A Test Lab Techno Corp.

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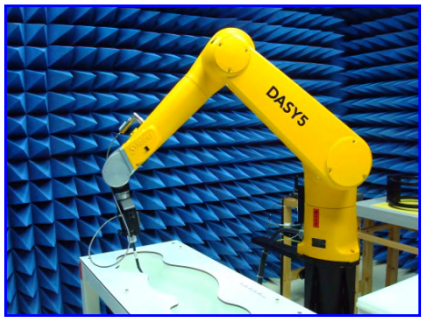
SAR EVALUATION REPORT

Test Report No.	:	1704FS14
Applicant	:	Shenzhen Tuge Information Limited Inc
Applicant Address	:	Room 406,25 Building ,Nanshan Science Park west industrial area, Shenzhen, Guangdong Province,China
Product Type	:	4G Wireless Data Terminal
Trade Name	:	MASTER ROAM
Model Number	:	T3
Date of Received	:	Mar. 18, 2017
Test Period	:	Mar. 29 ~ Apr. 11, 2017
Date of Issued	:	May 09, 2017
Test Environment	:	Ambient Temperature： 22 ±2 ° C Relative Humidity：40 - 70 %
Standard	:	ANSI/IEEE C95.1-1992 / IEEE Std. 1528-2013 47 CFR Part §2.1093 KDB 865664 D01 v01r04 / KDB 865664 D02 v01r02 KDB 447498 D01 v06 / KDB 941225 D01 v03r01 KDB 941225 D05 v02r05 / KDB 941225 D06 v02r01 KDB 248227 D01 v02r02
Test Lab Location	:	Chang-an Lab



1. The test operations have to be performed with cautious behavior, the test results are as attached.
2. The test results are under chamber environment of A Test Lab Techno Corp. A Test Lab Techno Corp. does not assume responsibility for any conclusions and generalizations drawn from the test results with regard to other specimens or samples.
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Approved By : Bill Hu (Bill Hu)

Tested By : Mark Duan (Mark Duan)

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1. Summary of Maximum Reported SAR Value

Equipment Class	Mode	Highest Reported			
		Head SAR_{1g} (W/kg)	Body SAR_{1g} (W/kg)	Body stand alone SAR_{1g} (W/kg)	Hotspot SAR_{1g} (W/kg)
PCB	GPRS/EGPRS 850	N/A	N/A	0.45	N/A
	GPRS/EGPRS 1900	N/A	N/A	0.62	N/A
	WCDMA(RMC-12.2K)/HSDPA/ HSUPA/HSPA+ BandII	N/A	N/A	1.04	N/A
	WCDMA(RMC-12.2K)/HSDPA/ HSUPA/HSPA+ BandIV	N/A	N/A	1.44	N/A
	WCDMA(RMC-12.2K)/HSDPA/ HSUPA/HSPA+ BandV	N/A	N/A	1.21	N/A
	LTE Band2	N/A	N/A	0.86	N/A
	LTE Band4	N/A	N/A	0.88	N/A
	LTE Band5	N/A	N/A	0.58	N/A
	LTE Band7	N/A	N/A	1.07	N/A
	LTE Band17	N/A	N/A	0.34	N/A
	LTE Band41	N/A	N/A	0.25	N/A
DTS	2.4GHz WLAN	N/A	N/A	0.06	N/A
Highest Simultaneous Transmission SAR		Head SAR_{1g} (W/kg)	Body SAR_{1g} (W/kg)	Body stand alone SAR_{1g} (W/kg)	Hotspot SAR_{1g} (W/kg)
PCB+DTS at test position side2		N/A	N/A	1.46	N/A

NOTE: 1. The N/A is EUT not apply to the assessment of the exposure conditions.

2. The SAR limit (Head & Body: SAR1g 1.6 W/kg) for general population / uncontrolled exposure is specified in FCC 47 CFR part 2 (2.1093) and ANSI/IEEE C95.1-1992.

2. Description of Equipment under Test (EUT)

Applicant	Shenzhen Tuge Information Limited Inc Room 406,25 Building ,Nanshan Science Park west industrial area, Shenzhen, Guangdong Province,China	
Manufacture	Shenzhen Tuge Information Limited Inc Room 406,25 Building ,Nanshan Science Park west industrial area, Shenzhen, Guangdong Province,China	
Product Type	4G Wireless Data Terminal	
Trade Name	MASTER ROAM	
Model Number	T3	
Module use	Module 1:QUALCOMM, MSM6290 Module 2:QUALCOMM, MSM8916	
IMEI No.	869666028468484 (for Module: MSM6290) 869666028463824 (for Module: MSM8916)	
FCC ID	2AIC4-TGT3	
RF Function	Operate Bands	Operate Frequency (MHz)
	GPRS/EGPRS 850	824.2 - 848.8
	GPRS/EGPRS 1900	1850.2 - 1909.8
	WCDMA(RMC 12.2K) / HSDPA / HSUPA Band II	1852.4 - 1907.6
	WCDMA (RMC 12.2K) / HSDPA / HSUPA Band V	826.4 - 846.6
	WCDMA (RMC 12.2K) / HSDPA / HSUPA Band IV	1712.4 - 1752.6
	LTE Band 2 (BW 1.4, 3, 5, 10, 15, 20 MHz)	1850 - 1910
	LTE Band 4 (BW 1.4, 3, 5, 10, 15, 20 MHz)	1710 - 1755
	LTE Band 5 (BW 1.4, 3, 5, 10 MHz)	824 - 849
	LTE Band 7 (BW 5, 10, 15, 20 MHz)	2500 - 2570
	LTE Band 17 (BW 5, 10 MHz)	704 - 716
	LTE Band 41 (BW 5, 10, 15, 20 MHz)	2498.5 - 2687.5
	IEEE 802.11b / 802.11g / 802.11n 2.4GHz 20MHz	2412 - 2462
	*GPRS Multi Class: 33	
Antenna Type	Internal Antenna	
Battery Option	Standard	
	Trade Name: LARGE Model: A26 Spec: DC 5V / 5000mAh	
Device Category	Portable Device	
Application Type	Certification	

Note:The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.

3. Introduction

The A Test Lab Techno Corp. has performed measurements of the maximum potential exposure to the user of **Shenzhen Tuge Information Limited Inc Trade Name：MASTER ROAM Model(s)：T3**. The test procedures, as described in American National Standards, Institute C95.1-1999〔1〕were employed and they specify the maximum exposure limit of 1.6mW/g as averaged over any 1 gram of tissue for portable devices being used within 20cm between user and EUT in the uncontrolled environment. A description of the product and operating configuration, detailed summary of the test results, methodology and procedures used in the equipment used are included within this test report.

3.1 SAR Definition

Specific Absorption Rate (SAR) is defined as the time derivative (rate) of the incremental energy (dw) absorbed by (dissipated in) an incremental mass (dm) contained in a volume element (dv) of a given density (ρ). It is also defined as the rate of RF energy absorption per unit mass at a point in an absorbing body (see Figure 2).

$$SAR = \frac{d}{dt}\left(\frac{dw}{dm}\right) = \frac{d}{dt}\left(\frac{dw}{\rho dv}\right)$$

Figure 2. **SAR Mathematical Equation**

SAR is expressed in units of Watts per kilogram (W/kg)

$$SAR = \frac{\sigma E^2}{\rho}$$

Where：

σ = conductivity of the tissue (S/m)

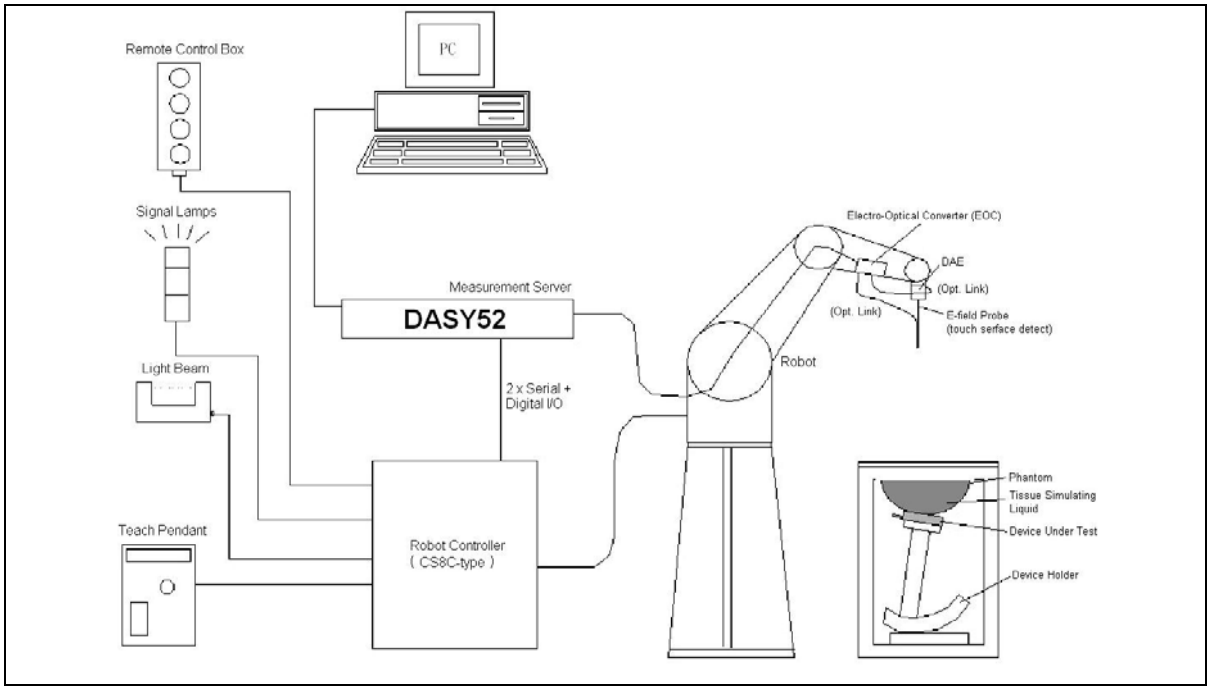
ρ = mass density of the tissue (kg/m3)

