of Laptop	0	20525	836.5	24.00	23.87	103.04%	0.95	0.979	-
LTE Band 5			1	0	Bottom of Laptop	0	20600	844	24.00	23.95	101.16%	0.99	0.996	011
LTE Band 5			25	0	Bottom of Laptop	0	20450	829	23.00	22.72	106.66%	0.81	0.866	-
LTE Band 5			25	0	Bottom of Laptop	0	20525	836.5	23.00	22.75	105.93%	0.78	0.824	-
LTE Band 5			25	12	Bottom of Laptop	0	20600	844	23.00	22.71	106.91%	0.78	0.829	-
LTE Band 5			50RB		Bottom of Laptop	0	20600	844	23.00	22.73	106.41%	0.76	0.811	-
LTE Band 5			1	0	Front Edge of Laptop	0	20600	844	25.00	24.37	115.61%	0.37	0.423	028
LTE Band 5			25	0	Front Edge of Laptop	0	20600	844	24.00	23.13	122.18%	0.31	0.375	-
LTE Band 5			1	0	Bottom of Laptop	0	20600	844	24.00	23.95	101.16%	0.96	0.974	-
LTE Band 5			1	0	Bottom of Laptop*	0	20600	844	24.00	23.95	101.16%	0.94	0.950	-
LTE Band 7	20MHz	QPSK	1	0	Bottom of Laptop	0	20850	2510	22.00	21.81	104.47%	0.96	1.004	-
LTE Band 7			1	0	Bottom of Laptop	0	21100	2535	22.00	21.91	102.09%	0.96	0.975	-
LTE Band 7			1	0	Bottom of Laptop	0	21350	2560	22.00	21.94	101.39%	0.98	0.997	012
LTE Band 7			50	0	Bottom of Laptop	0	20850	2510	21.00	20.67	107.89%	0.73	0.792	-
LTE Band 7			50	50	Bottom of Laptop	0	21100	2535	21.00	20.76	105.68%	0.77	0.811	-
LTE Band 7			50	50	Bottom of Laptop	0	21350	2560	21.00	20.73	106.41%	0.75	0.799	-
LTE Band 7			100RB		Bottom of Laptop	0	21100	2535	21.00	20.73	106.41%	0.74	0.792	-
LTE Band 7			1	0	Front Edge of Laptop	0	21350	2560	24.00	23.51	111.94%	0.59	0.658	029
LTE Band 7			50	50	Front Edge of Laptop	0	21350	2560	23.00	22.31	117.22%	0.41	0.483	-
LTE Band 7			1	0	Bottom of Laptop	0	21350	2560	24.00	23.51	111.94%	0.96	1.069	-
LTE Band 7			1	0	Bottom of Laptop*	0	20850	2510	24.00	23.42	114.29%	0.90	1.032	-
LTE Band 12	10MHz	QPSK	1	0	Bottom of Laptop	0	23060	704	25.00	23.94	127.64%	0.85	1.079	-
LTE Band 12			1	0	Bottom of Laptop	0	23095	707.5	25.00	23.97	126.77%	0.88	1.119	-
LTE Band 12			1	0	Bottom of Laptop	0	23130	711	25.00	24.09	123.31%	0.92	1.130	013
LTE Band 12			25	12	Bottom of Laptop	0	23060	704	24.00	22.80	131.83%	0.72	0.950	-
LTE Band 12			25	0	Bottom of Laptop	0	23095	707.5	24.00	22.81	131.52%	0.75	0.986	-
LTE Band 12			25	0	Bottom of Laptop	0	23130	711	24.00	22.88	129.42%	0.73	0.950	-
LTE Band 12			50RB		Bottom of Laptop	0	23095	707.5	24.00	22.78	132.43%	0.74	0.985	-
LTE Band 12			1	0	Front Edge of Laptop	0	23130	711	25.00	24.09	123.31%	0.34	0.413	030
LTE Band 12			25	0	Front Edge of Laptop	0	23130	711	24.00	22.88	129.42%	0.31	0.402	-
LTE Band 12			1	0	Bottom of Laptop	0	23130	711	25.00	24.09	123.31%	0.90	1.113	-
LTE Band 12			1	0	Bottom of Laptop*	0	23130	711	25.00	24.09	123.31%	0.83	1.019	-
LTE Band 13	10MHz	QPSK	1	0	Bottom of Laptop	0	23230	782	25.00	24.34	116.41%	1.00	1.159	014
LTE Band 13			25	12	Bottom of Laptop	0	23230	782	24.00	23.30	117.49%	0.83	0.980	-
LTE Band 13			50RB		Bottom of Laptop	0	23230	782	24.00	23.01	125.60%	0.82	1.027	-
LTE Band 13			1	0	Front Edge of Laptop	0	23230	782	25.00	24.34	116.41%	0.39	0.459	031
LTE Band 13			25	12	Front Edge of Laptop	0	23230	782	24.00	23.30	117.49%	0.33	0.389	-
LTE Band 13			1	0	Bottom of Laptop	0	23230	782	25.00	24.34	116.41%	0.98	1.146	-
LTE Band 13			1	0	Bottom of Laptop*	0	23230	782	25.00	24.34	116.41%	0.86	1.006	-
LTE Band 14	10MHz	QPSK	1	0	Bottom of Laptop	0	23330	793	25.00	24.26	118.58%	1.01	1.198	015
LTE Band 14			25	12	Bottom of Laptop	0	23330	793	24.00	22.96	127.06%	0.83	1.057	-
LTE Band 14			50RB		Bottom of Laptop	0	23330	793	24.00	22.86	130.02%	0.85	1.106	-
LTE Band 14			1	0	Front Edge of Laptop	0	23330	793	25.00	24.26	118.58%	0.44	0.521	032
LTE Band 14			25	12	Front Edge of Laptop	0	23330	793	24.00	22.96	127.06%	0.38	0.484	-
LTE Band 14			1	0	Bottom of Laptop	0	23330	793	25.00	24.26	118.58%	0.99	1.179	-
LTE Band 14			1	0	Bottom of Laptop*	0	23330	793	25.00	24.26	118.58%	0.95	1.128	-
LTE Band 17	10MHz	QPSK	1	0	Bottom of Laptop	0	23780	709	25.00	23.95	127.35%	0.92	1.170	016
LTE Band 17			1	0	Bottom of Laptop	0	23790	710	25.00	23.91	128.53%	0.88	1.134	-
LTE Band 17			1	0	Bottom of Laptop	0	23800	711	25.00	23.94	127.64%	0.90	1.144	-
LTE Band 17			25	12	Bottom of Laptop	0	23780	709	24.00	22.77	132.74%	0.72	0.960	-
LTE Band 17			25	0	Bottom of Laptop	0	23790	710	24.00	22.89	129.12%	0.77	0.988	-
LTE Band 17			25	0	Bottom of Laptop	0	23800	711	24.00	22.88	129.42%	0.81	1.051	-
LTE Band 17			50RB		Bottom of Laptop	0	23780	709	24.00	22.74	133.66%	0.79	1.061	-
LTE Band 17			1	0	Front Edge of Laptop	0	23780	709	25.00	23.95	127.35%	0.42	0.530	033
LTE Band 17			25	0	Front Edge of Laptop	0	23790	710	24.00	22.89	129.12%	0.36	0.470	-
LTE Band 17			1	0	Bottom of Laptop	0	23780	709	25.00	23.95	127.35%	0.90	1.150	-
LTE Band 17			1	0	Bottom of Laptop*	0	23780	709	25.00	23.95	127.35%	0.84	1.075	-
LTE Band 17														
LTE Band 17														

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LTE Band 25	20MHz	QPSK	1	0	Bottom of Laptop	0	26140	1860	22.00	21.95	101.16%	1.03	1.042	017
LTE Band 25			1	0	Bottom of Laptop	0	26365	1882.5	22.00	21.93	101.62%	0.98	1.000	-
LTE Band 25			1	0	Bottom of Laptop	0	26590	1905	22.00	21.86	103.28%	1.00	1.033	-
LTE Band 25			50	25	Bottom of Laptop	0	26140	1860	21.00	20.73	106.41%	0.86	0.918	-
LTE Band 25			50	25	Bottom of Laptop	0	26365	1882.5	21.00	20.77	105.44%	0.88	0.927	-
LTE Band 25			50	25	Bottom of Laptop	0	26590	1905	21.00	20.67	107.89%	0.84	0.911	-
LTE Band 25			100RB		Bottom of Laptop	0	26365	1882.5	21.00	20.67	107.89%	0.82	0.886	-
LTE Band 25			1	0	Front Edge of Laptop	0	26140	1860	24.00	23.53	111.43%	0.42	0.462	034
LTE Band 25			50	25	Front Edge of Laptop	0	26590	1905	23.00	22.29	117.76%	0.38	0.442	-
LTE Band 25			1	0	Bottom of Laptop	0	26140	1860	22.00	21.95	101.16%	1.02	1.032	-
LTE Band 25			1	0	Bottom of Laptop*	0	26140	1860	22.00	21.95	101.16%	0.98	0.986	-
LTE Band 26_FCC	15MHz	QPSK	1	0	Bottom of Laptop	0	26765	821.5	24.00	23.95	101.16%	1.08	1.093	018
LTE Band 26_FCC			1	0	Bottom of Laptop	0	26865	831.5	24.00	23.89	102.57%	1.03	1.056	-
LTE Band 26_FCC			1	0	Bottom of Laptop	0	26965	841.5	24.00	23.82	104.23%	1.01	1.053	-
LTE Band 26_FCC			36	0	Bottom of Laptop	0	26765	821.5	23.00	22.78	105.20%	0.98	1.028	-
LTE Band 26_FCC			36	37	Bottom of Laptop	0	26865	831.5	23.00	22.80	104.71%	0.98	1.025	-
LTE Band 26_FCC			36	0	Bottom of Laptop	0	26965	841.5	23.00	22.74	106.17%	0.95	1.011	-
LTE Band 26_FCC			75RB		Bottom of Laptop	0	26765	821.5	23.00	22.79	104.95%	0.94	0.987	-
LTE Band 26_FCC			1	0	Front Edge of Laptop	0	26765	821.5	25.00	24.36	115.88%	0.35	0.404	035
LTE Band 26_FCC			36	18	Front Edge of Laptop	0	26765	821.5	24.00	23.10	123.03%	0.31	0.384	-
LTE Band 26_FCC			1	0	Bottom of Laptop	0	26765	821.5	24.00	23.95	101.16%	1.04	1.052	-
LTE Band 26_FCC			1	0	Bottom of Laptop*	0	26765	821.5	24.00	23.95	101.16%	1.01	1.022	-
LTE Band 30	10MHz	QPSK	1	0	Bottom of Laptop	0	27710	2310	20.00	19.90	102.33%	0.93	0.953	020
LTE Band 30			25	0	Bottom of Laptop	0	27710	2310	19.00	18.76	105.68%	0.83	0.874	-
LTE Band 30			50RB		Bottom of Laptop	0	27710	2310	19.00	18.73	106.41%	0.81	0.863	-
LTE Band 30			1	0	Front Edge of Laptop	0	27710	2310	23.00	22.39	115.08%	0.76	0.869	037
LTE Band 30			25	12	Front Edge of Laptop	0	27710	2310	22.00	21.15	121.62%	0.68	0.823	-
LTE Band 30			50RB		Front Edge of Laptop	0	27710	2310	22.00	21.03	125.03%	0.67	0.843	-
LTE Band 30			1	0	Bottom of Laptop	0	27710	2310	20.00	19.90	102.33%	0.92	0.939	-
LTE Band 30			1	0	Bottom of Laptop*	0	27710	2310	20.00	19.90	102.33%	0.88	0.898	-
LTE Band 66	20MHz	QPSK	1	0	Bottom of Laptop	0	132072	1720	21.00	20.83	103.99%	0.97	1.004	-
LTE Band 66			1	0	Bottom of Laptop	0	132322	1745	21.00	20.87	103.04%	1.00	1.030	021
LTE Band 66			1	0	Bottom of Laptop	0	132572	1770	21.00	20.81	104.47%	0.96	1.002	-
LTE Band 66			50	50	Bottom of Laptop	0	132072	1720	20.00	19.75	105.93%	0.83	0.882	-
LTE Band 66			50	50	Bottom of Laptop	0	132322	1745	20.00	19.74	106.17%	0.82	0.870	-
LTE Band 66			50	0	Bottom of Laptop	0	132572	1770	20.00	19.64	108.64%	0.84	0.916	-
LTE Band 66			100RB		Bottom of Laptop	0	132572	1770	20.00	19.76	105.68%	0.81	0.857	-
LTE Band 66			1	0	Front Edge of Laptop	0	132322	1745	24.00	23.02	125.31%	0.37	0.466	038
LTE Band 66			50	50	Front Edge of Laptop	0	132572	1770	23.00	21.79	132.13%	0.33	0.437	-
LTE Band 66			1	0	Bottom of Laptop	0	132322	1745	21.00	20.87	103.04%	0.99	1.021	-
LTE Band 66			1	0	Bottom of Laptop*	0	132322	1745	21.00	20.87	103.04%	0.79	0.817	-
LTE Band 71	20MHz	QPSK	1	0	Bottom of Laptop	0	133222	673	25.00	24.12	122.46%	0.39	0.479	022
LTE Band 71			50	0	Bottom of Laptop	0	133372	688	24.00	22.98	126.47%	0.34	0.424	-
LTE Band 71			1	0	Front Edge of Laptop	0	133222	673	25.00	24.12	122.46%	0.34	0.411	039
LTE Band 71			50	0	Front Edge of Laptop	0	133372	688	24.00	22.98	126.47%	0.27	0.347	-
LTE Band 71			1	0	Bottom of Laptop*	0	133222	673	25.00	24.12	122.46%	0.03	0.039	-
LTE Band 38			1	0	Bottom of Laptop	0	38150	2610	24.00	23.03	125.03%	0.61	0.760	023
LTE Band 38			50	50	Bottom of Laptop	0	37850	2580	23.00	21.91	128.53%	0.48	0.611	-
LTE Band 38			1	0	Front Edge of Laptop	0	38150	2610	24.00	23.03	125.03%	0.51	0.635	040
LTE Band 38			50	50	Front Edge of Laptop	0	37850	2580	23.00	21.91	128.53%	0.04	0.055	-
LTE Band 38			1	0	Bottom of Laptop*	0	38150	2610	24.00	23.03	125.03%	0.06	0.073	-
LTE Band 41	20MHz	QPSK	1	0	Bottom of Laptop	0	39750	2506	24.00	22.90	128.82%	0.66	0.849	-
LTE Band 41			1	0	Bottom of Laptop	0	40185	2549.5	24.00	22.89	129.12%	0.67	0.860	-
LTE Band 41			1	0	Bottom of Laptop	0	40620	2593	24.00	22.93	127.94%	0.62	0.794	-
LTE Band 41			1	0	Bottom of Laptop	0	41055	2636.5	24.00	22.98	126.47%	0.67	0.852	-
LTE Band 41			1	0	Bottom of Laptop	0	41490	2680	24.00	23.07	123.88%	0.71	0.873	024
LTE Band 41			50	0	Bottom of Laptop	0	41490	2680	23.00	21.85	130.32%	0.59	0.774	-
LTE Band 41			100RB		Bottom of Laptop	0	40620	2593	23.00	21.82	131.22%	0.58	0.765	-
LTE Band 41			1	0	Front Edge of Laptop	0	39750	2506	24.00	22.90	128.82%	0.88	1.136	-
LTE Band 41			1	0	Front Edge of Laptop	0	40185	2549.5	24.00	22.89	129.12%	0.86	1.113	-
LTE Band 41			1	0	Front Edge of Laptop	0	40620	2593	24.00	22.93	127.94%	0.86	1.098	-
LTE Band 41			1	0	Front Edge of Laptop	0	41055	2636.5	24.00	22.98	126.47%	0.83	1.048	-
LTE Band 41			1	0	Front Edge of Laptop	0	41490	2680	24.00	23.07	123.88%	0.92	1.137	041
LTE Band 41			50	25	Front Edge of Laptop	0	39750	2506	23.00	21.71	134.59%	0.71	0.957	-
LTE Band 41			50	0	Front Edge of Laptop	0	40185	2549.5	23.00	21.80	131.83%	0.80	1.056	-
LTE Band 41			50	50	Front Edge of Laptop	0	40620	2593	23.00	21.65	136.46%	0.76	1.034	-
LTE Band 41			50	25	Front Edge of Laptop	0	41055	2636.5	23.00	21.80	131.83%	0.77	1.020	-
LTE Band 41			50	0	Front Edge of Laptop	0	41490	2680	23.00	21.85	130.32%	0.81	1.058	-
LTE Band 41			100RB		Front Edge of Laptop	0	40620	2593	23.00	21.82	131.22%	0.77	1.008	-
LTE Band 41			1	0	Front Edge of Laptop	0	41490	2680	24.00	23.07	123.88%	0.90	1.119	-
LTE Band 41			1	0	Front Edge of Laptop*	0	41490	2680	24.00	23.07	123.88%	0.86	1.059	-
LTE Band 48	20MHz	QPSK	1	0	Bottom of Laptop	0	55830	3609	22.00	21.48	112.72%	0.46	0.521	025
LTE Band 48			50	0	Bottom of Laptop	0	56640	3690	21.00	19.72	134.28%	0.38	0.505	-
LTE Band 48			1	0	Front Edge of Laptop	0	55340	3560	22.00	21.23	119.40%	0.97	1.152	-
LTE Band 48			1	0	Front Edge of Laptop	0	55830	3609	22.00	21.48	112.72%	1.06	1.195	042
LTE Band 48			1	0	Front Edge of Laptop	0	56150	3641	22.00	21.24	119.12%	0.99	1.177	-
LTE Band 48			1	0	Front Edge of Laptop	0	56640	3690	22.00	21.27	118.30%	1.00	1.183	-
LTE Band 48			50	25	Front Edge of Laptop	0	55340	3560	21.00	19.66	136.14%	0.83	1.123	-
LTE Band 48			50	50	Front Edge of Laptop	0	55830	3609	21.00	19.57	139.00%	0.79	1.104	-
LTE Band 48			50	0	Front Edge of Laptop	0	56150	3641	21.00	19.70	134.90%	0.83	1.121	-
LTE Band 48			50	0	Front Edge of Laptop	0	56640	3690	21.00	19.72	134.28%	0.86	1.148	-
LTE Band 48			100RB		Front Edge of Laptop	0	56150	3641	21.00	19.75	133.35%	0.82	1.095	-
LTE Band 48			1	0	Front Edge of Laptop	0	55830	3609	22.00	21.48	112.72%	1.00	1.122	-
LTE Band 48			1	0	Front Edge of Laptop*	0	56640	3690	22.00	21.48	112.72%	0.96	1.080	-

Note: \* - INPAQ Spot check

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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Band	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)		ID
												Measured	Reported	
LTE Band 2	20MHz	QPSK	1	0	Bottom of Laptop	19	18700	1860	24.00	23.41	114.55%	0.34	0.391	043
LTE Band 2			1	0	Bottom of Laptop	19	18900	1880	24.00	23.36	115.88%	0.28	0.328	-
LTE Band 2			1	0	Bottom of Laptop	19	19100	1900	24.00	23.27	116.30%	0.30	0.349	-
LTE Band 2			50	0	Bottom of Laptop	19	18900	1860	23.00	22.08	123.59%	0.27	0.336	-
LTE Band 2			1	0	Bottom of Laptop*	19	18700	1860	24.00	23.41	114.55%	0.30	0.347	-
LTE Band 4	20MHz	QPSK	1	0	Bottom of Laptop	19	20050	1720	24.00	23.36	115.88%	0.20	0.233	-
LTE Band 4			1	0	Bottom of Laptop	19	20175	1732.5	24.00	23.55	110.92%	0.19	0.214	-
LTE Band 4			1	0	Bottom of Laptop	19	20300	1745	24.00	23.62	109.14%	0.22	0.240	044
LTE Band 4			50	25	Bottom of Laptop	19	20050	1720	23.00	22.25	118.85%	0.17	0.196	-
LTE Band 4			1	0	Bottom of Laptop*	19	20300	1745	24.00	23.62	109.14%	0.21	0.230	-
LTE Band 5	10MHz	QPSK	1	0	Bottom of Laptop	19	20450	829	25.00	24.25	118.85%	0.32	0.382	-
LTE Band 5			1	0	Bottom of Laptop	19	20525	836.5	25.00	24.22	119.67%	0.33	0.400	-
LTE Band 5			1	0	Bottom of Laptop	19	20600	844	25.00	24.37	115.61%	0.36	0.412	045
LTE Band 5			25	0	Bottom of Laptop	19	20600	844	24.00	23.13	122.18%	0.31	0.373	-
LTE Band 5			1	0	Bottom of Laptop*	19	20600	844	25.00	24.37	115.61%	0.35	0.405	-
LTE Band 7	20MHz	QPSK	1	0	Bottom of Laptop	19	20850	2510	24.00	23.42	114.29%	0.24	0.269	-
LTE Band 7			1	0	Bottom of Laptop	19	21100	2535	24.00	23.50	112.20%	0.22	0.246	-
LTE Band 7			1	0	Bottom of Laptop	19	21350	2560	24.00	23.51	111.94%	0.26	0.285	046
LTE Band 7			50	50	Bottom of Laptop	19	21350	2560	23.00	22.31	117.22%	0.19	0.226	-
LTE Band 7			1	0	Bottom of Laptop*	19	21350	2560	24.00	23.51	111.94%	0.22	0.250	-
LTE Band 25	20MHz	QPSK	1	0	Bottom of Laptop	19	26140	1860	24.00	23.53	111.43%	0.14	0.154	047
LTE Band 25			1	0	Bottom of Laptop	19	26365	1882.5	24.00	23.52	111.69%	0.12	0.135	-
LTE Band 25			1	0	Bottom of Laptop	19	26590	1905	24.00	23.57	115.61%	0.13	0.151	-
LTE Band 25			50	25	Bottom of Laptop	19	26590	1905	23.00	22.29	117.76%	0.10	0.120	-
LTE Band 25			1	0	Bottom of Laptop*	19	26140	1860	24.00	23.53	111.43%	0.12	0.128	-
LTE Band 26_FCC	15MHz	QPSK	1	0	Bottom of Laptop	19	26765	821.5	25.00	24.36	115.88%	0.01	0.009	048
LTE Band 26_FCC			1	0	Bottom of Laptop	19	26865	831.5	25.00	24.29	117.76%	0.01	0.009	-
LTE Band 26_FCC			1	0	Bottom of Laptop	19	26965	841.5	25.00	24.19	120.50%	0.01	0.007	-
LTE Band 26_FCC			36	18	Bottom of Laptop	19	26765	821.5	24.00	23.10	123.03%	0.00	0.006	-
LTE Band 26_FCC			1	0	Bottom of Laptop*	19	26765	821.5	25.00	24.36	115.88%	0.01	0.009	-
LTE Band 30	10MHz	QPSK	1	0	Bottom of Laptop	19	27710	2310	23.00	22.39	115.08%	0.17	0.191	050
LTE Band 30			25	12	Bottom of Laptop	19	27710	2310	22.00	21.15	121.62%	0.12	0.151	-
LTE Band 30			1	0	Bottom of Laptop*	19	27710	2310	23.00	22.39	115.08%	0.16	0.184	-
LTE Band 66	20MHz	QPSK	1	0	Bottom of Laptop	19	132072	1720	24.00	22.90	128.82%	0.31	0.401	-
LTE Band 66			1	0	Bottom of Laptop	19	132322	1745	24.00	23.02	125.31%	0.35	0.441	051
LTE Band 66			1	0	Bottom of Laptop	19	132572	1770	24.00	22.85	130.32%	0.33	0.429	-
LTE Band 66			50	50	Bottom of Laptop	19	132572	1770	23.00	21.79	132.13%	0.29	0.377	-
LTE Band 66			1	0	Bottom of Laptop*	19	132322	1745	24.00	23.02	125.31%	0.31	0.385	-