E = RMS electric field strength (V/m)

＊Note：

The primary factors that control rate of energy absorption were found to be the wavelength of the incident field in relations to the dimensions and geometry of the irradiated organism, the orientation of the organism in relation to the polarity of field vectors, the presence of reflecting surfaces, and whether conductive contact is made by the organism with a ground plane〔2〕

4. SAR Measurement Setup



The DASY52 system for performing compliance tests consists of the following items:

1. A standard high precision 6-axis robot (Stäubli TX family) with controller, teach pendant and software. An arm extension for accommodating the data acquisition electronics (DAE).
2. A dosimetric probe, i.e., an isotropic E-field probe optimized and calibrated for usage in tissue simulating liquid. The probe is equipped with an optical surface detector system.
3. A data acquisition electronics (DAE) which performs the signal amplification, signal multiplexing, AD-conversion, offset measurements, mechanical surface detection, collision detection, etc. The unit is battery powered with standard or rechargeable batteries. The signal is optically transmitted to the EOC.
4. The function of the measurement server is to perform the time critical tasks such as signal filtering, control of the robot operation and fast movement interrupts.
5. A probe alignment unit which improves the (absolute) accuracy of the probe positioning.
6. A computer operating Windows 2000 or Windows XP.
7. DASY52 software.
8. Remote controls with teach pendant and additional circuitry for robot safety such as warning lamps, etc.
9. The SAM twin phantom enabling testing left-hand and right-hand usage.
10. The device holder for handheld mobile phones.
11. Tissue simulating liquid mixed according to the given recipes.
12. Validation dipole kits allowing validating the proper functioning of the system.

4.1 DASY E-Field Probe System

The SAR measurements were conducted with the dosimetric probe (manufactured by SPEAG), designed in the classical triangular configuration〔3〕and optimized for dosimetric evaluation. The probes is constructed using the thick film technique; with printed resistive lines on ceramic substrates. The probe is equipped with an optical multi-fiber line ending at the front of the probe tip. It is connected to the EOC box on the robot arm and provides an automatic detection of the phantom surface. Half of the fibers are connected to a pulsed infrared transmitter, the other half to a synchronized receiver. As the probe approaches the surface, the reflection from the surface produces a coupling from the transmitting to the receiving fibers. This reflection increases first during the approach, reaches maximum and then decreases. If the probe is flatly touching the surface, the coupling is zero. The distance of the coupling maximum to the surface is independent of the surface reflectivity and largely independent of the surface to probe angle. The DASY software reads the reflection during a software approach and looks for the maximum using a 2nd order fitting. The approach is stopped when reaching the maximum.

4.1.1 E-Field Probe Specification

Construction	Symmetrical design with triangular core
	Built-in shielding against static charges
	PEEK enclosure material (resistant to organic solvents, e.g., DGBE)
Calibration	ISO/IEC 17025 calibration service available
Frequency	10 MHz to > 6 GHz
	Linearity: ± 0.2 dB (30 MHz to 6 GHz)
Directivity	±0.3 dB in brain tissue (rotation around probe axis)
	±0.5 dB in brain tissue (rotation normal probe axis)
Dimensions	Overall length: 337 mm (Tip: 20 mm)
	Tip diameter: 2.5 mm (Body: 12 mm)
	Typical distance from probe tip to dipole centers: 1 mm

Figure 3. E-field Probe

Figure 4. Probe setup on robot

4.1.2 E-Field Probe Calibration process

Dosimetric Assessment Procedure

Each E-Probe/Probe Amplifier combination has unique calibration parameters. A TEM cell calibration procedure is conducted to determine the proper amplifier settings to enter in the probe parameters. The amplifier settings are determined for a given frequency by subjecting the probe to a known E-field density (1 mW/cm^2) using an RF Signal generator, TEM cell, and RF Power Meter.

Free Space Assessment

The free space E-field from amplified probe outputs is determined in a test chamber. This calibration can be performed in a TEM cell if the frequency is below 1 GHz and in a waveguide or other methodologies above 1 GHz for free space. For the free space calibration, the probe is placed in the volumetric center of the cavity and at the proper orientation with the field. The probe is rotated 360 degrees until the three channels show the maximum reading. The power density readings equates to 1 mW/cm^2.

Temperature Assessment

E-field temperature correlation calibration is performed in a flat phantom filled with the appropriate simulated head tissue. The E-field in the medium correlates with the temperature rise in the dielectric medium. For temperature correlation calibration a RF transparent thermistor-based temperature probe is used in conjunction with the E-field probe.

$$SAR = C\frac{\Delta T}{\Delta t}$$

Where：

Δt = Exposure time (30 seconds),

C = Heat capacity of tissue (head or body),

ΔT = Temperature increase due to RF exposure.

$$\text{Or} \quad SAR = \frac{|E|^2 \sigma}{\rho}$$

Where：

σ = Simulated tissue conductivity,

ρ = Tissue density (kg/m^3).

4.2 Data Acquisition Electronic (DAE) System

Model：	DAE3, DAE4
Construction：	Signal amplifier, multiplexer, A/D converter and control logic. Serial optical link for communication with DASY4/5 embedded system (fully remote controlled). Two step probe touch detector for mechanical surface detection and emergency robot stop.
Measurement Range：	-100 to +300 mV (16 bit resolution and two range settings: 4mV, 400mV)
Input Offset Voltage：	< 5µV (with auto zero)
Input Bias Current：	< 50 fA
Dimensions：	60 x 60 x 68 mm

4.3 Robot

Positioner：	Stäubli Unimation Corp. Robot Model: TX90XL
Repeatability：	±0.02 mm
No. of Axis：	6

4.4 Measurement Server

Processor：	PC/104 with a 400MHz intel ULV Celeron
I/O-board：	Link to DAE4 (or DAE3) 16-bit A/D converter for surface detection system Digital I/O interface Serial link to robot Direct emergency stop output for robot

4.5 Device Holder

The DASY device holder is constructed of low-loss POM material having the following dielectric parameters: relative permittivity ε=3 and loss tangent δ=0.02. The amount of dielectric material has been reduced in the closest vicinity of the device, since measurements have suggested that the influence of the clamp on the test results could thus be lowered.

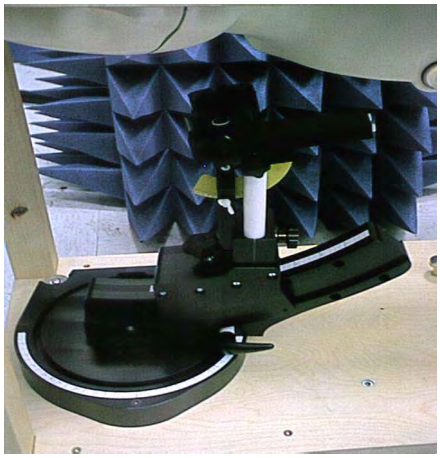


Figure 5. Device Holder

4.6 Oval Flat Phantom - ELI 4.0

The shell corresponds to the specifications of the Specific Anthropomorphic Mannequin (Oval Flat) phantom defined in IEEE 1528-2013, CENELEC 50361 and IEC 62209. It enables the dosimetric evaluation of wireless portable device usage as well as body mounted usage at the flat phantom region. A cover prevents evaporation of the liquid. Reference markings on the phantom allow the complete setup of all predefined phantom positions and measurement grids by manually teaching three points with the robot.