Note: \* - INPAQ Spot check

### Note:

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

## 6.3 Reporting statements of conformity

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

## 6.4 Conclusion

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

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## 7 INSTRUMENTS LIST

Equipment List					
Manufacturer	Device	Type	Serial number	Date of last calibration	Date of next calibration
SPEAG	Data acquisition Electronics	DAE4	1665	Feb/15/2024	Feb/14/2025
SPEAG	Dosimetric E-Field Probe	EX3DV4	7686	Oct/07/2024	Oct/06/2025
SPEAG	System Validation Dipole	D750V3	1015	Sep/27/2024	Sep/26/2025
SPEAG	System Validation Dipole	D835V2	4d063	Sep/16/2024	Sep/15/2025
SPEAG	System Validation Dipole	D1750V2	1158	Aug/20/2024	Aug/19/2025
SPEAG	System Validation Dipole	D1900V2	5d056	Aug/19/2024	Aug/18/2025
SPEAG	System Validation Dipole	D2300V2	1009	Aug/22/2024	Aug/21/2025
SPEAG	System Validation Dipole	D2600V2	1005	Jan/22/2024	Jan/21/2025
SPEAG	System Validation Dipole	D3500V2	1017	Aug/22/2024	Aug/21/2025
SPEAG	System Validation Dipole	D3700V2	1074	Jan/23/2024	Jan/22/2025
SPEAG	Dielectric Assessment Kit	DAK-3.5	1342	May/21/2024	May/20/2025
R&S	MXG Analog Signal Generator	SMB100A03	182012	May/21/2024	May/20/2025
Agilent	Dual-directional coupler	772D	MY52180142	Oct/30/2024	Oct/29/2025
Agilent	Dual-directional coupler	778D	MY52180302	Nov/06/2024	Nov/05/2025
EMCI	Amplifier	ZHL-42	980189	Calibration not required	Calibration not required
EMCI	Amplifier	ZVE-8G	980190	Calibration not required	Calibration not required
R&S	Power Sensor	NRP18S	101973	Feb/27/2024	Feb/26/2025
R&S	Power Meter	NRX	102191	Feb/27/2024	Feb/26/2025
R&S	Power Sensor	NRP18S	101974	Nov/11/2024	Nov/10/2025
Agilent	Network Analyzer	E5071C	MY46107530	May/03/2024	May/02/2025
Keysight	Economy calibration kit	85032E	MY61410221	May/29/2024	May/28/2025
SPEAG	Software	DASY 52 V52.10.4.152 7	N/A	Calibration not required	Calibration not required
SPEAG	Phantom	ELI	N/A	Calibration not required	Calibration not required
Anritsu	Radio Communication Test	MT8820C	6201061014	Aug/29/2024	Aug/28/2025
LKM	Digital thermometer	DTM3000	EC14010603	Nov/11/2024	Nov/10/2025
TECEP	Digital thermometer	DTM-303A	TP130077	Oct/14/2024	Oct/13/2025

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## 8 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
<b>Measurement system</b>									
Probe calibration	6.55%	N	1	1	1	1	6.55%	6.55%	∞
<i>Isotropy, Axial</i>	3.50%	R	√3	1.732	1	1	2.02%	2.02%	∞
<i>Isotropy, Hemispherical</i>	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%	∞
<b>Measurement drift (class A evaluation)</b>	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%	∞
<b>Test Sample related</b>									
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%	∞
<b>Phantom and Setup</b>									
Phantom Uncertainty	4.00%	R	√3	1.732	1	1	2.31%	2.31%	∞
Liquid permittivity (mea.)	2.57%	N	1	1	0.64	0.43	1.64%	1.11%	M
Liquid Conductivity (mea.)	2.16%	N	1	1	0.6	0.49	1.30%	1.06%	M
Combined standard uncertainty		RSS					11.90%	11.81%	
Expan uncertainty (95% confidence interval), K=2							23.80%	23.61%	

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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
<b>Measurement system</b>									
Probe calibration	6.00%	N	1	1	1	1	6.00%	6.00%	∞
<b>Isotropy , Axial</b>	3.50%	R	$\sqrt{3}$	1.732	1	1	2.02%	2.02%	∞
<b>Isotropy, Hemispherical</b>	9.60%	R	$\sqrt{3}$	1.732	1	1	5.54%	5.54%	∞
Modulation Response	2.40%	R	$\sqrt{3}$	1.732	1	1	1.40%	1.40%	∞
Boundary Effect	1.00%	R	$\sqrt{3}$	1.732	1	1	0.58%	0.58%	∞
Linearity	4.70%	R	$\sqrt{3}$	1.732	1	1	2.71%	2.71%	∞
Detection Limits	1.00%	R	$\sqrt{3}$	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	$\sqrt{3}$	1.732	1	1	0.46%	0.46%	∞
Integration Time	2.60%	R	$\sqrt{3}$	1.732	1	1	1.50%	1.50%	∞
<b>Measurement drift (class A evaluation)</b>	1.75%	R	$\sqrt{3}$	1.732	1	1	1.01%	1.01%	∞
RF ambient condition - noise	3.00%	R	$\sqrt{3}$	1.732	1	1	1.73%	1.73%	∞
RF ambient conditions - reflections	3.00%	R	$\sqrt{3}$	1.732	1	1	1.73%	1.73%	∞
Probe positioner	0.40%	R	$\sqrt{3}$	1.732	1	1	0.23%	0.23%	∞
Mechanical restrictions									
Probe Positioning with respect to phantom shell	2.90%	R	$\sqrt{3}$	1.732	1	1	1.67%	1.67%	∞
Post-processing	1.00%	R	$\sqrt{3}$	1.732	1	1	0.58%	0.58%	∞
Max SAR Eval	1.00%	R	$\sqrt{3}$	1.732	1	1	0.58%	0.58%	∞
<b>Test Sample related</b>									
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	$\sqrt{3}$	1.732	1	1	2.89%	2.89%	∞
<b>Phantom and Setup</b>									
Phantom Uncertainty	4.00%	R	$\sqrt{3}$	1.732	1	1	2.31%	2.31%	∞
Liquid permittivity (mea.)	2.49%	N	1	1	0.64	0.43	1.59%	1.07%	M
Liquid Conductivity (mea.)	4.19%	N	1	1	0.6	0.49	2.51%	2.05%	M
Combined standard uncertainty		RSS					11.80%	11.64%	
Expan uncertainty (95% confidence interval), K=2							23.60%	23.28%	

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## 9 SAR MEASUREMENT RESULTS

Date: 2024/12/12

ID: 001

Report No.: TESA2411000808ES

WCDMA Band II\_Body\_Bottom of Laptop\_CH 9400\_0mm\_Reduced

Communication System: WCDMA; Frequency: 1880 MHz; Duty cycle= 1:1

Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.448 \text{ S/m}$ ;  $\epsilon_r = 40.906$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 22.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7686; ConvF(8.34, 7.64, 7.97) @ 1880 MHz; Calibrated: 2024/10/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1665; Calibrated: 2024/2/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Area Scan (71x81x1):** Interpolated grid:  $dx=15 \text{ mm}$ ,  $dy=15 \text{ mm}$ 

Maximum value of SAR (interpolated) = 1.39 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ 

Reference Value = 36.08 V/m; Power Drift = 0.04 dB

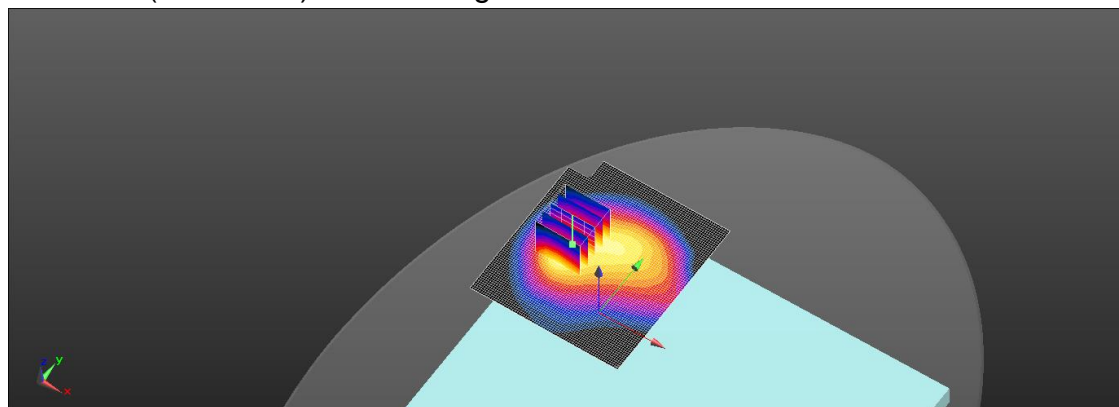
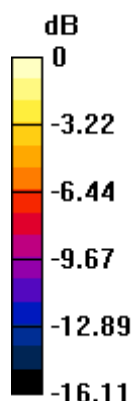
Peak SAR (extrapolated) = 1.45 W/kg

**SAR(1 g) = 0.998 W/kg; SAR(10 g) = 0.616 W/kg**

Smallest distance from peaks to all points 3 dB below = 10.7 mm

Ratio of SAR at M2 to SAR at M1 = 61.4%

Maximum value of SAR (measured) = 1.26 W/kg



0 dB = 1.26 W/kg = 1.00 dBW/kg

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Date: 2024/12/12

ID: 002

Report No. :TESA2411000808ES

WCDMA Band IV\_Body\_Bottom of Laptop\_CH 1412\_0mm\_Reduced

Communication System: WCDMA; Frequency: 1732.4 MHz; Duty cycle= 1:1

Medium parameters used:  $f = 1732.4$  MHz;  $\sigma = 1.4$  S/m;  $\epsilon_r = 41.012$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 22.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7686; ConvF(8.55, 7.83, 8.17) @ 1732.4 MHz; Calibrated: 2024/10/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1665; Calibrated: 2024/2/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Area Scan (71x81x1):** Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 1.44 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 36.59 V/m; Power Drift = 0.06 dB

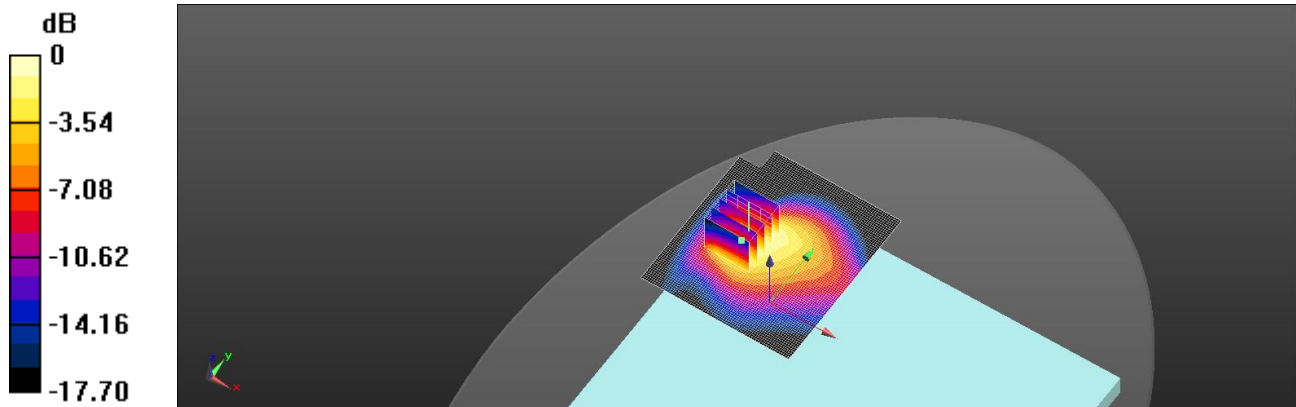
Peak SAR (extrapolated) = 1.49 W/kg

**SAR(1 g) = 1.05 W/kg; SAR(10 g) = 0.673 W/kg**

Smallest distance from peaks to all points 3 dB below = 10.1 mm

Ratio of SAR at M2 to SAR at M1 = 63.2%

Maximum value of SAR (measured) = 1.27 W/kg



0 dB = 1.27 W/kg = 1.03 dBW/kg

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Date: 2024/12/11

ID: 003

Report No. :TESA2411000808ES

WCDMA Band V\_Body\_Bottom of Laptop\_CH 4132\_0mm

Communication System: WCDMA; Frequency: 826.4 MHz; Duty cycle= 1:1

Medium parameters used:  $f = 826.4$  MHz;  $\sigma = 0.92$  S/m;  $\epsilon_r = 42.459$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Ambient temperature: 22.3°C; Liquid temperature: 22.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7686; ConvF(9.99, 9.15, 9.55) @ 826.4 MHz; Calibrated: 2024/10/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1665; Calibrated: 2024/2/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Area Scan (71x81x1):** Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 1.14 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 35.22 V/m; Power Drift = -0.08 dB

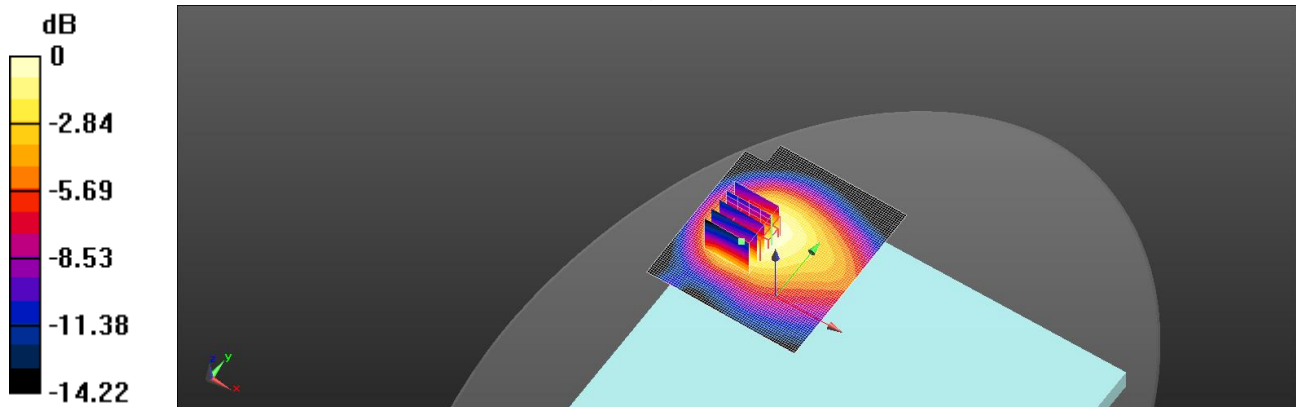
Peak SAR (extrapolated) = 1.32 W/kg

**SAR(1 g) = 0.881 W/kg; SAR(10 g) = 0.556 W/kg**

Smallest distance from peaks to all points 3 dB below = 24 mm

Ratio of SAR at M2 to SAR at M1 = 69%

Maximum value of SAR (measured) = 1.17 W/kg



0 dB = 1.17 W/kg = 0.69 dBW/kg

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Date: 2024/12/12

ID: 004

Report No. :TESA2411000808ES

WCDMA Band II\_Body\_Front Edge of Laptop\_CH 9400\_0mm

Communication System: WCDMA; Frequency: 1880 MHz; Duty cycle= 1:1

Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.448 \text{ S/m}$ ;  $\epsilon_r = 40.906$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 22.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7686; ConvF(8.34, 7.64, 7.97) @ 1880 MHz; Calibrated: 2024/10/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1665; Calibrated: 2024/2/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Area Scan (71x81x1):** Interpolated grid:  $dx=15 \text{ mm}$ ,  $dy=15 \text{ mm}$ 

Maximum value of SAR (interpolated) = 0.389 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ 

Reference Value = 11.98 V/m; Power Drift = -0.02 dB

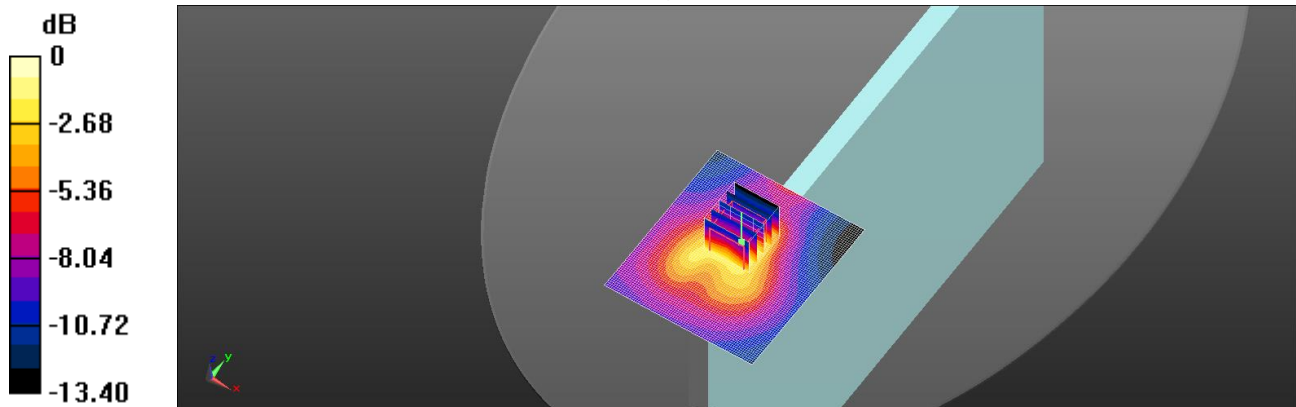
Peak SAR (extrapolated) = 0.438 W/kg

**SAR(1 g) = 0.244 W/kg; SAR(10 g) = 0.140 W/kg**

Smallest distance from peaks to all points 3 dB below = 15.2 mm

Ratio of SAR at M2 to SAR at M1 = 57.8%

Maximum value of SAR (measured) = 0.377 W/kg



0 dB = 0.377 W/kg = -4.23 dBW/kg

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Date: 2024/12/12

ID: 005

Report No. :TESA2411000808ES

WCDMA Band IV\_Body\_Front Edge of Laptop\_CH 1412\_0mm

Communication System: WCDMA; Frequency: 1732.4 MHz; Duty cycle= 1:1

Medium parameters used:  $f = 1732.4$  MHz;  $\sigma = 1.4$  S/m;  $\epsilon_r = 41.012$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 22.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7686; ConvF(8.55, 7.83, 8.17) @ 1732.4 MHz; Calibrated: 2024/10/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1665; Calibrated: 2024/2/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Area Scan (71x81x1):** Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 0.351 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.71 V/m; Power Drift = -0.04 dB

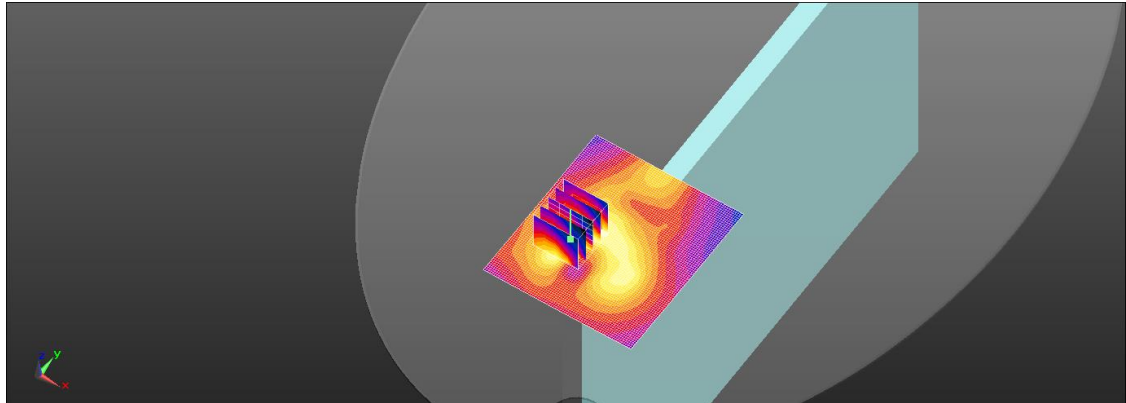
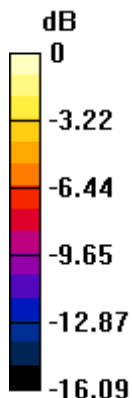
Peak SAR (extrapolated) = 0.404 W/kg

**SAR(1 g) = 0.257 W/kg; SAR(10 g) = 0.150 W/kg**

Smallest distance from peaks to all points 3 dB below = 10.2 mm

Ratio of SAR at M2 to SAR at M1 = 70.9%

Maximum value of SAR (measured) = 0.339 W/kg



0 dB = 0.339 W/kg = -4.70 dBW/kg

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Date: 2024/12/11

ID: 006

Report No. :TESA2411000808ES

WCDMA Band V\_Body\_Front Edge of Laptop\_CH 4132\_0mm

Communication System: WCDMA; Frequency: 826.4 MHz; Duty cycle= 1:1

Medium parameters used:  $f = 826.4$  MHz;  $\sigma = 0.92$  S/m;  $\epsilon_r = 42.459$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Ambient temperature: 22.3°C; Liquid temperature: 22.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7686; ConvF(9.99, 9.15, 9.55) @ 826.4 MHz; Calibrated: 2024/10/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1665; Calibrated: 2024/2/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Area Scan (71x81x1):** Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 0.412 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.81 V/m; Power Drift = 0.07 dB

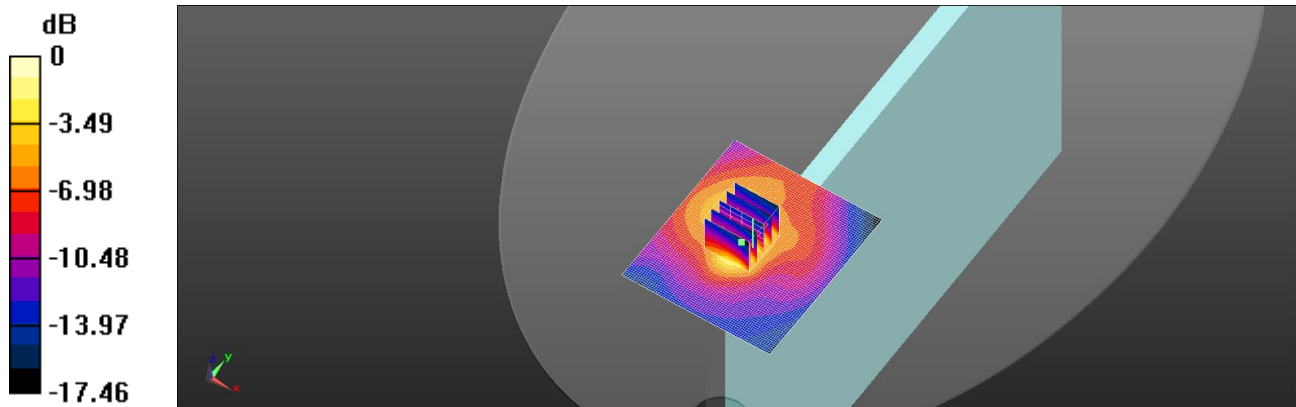
Peak SAR (extrapolated) = 0.767 W/kg

**SAR(1 g) = 0.336 W/kg; SAR(10 g) = 0.166 W/kg**

Smallest distance from peaks to all points 3 dB below = 12.4 mm

Ratio of SAR at M2 to SAR at M1 = 43.4%

Maximum value of SAR (measured) = 0.541 W/kg



0 dB = 0.541 W/kg = -2.67 dBW/kg

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Date: 2024/12/12

ID: 007

Report No. :TESA2411000808ES

WCDMA Band II\_Body\_Bottom of Laptop\_CH 9400\_19mm

Communication System: WCDMA; Frequency: 1880 MHz; Duty cycle= 1:1

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.448$  S/m;  $\epsilon_r = 40.906$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 22.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7686; ConvF(8.34, 7.64, 7.97) @ 1880 MHz; Calibrated: 2024/10/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1665; Calibrated: 2024/2/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Area Scan (71x81x1):** Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 0.569 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.82 V/m; Power Drift = -0.06 dB

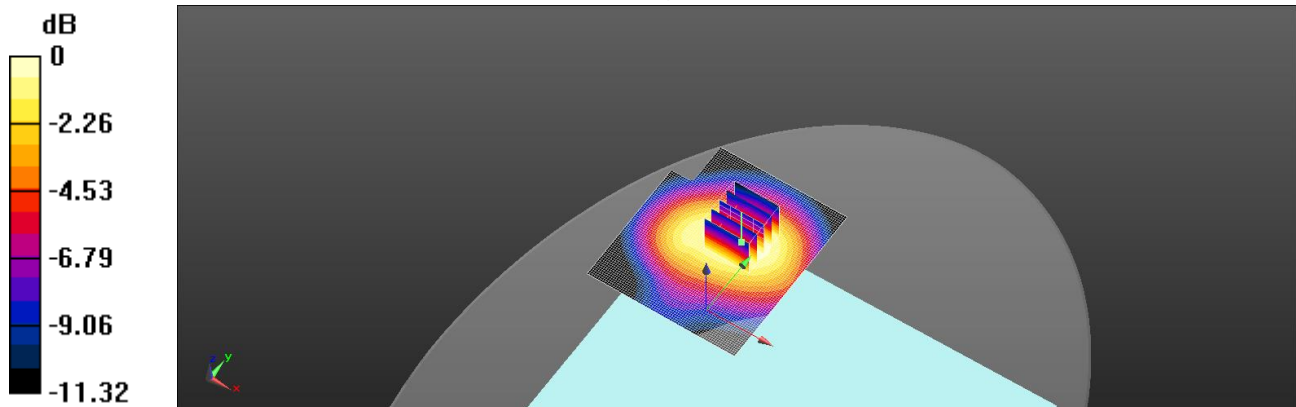
Peak SAR (extrapolated) = 0.604 W/kg

**SAR(1 g) = 0.450 W/kg; SAR(10 g) = 0.308 W/kg**

Smallest distance from peaks to all points 3 dB below = 13.6 mm

Ratio of SAR at M2 to SAR at M1 = 73.5%

Maximum value of SAR (measured) = 0.559 W/kg



0 dB = 0.559 W/kg = -2.52 dBW/kg

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Date: 2024/12/12

ID: 008

Report No. :TESA2411000808ES

WCDMA Band IV\_Body\_Bottom of Laptop\_CH 1412\_19mm

Communication System: WCDMA; Frequency: 1732.4 MHz; Duty cycle= 1:1

Medium parameters used:  $f = 1732.4$  MHz;  $\sigma = 1.4$  S/m;  $\epsilon_r = 41.012$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 22.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7686; ConvF(8.55, 7.83, 8.17) @ 1732.4 MHz; Calibrated: 2024/10/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1665; Calibrated: 2024/2/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Area Scan (71x81x1):** Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 0.548 W/kg

**Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.56 V/m; Power Drift = -0.03 dB

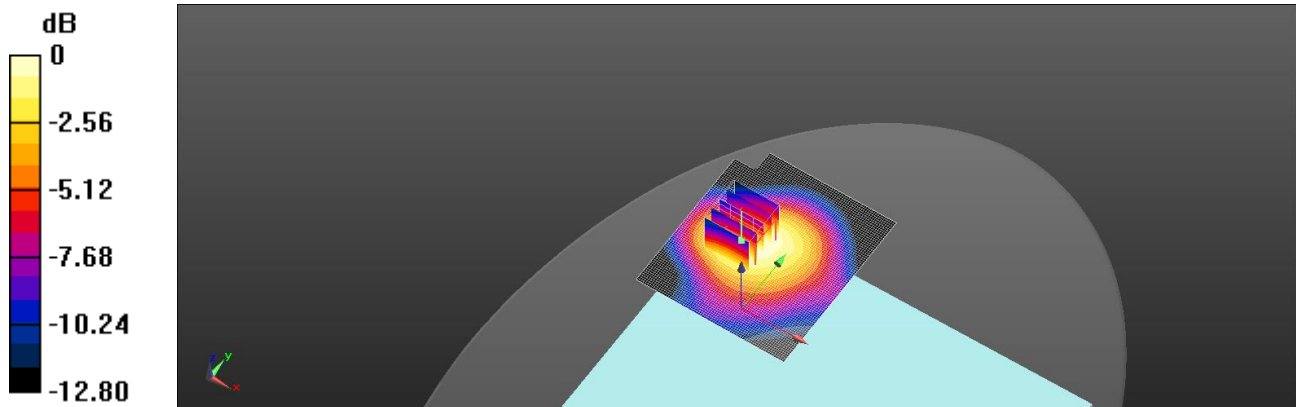
Peak SAR (extrapolated) = 0.600 W/kg

**SAR(1 g) = 0.430 W/kg; SAR(10 g) = 0.296 W/kg**

Smallest distance from peaks to all points 3 dB below = 18.1 mm

Ratio of SAR at M2 to SAR at M1 = 71.5%

Maximum value of SAR (measured) = 0.544 W/kg



0 dB = 0.544 W/kg = -2.64 dBW/kg

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Date: 2024/12/12

ID: 009

Report No. :TESA2411000808ES

LTE Band 2(20MHz)\_Body\_Bottom of Laptop\_CH 18700\_QPSK\_1-0\_0mm\_Reduced

Communication System: LTE; Frequency: 1860 MHz; Duty cycle= 1:1

Medium parameters used:  $f = 1860 \text{ MHz}$ ;  $\sigma = 1.446 \text{ S/m}$ ;  $\epsilon_r = 40.948$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 22.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7686; ConvF(8.34, 7.64, 7.97) @ 1860 MHz; Calibrated: 2024/10/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1665; Calibrated: 2024/2/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Area Scan (71x81x1):** Interpolated grid:  $dx=15 \text{ mm}$ ,  $dy=15 \text{ mm}$ 

Maximum value of SAR (interpolated) = 1.25 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ 

Reference Value = 31.90 V/m; Power Drift = -0.07 dB

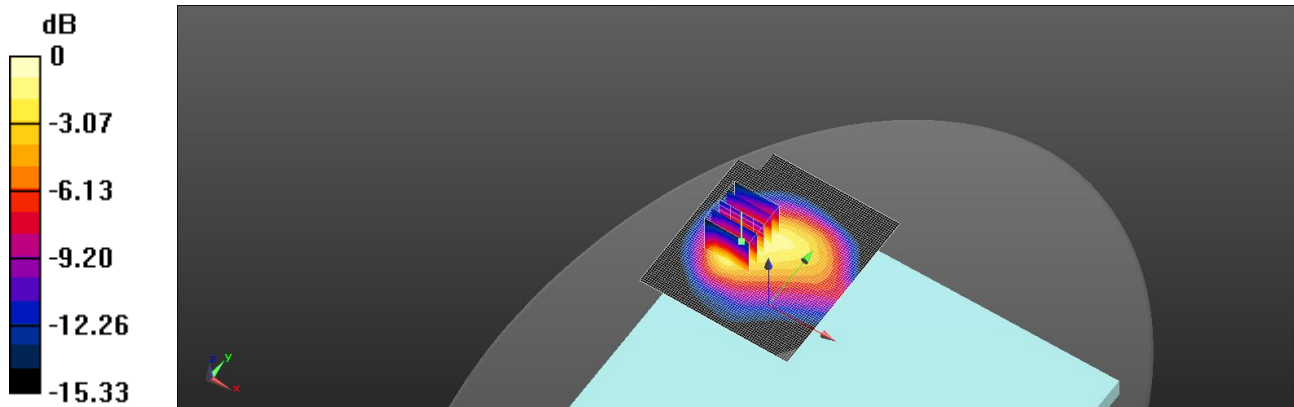
Peak SAR (extrapolated) = 1.32 W/kg

**SAR(1 g) = 0.931 W/kg; SAR(10 g) = 0.598 W/kg**

Smallest distance from peaks to all points 3 dB below = 11.3 mm

Ratio of SAR at M2 to SAR at M1 = 65.8%

Maximum value of SAR (measured) = 1.16 W/kg



0 dB = 1.16 W/kg = 0.66 dBW/kg

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Date: 2024/12/12

ID: 010

Report No. :TESA2411000808ES

LTE Band 4(20MHz)\_Body\_Bottom of Laptop\_CH 20300\_QPSK\_1-0\_0mm\_Reduced

Communication System: LTE; Frequency: 1745 MHz; Duty cycle= 1:1

Medium parameters used:  $f = 1745 \text{ MHz}$ ;  $\sigma = 1.409 \text{ S/m}$ ;  $\epsilon_r = 40.994$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 22.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7686; ConvF(8.55, 7.83, 8.17) @ 1745 MHz; Calibrated: 2024/10/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1665; Calibrated: 2024/2/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Area Scan (71x81x1):** Interpolated grid:  $dx=15 \text{ mm}$ ,  $dy=15 \text{ mm}$ 

Maximum value of SAR (interpolated) = 1.28 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ 

Reference Value = 29.35 V/m; Power Drift = -0.04 dB

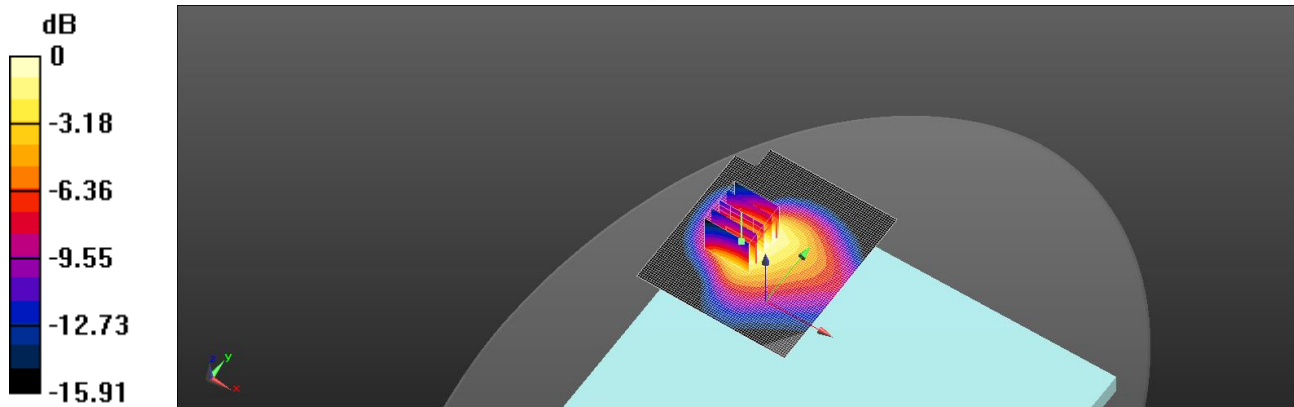
Peak SAR (extrapolated) = 1.33 W/kg

**SAR(1 g) = 0.936 W/kg; SAR(10 g) = 0.588 W/kg**

Smallest distance from peaks to all points 3 dB below = 12.5 mm

Ratio of SAR at M2 to SAR at M1 = 72.4%

Maximum value of SAR (measured) = 1.17 W/kg



0 dB = 1.17 W/kg = 0.69 dBW/kg

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Date: 2024/12/11

ID: 011

Report No. :TESA2411000808ES

LTE Band 5(10MHz)\_Body\_Bottom of Laptop\_CH 20600\_QPSK\_1-0\_0mm\_Reduced

Communication System: LTE; Frequency: 844 MHz; Duty cycle= 1:1

Medium parameters used:  $f = 844 \text{ MHz}$ ;  $\sigma = 0.93 \text{ S/m}$ ;  $\epsilon_r = 42.369$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

Ambient temperature: 22.3°C; Liquid temperature: 22.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7686; ConvF(9.99, 9.15, 9.55) @ 844 MHz; Calibrated: 2024/10/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1665; Calibrated: 2024/2/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Area Scan (71x81x1):** Interpolated grid:  $dx=15 \text{ mm}$ ,  $dy=15 \text{ mm}$ 

Maximum value of SAR (interpolated) = 1.17 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ 

Reference Value = 36.33 V/m; Power Drift = 0.03 dB

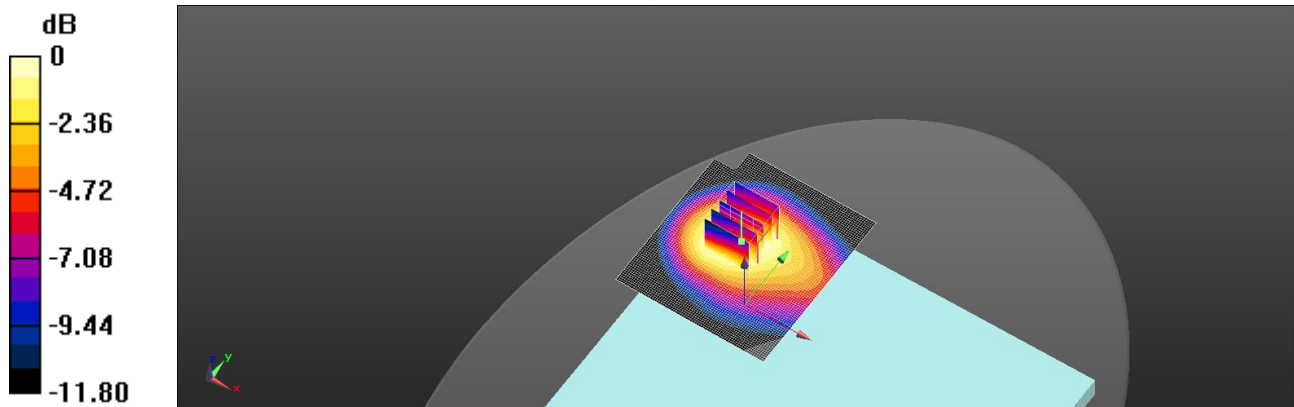
Peak SAR (extrapolated) = 1.29 W/kg

**SAR(1 g) = 0.985 W/kg; SAR(10 g) = 0.709 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 = 73.1%

Maximum value of SAR (measured) = 1.18 W/kg



0 dB = 1.18 W/kg = 0.72 dBW/kg

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Date: 2024/12/13

ID: 012

Report No. :TESA2411000808ES

LTE Band 7(20MHz)\_Body\_Bottom of Laptop\_CH 21350\_QPSK\_1-0\_0mm\_Reduced

Communication System: LTE; Frequency: 2560 MHz; Duty cycle= 1:1

Medium parameters used:  $f = 2560$  MHz;  $\sigma = 1.975$  S/m;  $\epsilon_r = 39.923$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Ambient temperature: 22.2°C; Liquid temperature: 22.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7686; ConvF(7.64, 7, 7.31) @ 2560 MHz; Calibrated: 2024/10/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1665; Calibrated: 2024/2/15
- 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) = 1.36 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 33.35 V/m; Power Drift = -0.01 dB

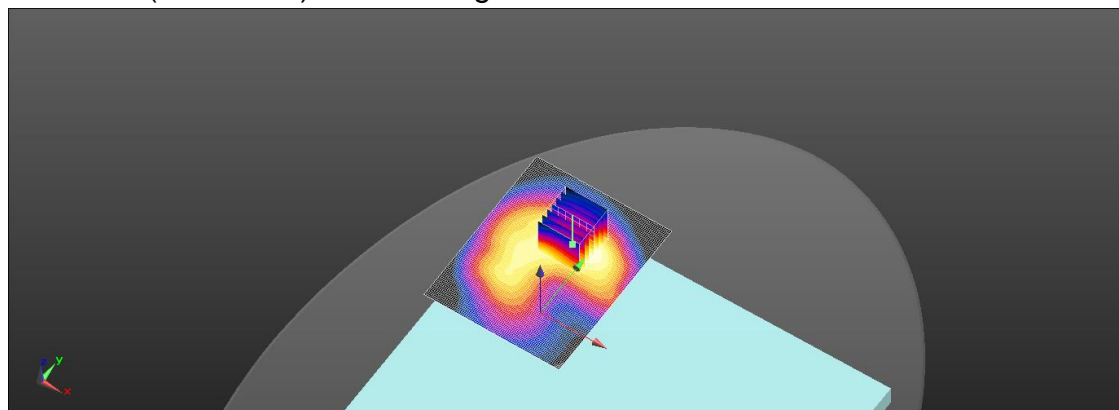
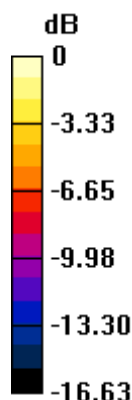
Peak SAR (extrapolated) = 1.44 W/kg

**SAR(1 g) = 0.983 W/kg; SAR(10 g) = 0.622 W/kg**

Smallest distance from peaks to all points 3 dB below = 13.2 mm

Ratio of SAR at M2 to SAR at M1 = 64.3%

Maximum value of SAR (measured) = 1.27 W/kg



0 dB = 1.27 W/kg = 1.04 dBW/kg

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Date: 2024/12/11

ID: 013

Report No. :TESA2411000808ES

LTE Band 12(10MHz)\_Body\_Bottom of Laptop\_CH 23130\_QPSK\_1-0\_0mm

Communication System: LTE; Frequency: 711 MHz; Duty cycle= 1:1

Medium parameters used:  $f = 711 \text{ MHz}$ ;  $\sigma = 0.902 \text{ S/m}$ ;  $\epsilon_r = 42.974$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

Ambient temperature: 22.3°C; Liquid temperature: 22.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7686; ConvF(10.49, 9.6, 10.03) @ 711 MHz; Calibrated: 2024/10/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1665; Calibrated: 2024/2/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Area Scan (71x81x1):** Interpolated grid:  $dx=15 \text{ mm}$ ,  $dy=15 \text{ mm}$ 

Maximum value of SAR (interpolated) = 1.11 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ 

Reference Value = 34.67 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.23 W/kg

**SAR(1 g) = 0.916 W/kg; SAR(10 g) = 0.653 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 = 76.6%

Maximum value of SAR (measured) = 1.11 W/kg

**Zoom Scan (5x5x7)/Cube 1:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ 

Reference Value = 34.67 V/m; Power Drift = -0.06 dB

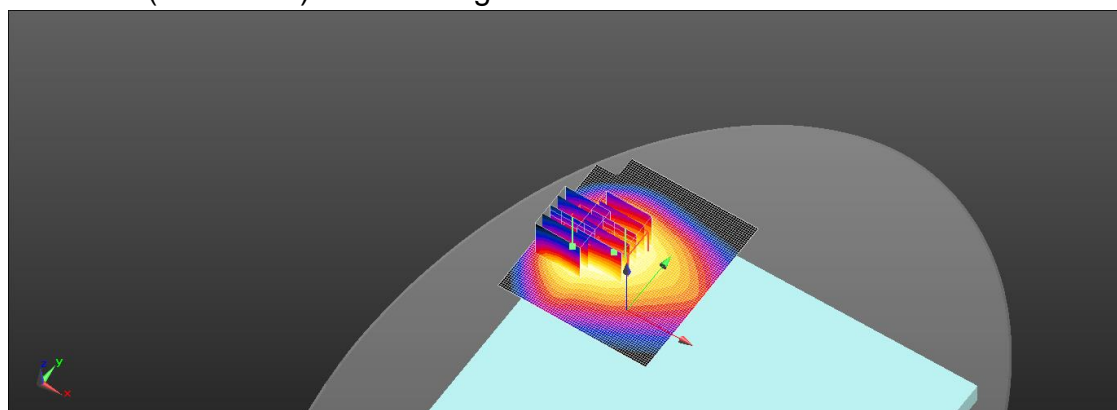
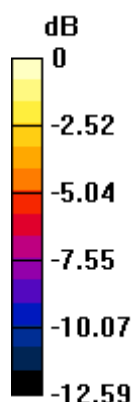
Peak SAR (extrapolated) = 1.28 W/kg

**SAR(1 g) = 0.802 W/kg; SAR(10 g) = 0.537 W/kg**

Smallest distance from peaks to all points 3 dB below = 12.9 mm

Ratio of SAR at M2 to SAR at M1 = 62.2%

Maximum value of SAR (measured) = 1.10 W/kg



0 dB = 1.10 W/kg = 0.40 dBW/kg

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Date: 2024/12/11

ID: 014

Report No. :TESA2411000808ES

LTE Band 13(10MHz)\_Body\_Bottom of Laptop\_CH 23230\_QPSK\_1-0\_0mm

Communication System: LTE; Frequency: 782 MHz; Duty cycle= 1:1

Medium parameters used:  $f = 782 \text{ MHz}$ ;  $\sigma = 0.909 \text{ S/m}$ ;  $\epsilon_r = 42.623$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

Ambient temperature: 22.3°C; Liquid temperature: 22.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7686; ConvF(10.49, 9.6, 10.03) @ 782 MHz; Calibrated: 2024/10/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1665; Calibrated: 2024/2/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Area Scan (71x81x1):** Interpolated grid:  $dx=15 \text{ mm}$ ,  $dy=15 \text{ mm}$ 

Maximum value of SAR (interpolated) = 1.23 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ 

Reference Value = 35.94 V/m; Power Drift = -0.03 dB

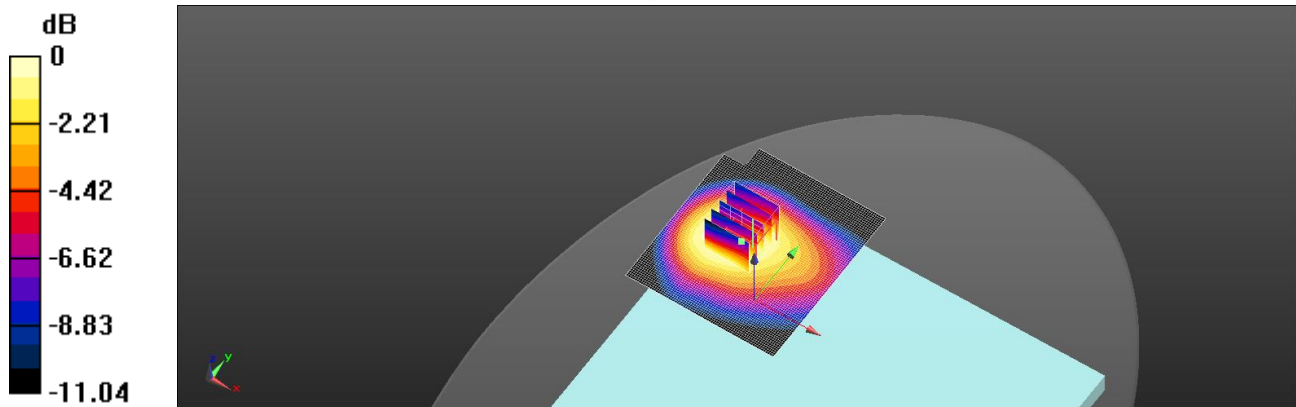
Peak SAR (extrapolated) = 1.36 W/kg

**SAR(1 g) = 0.996 W/kg; SAR(10 g) = 0.702 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 = 75.6%

Maximum value of SAR (measured) = 1.22 W/kg



0 dB = 1.22 W/kg = 0.86 dBW/kg

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Date: 2024/12/11

ID: 015

Report No. :TESA2411000808ES

LTE Band 14(10MHz)\_Body\_Bottom of Laptop\_CH 23330\_QPSK\_1-0\_0mm

Communication System: LTE; Frequency: 793 MHz; Duty cycle= 1:1

Medium parameters used:  $f = 793 \text{ MHz}$ ;  $\sigma = 0.914 \text{ S/m}$ ;  $\epsilon_r = 42.541$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

Ambient temperature: 22.3°C; Liquid temperature: 22.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7686; ConvF(10.49, 9.6, 10.03) @ 793 MHz; Calibrated: 2024/10/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1665; Calibrated: 2024/2/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Area Scan (71x81x1):** Interpolated grid:  $dx=15 \text{ mm}$ ,  $dy=15 \text{ mm}$ 

Maximum value of SAR (interpolated) = 1.22 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ 

Reference Value = 35.76 V/m; Power Drift = -0.09 dB

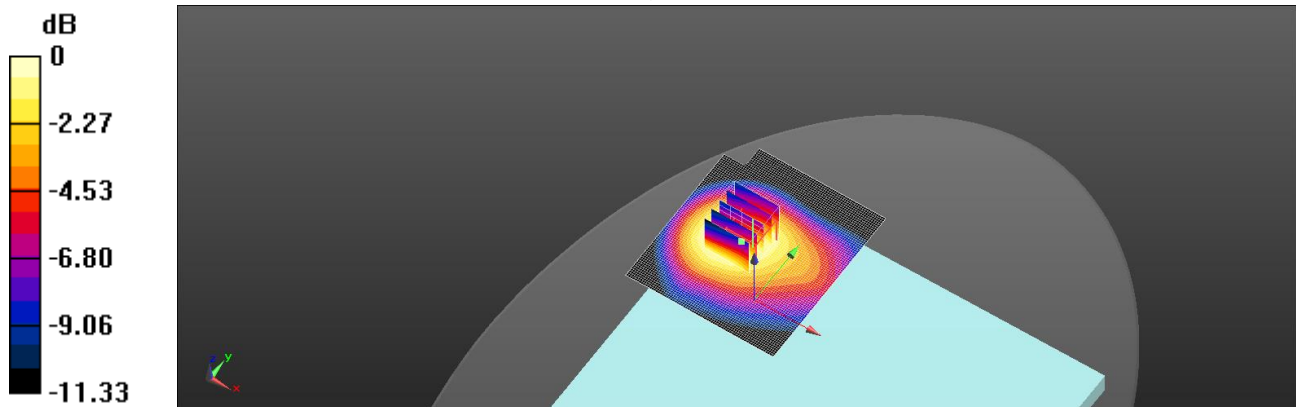
Peak SAR (extrapolated) = 1.39 W/kg

**SAR(1 g) = 1.01 W/kg; SAR(10 g) = 0.698 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 = 73.8%

Maximum value of SAR (measured) = 1.25 W/kg



0 dB = 1.25 W/kg = 0.96 dBW/kg

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Date: 2024/12/11

ID: 016

Report No. :TESA2411000808ES

LTE Band 17(10MHz)\_Body\_Bottom of Laptop\_CH 23780\_QPSK\_1-0\_0mm

Communication System: LTE; Frequency: 709 MHz; Duty cycle= 1:1

Medium parameters used:  $f = 709 \text{ MHz}$ ;  $\sigma = 0.901 \text{ S/m}$ ;  $\epsilon_r = 43.002$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