Shell Thickness	2 ±0.2 mm
Filling Volume	Approx. 30 liters
Dimensions	190×600×400 mm (H×L×W)

Table 1. Specification of ELI 4.0

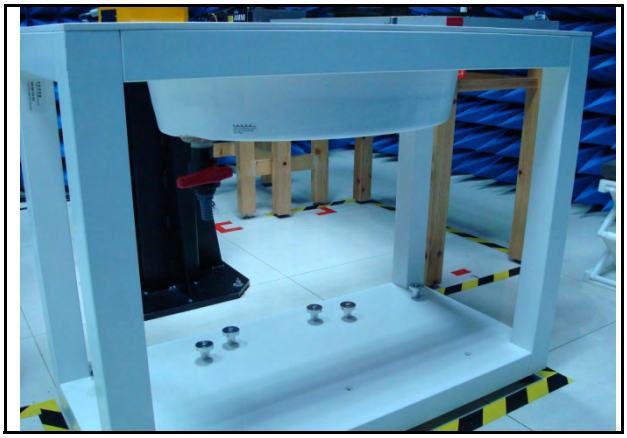


Figure 6. Oval Flat Phantom

4.7 Data Storage and Evaluation

4.7.1 Data Storage

The DASY software stores the assessed data from the data acquisition electronics as raw data (in microvolt readings from the probe sensors), together with all the necessary software parameters for the data evaluation (probe calibration data, liquid parameters and device frequency and modulation data) in measurement files with the extension DA4 or DA5. The post processing software evaluates the desired unit and format for output each time the data is visualized or exported. This allows verification of the complete software setup even after the measurement and allows correction of erroneous parameter settings. For example, if a measurement has been performed with an incorrect crest factor parameter in the device setup, the parameter can be corrected afterwards and the data can be reevaluated.

4.7.2 Data Evaluation

The DASY post processing software (SEMCAD) automatically executes the following procedures to calculate the field units from the microvolt readings at the probe connector. The parameters used in the evaluation are stored in the configuration modules of the software：

Probe parameters： - Sensitivity *Normi, ai0, ai1, ai2*
- Conversion factor *ConvFi*
- Diode compression point *dcpi*

Device parameters： - Frequency *f*
- Crest factor *cf*

Media parameters： - Conductivity *σ*
- Density *ρ*

These parameters must be set correctly in the software. They can be found in the component documents or they can be imported into the software from the configuration files issued for the DASY components. In the direct measuring mode of the multimeter option, the parameters of the actual system setup are used. In the scan visualization and export modes, the parameters stored in the corresponding document files are used.
The first step of the evaluation is a linearization of the filtered input signal to account for the compression characteristics of the detector diode. The compensation depends on the input signal, the diode type and the DC-transmission factor from the diode to the evaluation electronics. If the exciting field is pulsed, the crest factor of the signal must be known to correctly compensate for peak power. The formula for each channel can be given as：

$$V_i = U_i + U_i^2 \cdot \frac{cf}{dcp_i}$$

With *Vi* = compensated signal of channel i (i = x, y, z)
Ui = input signal of channel i (i = x, y, z)
cf = crest factor of exciting field (DASY parameter)
dcpi = diode compression point (DASY parameter)

From the compensated input signals the primary field data for each channel can be evaluated：

E-field probes： $$E_i = \sqrt{\frac{V_i}{Norm_i \cdot ConvF}}$$

H-field probes： $$H_i = \sqrt{V_i} \cdot \frac{a_{i0} + a_{i1} f + a_{i2} f^2}{f}$$

with *Vi* = compensated signal of channel i (i = x, y, z)
Normi= sensor sensitivity of channel i (i = x, y, z)
μV/(V/m)2 for E-field Probes
ConvF = sensitivity enhancement in solution
aij = sensor sensitivity factors for H-field probes
f = carrier frequency [GHz]
Ei = electric field strength of channel i in V/*m*
Hi = magnetic field strength of channel i in A/m

The RSS value of the field components gives the total field strength (Hermitian magnitude)：

$$E_{tot} = \sqrt{E_x^2 + E_y^2 + E_z^2}$$

The primary field data are used to calculate the derived field units.

$$SAR = E_{tot}^2 \cdot \frac{\sigma}{\rho \cdot 1000}$$

with *SAR* = local specific absorption rate in mW/g
Etot = total field strength in V/m
σ = conductivity in [mho/m] or [Siemens/m]
ρ = equivalent tissue density in g/cm3

＊Note：That the density is set to 1, to account for actual head tissue density rather than the density of the tissue simulating liquid.

The power flow density is calculated assuming the excitation field to be a free space field.

$$P_{pwe} = \frac{E_{tot}^2}{3770} \quad or \quad P_{pwe} = \frac{H_{tot}^2}{37.7}$$

with *Ppwe* = equivalent power density of a plane wave in mW/cm2
Etot = total electric field strength in V/m
Htot = total magnetic field strength in A/m

5. Tissue Simulating Liquids

The mixture is calibrated to obtain proper dielectric constant (permittivity) and conductivity of the tissue.
The dielectric parameters of the liquids were verified prior to the SAR evaluation using an 85070C Dielectric Probe Kit and an E5071B Network Analyzer.

IEEE SCC-34/SC-2 in 1528 recommended Tissue Dielectric Parameters

The head tissue dielectric parameters recommended by the IEEE SCC-34/SC-2 in 1528 have been incorporated in the following table. These head parameters are derived from planar layer models simulating the highest expected SAR for the dielectric properties and tissue thickness variations in human head. Other head and body tissue parameters that have not been specified in 1528 are derived from the tissue dielectric parameters computed from the 4-Cole-Cole equation and extrapolated according to the head parameter specified in 1528.

Target Frequency	Head		Body	
(MHz)	εr	σ (S/m)	εr	σ (S/m)
150	52.3	0.76	61.9	0.80
300	45.3	0.87	58.2	0.92
450	43.5	0.87	56.7	0.94
835	41.5	0.90	55.2	0.97
900	41.5	0.97	55.0	1.05
915	41.5	0.98	55.0	1.06
1450	40.5	1.20	54.0	1.30
1610	40.3	1.29	53.8	1.40
1800 - 2000	40.0	1.40	53.3	1.52
2450	39.2	1.80	52.7	1.95
3000	38.5	2.40	52.0	2.73
5800	35.3	5.27	48.2	6.00
(εr = relative permittivity, σ = conductivity and ρ = 1000 kg/m3)				

Table 2. Tissue dielectric parameters for head and body phantoms

5.1 Ingredients

The following ingredients are used:

- Water: deionized water (pure H_20), resistivity ≥ 16 M Ω -as basis for the liquid
- Sugar: refied white sugar (typically 99.7 % sucrose, available as crystal sugar in food shops) -to reduce relative permittivity
- Salt: pure NaCl -to increase conductivity
- Cellulose: Hydroxyethyl-cellulose, medium viscosity (75-125 mPa.s, 2% in water, 20°C), CAS # 54290 -to increase viscosity and to keep sugar in solution.
- Preservative: Preventol D-7 Bayer AG, D-51368 Leverkusen, CAS # 55965-84-9 -to prevent the spread of bacteria and molds
- DGBE: Diethylenglycol-monobuthyl ether (DGBE), Fluka Chemie GmbH, CAS # 112-34-5 -to reduce relative permittivity

5.2 Recipes

The following tables give the recipes for tissue simulating liquids to be used in different frequency bands.
Note: The goal dielectric parameters (at 22 ℃) must be achieved within a tolerance of ±5% for εand ±5% for σ.

Ingredients (% by weight)	Frequency (MHz)												Frequency (GHz)	
	750		835		1750		1900		2450		2600		5GHz	
Tissue Type	Head	Body	Head	Body	Head	Body	Head	Body	Head	Body	Head	Body	Head	Body
Water	39.28	51.30	41.45	52.40	54.50	40.20	54.90	40.40	62.70	73.20	60.30	71.40	65.5	78.6
Salt (NaCl)	1.47	1.42	1.45	1.50	0.17	0.49	0.18	0.50	0.50	0.10	0.60	0.20	0.00	0.00
Sugar	58.15	46.18	56.00	45.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HEC	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bactericide	0.10	0.10	0.10	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Triton X-100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17.2	10.7
DGBE	0.00	0.00	0.00	0.00	45.33	59.31	44.92	59.10	36.80	26.70	39.10	28.40	0.00	0.00
Dielectric Constant	41.88	54.60	42.54	56.10	40.10	53.60	39.90	54.00	39.80	52.50	39.80	52.50	0.00	0.00
Conductivity (S/m)	0.90	0.97	0.91	0.95	1.39	1.49	1.42	1.45	1.88	1.78	1.88	1.78	0.00	0.00
Diethylene Glycol Mono-hexlether	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17.3	10.7

Salt: 99+% Pure Sodium Chloride Sugar: 98+% Pure Sucrose
Water: De-ionized, 16 MΩ+ resistivity HEC: Hydroxyethyl Cellulose
DGBE: 99+% Di(ethylene glycol) butyl ether, [2-(2-butoxyethoxy)ethanol]
Triton X-100 (ultra pure): Polyethylene glycol mono [4-(1,1, 3, 3-tetramethylbutyl)phenyl]ether

5.3 Liquid Depth

According to KDB865664 ,the depth of tissue-equivalent liquid in a phantom must be ≥ 15.0 cm with ≤ ± 0.5 cm variation for SAR measurements ≤ 3 GHz and ≥ 10.0 cm with ≤ ± 0.5 cm variation for measurements > 3 GHz.

Figure 7. Body-Position

6. SAR Testing with RF Transmitters

6.1 SAR Testing with GSM/GPRS/EGPRS Transmitters

Configure the basestation to support GMSK and 8PSK call respectively, and set timeslot transmission for GMSK GSM/GPRS and 8PSK EDGE. Measure and record power outputs for both modulations, that test is applicable.

6.2 SAR Testing with WCDMA Transmitters

The following tests were completed according to the test requirements outlined in section 5.2 of the 3GPP TS34.121-1 specification. The DUT supports power Class 3, which has a nominal maximum output power of 24 dBm (+1.7/-3.7).

- Step 1: set a Test Mode 1 loop back with a 12.2kbps Reference Measurement Channel (RMC).
- Step 2: set and send continuously up power control commands to the device.
- Step 3: measure the power at the device antenna connector using the power meter with average detector and test SAR

6.3 SAR Testing with HSDPA Transmitters

HSDPA Date Devices setup for SAR Measurement

HSDPA should be configured according to the UE category of a test device. The number of HS-DSCH/HS-PDSCHs, HARQ processes, minimum inter-TTI interval, transport block sizes and RV coding sequence are defined by the H-set. To maintain a consistent test configuration and stable transmission conditions, QPSK is used in the H-set for SAR testing. HS-DPCCH should be configured with a CQI feedback cycle of 4 ms with a CQI repetition factor of 2 to maintain a constant rate of active CQI slots. DPCCH and DPDCH gain factors(βc, βd), and HS-DPCCH power offset parameters (ΔACK, ΔNACK, ΔCQI) should be set according to values indicated in the Table below. The CQI value is determined by the UE category, transport block size, number of HS-PDSCHs and modulation used in the H-set.

Setup for Release 5 HSDPA							
Sub-test	βc	βd	βd (SF)	βc/βd	βhs(1,2)	CM(3) (dB)	MRP(3) (dB)
1	2/15	15/15	64	2/15	4/15	0.0	0.0
2	12/15(4)	15/15(4)	64	12/15(4)	24/15	1.0	0.0
3	15/15	8/15	64	15/8	30/15	1.5	0.5
4	15/15	4/15	64	15/4	30/15	1.5	0.5

Note

1. Δ_{ACK}, Δ_{NACK} and Δ_{CQI} = 8 ⇔ Ahs = βhs/βc = 30/15 ⇔ βhs= 30/15 *βc
2. For theHS-DPCCH power mask requirement test in clause 5.2C, 5.7A, and the Error Vector Magnitude(EVM) with HS-DPCCH test in clause 5.13.1A and HSDPA EVM with phase discontinuity in clause 5.13.1AA, Δ_{ACK} and Δ_{NACK} = 30/15 with βhs = 30/15 *βc and Δ_{CQI} = 24/15 with βhs = 24/15*βc
3. CM = 1 for βc/βd =12/15, βhs/βc=24/15. For all other combinations of DPDCH, DPCCH and HS-DPCCH the MPR is based on the relative CM difference. This is applicable for only UEs that support HSDPA in release 6 and later releases.
4. For subtest 2 the βc/βd ratio of 12/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signaled gain factors for the reference TFC (TF1, TF1) to βc = 11/15 and βd = 15/15.

HSPA Date Devices setup for SAR Measurement.

The following procedures are applicable to HSPA (HSUPA/HSDPA) data devices operating under 3GPP Release 6. Body exposure conditions generally apply to these devices, including handsets and data modems operating in various electronic devices. HSUPA operates in conjunction with WCDMA and HSDPA. SAR is initially measured in WCDMA test configurations without HSPA. The default test configuration is to establish a radio link between the DUT and a communication test set to configure a 12.2 kbps RMC (reference measurement channel) in Test Loop Mode 1. SAR for HSPA is selectively measured with HS-DPCCH, EDPCCH and E-DPDCH, all enabled, along with a 12.2 kbps RMC using the highest SAR configuration in WCDMA with 12.2 kbps RMC only. An FRC is configured according to HSDPCCH Sub-test 1 using H-set 1 and QPSK. HSPA is configured according to E-DCH Subtest 5 requirements. SAR for other HSPA sub-test configurations is also confirmed selectively according to output power, exposure conditions and E-DCH UE Category. Maximum output power is verified according to procedures in applicable versions of 3GPP TS 34.121 and SAR must be measured according to these maximum output conditions. The UE Categories for HSDPCCH and HSPA should be clearly identified in the SAR report. The following procedures are applicable only if Maximum Power Reduction (MPR) is implemented according to Cubic Metric (CM) requirements.

When voice transmission and head exposure conditions are applicable to a WCDMA/HSPA data device, head exposure is measured according to the 'Head SAR Measurements' procedures in the 'WCDMA Handsets' section of this document. SAR for body exposure configurations are measured according to the 'Body SAR Measurements' procedures in the 'WCDMA Handsets' section of this document. In addition, body SAR is also measured for HSPA when the maximum average output of each RF channel with HSPA active is at least ¼ dB higher than that measured without HSPA using 12.2 kbps RMC or the maximum SAR for 12.2 kbps RMC is above 75% of the SAR limit. Body SAR for HSPA is measured with E-DCH Sub-test 5, using H-Set 1 and QPSK for FRC and a 12.2 kbps RMC configured in Test Loop Mode 1 with power control algorithm 2, according to the highest body SAR configuration in 12.2 kbps RMC without HSPA. When VOIP is applicable for head exposure, SAR is not required when the maximum output of each RF channel with HSPA is less than ¼ dB higher than that measured using 12.2 kbps RMC; otherwise, the same HSPA configuration used for body measurements should be used to test for head exposure.

Due to inner loop power control requirements in HSPA, a commercial communication test set should be used for the output power and SAR tests. The 12.2 kbps RMC, FRC H-set 1 and E-DCH configurations for HSPA should be configured according to the β values indicated below as well as other applicable procedures described in the 'WCDMA Handset' and 'Release 5 HSDPA Data Devices' sections of this document.

The highest body SAR measured in Antenna Extended & Retracted configurations on a channel in 12.2 kbps RMC. The possible channels are the High, Middle & Low channel. Contact the FCC Laboratory for test and approval requirements if the maximum output power measured in E-DCH Sub-test 2 - 4 is higher than Sub-test 5.

Setup for Release 6 HSPA / Release 7 HSPA+													
Sub-test	βc	βd	βd (SF)	βc/βd	βhs(1)	βec	βed	Bed (SF)	Bed (codes)	CM(2) (dB)	MPR (dB)	AG(4) Index	E-TFCI
1	11/15(3)	15/15(3)	64	11/15(3)	22/15	209/225	1039/225	4	1	1.0	0.0	20	75
2	6/15	15/15	64	6/15	12/15	12/15	94/75	4	1	3.0	2.0	12	67
3	15/15	9/15	64	15/9	30/15	30/15	βed1: 47/15 βed2: 47/15	4	2	2.0	1.0	15	92
4	2/15	15/15	64	2/15	4/15	2/15	56/75	4	1	3.0	2.0	17	71
5	15/15(4)	15/15(4)	64	15/15(4)	30/15	24/15	134/15	4	1	1.0	0.0	21	81

Note

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

6.4 SAR Testing with LTE-FDD Transmitters

All SAR measurements for LTE were performed using the Anritsu MT8820C. A closed loop power control setting allowed the UE to transmit at the maximum output power during the SAR measurements.Configure the basestation to support LTE tests in respect to the 3GPP 36.521-1,and set ch , RB allocation number ,RB allocation offset , and send continuously Up power control commands to the device.
MPR was enabled for this device. A-MPR was disabled for all SAR test measurements.

6.5 SAR Testing with LTE-TDD Transmitters

All SAR measurements for LTE were performed using the Anritsu MT8820C. A closed loop power control setting allowed the UE to transmit at the maximum output power during the SAR measurements.Configure the basestation to support LTE tests in respect to the 3GPP 36.521-1,and set ch , TDD mode , RB allocation number ,RB allocation offset , and send continuously Up power control commands to the device.
MPR was enabled for this device. A-MPR was disabled for all SAR test measurements.
For 3GPP table 4.2.1 as below, support configurations and worst-case UpPTS information into the table.

3GPP Table 4.2-1: Configuration of special subframe (lengths of DwPTS/GP/UpPTS).