Ambient temperature: 22.3°C; Liquid temperature: 22.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7686; ConvF(10.49, 9.6, 10.03) @ 709 MHz; Calibrated: 2024/10/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1665; Calibrated: 2024/2/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Area Scan (71x81x1):** Interpolated grid:  $dx=15 \text{ mm}$ ,  $dy=15 \text{ mm}$ 

Maximum value of SAR (interpolated) = 1.12 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ 

Reference Value = 34.77 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.23 W/kg

**SAR(1 g) = 0.919 W/kg; SAR(10 g) = 0.657 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 = 76.2%

Maximum value of SAR (measured) = 1.12 W/kg

**Zoom Scan (5x5x7)/Cube 1:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ 

Reference Value = 34.77 V/m; Power Drift = 0.02 dB

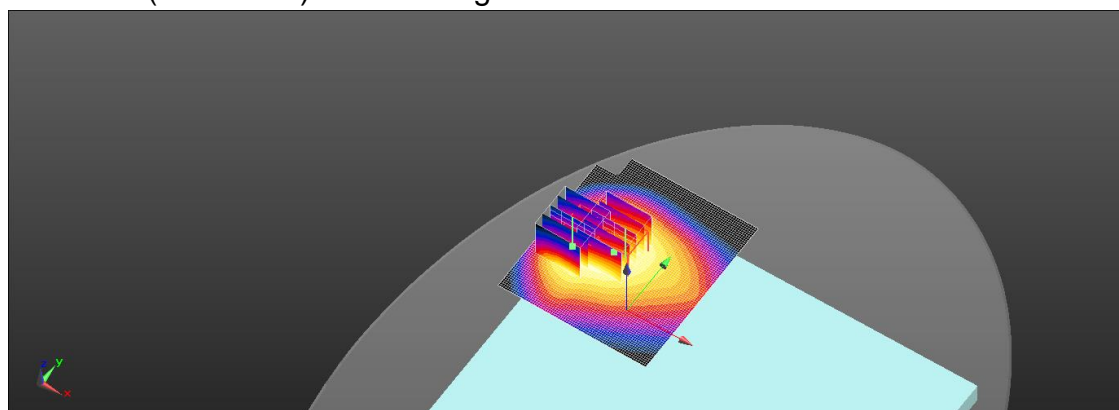
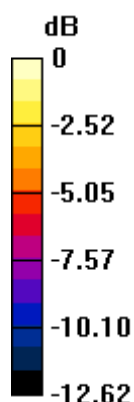
Peak SAR (extrapolated) = 1.30 W/kg

**SAR(1 g) = 0.814 W/kg; SAR(10 g) = 0.544 W/kg**

Smallest distance from peaks to all points 3 dB below = 13.7 mm

Ratio of SAR at M2 to SAR at M1 = 62.3%

Maximum value of SAR (measured) = 1.11 W/kg



0 dB = 1.12 W/kg = 0.48 dBW/kg

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Date: 2024/12/12

ID: 017

Report No. :TESA2411000808ES

LTE Band 25(20MHz)\_Body\_Bottom of Laptop\_CH 26140\_QPSK\_1-0\_0mm\_Reduced

Communication System: LTE; Frequency: 1860 MHz; Duty cycle= 1:1

Medium parameters used:  $f = 1860 \text{ MHz}$ ;  $\sigma = 1.446 \text{ S/m}$ ;  $\epsilon_r = 40.948$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 22.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7686; ConvF(8.34, 7.64, 7.97) @ 1860 MHz; Calibrated: 2024/10/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1665; Calibrated: 2024/2/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Area Scan (71x81x1):** Interpolated grid:  $dx=15 \text{ mm}$ ,  $dy=15 \text{ mm}$ 

Maximum value of SAR (interpolated) = 1.44 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ 

Reference Value = 36.21 V/m; Power Drift = 0.10 dB

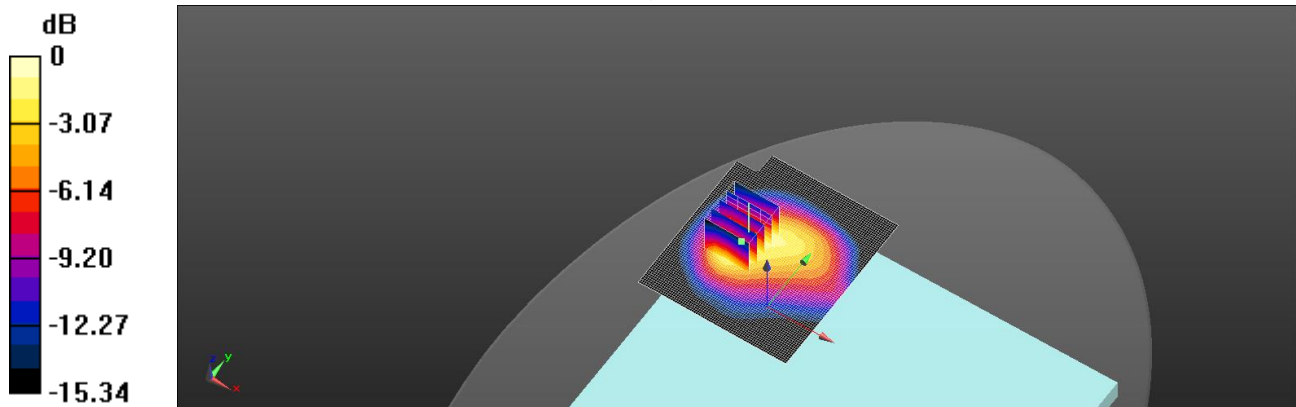
Peak SAR (extrapolated) = 1.53 W/kg

**SAR(1 g) = 1.03 W/kg; SAR(10 g) = 0.632 W/kg**

Smallest distance from peaks to all points 3 dB below = 11.6 mm

Ratio of SAR at M2 to SAR at M1 = 62.6%

Maximum value of SAR (measured) = 1.33 W/kg



0 dB = 1.33 W/kg = 1.23 dBW/kg

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Date: 2024/12/11

ID: 018

Report No. :TESA2411000808ES

LTE Band 26\_FCC(15MHz)\_Body\_Bottom of Laptop\_CH 26765\_QPSK\_1-0\_0mm\_Reduced

Communication System: LTE; Frequency: 821.5 MHz; Duty cycle= 1:1

Medium parameters used:  $f = 821.5 \text{ MHz}$ ;  $\sigma = 0.917 \text{ S/m}$ ;  $\epsilon_r = 42.463$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

Ambient temperature: 22.3°C; Liquid temperature: 22.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7686; ConvF(9.99, 9.15, 9.55) @ 821.5 MHz; Calibrated: 2024/10/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1665; Calibrated: 2024/2/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Area Scan (71x81x1):** Interpolated grid:  $dx=15 \text{ mm}$ ,  $dy=15 \text{ mm}$ 

Maximum value of SAR (interpolated) = 1.34 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ 

Reference Value = 39.32 V/m; Power Drift = -0.02 dB

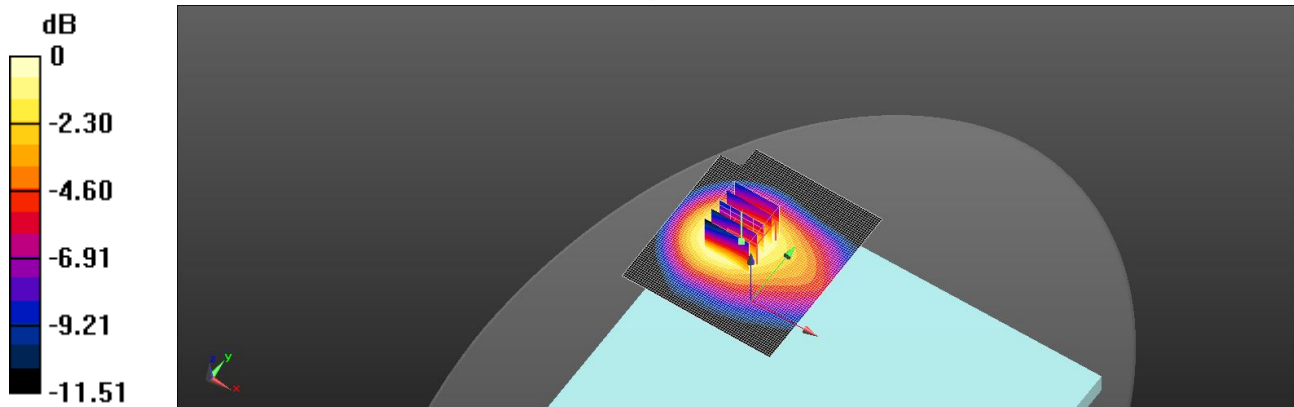
Peak SAR (extrapolated) = 1.45 W/kg

**SAR(1 g) = 1.08 W/kg; SAR(10 g) = 0.767 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 = 71.7%

Maximum value of SAR (measured) = 1.34 W/kg



0 dB = 1.34 W/kg = 1.26 dBW/kg

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Date: 2024/12/13

ID: 020

Report No. :TESA2411000808ES

LTE Band 30(10MHz)\_Body\_Bottom of Laptop\_CH 27710\_QPSK\_1-0\_0mm\_Reduced

Communication System: LTE; Frequency: 2310 MHz; Duty cycle= 1:1

Medium parameters used:  $f = 2310$  MHz;  $\sigma = 1.749$  S/m;  $\epsilon_r = 40.317$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Ambient temperature: 22.2°C; Liquid temperature: 22.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7686; ConvF(7.9, 7.23, 7.55) @ 2310 MHz; Calibrated: 2024/10/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1665; Calibrated: 2024/2/15
- 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) = 1.21 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 37.72 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.27 W/kg

**SAR(1 g) = 0.931 W/kg; SAR(10 g) = 0.631 W/kg**

Smallest distance from peaks to all points 3 dB below = 13 mm

Ratio of SAR at M2 to SAR at M1 = 67.4%

Maximum value of SAR (measured) = 1.13 W/kg

**Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 37.72 V/m; Power Drift = -0.04 dB

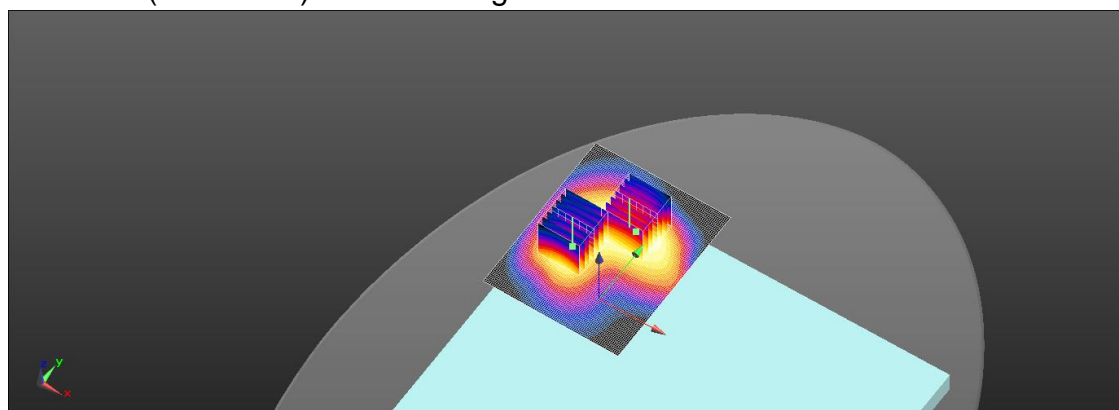
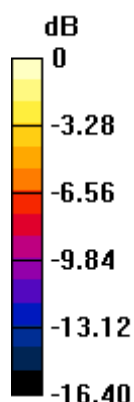
Peak SAR (extrapolated) = 1.10 W/kg

**SAR(1 g) = 0.739 W/kg; SAR(10 g) = 0.467 W/kg**

Smallest distance from peaks to all points 3 dB below = 14.1 mm

Ratio of SAR at M2 to SAR at M1 = 60.9%

Maximum value of SAR (measured) = 0.951 W/kg



0 dB = 0.951 W/kg = -0.22 dBW/kg

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Date: 2024/12/12

ID: 021

Report No. :TESA2411000808ES

LTE Band 66(20MHz)\_Body\_Bottom of Laptop\_CH 132322\_QPSK\_1-0\_0mm\_Reduced

Communication System: LTE; Frequency: 1745 MHz; Duty cycle= 1:1

Medium parameters used:  $f = 1745 \text{ MHz}$ ;  $\sigma = 1.409 \text{ S/m}$ ;  $\epsilon_r = 40.994$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 22.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7686; ConvF(8.55, 7.83, 8.17) @ 1745 MHz; Calibrated: 2024/10/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1665; Calibrated: 2024/2/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Area Scan (71x81x1):** Interpolated grid:  $dx=15 \text{ mm}$ ,  $dy=15 \text{ mm}$ 

Maximum value of SAR (interpolated) = 1.34 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ 

Reference Value = 39.21 V/m; Power Drift = -0.07 dB

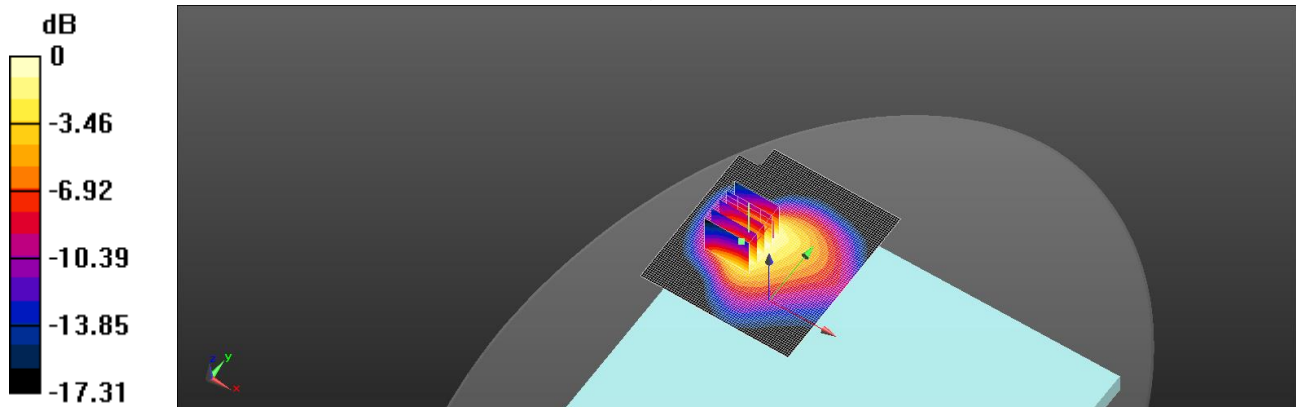
Peak SAR (extrapolated) = 1.39 W/kg

**SAR(1 g) = 1 W/kg; SAR(10 g) = 0.665 W/kg**

Smallest distance from peaks to all points 3 dB below = 10.2 mm

Ratio of SAR at M2 to SAR at M1 = 67.1%

Maximum value of SAR (measured) = 1.20 W/kg



0 dB = 1.20 W/kg = 0.81 dBW/kg

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Date: 2024/12/11

ID: 022

Report No. :TESA2411000808ES

LTE Band 71(20MHz)\_Body\_Bottom of Laptop\_CH 133222\_QPSK\_1-0\_0mm

Communication System: LTE; Frequency: 673 MHz; Duty cycle= 1:1

Medium parameters used:  $f = 673 \text{ MHz}$ ;  $\sigma = 0.881 \text{ S/m}$ ;  $\epsilon_r = 43.366$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

Ambient temperature: 22.3°C; Liquid temperature: 22.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7686; ConvF(10.49, 9.6, 10.03) @ 673 MHz; Calibrated: 2024/10/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1665; Calibrated: 2024/2/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Area Scan (71x81x1):** Interpolated grid:  $dx=15 \text{ mm}$ ,  $dy=15 \text{ mm}$ 

Maximum value of SAR (interpolated) = 0.493 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ 

Reference Value = 23.94 V/m; Power Drift = 0.06 dB

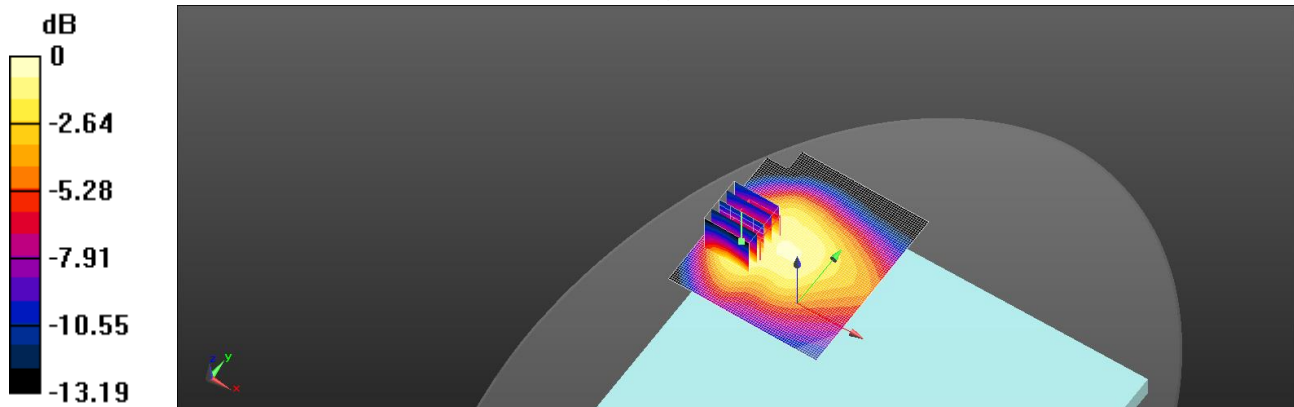
Peak SAR (extrapolated) = 0.653 W/kg

**SAR(1 g) = 0.391 W/kg; SAR(10 g) = 0.247 W/kg**

Smallest distance from peaks to all points 3 dB below = 14.4 mm

Ratio of SAR at M2 to SAR at M1 = 60.4%

Maximum value of SAR (measured) = 0.553 W/kg



0 dB = 0.553 W/kg = -2.57 dBW/kg

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Date: 2024/12/13

ID: 023

Report No. :TESA2411000808ES

LTE Band 38(20MHz)\_Body\_Bottom of Laptop\_CH 38150\_QPSK\_1-0\_0mm

Communication System: LTE; Frequency: 2610 MHz; Duty cycle= 1:1.58

Medium parameters used:  $f = 2610$  MHz;  $\sigma = 2.024$  S/m;  $\epsilon_r = 39.842$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Ambient temperature: 22.2°C; Liquid temperature: 22.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7686; ConvF(7.64, 7, 7.31) @ 2610 MHz; Calibrated: 2024/10/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1665; Calibrated: 2024/2/15
- 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) = 0.924 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 22.43 V/m; Power Drift = -0.16 dB

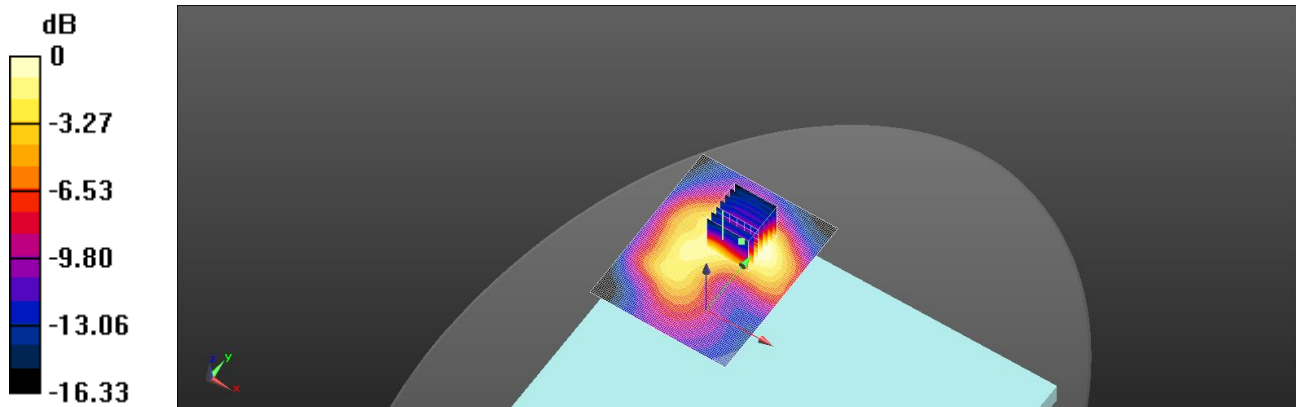
Peak SAR (extrapolated) = 1.05 W/kg

**SAR(1 g) = 0.608 W/kg; SAR(10 g) = 0.346 W/kg**

Smallest distance from peaks to all points 3 dB below = 14.3 mm

Ratio of SAR at M2 to SAR at M1 = 56.5%

Maximum value of SAR (measured) = 0.886 W/kg



0 dB = 0.886 W/kg = -0.53 dBW/kg

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Date: 2024/12/13

ID: 024

Report No. :TESA2411000808ES

LTE Band 41(20MHz)\_Body\_Bottom of Laptop\_CH 41490\_QPSK\_1-0\_0mm

Communication System: LTE; Frequency: 2680 MHz; Duty cycle= 1:1.58

Medium parameters used:  $f = 2680$  MHz;  $\sigma = 2.091$  S/m;  $\epsilon_r = 39.81$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Ambient temperature: 22.2°C; Liquid temperature: 22.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7686; ConvF(7.64, 7, 7.31) @ 2680 MHz; Calibrated: 2024/10/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1665; Calibrated: 2024/2/15
- 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) = 1.09 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 24.27 V/m; Power Drift = 0.02 dB

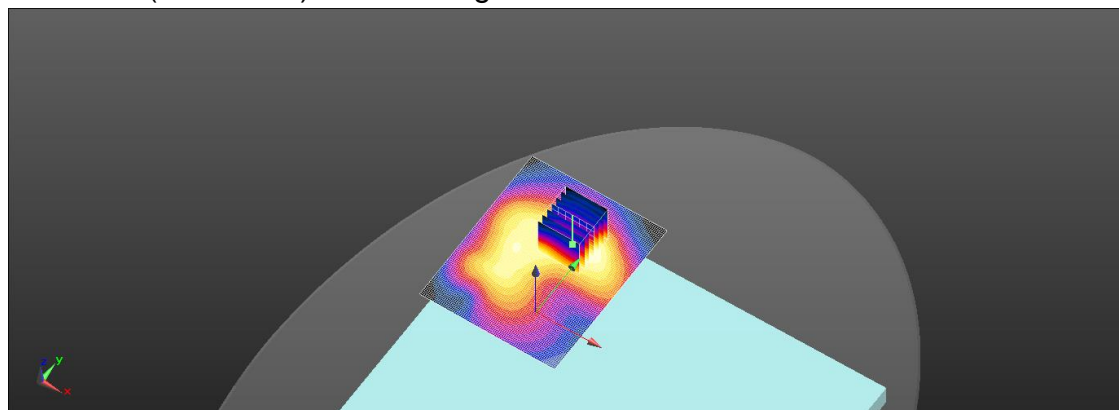
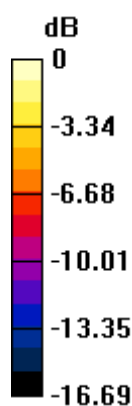
Peak SAR (extrapolated) = 1.22 W/kg

**SAR(1 g) = 0.705 W/kg; SAR(10 g) = 0.401 W/kg**

Smallest distance from peaks to all points 3 dB below = 13.6 mm

Ratio of SAR at M2 to SAR at M1 = 58.1%

Maximum value of SAR (measured) = 1.02 W/kg



0 dB = 1.02 W/kg = 0.10 dBW/kg

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Date: 2024/12/14

ID: 025

Report No. :TESA2411000808ES

LTE Band 48(20MHz)\_Body\_Bottom of Laptop\_CH 55830\_QPSK\_1-0\_0mm

Communication System: LTE; Frequency: 3609 MHz; Duty cycle= 1:1.58

Medium parameters used:  $f = 3609$  MHz;  $\sigma = 3.086$  S/m;  $\epsilon_r = 38.701$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Ambient temperature: 22.3°C; Liquid temperature: 22.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7686; ConvF(7.02, 6.43, 6.72) @ 3609 MHz; Calibrated: 2024/10/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1665; Calibrated: 2024/2/15
- 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) = 0.761 W/kg

**Zoom Scan (7x7x8)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=4mm

Reference Value = 10.45 V/m; Power Drift = -0.05 dB

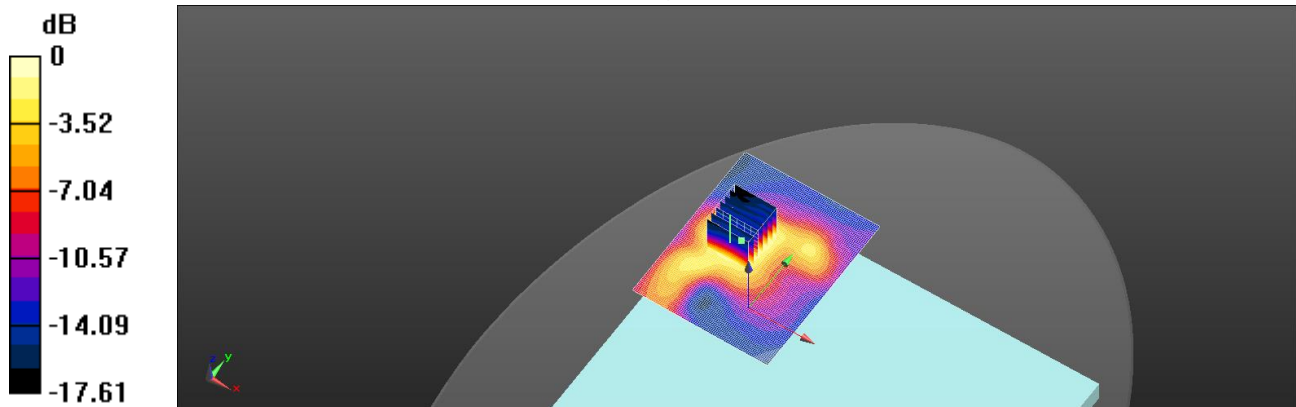
Peak SAR (extrapolated) = 1.02 W/kg

**SAR(1 g) = 0.462 W/kg; SAR(10 g) = 0.228 W/kg**

Smallest distance from peaks to all points 3 dB below = 11.7 mm

Ratio of SAR at M2 to SAR at M1 = 51.9%

Maximum value of SAR (measured) = 0.769 W/kg



0 dB = 0.769 W/kg = -1.14 dBW/kg

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Date: 2024/12/12

ID: 026

Report No. :TESA2411000808ES

LTE Band 2(20MHz)\_Body\_Front Edge of Laptop\_CH 18700\_QPSK\_1-0\_0mm

Communication System: LTE; Frequency: 1860 MHz; Duty cycle= 1:1

Medium parameters used:  $f = 1860 \text{ MHz}$ ;  $\sigma = 1.446 \text{ S/m}$ ;  $\epsilon_r = 40.948$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 22.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7686; ConvF(8.34, 7.64, 7.97) @ 1860 MHz; Calibrated: 2024/10/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1665; Calibrated: 2024/2/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Area Scan (71x81x1):** Interpolated grid:  $dx=15 \text{ mm}$ ,  $dy=15 \text{ mm}$ 

Maximum value of SAR (interpolated) = 0.536 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ 

Reference Value = 17.32 V/m; Power Drift = -0.03 dB

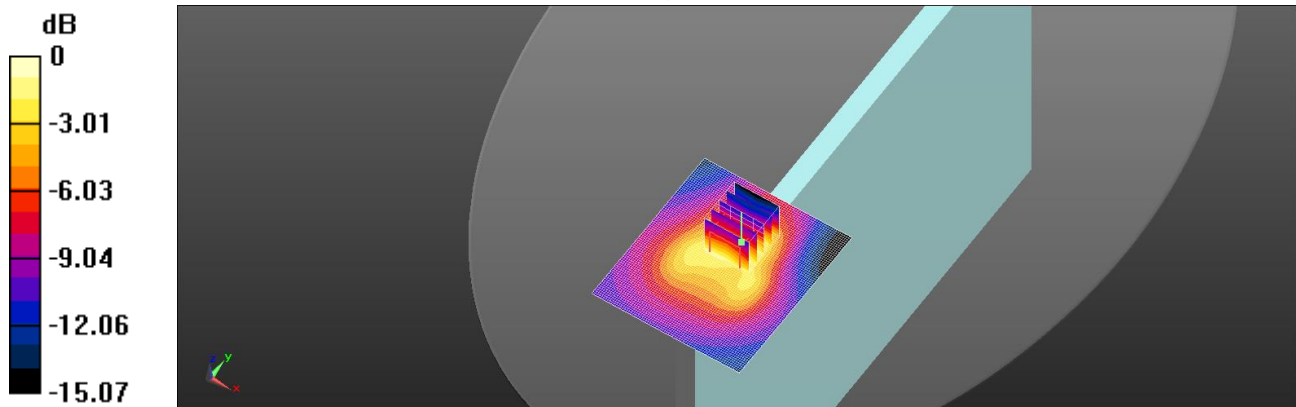
Peak SAR (extrapolated) = 0.604 W/kg

**SAR(1 g) = 0.361 W/kg; SAR(10 g) = 0.228 W/kg**

Smallest distance from peaks to all points 3 dB below = 14.8 mm

Ratio of SAR at M2 to SAR at M1 = 56.9%

Maximum value of SAR (measured) = 0.523 W/kg



0 dB = 0.523 W/kg = -2.81 dBW/kg

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Date: 2024/12/12

ID: 027

Report No. :TESA2411000808ES

LTE Band 4(20MHz)\_Body\_Front Edge of Laptop\_CH 20300\_QPSK\_1-0\_0mm

Communication System: LTE; Frequency: 1745 MHz; Duty cycle= 1:1

Medium parameters used:  $f = 1745 \text{ MHz}$ ;  $\sigma = 1.409 \text{ S/m}$ ;  $\epsilon_r = 40.994$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 22.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7686; ConvF(8.55, 7.83, 8.17) @ 1745 MHz; Calibrated: 2024/10/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1665; Calibrated: 2024/2/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Area Scan (71x81x1):** Interpolated grid:  $dx=15 \text{ mm}$ ,  $dy=15 \text{ mm}$ 

Maximum value of SAR (interpolated) = 0.388 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ 

Reference Value = 16.72 V/m; Power Drift = -0.04 dB

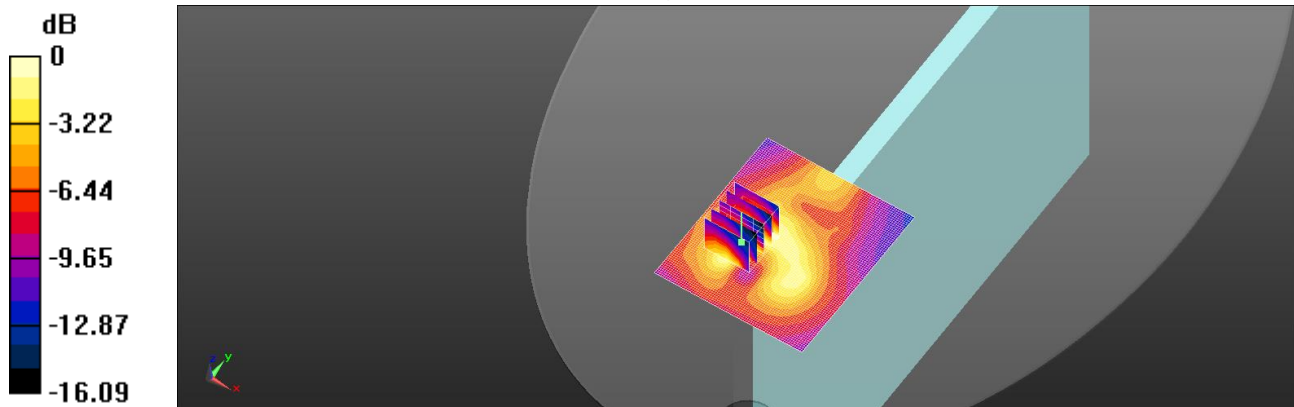
Peak SAR (extrapolated) = 0.447 W/kg

**SAR(1 g) = 0.280 W/kg; SAR(10 g) = 0.160 W/kg**

Smallest distance from peaks to all points 3 dB below = 10.2 mm

Ratio of SAR at M2 to SAR at M1 = 70.9%

Maximum value of SAR (measured) = 0.375 W/kg



0 dB = 0.375 W/kg = -4.26 dBW/kg

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Date: 2024/12/11

ID: 028

Report No. :TESA2411000808ES

LTE Band 5(10MHz)\_Body\_Front Edge of Laptop\_CH 20600\_QPSK\_1-0\_0mm

Communication System: LTE; Frequency: 844 MHz; Duty cycle= 1:1

Medium parameters used:  $f = 844 \text{ MHz}$ ;  $\sigma = 0.93 \text{ S/m}$ ;  $\epsilon_r = 42.369$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

Ambient temperature: 22.3°C; Liquid temperature: 22.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7686; ConvF(9.99, 9.15, 9.55) @ 844 MHz; Calibrated: 2024/10/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1665; Calibrated: 2024/2/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Area Scan (71x81x1):** Interpolated grid:  $dx=15 \text{ mm}$ ,  $dy=15 \text{ mm}$ 

Maximum value of SAR (interpolated) = 0.459 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ 

Reference Value = 27.87 V/m; Power Drift = 0.07 dB

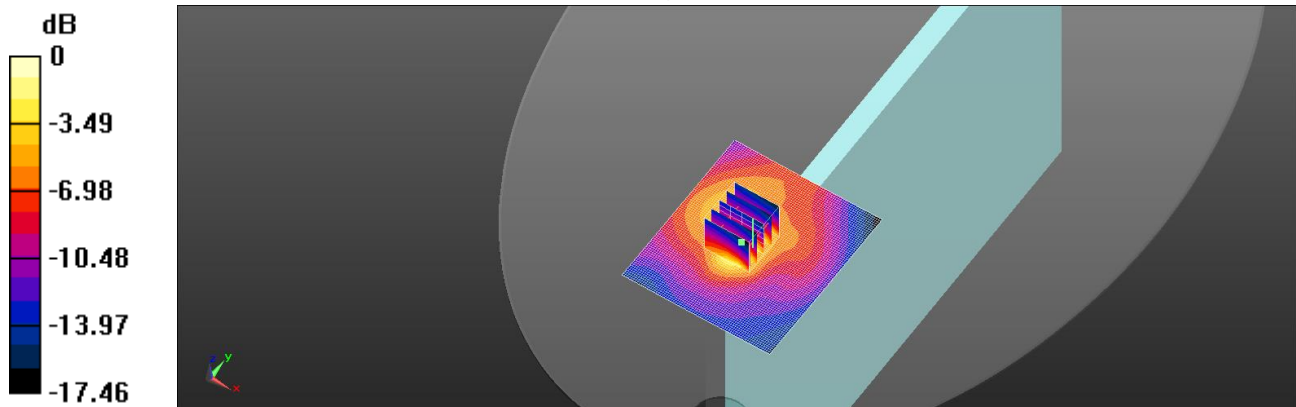
Peak SAR (extrapolated) = 0.854 W/kg

**SAR(1 g) = 0.366 W/kg; SAR(10 g) = 0.178 W/kg**

Smallest distance from peaks to all points 3 dB below = 9.4 mm

Ratio of SAR at M2 to SAR at M1 = 43.4%

Maximum value of SAR (measured) = 0.603 W/kg



0 dB = 0.603 W/kg = -2.20 dBW/kg

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Date: 2024/12/13

ID: 029

Report No. :TESA2411000808ES

LTE Band 7(20MHz)\_Body\_Front Edge of Laptop\_CH 21350\_QPSK\_1-0\_0mm

Communication System: LTE; Frequency: 2560 MHz; Duty cycle= 1:1

Medium parameters used:  $f = 2560$  MHz;  $\sigma = 1.975$  S/m;  $\epsilon_r = 39.923$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Ambient temperature: 22.2°C; Liquid temperature: 22.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7686; ConvF(7.64, 7, 7.31) @ 2560 MHz; Calibrated: 2024/10/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1665; Calibrated: 2024/2/15
- 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) = 1.03 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 24.25 V/m; Power Drift = -0.14 dB

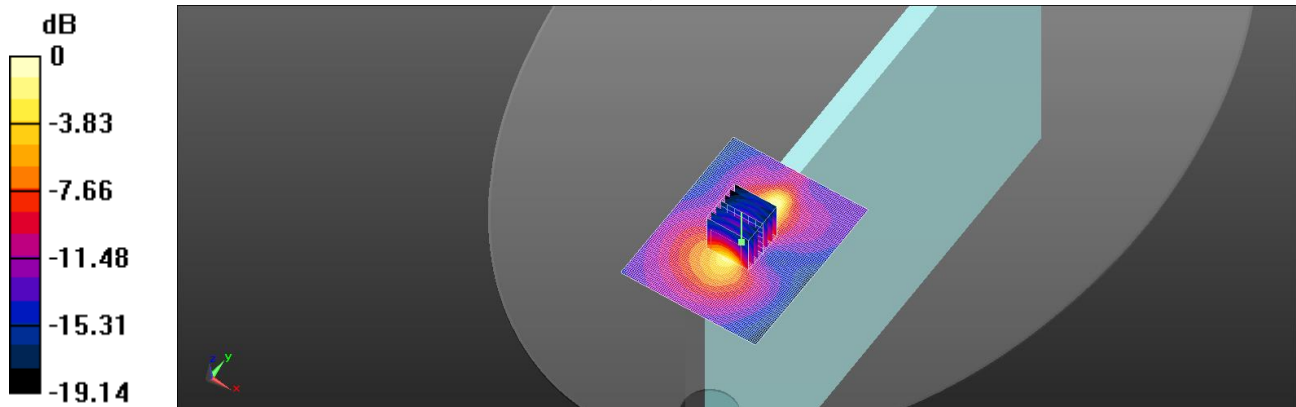
Peak SAR (extrapolated) = 1.30 W/kg

**SAR(1 g) = 0.588 W/kg; SAR(10 g) = 0.252 W/kg**

Smallest distance from peaks to all points 3 dB below = 9.3 mm

Ratio of SAR at M2 to SAR at M1 = 47.7%

Maximum value of SAR (measured) = 1.05 W/kg



0 dB = 1.05 W/kg = 0.21 dBW/kg

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Date: 2024/12/11

ID: 030

Report No. :TESA2411000808ES

LTE Band 12(10MHz)\_Body\_Front Edge of Laptop\_CH 23130\_QPSK\_1-0\_0mm

Communication System: LTE; Frequency: 711 MHz; Duty cycle= 1:1

Medium parameters used:  $f = 711 \text{ MHz}$ ;  $\sigma = 0.902 \text{ S/m}$ ;  $\epsilon_r = 42.974$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

Ambient temperature: 22.3°C; Liquid temperature: 22.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7686; ConvF(10.49, 9.6, 10.03) @ 711 MHz; Calibrated: 2024/10/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1665; Calibrated: 2024/2/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Area Scan (71x81x1):** Interpolated grid:  $dx=15 \text{ mm}$ ,  $dy=15 \text{ mm}$ 

Maximum value of SAR (interpolated) = 0.425 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ 

Reference Value = 28.39 V/m; Power Drift = 0.06 dB

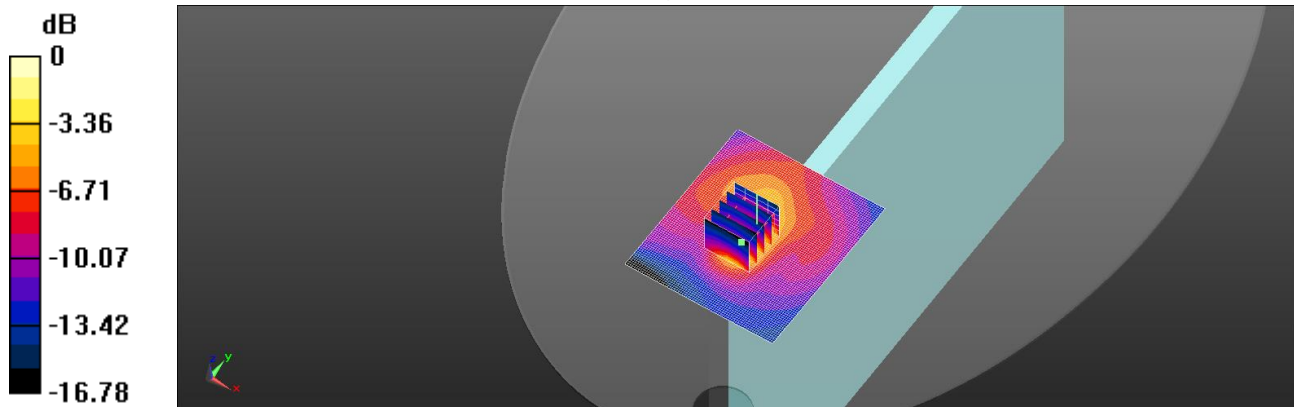
Peak SAR (extrapolated) = 0.773 W/kg

**SAR(1 g) = 0.335 W/kg; SAR(10 g) = 0.165 W/kg**

Smallest distance from peaks to all points 3 dB below = 8.6 mm

Ratio of SAR at M2 to SAR at M1 = 43.9%

Maximum value of SAR (measured) = 0.575 W/kg



0 dB = 0.575 W/kg = -2.40 dBW/kg

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Date: 2024/12/11

ID: 031

Report No. :TESA2411000808ES

LTE Band 13(10MHz)\_Body\_Front Edge of Laptop\_CH 23230\_QPSK\_1-0\_0mm

Communication System: LTE; Frequency: 782 MHz; Duty cycle= 1:1

Medium parameters used:  $f = 782 \text{ MHz}$ ;  $\sigma = 0.909 \text{ S/m}$ ;  $\epsilon_r = 42.623$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

Ambient temperature: 22.3°C; Liquid temperature: 22.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7686; ConvF(10.49, 9.6, 10.03) @ 782 MHz; Calibrated: 2024/10/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1665; Calibrated: 2024/2/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Area Scan (71x81x1):** Interpolated grid:  $dx=15 \text{ mm}$ ,  $dy=15 \text{ mm}$ 

Maximum value of SAR (interpolated) = 0.502 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ 

Reference Value = 28.75 V/m; Power Drift = 0.09 dB

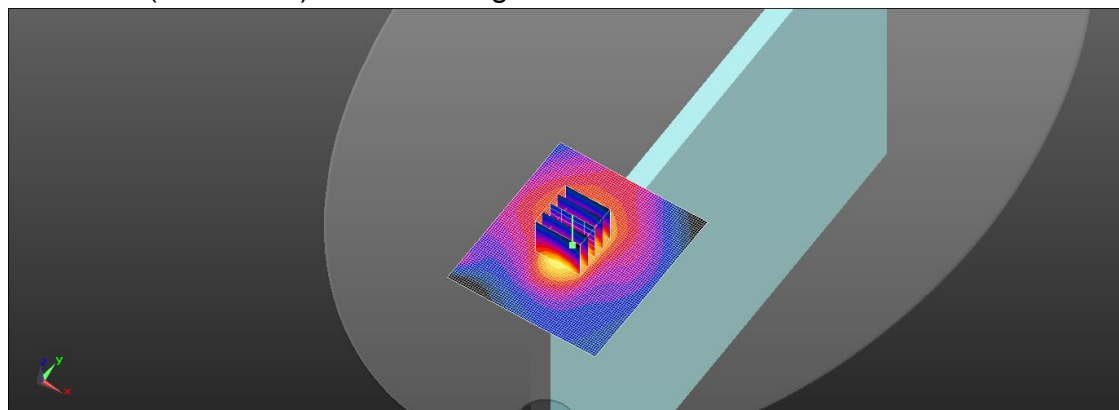
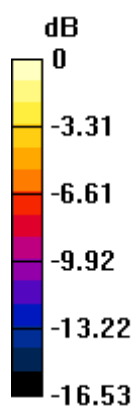
Peak SAR (extrapolated) = 0.836 W/kg

**SAR(1 g) = 0.394 W/kg; SAR(10 g) = 0.197 W/kg**

Smallest distance from peaks to all points 3 dB below = 9.2 mm

Ratio of SAR at M2 to SAR at M1 = 48.1%

Maximum value of SAR (measured) = 0.645 W/kg



0 dB = 0.645 W/kg = -1.90 dBW/kg

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Date: 2024/12/11

ID: 032

Report No. :TESA2411000808ES

LTE Band 14(10MHz)\_Body\_Front Edge of Laptop\_CH 23330\_QPSK\_1-0\_0mm

Communication System: LTE; Frequency: 793 MHz; Duty cycle= 1:1

Medium parameters used:  $f = 793 \text{ MHz}$ ;  $\sigma = 0.914 \text{ S/m}$ ;  $\epsilon_r = 42.541$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

Ambient temperature: 22.3°C; Liquid temperature: 22.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7686; ConvF(10.49, 9.6, 10.03) @ 793 MHz; Calibrated: 2024/10/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1665; Calibrated: 2024/2/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Area Scan (71x81x1):** Interpolated grid:  $dx=15 \text{ mm}$ ,  $dy=15 \text{ mm}$ 

Maximum value of SAR (interpolated) = 0.575 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ 

Reference Value = 31.08 V/m; Power Drift = -0.07 dB

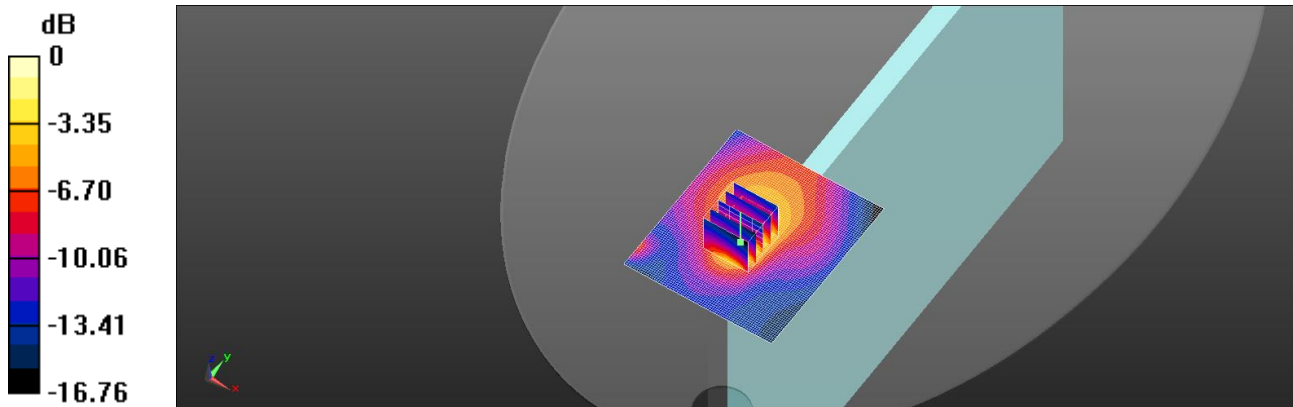
Peak SAR (extrapolated) = 0.946 W/kg

**SAR(1 g) = 0.439 W/kg; SAR(10 g) = 0.227 W/kg**

Smallest distance from peaks to all points 3 dB below = 8.7 mm

Ratio of SAR at M2 to SAR at M1 = 46%

Maximum value of SAR (measured) = 0.696 W/kg



0 dB = 0.696 W/kg = -1.58 dBW/kg

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Date: 2024/12/11

ID: 033

Report No. :TESA2411000808ES

LTE Band 17(10MHz)\_Body\_Front Edge of Laptop\_CH 23780\_QPSK\_1-0\_0mm

Communication System: LTE; Frequency: 709 MHz; Duty cycle= 1:1

Medium parameters used:  $f = 709 \text{ MHz}$ ;  $\sigma = 0.901 \text{ S/m}$ ;  $\epsilon_r = 43.002$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

Ambient temperature: 22.3°C; Liquid temperature: 22.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7686; ConvF(10.49, 9.6, 10.03) @ 709 MHz; Calibrated: 2024/10/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1665; Calibrated: 2024/2/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Area Scan (71x81x1):** Interpolated grid:  $dx=15 \text{ mm}$ ,  $dy=15 \text{ mm}$ 

Maximum value of SAR (interpolated) = 0.552 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ 