Special subframe configuration	Normal cyclic prefix in downlink			Extended cyclic prefix in downlink			EUT Support Special subframe	Worst case UpPTS
	DwPTS	UpPTS		DwPTS	UpPTS			
		Normal cyclic prefix in uplink	Extended cyclic prefix in uplink		Normal cyclic prefix in uplink	Extended cyclic prefix in uplink		
0	6592×Ts	2192×Ts	2560×Ts	7680×Ts	2192×Ts	2560×Ts	□	□
1	19760×Ts			20480×Ts			□	□
2	21952×Ts			23040×Ts			□	□
3	24144×Ts			25600×Ts			■	□
4	26336×Ts			7680×Ts	4384×Ts	5120×Ts	■	□
5	6592×Ts	4384×Ts	5120×Ts	20480×Ts			□	□
6	19760×Ts			23040×Ts			□	□
7	21952×Ts			12800×Ts			■	■
8	24144×Ts			-	-	-	□	□
9	13168×Ts			-	-	-	□	□
Duty cycle$_{(maximum)}$								43.33%

The EUT only supports the 40% case, which is Table 4.2.2, configuration #1 below.

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

6.6 LTE Frequency range and channel bandwidth

Channel bandwidth support:

Band	BW (MHz)					
	1.4	3	5	10	15	20
LTE Band 2	V	V	V	V	V	V
LTE Band 4	V	V	V	V	V	V
LTE Band 5	V	V	V	V		
LTE Band 7			V	V	V	V
LTE Band 17			V	V		
LTE Band 41			V	V	V	V

LTE Band	Bandwidth (MHz)	Test requency ID	N_{UL}	Frequency of Uplink (MHz)
LTE Band 2	1.4	Low Range	18607	1850.7
		Mid Range	18900	1880.0
		High Range	19193	1909.3
	3	Low Range	18615	1851.5
		Mid Range	18900	1880.0
		High Range	19185	1908.5
	5	Low Range	18625	1852.5
		Mid Range	18900	1880.0
		High Range	19175	1907.5
	10	Low Range	18650	1855.0
		Mid Range	18900	1880.0
		High Range	19150	1905.0
	15	Low Range	18675	1857.5
		Mid Range	18900	1880.0
		High Range	19125	1902.5
	20	Low Range	18700	1860.0
		Mid Range	18900	1880.0
		High Range	19100	1900.0

LTE Band	Bandwidth (MHz)	Test requency ID	N_{UL}	Frequency of Uplink (MHz)
LTE Band 4	1.4	Low Range	19957	1710.7
		Mid Range	20175	1732.5
		High Range	20393	1754.3
	3	Low Range	19965	1711.5
		Mid Range	20175	1732.5
		High Range	20385	1753.5
	5	Low Range	19975	1712.5
		Mid Range	20175	1732.5
		High Range	20375	1752.5
	10	Low Range	20000	1715.0
		Mid Range	20175	1732.5
		High Range	20350	1750.0
	15	Low Range	20025	1717.5
		Mid Range	20175	1732.5
		High Range	20325	1747.5
	20	Low Range	20050	1720.0
		Mid Range	20175	1732.5
		High Range	20300	1745.0
LTE Band 5	1.4	Low Range	20407	824.7
		Mid Range	20525	836.5
		High Range	20643	848.3
	3	Low Range	20415	825.5
		Mid Range	20525	836.5
		High Range	20635	847.5
	5	Low Range	20425	826.5
		Mid Range	20525	836.5
		High Range	20625	846.5
	10	Low Range	20450	829.0
		Mid Range	20525	836.5
		High Range	20600	844.0

LTE Band	Bandwidth (MHz)	Test requency ID	N_{UL}	Frequency of Uplink (MHz)
LTE Band 7	5	Low Range	20775	2502.5
		Mid Range	21100	2535
		High Range	21425	2567.5
	10	Low Range	20800	2505
		Mid Range	21100	2535
		High Range	21400	2565
	15	Low Range	20825	2507.5
		Mid Range	21100	2535
		High Range	21375	2562.5
	20	Low Range	20850	2510
		Mid Range	21100	2535
		High Range	21350	2560
LTE Band 17	5	Low Range	23755	706.5
		Mid Range	23790	710.0
		High Range	23825	713.5
	10	Low Range	23780	709.0
		Mid Range	23790	710.0
		High Range	23800	711.0
LTE Band 41	5	Low Range	39675	2498.5
		Mid Range	40620	2593.0
		High Range	41565	2687.5
	10	Low Range	39700	2501.0
		Mid Range	40620	2593.0
		High Range	41540	2685.0
	15	Low Range	39725	2503.5
		Mid Range	40620	2593.0
		High Range	41515	2682.5
	20	Low Range	39750	2506.0
		Mid Range	40620	2593.0
		High Range	41490	2680.0

6.6.1 Maximum power reduction (MPR)

Identify the LTE voice/data requirements in each operating mode and exposure condition with respect to head and body test configurations, antenna locations, handset flip-cover or slide positions, antenna diversity conditions etc.

The voice and data transmission:

- Data only device.

Identify if Maximum Power Reduction (MPR) is optional or mandatory, i.e. built-in by design:

- Maximum Power Reduction (MPR) is mandatory, i.e. built-in by design.
- A-MPR (additional MPR) must be disabled
- A-MPR was disabled during testing.

Maximum Power Reduction (MPR) for Power Class 3							
Channel bandwidth / Transmission bandwidth configuration (RB)							
Modulation	1.4 MHz	3 MHz	5 MHz	10 MHz	15 MHz	20MHz	MPR (dB)
QPSK	> 5	> 4	> 8	> 12	> 16	> 18	≤ 1
16 QAM	≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	≤ 1
16 QAM	> 5	> 4	> 8	> 12	> 16	> 18	≤ 2

6.7 Power reduction

No power reduction issue.

6.8 SAR Testing with 802.11 Transmitters

SAR test reduction for 802.11 Wi-Fi transmission mode configurations are considered separately for DSSS and OFDM. An initial test position is determined to reduce the number of tests required for certain exposure configurations with multiple test positions. An initial test configuration is determined for each frequency band and aggregated band according to maximum output power, channel bandwidth, wireless mode configurations and other operating parameters to streamline the measurement requirements. For 2.4 GHz DSSS, either the initial test position or DSSS procedure is applied to reduce the number of SAR tests; these are mutually exclusive. For OFDM, an initial test position is only applicable to next to the ear, UMPC mini-tablet and hotspot mode configurations, which is tested using the initial test configuration to facilitate test reduction. For other exposure conditions with a fixed test position, SAR test reduction is determined using only the initial test configuration.

The multiple test positions require SAR measurements in head, hotspot mode or UMPC mini-tablet configurations may be reduced according to the highest reported SAR determined using the initial test position(s) by applying the DSSS or OFDM SAR measurement procedures in the required wireless mode test configuration(s). The initial test position(s) is measured using the highest measured maximum output power channel in the required wireless mode test configuration(s). When the reported SAR for the initial test position is:

- ≤ 0.4 W/kg, further SAR measurement is not required for the other test positions in that exposure configuration and wireless mode combination within the frequency band or aggregated band. DSSS and OFDM configurations are considered separately according to the required SAR procedures.
- > 0.4 W/kg, SAR is repeated using the same wireless mode test configuration tested in the initial test position to measure the subsequent next closet/smallest test separation distance and maximum coupling test position, on the highest maximum output power channel, until the reported SAR is ≤ 0.8 W/kg or all required test positions are tested.
  - For subsequent test positions with equivalent test separation distance or when exposure is dominated by coupling conditions, the position for maximum coupling condition should be tested.
  - When it is unclear, all equivalent conditions must be tested.

- For all positions/configurations tested using the initial test position and subsequent test positions, when the reported SAR is > 0.8 W/kg, measure the SAR for these positions/configurations on the subsequent next highest measured output power channel(s) until the reported SAR is ≤ 1.2 W/kg or all required test channels are considered.
  - The additional power measurements required for this step should be limited to those necessary for identifying subsequent highest output power channels to apply the test reduction.

- When the specified maximum output power is the same for both UNII 1 and UNII 2A, begin SAR measurements in UNII 2A with the channel with the highest measured output power. If the reported SAR for UNII 2A is ≤ 1.2 W/kg, SAR is not required for UNII 1; otherwise treat the remaining bands separately and test them independently for SAR.
- When the specified maximum output power is different between UNII 1 and UNII 2A, begin SAR with the band that has the higher specified maximum output. If the highest reported SAR for the band with the highest specified power is ≤ 1.2 W/kg, testing for the band with the lower specified output power is not required; otherwise test the remaining bands independently for SAR.

To determine the initial test position, Area Scans were performed to determine the position with the Maximum Value of SAR (measured). The position that produced the highest Maximum Value of SAR is considered the worst case position; thus used as the initial test position.