Reference Value = 31.22 V/m; Power Drift = 0.04 dB

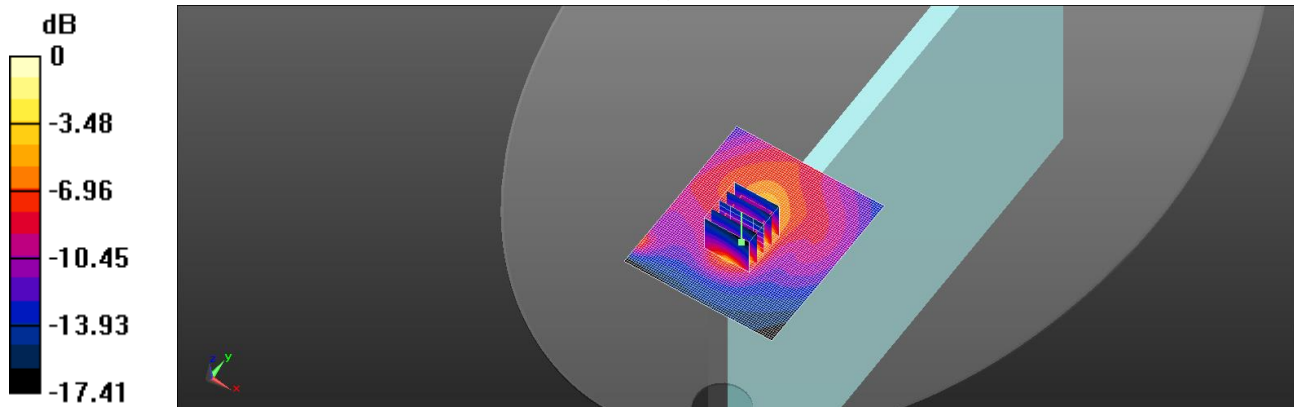
Peak SAR (extrapolated) = 1.09 W/kg

**SAR(1 g) = 0.416 W/kg; SAR(10 g) = 0.205 W/kg**

Smallest distance from peaks to all points 3 dB below = 8.9 mm

Ratio of SAR at M2 to SAR at M1 = 36.9%

Maximum value of SAR (measured) = 0.808 W/kg



0 dB = 0.808 W/kg = -0.93 dBW/kg

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Date: 2024/12/12

ID: 034

Report No. :TESA2411000808ES

LTE Band 25(20MHz)\_Body\_Front Edge of Laptop\_CH 26140\_QPSK\_1-0\_0mm

Communication System: LTE; Frequency: 1860 MHz; Duty cycle= 1:1

Medium parameters used:  $f = 1860 \text{ MHz}$ ;  $\sigma = 1.446 \text{ S/m}$ ;  $\epsilon_r = 40.948$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 22.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7686; ConvF(8.34, 7.64, 7.97) @ 1860 MHz; Calibrated: 2024/10/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1665; Calibrated: 2024/2/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Area Scan (71x81x1):** Interpolated grid:  $dx=15 \text{ mm}$ ,  $dy=15 \text{ mm}$ 

Maximum value of SAR (interpolated) = 0.604 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ 

Reference Value = 18.81 V/m; Power Drift = 0.03 dB

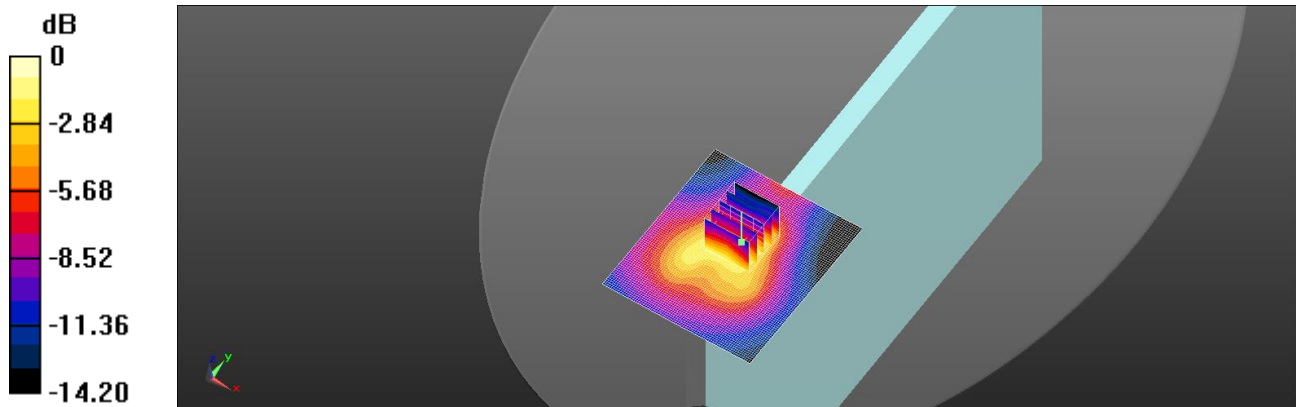
Peak SAR (extrapolated) = 0.683 W/kg

**SAR(1 g) = 0.415 W/kg; SAR(10 g) = 0.259 W/kg**

Smallest distance from peaks to all points 3 dB below = 15.8 mm

Ratio of SAR at M2 to SAR at M1 = 59.1%

Maximum value of SAR (measured) = 0.594 W/kg



0 dB = 0.594 W/kg = -2.26 dBW/kg

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Date: 2024/12/11

ID: 035

Report No. :TESA2411000808ES

LTE Band 26\_FCC(15MHz)\_Body\_Front Edge of Laptop\_CH 26765\_QPSK\_1-0\_0mm

Communication System: LTE; Frequency: 821.5 MHz; Duty cycle= 1:1

Medium parameters used:  $f = 821.5 \text{ MHz}$ ;  $\sigma = 0.917 \text{ S/m}$ ;  $\epsilon_r = 42.463$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

Ambient temperature: 22.3°C; Liquid temperature: 22.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7686; ConvF(9.99, 9.15, 9.55) @ 821.5 MHz; Calibrated: 2024/10/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1665; Calibrated: 2024/2/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Area Scan (71x81x1):** Interpolated grid:  $dx=15 \text{ mm}$ ,  $dy=15 \text{ mm}$ 

Maximum value of SAR (interpolated) = 0.443 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ 

Reference Value = 27.97 V/m; Power Drift = -0.03 dB

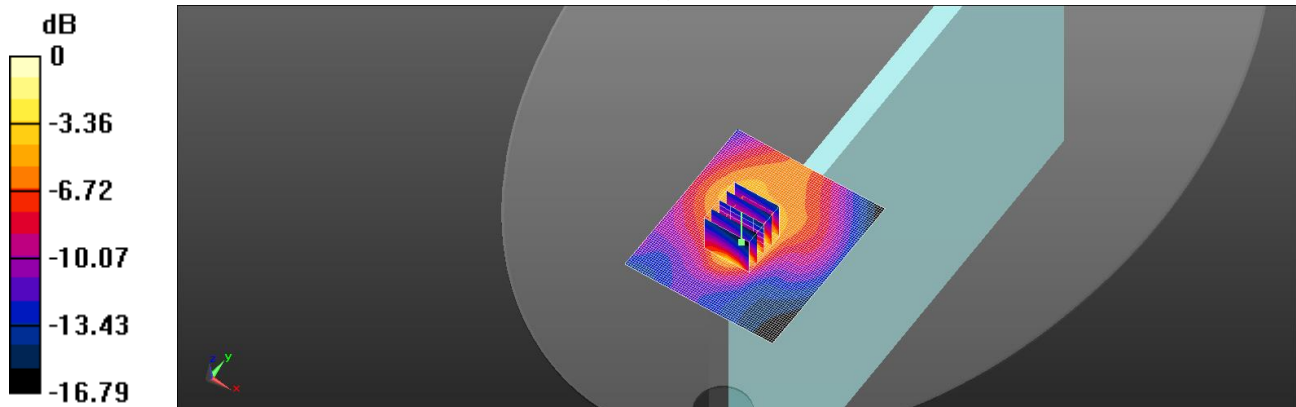
Peak SAR (extrapolated) = 0.766 W/kg

**SAR(1 g) = 0.349 W/kg; SAR(10 g) = 0.176 W/kg**

Smallest distance from peaks to all points 3 dB below = 8.2 mm

Ratio of SAR at M2 to SAR at M1 = 45.2%

Maximum value of SAR (measured) = 0.566 W/kg



0 dB = 0.566 W/kg = -2.47 dBW/kg

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Date: 2024/12/13

ID: 037

Report No. :TESA2411000808ES

LTE Band 30(10MHz)\_Body\_Front Edge of Laptop\_CH 27710\_QPSK\_1-0\_0mm

Communication System: LTE; Frequency: 2310 MHz; Duty cycle= 1:1

Medium parameters used:  $f = 2310$  MHz;  $\sigma = 1.749$  S/m;  $\epsilon_r = 40.317$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Ambient temperature: 22.2°C; Liquid temperature: 22.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7686; ConvF(7.9, 7.23, 7.55) @ 2310 MHz; Calibrated: 2024/10/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1665; Calibrated: 2024/2/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Area Scan (101x101x1):** Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 0.996 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 23.68 V/m; Power Drift = 0.08 dB

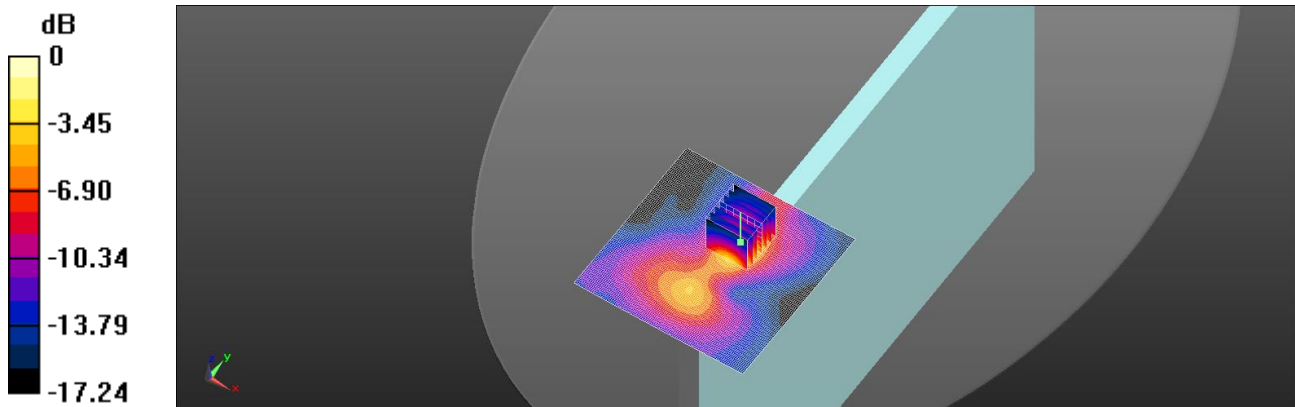
Peak SAR (extrapolated) = 1.35 W/kg

**SAR(1 g) = 0.755 W/kg; SAR(10 g) = 0.369 W/kg**

Smallest distance from peaks to all points 3 dB below = 7.3 mm

Ratio of SAR at M2 to SAR at M1 = 59.5%

Maximum value of SAR (measured) = 1.15 W/kg



0 dB = 1.15 W/kg = 0.60 dBW/kg

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Date: 2024/12/12

ID: 038

Report No. :TESA2411000808ES

LTE Band 66(20MHz)\_Body\_Front Edge of Laptop\_CH 132322\_QPSK\_1-0\_0mm

Communication System: LTE; Frequency: 1745 MHz; Duty cycle= 1:1

Medium parameters used:  $f = 1745 \text{ MHz}$ ;  $\sigma = 1.409 \text{ S/m}$ ;  $\epsilon_r = 40.994$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 22.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7686; ConvF(8.55, 7.83, 8.17) @ 1745 MHz; Calibrated: 2024/10/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1665; Calibrated: 2024/2/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Area Scan (71x91x1):** Interpolated grid:  $dx=15 \text{ mm}$ ,  $dy=15 \text{ mm}$ 

Maximum value of SAR (interpolated) = 0.482 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ 

Reference Value = 15.36 V/m; Power Drift = -0.06 dB

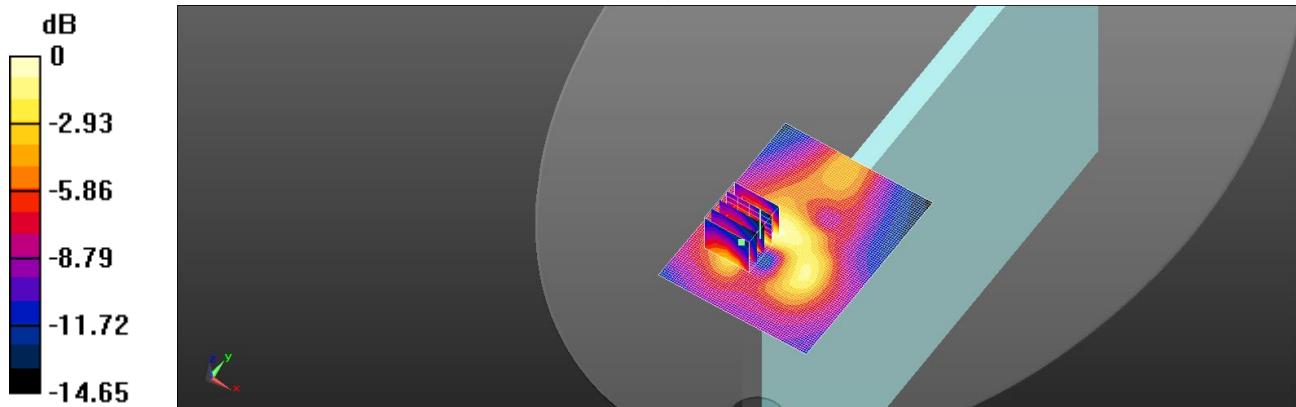
Peak SAR (extrapolated) = 0.579 W/kg

**SAR(1 g) = 0.372 W/kg; SAR(10 g) = 0.210 W/kg**

Smallest distance from peaks to all points 3 dB below = 8.6 mm

Ratio of SAR at M2 to SAR at M1 = 62.8%

Maximum value of SAR (measured) = 0.478 W/kg



0 dB = 0.478 W/kg = -3.21 dBW/kg

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Date: 2024/12/11

ID: 039

Report No. :TESA2411000808ES

LTE Band 71(20MHz)\_Body\_Front Edge of Laptop\_CH 133222\_QPSK\_1-0\_0mm

Communication System: LTE; Frequency: 673 MHz; Duty cycle= 1:1

Medium parameters used:  $f = 673 \text{ MHz}$ ;  $\sigma = 0.881 \text{ S/m}$ ;  $\epsilon_r = 43.366$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

Ambient temperature: 22.3°C; Liquid temperature: 22.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7686; ConvF(10.49, 9.6, 10.03) @ 673 MHz; Calibrated: 2024/10/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1665; Calibrated: 2024/2/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Area Scan (71x81x1):** Interpolated grid:  $dx=15 \text{ mm}$ ,  $dy=15 \text{ mm}$ 

Maximum value of SAR (interpolated) = 0.430 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ 

Reference Value = 27.48 V/m; Power Drift = 0.19 dB

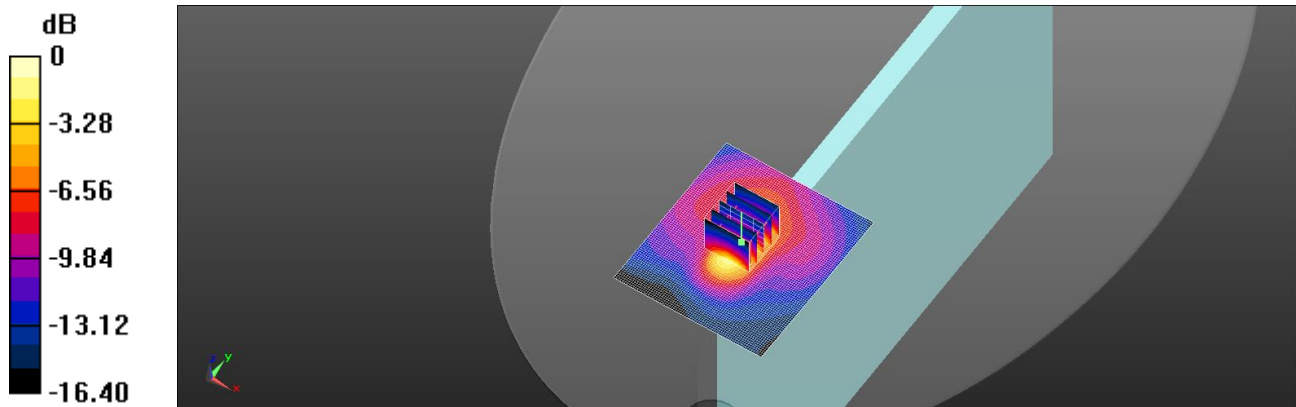
Peak SAR (extrapolated) = 0.762 W/kg

**SAR(1 g) = 0.336 W/kg; SAR(10 g) = 0.164 W/kg**

Smallest distance from peaks to all points 3 dB below = 10.2 mm

Ratio of SAR at M2 to SAR at M1 = 45.3%

Maximum value of SAR (measured) = 0.578 W/kg



0 dB = 0.578 W/kg = -2.38 dBW/kg

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Date: 2024/12/13

ID: 040

Report No. :TESA2411000808ES

LTE Band 38(20MHz)\_Body\_Front Edge of Laptop\_CH 38150\_QPSK\_1-0\_0mm

Communication System: LTE; Frequency: 2610 MHz; Duty cycle= 1:1.58

Medium parameters used:  $f = 2610$  MHz;  $\sigma = 2.024$  S/m;  $\epsilon_r = 39.842$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Ambient temperature: 22.2°C; Liquid temperature: 22.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7686; ConvF(7.64, 7, 7.31) @ 2610 MHz; Calibrated: 2024/10/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1665; Calibrated: 2024/2/15
- 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) = 0.851 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.58 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.08 W/kg

**SAR(1 g) = 0.508 W/kg; SAR(10 g) = 0.211 W/kg**

Smallest distance from peaks to all points 3 dB below = 6.3 mm

Ratio of SAR at M2 to SAR at M1 = 52.9%

Maximum value of SAR (measured) = 0.861 W/kg

**Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.58 V/m; Power Drift = -0.03 dB

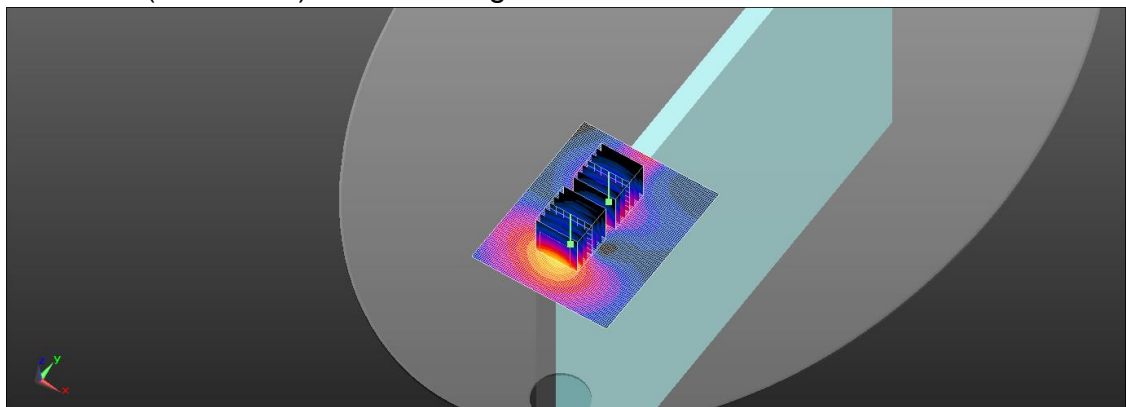
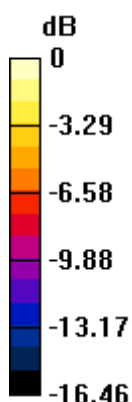
Peak SAR (extrapolated) = 0.781 W/kg

**SAR(1 g) = 0.394 W/kg; SAR(10 g) = 0.192 W/kg**

Smallest distance from peaks to all points 3 dB below = 7.2 mm

Ratio of SAR at M2 to SAR at M1 = 53.3%

Maximum value of SAR (measured) = 0.636 W/kg



0 dB = 0.861 W/kg = -0.65 dBW/kg

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Date: 2024/12/13

ID: 041

Report No. :TESA2411000808ES

LTE Band 41(20MHz)\_Body\_Front Edge of Laptop\_CH 41490\_QPSK\_1-0\_0mm

Communication System: LTE; Frequency: 2680 MHz; Duty cycle= 1:1.58

Medium parameters used:  $f = 2680 \text{ MHz}$ ;  $\sigma = 2.091 \text{ S/m}$ ;  $\epsilon_r = 39.81$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

Ambient temperature: 22.2°C; Liquid temperature: 22.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7686; ConvF(7.64, 7, 7.31) @ 2680 MHz; Calibrated: 2024/10/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1665; Calibrated: 2024/2/15
- 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) = 1.50 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 22.91 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 2.03 W/kg

**SAR(1 g) = 0.918 W/kg; SAR(10 g) = 0.358 W/kg**

Smallest distance from peaks to all points 3 dB below = 7 mm

Ratio of SAR at M2 to SAR at M1 = 49%

Maximum value of SAR (measured) = 1.63 W/kg

**Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 22.91 V/m; Power Drift = -0.04 dB

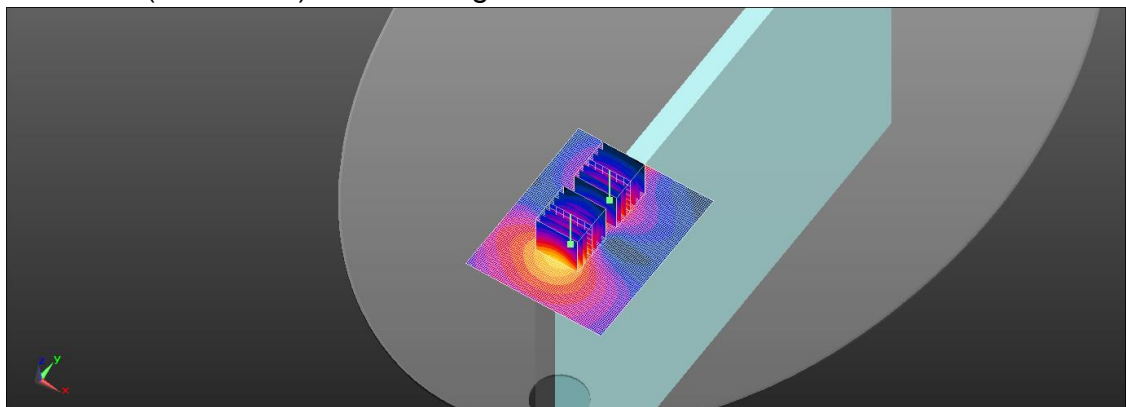
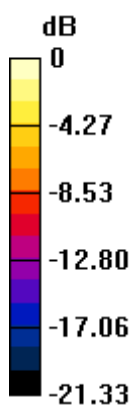
Peak SAR (extrapolated) = 1.71 W/kg

**SAR(1 g) = 0.836 W/kg; SAR(10 g) = 0.375 W/kg**

Smallest distance from peaks to all points 3 dB below = 7.1 mm

Ratio of SAR at M2 to SAR at M1 = 52.1%

Maximum value of SAR (measured) = 1.38 W/kg



0 dB = 1.63 W/kg = 2.12 dBW/kg

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Date: 2024/12/14

ID: 042

Report No. :TESA2411000808ES

LTE Band 48(20MHz)\_Body\_Front Edge of Laptop\_CH 55830\_QPSK\_1-0\_0mm

Communication System: LTE; Frequency: 3609 MHz; Duty cycle= 1:1.58

Medium parameters used:  $f = 3609$  MHz;  $\sigma = 3.086$  S/m;  $\epsilon_r = 38.701$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Ambient temperature: 22.3°C; Liquid temperature: 22.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7686; ConvF(7.02, 6.43, 6.72) @ 3609 MHz; Calibrated: 2024/10/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1665; Calibrated: 2024/2/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Area Scan (81x111x1):** Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 1.64 W/kg