6.9 Conducted Power

Module 1:QUALCOMM , MSM6290

Band	Modulation	Sub-test	CH	Frequency (MHz)	Burst Average Power (dBm)
WCDMA Band II (RMC12.2K)	QPSK	---	Lowest	1852.4	22.89
			Middle	1880.0	22.60
			Highest	1907.6	22.89
HSDPA Band II	QPSK	1	Lowest	1852.4	22.29
			Middle	1880.0	22.10
			Highest	1907.6	21.98
		2	Lowest	1852.4	21.61
			Middle	1880.0	21.29
			Highest	1907.6	21.58
		3	Lowest	1852.4	21.46
			Middle	1880.0	21.22
			Highest	1907.6	21.42
		4	Lowest	1852.4	21.80
			Middle	1880.0	21.78
			Highest	1907.6	21.98
HSUPA Band II	QPSK	1	Lowest	1852.4	21.52
			Middle	1880.0	21.32
			Highest	1907.6	21.46
		2	Lowest	1852.4	19.57
			Middle	1880.0	19.27
			Highest	1907.6	19.64
		3	Lowest	1852.4	20.47
			Middle	1880.0	20.47
			Highest	1907.6	20.59
		4	Lowest	1852.4	19.39
			Middle	1880.0	19.12
			Highest	1907.6	19.71
		5	Lowest	1852.4	21.43
			Middle	1880.0	21.38
			Highest	1907.6	21.63

Band	Modulation	Sub-test	CH	Frequency (MHz)	Burst Average Power (dBm)
WCDMA Band V (RMC12.2K)	QPSK	---	Lowest	826.4	23.03
			Middle	836.6	22.74
			Highest	846.6	22.95
HSDPA Band V	QPSK	1	Lowest	826.4	22.24
			Middle	836.6	21.89
			Highest	846.6	22.30
		2	Lowest	826.4	21.64
			Middle	836.6	21.32
			Highest	846.6	21.53
		3	Lowest	826.4	21.60
			Middle	836.6	21.49
			Highest	846.6	21.83
		4	Lowest	826.4	22.08
			Middle	836.6	21.93
			Highest	846.6	21.98
HSUPA Band V	QPSK	1	Lowest	826.4	21.47
			Middle	836.6	21.48
			Highest	846.6	21.69
		2	Lowest	826.4	19.71
			Middle	836.6	19.48
			Highest	846.6	19.58
		3	Lowest	826.4	20.62
			Middle	836.6	20.52
			Highest	846.6	20.71
		4	Lowest	826.4	19.64
			Middle	836.6	19.65
			Highest	846.6	19.57
		5	Lowest	826.4	21.27
			Middle	836.6	21.32
			Highest	846.6	21.45

Module 2:QUALCOMM , MSM8916

Band	Modulation	Data Rate	CH	Frequency (MHz)	Average Power (dBm)	
					Time Average	Burst Average
GRRS 850 Multi Class :33 Max Up:5 Max Down:4 Sum:6	GMSK	5Down1Up (Duty Factor 1/8)	Lowest	824.2	23.48	32.51
			Middle	836.6	23.51	32.54
			Highest	848.8	23.80	32.83
		4Down2Up (Duty Factor 2/8)	Lowest	824.2	24.35	30.37
			Middle	836.6	24.44	30.46
			Highest	848.8	24.63	30.65
		3Down3Up (Duty Factor 3/8)	Lowest	824.2	23.70	27.96
			Middle	836.6	23.95	28.21
			Highest	848.8	24.20	28.46
		2Down4Up (Duty Factor 4/8)	Lowest	824.2	24.10	27.11
			Middle	836.6	24.31	27.32
			Highest	848.8	24.48	27.49
EGPRS 850 Multi Class :33 Max Up:5 Max Down:4 Sum:6	8PSK	5Down1Up (Duty Factor 1/8)	Lowest	824.2	17.39	26.42
			Middle	836.6	17.54	26.57
			Highest	848.8	17.66	26.69
		4Down2Up (Duty Factor 2/8)	Lowest	824.2	18.10	24.12
			Middle	836.6	18.36	24.38
			Highest	848.8	18.55	24.57
		3Down3Up (Duty Factor 3/8)	Lowest	824.2	17.87	22.13
			Middle	836.6	18.08	22.34
			Highest	848.8	18.23	22.49
		2Down4Up (Duty Factor 4/8)	Lowest	824.2	18.18	21.19
			Middle	836.6	18.27	21.28
			Highest	848.8	18.40	21.41

Note: 1. Time Average power slot duty cycle factor calculate:

1up: Average burst power+10*LOG(1/8)

2up: Average burst power+10*LOG(2/8)

3up: Average burst power+10*LOG(3/8)

4up: Average burst power+10*LOG(4/8)

Band	Modulation	Data Rate	CH	Frequency (MHz)	Average Power (dBm)	
					Time Average	Burst Average
GRRS 1900 Multi Class :33 Max Up:5 Max Down:4 Sum:6	GMSK	5Down1Up (Duty Factor 1/8)	Lowest	1850.2	20.98	30.01
			Middle	1880.0	20.95	29.98
			Highest	1909.8	20.86	29.89
		4Down2Up (Duty Factor 2/8)	Lowest	1850.2	21.94	27.96
			Middle	1880.0	21.82	27.84
			Highest	1909.8	21.69	27.71
		3Down3Up (Duty Factor 3/8)	Lowest	1850.2	21.47	25.73
			Middle	1880.0	21.40	25.66
			Highest	1909.8	21.28	25.54
		2Down4Up (Duty Factor 4/8)	Lowest	1850.2	21.32	24.33
			Middle	1880.0	21.20	24.21
			Highest	1909.8	21.18	24.19
EGPRS 1900 Multi Class :33 Max Up:5 Max Down:4 Sum:6	8PSK	5Down1Up (Duty Factor 1/8)	Lowest	1850.2	16.59	25.62
			Middle	1880.0	16.81	25.84
			Highest	1909.8	16.93	25.96
		4Down2Up (Duty Factor 2/8)	Lowest	1850.2	17.46	23.48
			Middle	1880.0	17.67	23.69
			Highest	1909.8	17.72	23.74
		3Down3Up (Duty Factor 3/8)	Lowest	1850.2	17.01	21.27
			Middle	1880.0	17.13	21.39
			Highest	1909.8	17.26	21.52
		2Down4Up (Duty Factor 4/8)	Lowest	1850.2	17.42	20.43
			Middle	1880.0	17.55	20.56
			Highest	1909.8	17.65	20.66

Note: 1. Time Average power slot duty cycle factor calculate:

1up: Average burst power+10*LOG(1/8)

2up: Average burst power+10*LOG(2/8)

3up: Average burst power+10*LOG(3/8)

4up: Average burst power+10*LOG(4/8)

Band	Modulation	Sub-test	CH	Frequency (MHz)	Burst Average Power (dBm)
WCDMA Band II (RMC12.2K)	QPSK	---	Lowest	1852.4	22.83
			Middle	1880.0	22.66
			Highest	1907.6	22.91
HSDPA Band II	QPSK	1	Lowest	1852.4	22.11
			Middle	1880.0	21.94
			Highest	1907.6	22.16
		2	Lowest	1852.4	21.59
			Middle	1880.0	21.44
			Highest	1907.6	21.63
		3	Lowest	1852.4	21.54
			Middle	1880.0	21.38
			Highest	1907.6	21.59
		4	Lowest	1852.4	21.96
			Middle	1880.0	21.81
			Highest	1907.6	22.01
HSUPA Band II	QPSK	1	Lowest	1852.4	21.54
			Middle	1880.0	21.37
			Highest	1907.6	21.59
		2	Lowest	1852.4	19.52
			Middle	1880.0	19.31
			Highest	1907.6	19.57
		3	Lowest	1852.4	20.51
			Middle	1880.0	20.33
			Highest	1907.6	20.57
		4	Lowest	1852.4	19.48
			Middle	1880.0	19.28
			Highest	1907.6	19.53
		5	Lowest	1852.4	21.36
			Middle	1880.0	21.22
			Highest	1907.6	21.43

Band	Modulation	Sub-test	CH	Frequency (MHz)	Burst Average Power (dBm)
WCDMA Band V (RMC12.2K)	QPSK	---	Lowest	826.4	22.91
			Middle	836.6	22.86
			Highest	846.6	22.95
HSDPA Band V	QPSK	1	Lowest	826.4	22.19
			Middle	836.6	22.06
			Highest	846.6	22.22
		2	Lowest	826.4	21.67
			Middle	836.6	21.52
			Highest	846.6	21.72
		3	Lowest	826.4	21.63
			Middle	836.6	21.49
			Highest	846.6	21.66
		4	Lowest	826.4	22.08
			Middle	836.6	21.93
			Highest	846.6	22.13
HSUPA Band V	QPSK	1	Lowest	826.4	21.61
			Middle	836.6	21.53
			Highest	846.6	21.64
		2	Lowest	826.4	19.55
			Middle	836.6	19.50
			Highest	846.6	19.63
		3	Lowest	826.4	20.61
			Middle	836.6	20.52
			Highest	846.6	20.66
		4	Lowest	826.4	19.51
			Middle	836.6	19.47
			Highest	846.6	19.58
		5	Lowest	826.4	21.44
			Middle	836.6	21.37
			Highest	846.6	21.51