**Zoom Scan (7x7x8)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=4mm

Reference Value = 26.04 V/m; Power Drift = -0.04 dB

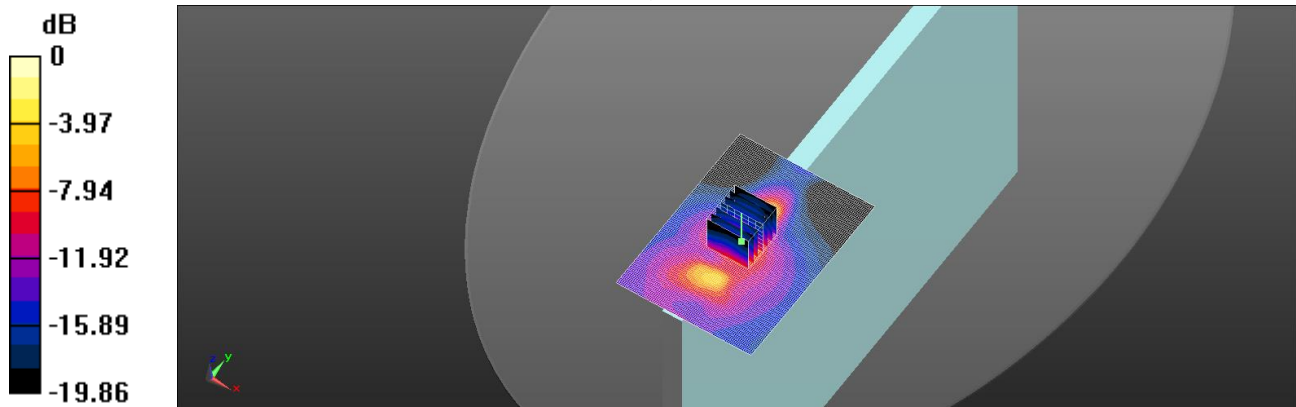
Peak SAR (extrapolated) = 2.55 W/kg

**SAR(1 g) = 1.06 W/kg; SAR(10 g) = 0.389 W/kg**

Smallest distance from peaks to all points 3 dB below = 6.7 mm

Ratio of SAR at M2 to SAR at M1 = 51.9%

Maximum value of SAR (measured) = 1.99 W/kg



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

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Date: 2024/12/12

ID: 043

Report No. :TESA2411000808ES

LTE Band 2(20MHz)\_Body\_Bottom of Laptop\_CH 18700\_QPSK\_1-0\_19mm

Communication System: LTE; Frequency: 1860 MHz; Duty cycle= 1:1

Medium parameters used:  $f = 1860$  MHz;  $\sigma = 1.446$  S/m;  $\epsilon_r = 40.948$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 22.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7686; ConvF(8.34, 7.64, 7.97) @ 1860 MHz; Calibrated: 2024/10/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1665; Calibrated: 2024/2/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Area Scan (71x81x1):** Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 0.430 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.03 V/m; Power Drift = -0.11 dB

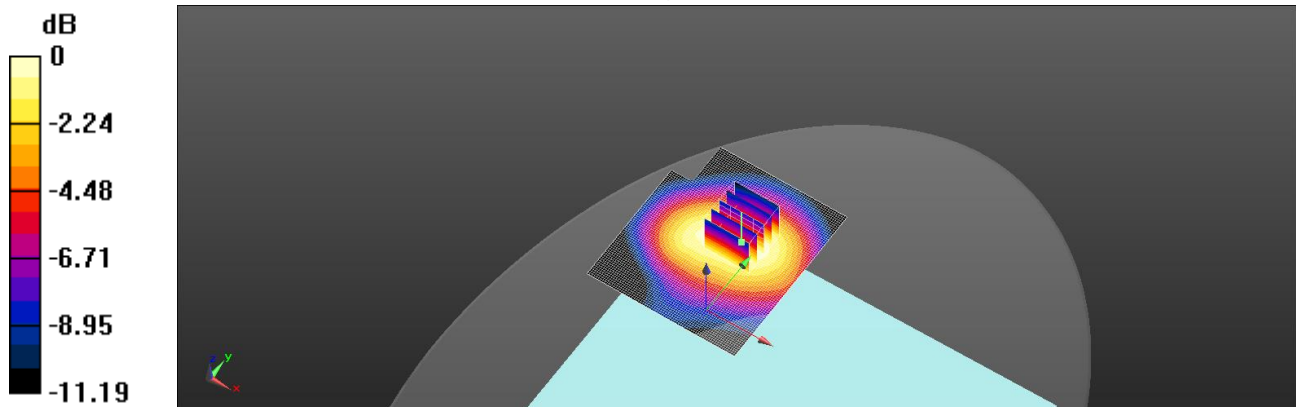
Peak SAR (extrapolated) = 0.461 W/kg

**SAR(1 g) = 0.341 W/kg; SAR(10 g) = 0.236 W/kg**

Smallest distance from peaks to all points 3 dB below = 11.5 mm

Ratio of SAR at M2 to SAR at M1 = 73.4%

Maximum value of SAR (measured) = 0.426 W/kg



0 dB = 0.426 W/kg = -3.71 dBW/kg

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Date: 2024/12/12

ID: 044

Report No. :TESA2411000808ES

LTE Band 4(20MHz)\_Body\_Bottom of Laptop\_CH 20300\_QPSK\_1-0\_19mm

Communication System: LTE; Frequency: 1745 MHz; Duty cycle= 1:1

Medium parameters used:  $f = 1745$  MHz;  $\sigma = 1.409$  S/m;  $\epsilon_r = 40.994$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 22.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7686; ConvF(8.55, 7.83, 8.17) @ 1745 MHz; Calibrated: 2024/10/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1665; Calibrated: 2024/2/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Area Scan (71x81x1):** Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 0.278 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.36 V/m; Power Drift = -0.14 dB

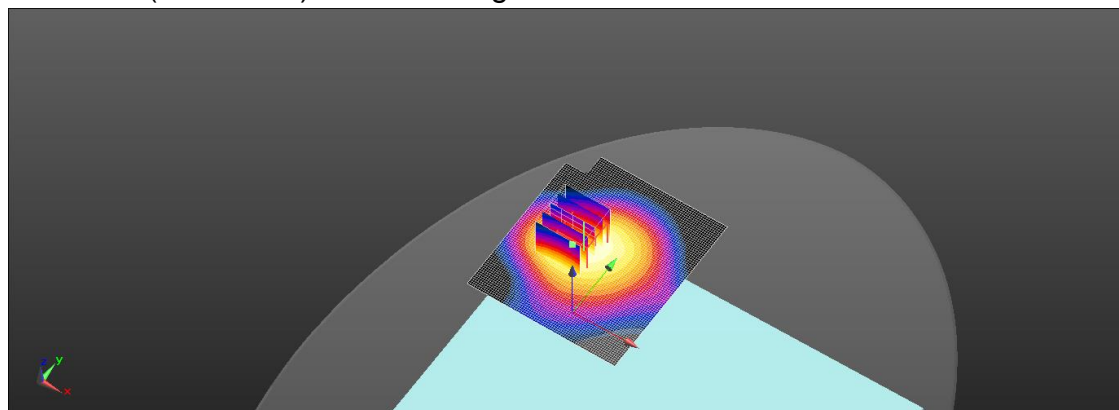
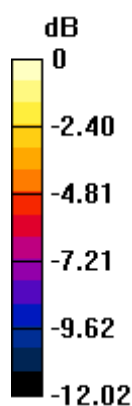
Peak SAR (extrapolated) = 0.293 W/kg

**SAR(1 g) = 0.220 W/kg; SAR(10 g) = 0.152 W/kg**

Smallest distance from peaks to all points 3 dB below = 13.6 mm

Ratio of SAR at M2 to SAR at M1 = 68.5%

Maximum value of SAR (measured) = 0.269 W/kg



0 dB = 0.269 W/kg = -5.70 dBW/kg

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Date: 2024/12/11

ID: 045

Report No. :TESA2411000808ES

LTE Band 5(10MHz)\_Body\_Bottom of Laptop\_CH 20600\_QPSK\_1-0\_19mm

Communication System: LTE; Frequency: 844 MHz; Duty cycle= 1:1

Medium parameters used:  $f = 844 \text{ MHz}$ ;  $\sigma = 0.93 \text{ S/m}$ ;  $\epsilon_r = 42.369$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

Ambient temperature: 22.3°C; Liquid temperature: 22.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7686; ConvF(9.99, 9.15, 9.55) @ 844 MHz; Calibrated: 2024/10/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1665; Calibrated: 2024/2/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Area Scan (71x81x1):** Interpolated grid:  $dx=15 \text{ mm}$ ,  $dy=15 \text{ mm}$ 

Maximum value of SAR (interpolated) = 0.411 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ 

Reference Value = 21.70 V/m; Power Drift = -0.06 dB

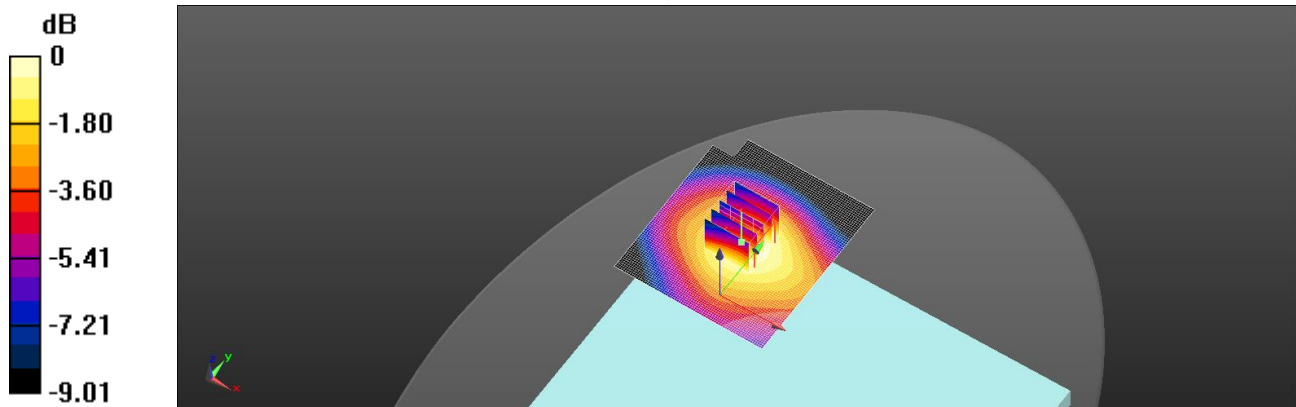
Peak SAR (extrapolated) = 0.438 W/kg

**SAR(1 g) = 0.356 W/kg; SAR(10 g) = 0.273 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 = 76.7%

Maximum value of SAR (measured) = 0.414 W/kg



0 dB = 0.414 W/kg = -3.83 dBW/kg

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Date: 2024/12/13

ID: 046

Report No. :TESA2411000808ES

LTE Band 7(20MHz)\_Body\_Bottom of Laptop\_CH 21350\_QPSK\_1-0\_19mm

Communication System: LTE; Frequency: 2560 MHz; Duty cycle= 1:1

Medium parameters used:  $f = 2560 \text{ MHz}$ ;  $\sigma = 1.975 \text{ S/m}$ ;  $\epsilon_r = 39.923$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

Ambient temperature: 22.2°C; Liquid temperature: 22.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7686; ConvF(7.64, 7, 7.31) @ 2560 MHz; Calibrated: 2024/10/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1665; Calibrated: 2024/2/15
- 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) = 0.351 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.88 V/m; Power Drift = 0.08 dB

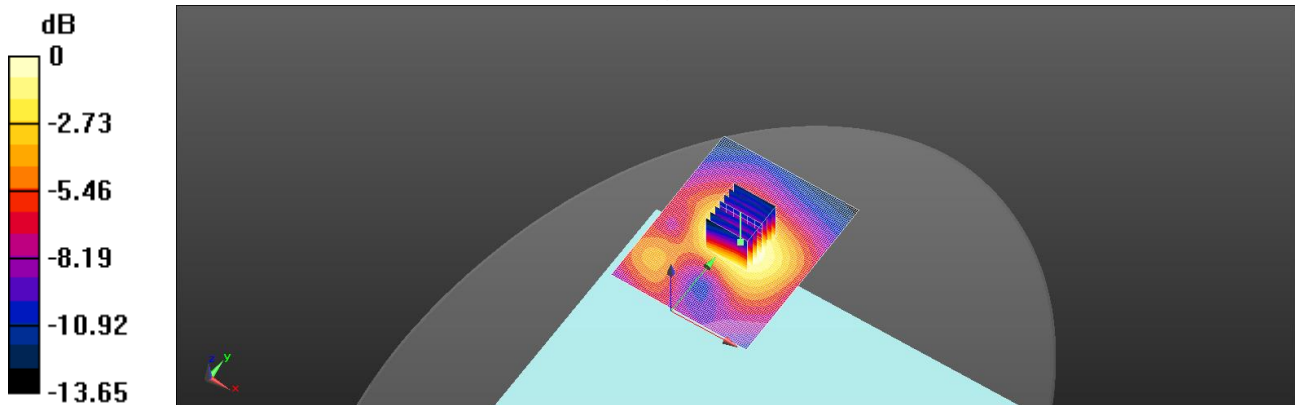
Peak SAR (extrapolated) = 0.388 W/kg

**SAR(1 g) = 0.255 W/kg; SAR(10 g) = 0.158 W/kg**

Smallest distance from peaks to all points 3 dB below = 14 mm

Ratio of SAR at M2 to SAR at M1 = 64.2%

Maximum value of SAR (measured) = 0.343 W/kg



0 dB = 0.343 W/kg = -4.64 dBW/kg

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Date: 2024/12/12

ID: 047

Report No. :TESA2411000808ES

LTE Band 25(20MHz)\_Body\_Bottom of Laptop\_CH 26140\_QPSK\_1-0\_19mm

Communication System: LTE; Frequency: 1860 MHz; Duty cycle= 1:1

Medium parameters used:  $f = 1860 \text{ MHz}$ ;  $\sigma = 1.446 \text{ S/m}$ ;  $\epsilon_r = 40.948$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 22.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7686; ConvF(8.34, 7.64, 7.97) @ 1860 MHz; Calibrated: 2024/10/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1665; Calibrated: 2024/2/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Area Scan (71x81x1):** Interpolated grid:  $dx=15 \text{ mm}$ ,  $dy=15 \text{ mm}$ 

Maximum value of SAR (interpolated) = 0.207 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ 

Reference Value = 11.80 V/m; Power Drift = -0.15 dB

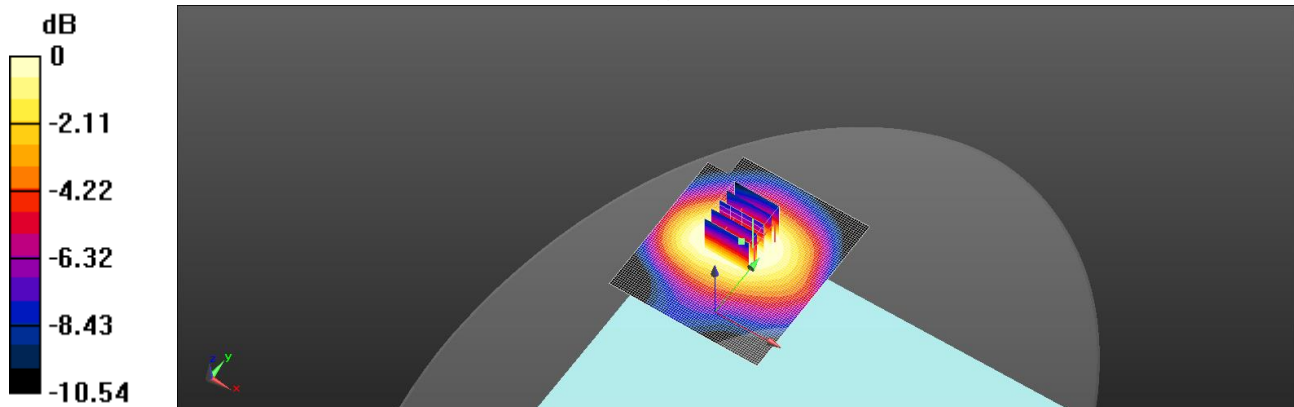
Peak SAR (extrapolated) = 0.183 W/kg

**SAR(1 g) = 0.138 W/kg; SAR(10 g) = 0.097 W/kg**

Smallest distance from peaks to all points 3 dB below = 10.4 mm

Ratio of SAR at M2 to SAR at M1 = 68.4%

Maximum value of SAR (measured) = 0.169 W/kg



0 dB = 0.169 W/kg = -7.71 dBW/kg

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Date: 2024/12/11

ID: 048

Report No. :TESA2411000808ES

LTE Band 26\_FCC(15MHz)\_Body\_Bottom of Laptop\_CH 26765\_QPSK\_1-0\_19mm

Communication System: LTE; Frequency: 821.5 MHz; Duty cycle= 1:1

Medium parameters used:  $f = 821.5 \text{ MHz}$ ;  $\sigma = 0.917 \text{ S/m}$ ;  $\epsilon_r = 42.463$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

Ambient temperature: 22.3°C; Liquid temperature: 22.6°C

## DASY5 Configuration:

- Probe: EX3DV4 - SN7686; ConvF(9.99, 9.15, 9.55) @ 821.5 MHz; Calibrated: 2024/10/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1665; Calibrated: 2024/2/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Area Scan (71x81x1):** Interpolated grid:  $dx=15 \text{ mm}$ ,  $dy=15 \text{ mm}$ 

Maximum value of SAR (interpolated) = 0.00919 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ 

Reference Value = 3.311 V/m; Power Drift = -0.12 dB

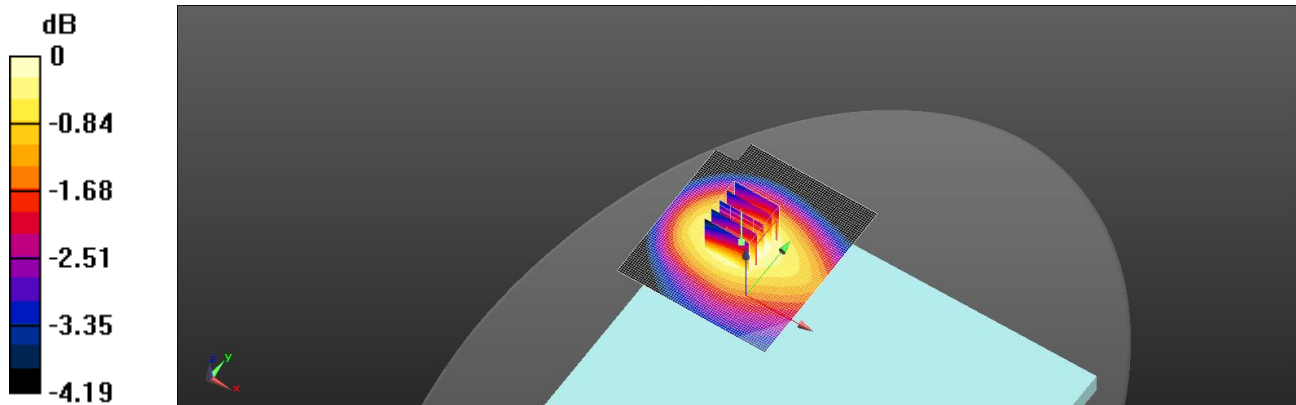
Peak SAR (extrapolated) = 0.00893 W/kg

**SAR(1 g) = 0.00803 W/kg; SAR(10 g) = 0.00692 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 = 73.6%

Maximum value of SAR (measured) = 0.00882 W/kg



0 dB = 0.00871 W/kg = -20.53 dBW/kg

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Date: 2024/12/13

ID: 050

Report No. :TESA2411000808ES

LTE Band 30(10MHz)\_Body\_Bottom of Laptop\_CH 27710\_QPSK\_1-0\_19mm

Communication System: LTE; Frequency: 2310 MHz; Duty cycle= 1:1

Medium parameters used:  $f = 2310$  MHz;  $\sigma = 1.749$  S/m;  $\epsilon_r = 40.317$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Ambient temperature: 22.2°C; Liquid temperature: 22.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7686; ConvF(7.9, 7.23, 7.55) @ 2310 MHz; Calibrated: 2024/10/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1665; Calibrated: 2024/2/15
- 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) = 0.218 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.86 V/m; Power Drift = -0.03 dB

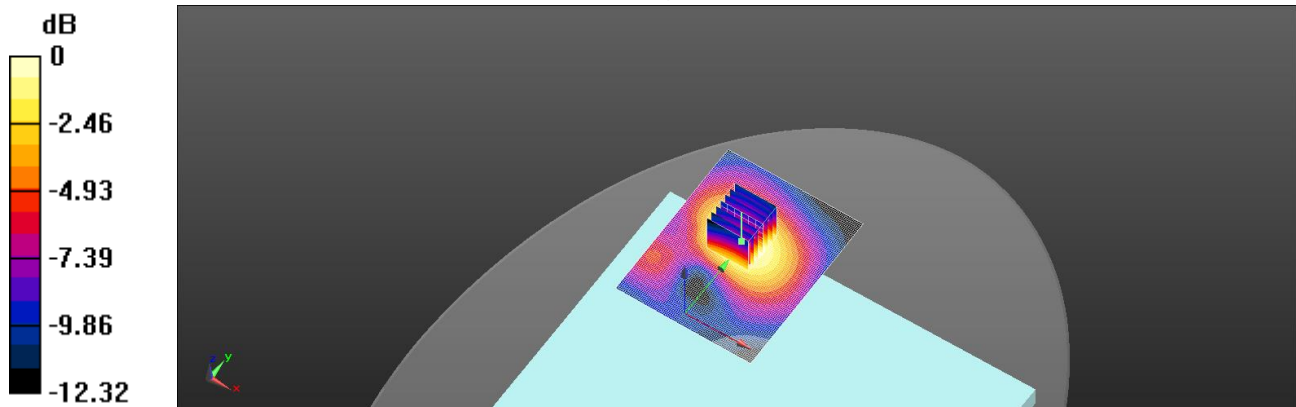
Peak SAR (extrapolated) = 0.237 W/kg

**SAR(1 g) = 0.166 W/kg; SAR(10 g) = 0.107 W/kg**

Smallest distance from peaks to all points 3 dB below = 15 mm

Ratio of SAR at M2 to SAR at M1 = 69.6%

Maximum value of SAR (measured) = 0.216 W/kg



0 dB = 0.216 W/kg = -6.66 dBW/kg

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Date: 2024/12/12

ID: 051

Report No. :TESA2411000808ES

LTE Band 66(20MHz)\_Body\_Bottom of Laptop\_CH 132322\_QPSK\_1-0\_19mm

Communication System: LTE; Frequency: 1745 MHz; Duty cycle= 1:1

Medium parameters used:  $f = 1745 \text{ MHz}$ ;  $\sigma = 1.409 \text{ S/m}$ ;  $\epsilon_r = 40.994$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 22.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7686; ConvF(8.55, 7.83, 8.17) @ 1745 MHz; Calibrated: 2024/10/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1665; Calibrated: 2024/2/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Area Scan (71x81x1):** Interpolated grid:  $dx=15 \text{ mm}$ ,  $dy=15 \text{ mm}$ 

Maximum value of SAR (interpolated) = 0.448 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ 

Reference Value = 18.33 V/m; Power Drift = -0.19 dB

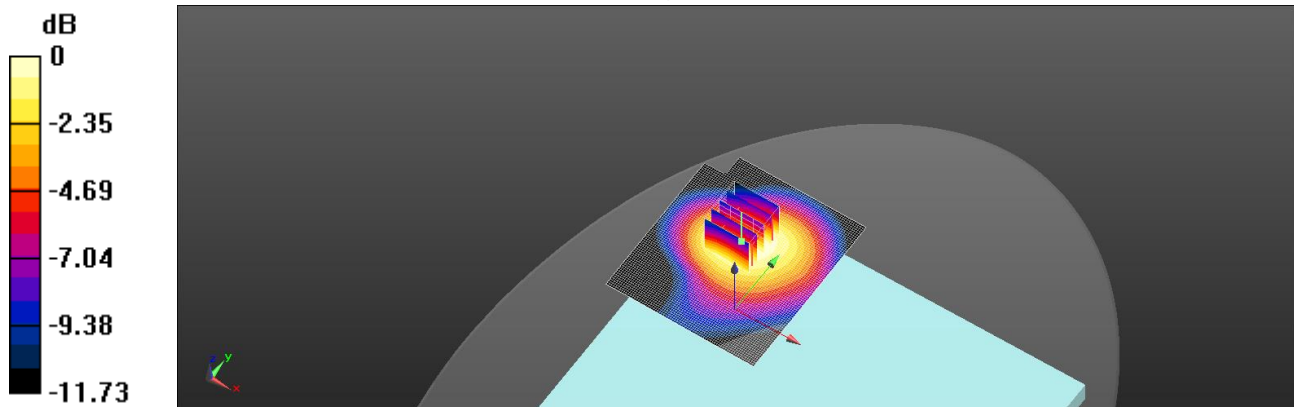
Peak SAR (extrapolated) = 0.456 W/kg

**SAR(1 g) = 0.352 W/kg; SAR(10 g) = 0.247 W/kg**

Smallest distance from peaks to all points 3 dB below = 12.5 mm

Ratio of SAR at M2 to SAR at M1 = 72%

Maximum value of SAR (measured) = 0.428 W/kg



0 dB = 0.428 W/kg = -3.69 dBW/kg

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## 10 SAR SYSTEM CHECK RESULTS

Date: 2024/12/11

Report No. :TESA2411000808ES

Dipole 750 MHz\_SN:1015

Communication System: CW; Frequency: 750 MHz; Duty cycle= 1:1

Medium parameters used:  $f = 750 \text{ MHz}$ ;  $\sigma = 0.904 \text{ S/m}$ ;  $\epsilon_r = 42.839$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