Band	Modulation	Sub-test	CH	Frequency (MHz)	Burst Average Power (dBm)
WCDMA Band IV (RMC 12.2K)	QPSK	---	Lowest	1712.4	22.49
			Middle	1732.6	22.71
			Highest	1752.6	22.63
HSDPA Band IV	QPSK	1	Lowest	1712.4	21.72
			Middle	1732.6	21.96
			Highest	1752.6	21.87
		2	Lowest	1712.4	21.21
			Middle	1732.6	21.43
			Highest	1752.6	21.32
		3	Lowest	1712.4	21.16
			Middle	1732.6	21.40
			Highest	1752.6	21.29
		4	Lowest	1712.4	21.59
			Middle	1732.6	21.81
			Highest	1752.6	21.72
HSUPA Band IV	QPSK	1	Lowest	1712.4	21.16
			Middle	1732.6	21.41
			Highest	1752.6	21.33
		2	Lowest	1712.4	19.12
			Middle	1732.6	19.38
			Highest	1752.6	19.32
		3	Lowest	1712.4	20.14
			Middle	1732.6	20.38
			Highest	1752.6	20.31
		4	Lowest	1712.4	19.08
			Middle	1732.6	19.35
			Highest	1752.6	19.27
		5	Lowest	1712.4	21.02
			Middle	1732.6	21.25
			Highest	1752.6	21.15

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band2	1.4MHz	QPSK	18607	1850.7	1	0	22.63	0.183
					1	2	22.74	0.188
					1	5	22.79	0.190
					3	0	21.67	0.147
					3	1	21.73	0.149
					3	3	21.66	0.147
					6	0	21.71	0.148
			18900	1880.0	1	0	22.56	0.180
					1	2	22.62	0.183
					1	5	22.83	0.192
					3	0	21.83	0.152
					3	1	21.63	0.146
					3	3	21.59	0.144
					6	0	21.68	0.147
			19193	1909.3	1	0	23.04	0.201
					1	2	23.35	0.216
					1	5	23.54	0.226
					3	0	22.36	0.172
					3	1	22.41	0.174
					3	3	22.44	0.175
					6	0	22.36	0.172
		16QAM	18607	1850.7	1	0	21.94	0.156
					1	2	21.89	0.155
					1	5	21.93	0.156
					3	0	20.85	0.122
					3	1	20.66	0.116
					3	3	20.78	0.120
					6	0	20.81	0.121
			18900	1880.0	1	0	21.85	0.153
					1	2	21.70	0.148
					1	5	21.81	0.152
					3	0	20.76	0.119
					3	1	20.73	0.118
					3	3	20.64	0.116
					6	0	20.74	0.119
			19193	1909.3	1	0	22.47	0.177
					1	2	22.33	0.171
					1	5	22.80	0.191
					3	0	21.44	0.139
					3	1	21.48	0.141
					3	3	21.43	0.139
					6	0	21.46	0.140

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band2	3MHz	QPSK	18615	1851.5	1	0	22.05	0.160
					1	7	22.33	0.171
					1	14	22.46	0.176
					8	0	21.49	0.141
					8	3	21.45	0.140
					8	7	21.43	0.139
					15	0	21.66	0.147
			18900	1880.0	1	0	22.57	0.181
					1	7	22.54	0.179
					1	14	22.65	0.184
					8	0	21.46	0.140
					8	3	21.62	0.145
					8	7	21.59	0.144
					15	0	21.60	0.145
			19185	1908.5	1	0	22.96	0.198
					1	7	23.18	0.208
					1	14	23.41	0.219
					8	0	22.29	0.169
					8	3	22.33	0.171
					8	7	22.62	0.183
					15	0	22.18	0.165
		16QAM	18615	1851.5	1	0	21.73	0.149
					1	7	21.68	0.147
					1	14	21.66	0.147
					8	0	20.44	0.111
					8	3	20.35	0.108
					8	7	20.66	0.116
					15	0	20.60	0.115
			18900	1880.0	1	0	21.86	0.153
					1	7	22.03	0.160
					1	14	21.77	0.150
					8	0	20.61	0.115
					8	3	20.58	0.114
					8	7	20.53	0.113
					15	0	20.59	0.115
			19185	1908.5	1	0	22.21	0.166
					1	7	22.56	0.180
					1	14	22.58	0.181
					8	0	21.29	0.135
					8	3	21.06	0.128
					8	7	21.01	0.126
					15	0	21.29	0.135

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band2	5MHz	QPSK	18625	1852.5	1	0	22.21	0.166
					1	12	22.41	0.174
					1	24	22.69	0.186
					12	0	21.70	0.148
					12	6	21.64	0.146
					12	13	21.75	0.150
					25	0	21.51	0.142
			18900	1880.0	1	0	22.32	0.171
					1	12	22.51	0.178
					1	24	22.81	0.191
					12	0	21.38	0.137
					12	6	21.66	0.147
					12	13	21.59	0.144
					25	0	21.48	0.141
			19175	1907.5	1	0	23.10	0.204
					1	12	22.92	0.196
					1	24	23.47	0.222
					12	0	22.30	0.170
					12	6	22.16	0.164
					12	13	22.27	0.169
					25	0	22.25	0.168
		16QAM	18625	1852.5	1	0	21.46	0.140
					1	12	21.96	0.157
					1	24	21.97	0.157
					12	0	20.57	0.114
					12	6	20.56	0.114
					12	13	20.64	0.116
					25	0	20.86	0.122
			18900	1880.0	1	0	21.66	0.147
					1	12	21.79	0.151
					1	24	21.81	0.152
					12	0	20.55	0.114
					12	6	20.47	0.111
					12	13	20.59	0.115
					25	0	20.75	0.119
			19175	1907.5	1	0	22.63	0.183
					1	12	22.45	0.176
					1	24	22.54	0.179
					12	0	21.33	0.136
					12	6	21.01	0.126
					12	11	21.28	0.134
					25	0	21.11	0.129

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band2	10MHz	QPSK	18650	1855.0	1	0	22.54	0.179
					1	24	22.71	0.187
					1	49	22.74	0.188
					25	0	21.78	0.151
					25	12	21.67	0.147
					25	25	21.74	0.149
					50	0	21.79	0.151
			18900	1880.0	1	0	22.53	0.179
					1	24	22.50	0.178
					1	49	22.75	0.188
					25	0	21.46	0.140
					25	12	21.50	0.141
					25	25	21.47	0.140
					50	0	21.36	0.137
			19150	1905.0	1	0	22.98	0.199
					1	24	23.12	0.205
					1	49	23.62	0.230
					25	0	22.15	0.164
					25	12	22.17	0.165
					25	25	22.21	0.166
					50	0	22.24	0.167
		16QAM	18650	1855.0	1	0	21.64	0.146
					1	24	21.92	0.156
					1	49	21.67	0.147
					25	0	20.36	0.109
					25	12	20.80	0.120
					25	25	20.81	0.121
					50	0	20.65	0.116
			18900	1880.0	1	0	21.71	0.148
					1	24	21.77	0.150
					1	49	21.74	0.149
					25	0	20.52	0.113
					25	12	20.64	0.116
					25	25	20.75	0.119
					50	0	20.90	0.123
			19150	1905.0	1	0	22.29	0.169
					1	24	22.52	0.179
					1	49	22.60	0.182
					25	0	21.33	0.136
					25	12	21.26	0.134
					25	25	21.20	0.132
					50	0	21.26	0.134

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band2	15MHz	QPSK	18675	1857.5	1	0	22.50	0.178
					1	37	22.63	0.183
					1	74	22.70	0.186
					36	0	21.78	0.151
					36	19	21.83	0.152
					36	39	21.76	0.150
					75	0	21.68	0.147
			18900	1880.0	1	0	22.57	0.181
					1	37	22.45	0.176
					1	74	22.66	0.185
					36	0	21.53	0.142
					36	19	21.59	0.144
					36	39	21.52	0.142
					75	0	21.54	0.143
			19125	1902.5	1	0	22.82	0.191
					1	37	23.17	0.207
					1	74	23.45	0.221
					36	0	21.93	0.156
					36	19	22.14	0.164
					36	39	21.98	0.158
					75	0	22.03	0.160
		16QAM	18675	1857.5	1	0	21.79	0.151
					1	37	21.82	0.152
					1	74	21.55	0.143
					36	0	20.30	0.107
					36	19	20.76	0.119
					36	39	20.77	0.119
					75	0	20.68	0.117
			18900	1880.0	1	0	21.78	0.151
					1	37	21.66	0.147
					1	74	21.90	0.155
					36	0	20.41	0.110
					36	19	20.75	0.119
					36	39	20.71	0.118
					75	0	20.64	0.116
			19125	1902.5	1	0	21.95	0.157
					1	37	22.15	0.164
					1	74	22.61	0.182
					36	0	21.12	0.129
					36	19	21.16	0.131
					36	39	21.17	0.131
					75	0	21.17	0.131