Ambient temperature: 22.3°C°C; Liquid temperature: 22.6°C°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7686; ConvF(10.49, 9.6, 10.03) @ 750 MHz; Calibrated: 2024/10/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1665; Calibrated: 2024/2/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Area Scan (81x161x1):** Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 3.10 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 53.87 V/m; Power Drift = -0.01 dB

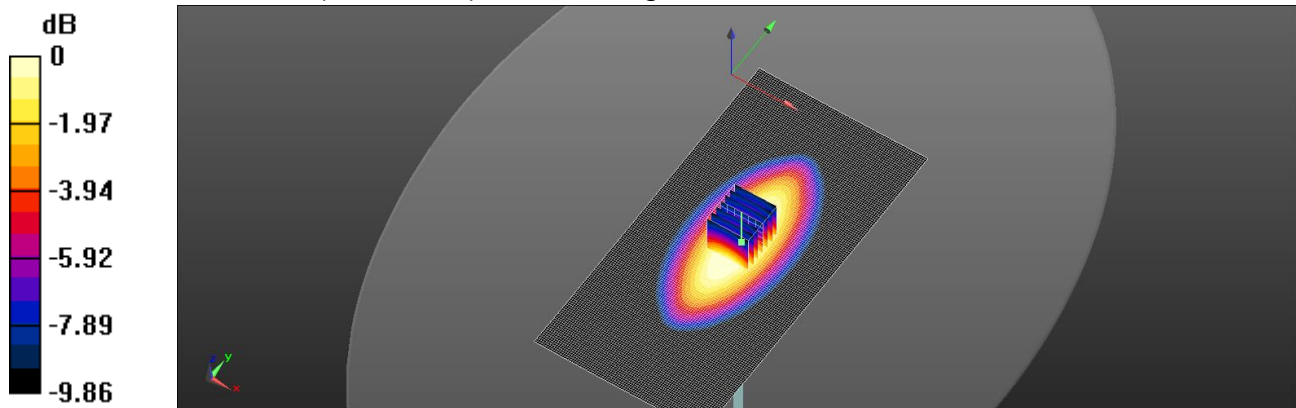
Peak SAR (extrapolated) = 2.93 W/kg

**SAR(1 g) = 2.03 W/kg; SAR(10 g) = 1.36 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 = 69.1%

Maximum value of SAR (measured) = 2.53 W/kg



0 dB = 2.53 W/kg = 4.04 dBW/kg

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Date: 2024/12/11

**Report No. :TESA2411000808ES****Dipole 835 MHz\_SN:4d063**

Communication System: CW; Frequency: 835 MHz; Duty cycle= 1:1

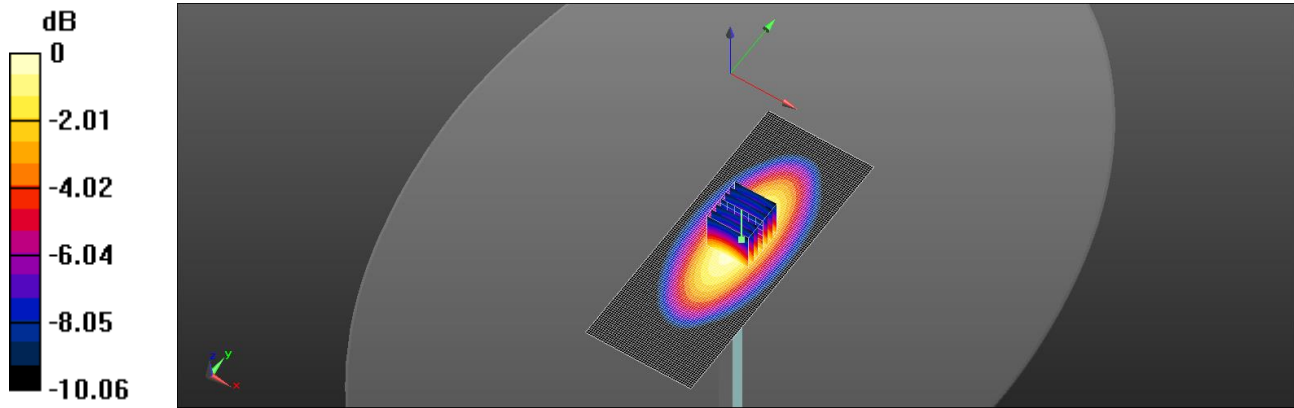
Medium parameters used:  $f = 835 \text{ MHz}$ ;  $\sigma = 0.925 \text{ S/m}$ ;  $\epsilon_r = 42.432$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

Ambient temperature:  $22.3^\circ\text{C}$ ; Liquid temperature:  $22.6^\circ\text{C}$ 

DASY5 Configuration:

- Probe: EX3DV4 - SN7686; ConvF(9.99, 9.15, 9.55) @ 835 MHz; Calibrated: 2024/10/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1665; Calibrated: 2024/2/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Area Scan (51x131x1):** Interpolated grid:  $dx=15 \text{ mm}$ ,  $dy=15 \text{ mm}$ Maximum value of SAR (interpolated) =  $3.06 \text{ W/kg}$ **Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $58.65 \text{ V/m}$ ; Power Drift =  $0.02 \text{ dB}$ Peak SAR (extrapolated) =  $3.61 \text{ W/kg}$ **SAR(1 g) =  $2.48 \text{ W/kg}$ ; SAR(10 g) =  $1.65 \text{ W/kg}$** Smallest distance from peaks to all points 3 dB below =  $22.7 \text{ mm}$ Ratio of SAR at M2 to SAR at M1 =  $68.6\%$ Maximum value of SAR (measured) =  $3.11 \text{ W/kg}$  $0 \text{ dB} = 3.11 \text{ W/kg} = 4.92 \text{ dBW/kg}$ 

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Date: 2024/12/12

**Report No. :TESA2411000808ES****Dipole 1750 MHz\_SN:1158**

Communication System: CW; Frequency: 1750 MHz; Duty cycle= 1:1

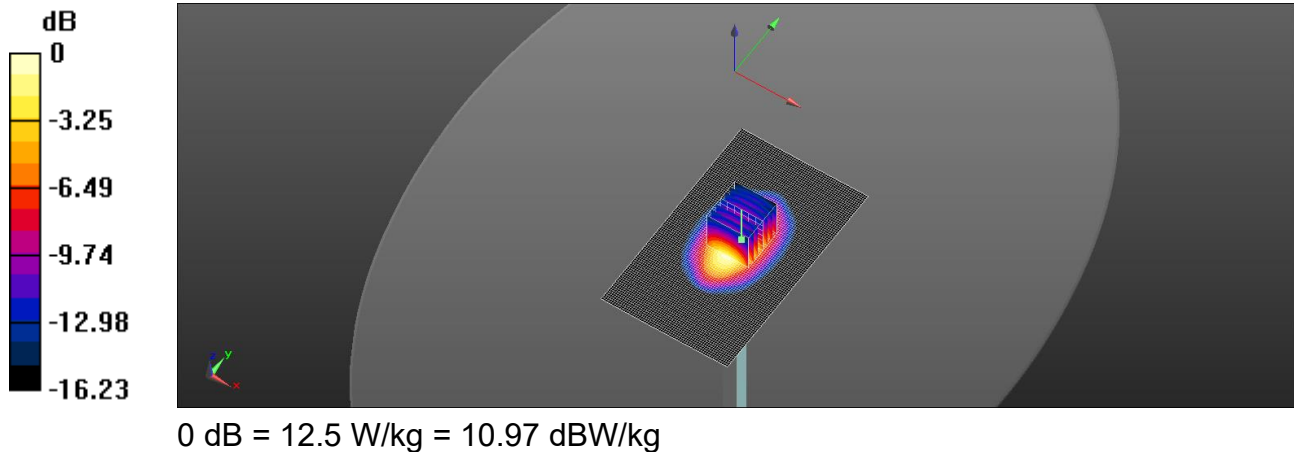
Medium parameters used:  $f = 1750 \text{ MHz}$ ;  $\sigma = 1.416 \text{ S/m}$ ;  $\epsilon_r = 40.985$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

Ambient temperature:  $22.4^\circ\text{C}$ ; Liquid temperature:  $22.6^\circ\text{C}$ 

DASY5 Configuration:

- Probe: EX3DV4 - SN7686; ConvF(8.55, 7.83, 8.17) @ 1750 MHz; Calibrated: 2024/10/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1665; Calibrated: 2024/2/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Area Scan (61x101x1):** Interpolated grid:  $dx=15 \text{ mm}$ ,  $dy=15 \text{ mm}$ Maximum value of SAR (interpolated) =  $13.1 \text{ W/kg}$ **Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $95.89 \text{ V/m}$ ; Power Drift =  $0.02 \text{ dB}$ Peak SAR (extrapolated) =  $15.8 \text{ W/kg}$ **SAR(1 g) =  $8.94 \text{ W/kg}$ ; SAR(10 g) =  $4.84 \text{ W/kg}$** Smallest distance from peaks to all points 3 dB below =  $10 \text{ mm}$ Ratio of SAR at M2 to SAR at M1 =  $57.6\%$ Maximum value of SAR (measured) =  $12.5 \text{ W/kg}$ 

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Date: 2024/12/12

**Report No. :TESA2411000808ES****Dipole 1900 MHz\_SN:5d056**

Communication System: CW; Frequency: 1900 MHz; Duty cycle= 1:1

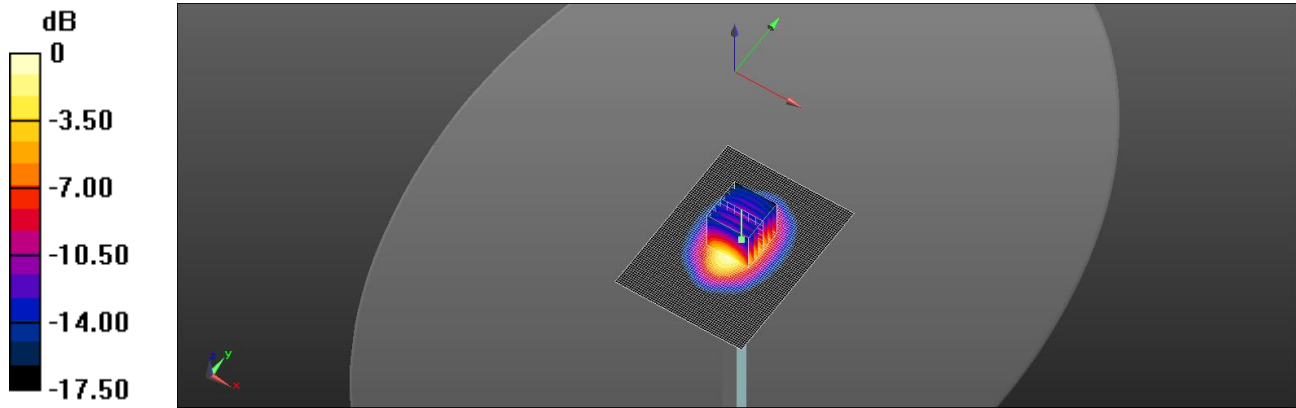
Medium parameters used:  $f = 1900 \text{ MHz}$ ;  $\sigma = 1.45 \text{ S/m}$ ;  $\epsilon_r = 40.853$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

Ambient temperature:  $22.4^\circ\text{C}$ ; Liquid temperature:  $22.6^\circ\text{C}$ 

DASY5 Configuration:

- Probe: EX3DV4 - SN7686; ConvF(8.34, 7.64, 7.97) @ 1900 MHz; Calibrated: 2024/10/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1665; Calibrated: 2024/2/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Area Scan (61x81x1):** Interpolated grid:  $dx=15 \text{ mm}$ ,  $dy=15 \text{ mm}$ Maximum value of SAR (interpolated) =  $13.8 \text{ W/kg}$ **Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $96.20 \text{ V/m}$ ; Power Drift =  $0.00 \text{ dB}$ Peak SAR (extrapolated) =  $16.6 \text{ W/kg}$ **SAR(1 g) =  $9.17 \text{ W/kg}$ ; SAR(10 g) =  $4.8 \text{ W/kg}$** Smallest distance from peaks to all points 3 dB below =  $10 \text{ mm}$ Ratio of SAR at M2 to SAR at M1 =  $55.7\%$ Maximum value of SAR (measured) =  $13.1 \text{ W/kg}$  $0 \text{ dB} = 13.1 \text{ W/kg} = 11.16 \text{ dBW/kg}$ 

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Date: 2024/12/13

Report No. :TESA2411000808ES

Dipole 2300 MHz\_SN:1009

Communication System: CW; Frequency: 2300 MHz; Duty cycle= 1:1

Medium parameters used:  $f = 2300$  MHz;  $\sigma = 1.74$  S/m;  $\epsilon_r = 40.323$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Ambient temperature: 22.2°C°C; Liquid temperature: 22.8°C°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7686; ConvF(7.9, 7.23, 7.55) @ 2300 MHz; Calibrated: 2024/10/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1665; Calibrated: 2024/2/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Area Scan (71x121x1):** Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 20.4 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 95.21 V/m; Power Drift = -0.01 dB

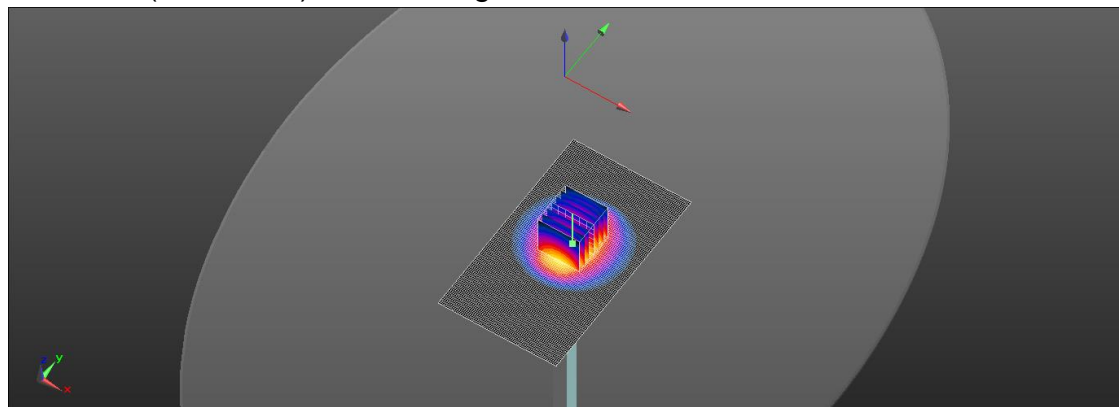
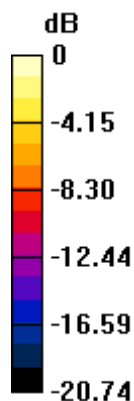
Peak SAR (extrapolated) = 25.7 W/kg

**SAR(1 g) = 12.9 W/kg; SAR(10 g) = 6.16 W/kg**

Smallest distance from peaks to all points 3 dB below = 9.2 mm

Ratio of SAR at M2 to SAR at M1 = 51.2%

Maximum value of SAR (measured) = 19.4 W/kg



0 dB = 19.4 W/kg = 12.88 dBW/kg

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Date: 2024/12/13

Report No. :TESA2411000808ES

Dipole 2600 MHz\_SN:1005

Communication System: CW; Frequency: 2600 MHz; Duty cycle= 1:1

Medium parameters used:  $f = 2600$  MHz;  $\sigma = 2.017$  S/m;  $\epsilon_r = 39.895$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Ambient temperature: 22.2°C°C; Liquid temperature: 22.8°C°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7686; ConvF(7.64, 7, 7.31) @ 2600 MHz; Calibrated: 2024/10/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1665; Calibrated: 2024/2/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Area Scan (91x111x1):** Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 22.5 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 96.32 V/m; Power Drift = 0.09 dB

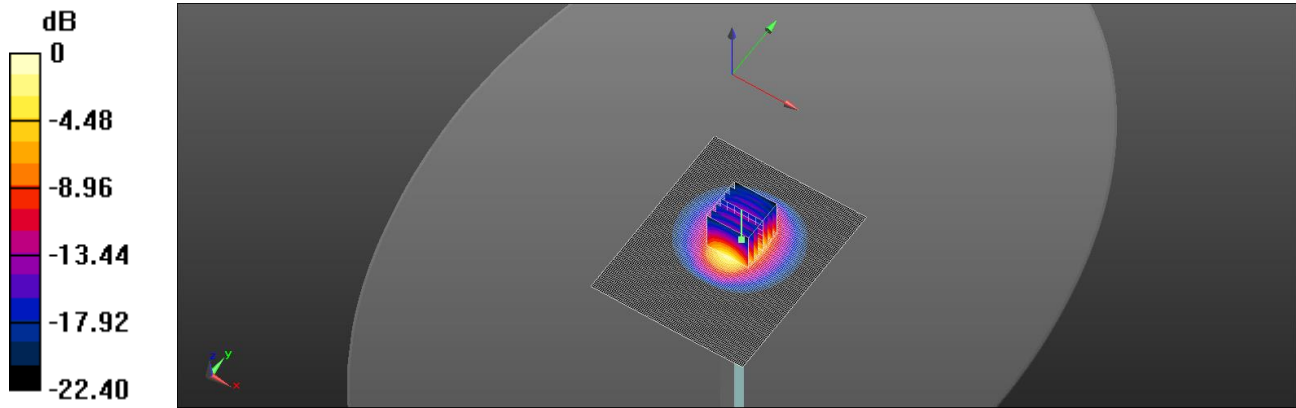
Peak SAR (extrapolated) = 29.5 W/kg

**SAR(1 g) = 14.2 W/kg; SAR(10 g) = 6.62 W/kg**

Smallest distance from peaks to all points 3 dB below = 9.5 mm

Ratio of SAR at M2 to SAR at M1 = 48.5%

Maximum value of SAR (measured) = 21.8 W/kg



0 dB = 21.8 W/kg = 13.39 dBW/kg

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Date: 2024/12/14

**Report No. :TESA2411000808ES****Dipole 3500 MHz\_SN:1017**

Communication System: CW; Frequency: 3500 MHz; Duty cycle= 1:1

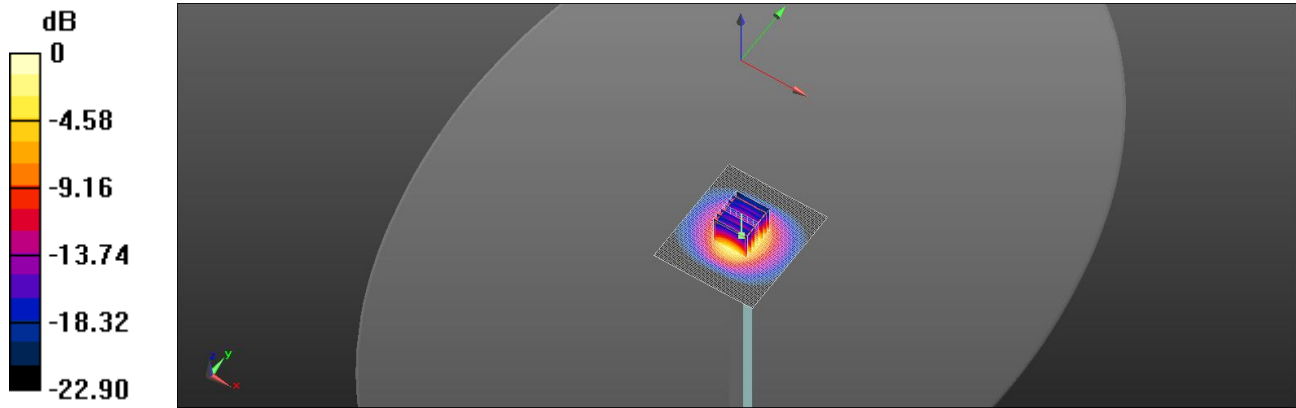
Medium parameters used:  $f = 3500 \text{ MHz}$ ;  $\sigma = 2.973 \text{ S/m}$ ;  $\epsilon_r = 38.874$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

Ambient temperature:  $22.3^\circ\text{C}$ ; Liquid temperature:  $22.5^\circ\text{C}$ 

DASY5 Configuration:

- Probe: EX3DV4 - SN7686; ConvF(7.26, 6.65, 6.94) @ 3500 MHz; Calibrated: 2024/10/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1665; Calibrated: 2024/2/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Area Scan (71x81x1):** Interpolated grid:  $dx=10 \text{ mm}$ ,  $dy=10 \text{ mm}$ Maximum value of SAR (interpolated) =  $11.7 \text{ W/kg}$ **Zoom Scan (7x7x12)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=2\text{mm}$ Reference Value =  $65.72 \text{ V/m}$ ; Power Drift =  $0.01 \text{ dB}$ Peak SAR (extrapolated) =  $16.2 \text{ W/kg}$ **SAR(1 g) =  $6.7 \text{ W/kg}$ ; SAR(10 g) =  $2.59 \text{ W/kg}$** Smallest distance from peaks to all points 3 dB below =  $8.6 \text{ mm}$ Ratio of SAR at M2 to SAR at M1 =  $69.7\%$ Maximum value of SAR (measured) =  $11.4 \text{ W/kg}$  $0 \text{ dB} = 11.4 \text{ W/kg} = 10.55 \text{ dBW/kg}$ 

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Date: 2024/12/14

**Report No. :TESA2411000808ES****Dipole 3700 MHz\_SN:1074**

Communication System: CW; Frequency: 3700 MHz; Duty cycle= 1:1

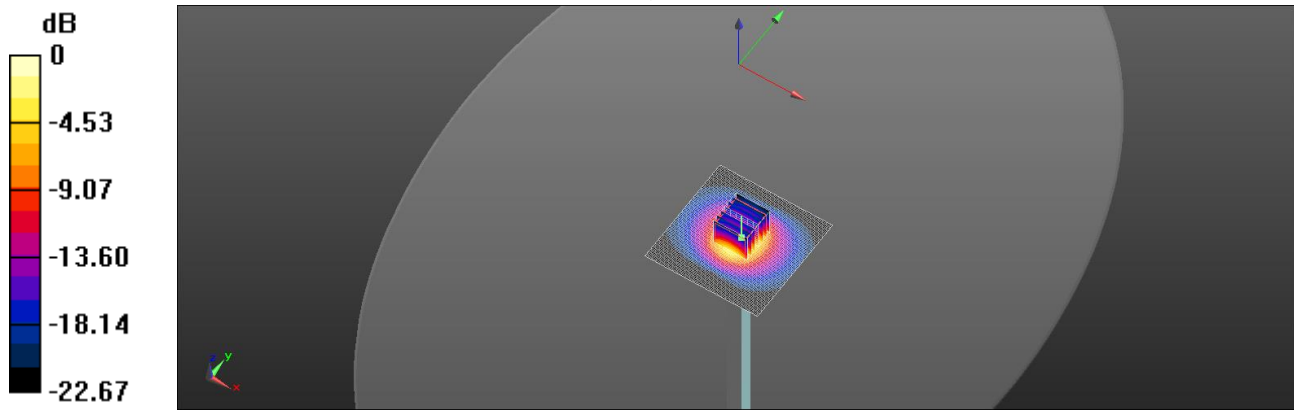
Medium parameters used:  $f = 3700 \text{ MHz}$ ;  $\sigma = 3.173 \text{ S/m}$ ;  $\epsilon_r = 38.566$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

Ambient temperature:  $22.3^\circ\text{C}$ ; Liquid temperature:  $22.5^\circ\text{C}$ 

DASY5 Configuration:

- Probe: EX3DV4 - SN7686; ConvF(7.02, 6.43, 6.72) @ 3700 MHz; Calibrated: 2024/10/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1665; Calibrated: 2024/2/15
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Area Scan (81x81x1):** Interpolated grid:  $dx=10 \text{ mm}$ ,  $dy=10 \text{ mm}$ Maximum value of SAR (interpolated) =  $11.4 \text{ W/kg}$ **Zoom Scan (7x7x12)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=2\text{mm}$ Reference Value =  $63.53 \text{ V/m}$ ; Power Drift =  $0.10 \text{ dB}$ Peak SAR (extrapolated) =  $16.8 \text{ W/kg}$ **SAR(1 g) =  $6.49 \text{ W/kg}$ ; SAR(10 g) =  $2.44 \text{ W/kg}$** Smallest distance from peaks to all points 3 dB below =  $8.4 \text{ mm}$ Ratio of SAR at M2 to SAR at M1 =  $67.7\%$ Maximum value of SAR (measured) =  $11.2 \text{ W/kg}$  $0 \text{ dB} = 11.2 \text{ W/kg} = 10.48 \text{ dBW/kg}$ 

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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## 11 APPENDIXES

Refer to separated files for the following appendixes.

11.1 SAR\_Appendix A Photographs

11.2 SAR\_Appendix B DAE & Probe Cal. Certificate

11.3 SAR\_Appendix C Phantom Description & Dipole Cal. Certificate

**- End of report -**

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