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band2	20MHz	QPSK	18700	1860.0	1	0	22.53	0.179
					1	49	22.58	0.181
					1	99	22.31	0.170
					50	0	21.56	0.143
					50	25	21.65	0.146
					50	50	21.74	0.149
					100	0	21.76	0.150
			18900	1880.0	1	0	22.48	0.177
					1	49	22.49	0.177
					1	99	22.76	0.189
					50	0	21.38	0.137
					50	25	21.39	0.138
					50	50	21.68	0.147
					100	0	21.67	0.147
			19100	1900.0	1	0	22.84	0.192
					1	49	22.98	0.199
					1	99	23.27	0.212
					50	0	21.84	0.153
					50	25	22.06	0.161
					50	50	22.12	0.163
					100	0	21.94	0.156
		16QAM	18700	1860.0	1	0	21.78	0.151
					1	49	21.71	0.148
					1	99	21.70	0.148
					50	0	20.75	0.119
					50	25	20.58	0.114
					50	50	20.30	0.107
					100	0	20.43	0.110
			18900	1880.0	1	0	21.79	0.151
					1	49	21.73	0.149
					1	99	21.74	0.149
					50	0	20.47	0.111
					50	25	20.59	0.115
					50	50	20.75	0.119
					100	0	20.66	0.116
			19100	1900.0	1	0	21.87	0.154
					1	49	22.01	0.159
					1	99	22.27	0.169
					50	0	20.76	0.119
					50	25	21.03	0.127
					50	50	21.25	0.133
					100	0	21.06	0.128

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band4	1.4MHz	QPSK	19957	1710.7	1	0	23.19	0.208
					1	2	23.03	0.201
					1	5	23.25	0.211
					3	0	22.57	0.181
					3	1	22.28	0.169
					3	3	22.18	0.165
					6	0	22.34	0.171
			20175	1732.5	1	0	23.24	0.211
					1	2	23.07	0.203
					1	5	23.20	0.209
					3	0	22.35	0.172
					3	1	22.19	0.166
					3	3	22.07	0.161
					6	0	22.37	0.173
			20393	1754.3	1	0	23.17	0.207
					1	2	23.26	0.212
					1	5	23.31	0.214
					3	0	22.48	0.177
					3	1	22.47	0.177
					3	3	22.36	0.172
					6	0	22.35	0.172
		16QAM	19957	1710.7	1	0	22.55	0.180
					1	2	22.42	0.175
					1	5	22.39	0.173
					3	0	21.77	0.150
					3	1	21.63	0.146
					3	3	21.64	0.146
					6	0	21.59	0.144
			20175	1732.5	1	0	22.63	0.183
					1	2	22.65	0.184
					1	5	22.41	0.174
					3	0	21.30	0.135
					3	1	21.36	0.137
					3	3	21.23	0.133
					6	0	21.53	0.142
			20393	1754.3	1	0	22.55	0.180
					1	2	22.52	0.179
					1	5	22.58	0.181
					3	0	21.59	0.144
					3	1	21.61	0.145
					3	3	21.56	0.143
					6	0	21.54	0.143

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band4	3MHz	QPSK	19965	1711.5	1	0	23.25	0.211
					1	7	23.17	0.207
					1	14	23.04	0.201
					8	0	22.35	0.172
					8	3	22.48	0.177
					8	7	22.44	0.175
					15	0	22.40	0.174
			20175	1732.5	1	0	23.30	0.214
					1	7	23.28	0.213
					1	14	23.21	0.209
					8	0	22.36	0.172
					8	3	22.30	0.170
					8	7	22.29	0.169
					15	0	22.45	0.176
			20385	1753.5	1	0	23.10	0.204
					1	7	23.19	0.208
					1	14	23.23	0.210
					8	0	22.41	0.174
					8	3	22.40	0.174
					8	7	22.41	0.174
					15	0	22.36	0.172
		16QAM	19965	1711.5	1	0	22.54	0.179
					1	7	22.41	0.174
					1	14	22.29	0.169
					8	0	21.54	0.143
					8	3	21.55	0.143
					8	7	21.13	0.130
					15	0	21.38	0.137
			20175	1732.5	1	0	22.54	0.179
					1	7	22.56	0.180
					1	14	22.13	0.163
					8	0	21.49	0.141
					8	3	21.38	0.137
					8	7	21.25	0.133
					15	0	21.52	0.142
			20385	1753.5	1	0	22.68	0.185
					1	7	22.33	0.171
					1	14	22.39	0.173
					8	0	21.63	0.146
					8	3	21.34	0.136
					8	7	21.22	0.132
					15	0	21.41	0.138

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band4	5MHz	QPSK	19975	1712.5	1	0	23.16	0.207
					1	12	23.06	0.202
					1	24	23.06	0.202
					12	0	22.26	0.168
					12	6	22.26	0.168
					12	13	22.24	0.167
					25	0	22.25	0.168
			20175	1732.5	1	0	23.18	0.208
					1	12	23.13	0.206
					1	24	23.16	0.207
					12	0	22.27	0.169
					12	6	22.09	0.162
					12	13	22.26	0.168
					25	0	22.39	0.173
			20375	1752.5	1	0	23.20	0.209
					1	12	23.10	0.204
					1	24	23.21	0.209
					12	0	22.24	0.167
					12	6	22.33	0.171
					12	13	22.48	0.177
					25	0	22.38	0.173
		16QAM	19975	1712.5	1	0	22.36	0.172
					1	12	22.14	0.164
					1	24	22.40	0.174
					12	0	21.50	0.141
					12	6	21.39	0.138
					12	13	21.40	0.138
					25	0	21.27	0.134
			20175	1732.5	1	0	22.38	0.173
					1	12	22.23	0.167
					1	24	22.04	0.160
					12	0	21.36	0.137
					12	6	21.32	0.136
					12	13	21.31	0.135
					25	0	21.33	0.136
			20375	1752.5	1	0	22.14	0.164
					1	12	22.14	0.164
					1	24	22.27	0.169
					12	0	21.49	0.141
					12	6	21.37	0.137
					12	11	21.43	0.139
					25	0	21.37	0.137

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band4	10MHz	QPSK	20000	1715.0	1	0	23.10	0.204
					1	24	23.03	0.201
					1	49	23.27	0.212
					25	0	22.16	0.164
					25	12	22.19	0.166
					25	25	22.21	0.166
					50	0	22.18	0.165
			20175	1732.5	1	0	22.89	0.195
					1	24	23.11	0.205
					1	49	23.22	0.210
					25	0	22.20	0.166
					25	12	22.13	0.163
					25	25	22.22	0.167
					50	0	22.23	0.167
			20350	1750.0	1	0	22.92	0.196
					1	24	22.98	0.199
					1	49	23.21	0.209
					25	0	22.27	0.169
					25	12	22.44	0.175
					25	25	22.26	0.168
					50	0	22.23	0.167
		16QAM	20000	1715.0	1	0	22.23	0.167
					1	24	22.11	0.163
					1	49	22.20	0.166
					25	0	21.19	0.132
					25	12	21.24	0.133
					25	25	21.13	0.130
					50	0	21.16	0.131
			20175	1732.5	1	0	21.93	0.156
					1	24	22.09	0.162
					1	49	22.06	0.161
					25	0	21.14	0.130
					25	12	21.36	0.137
					25	25	21.33	0.136
					50	0	21.21	0.132
			20350	1750.0	1	0	22.21	0.166
					1	24	22.32	0.171
					1	49	22.22	0.167
					25	0	21.25	0.133
					25	12	21.32	0.136
					25	25	21.30	0.135
					50	0	21.45	0.140

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band4	15MHz	QPSK	20025	1717.5	1	0	23.08	0.203
					1	37	23.04	0.201
					1	74	23.01	0.200
					36	0	22.16	0.164
					36	19	22.17	0.165
					36	39	22.25	0.168
					75	0	22.26	0.168
			20175	1732.5	1	0	23.14	0.206
					1	37	23.25	0.211
					1	74	23.24	0.211
					36	0	22.09	0.162
					36	19	22.19	0.166
					36	39	22.24	0.167
					75	0	22.18	0.165
			20325	1747.5	1	0	23.08	0.203
					1	37	23.10	0.204
					1	74	23.06	0.202
					36	0	22.12	0.163
					36	19	22.21	0.166
					36	39	22.28	0.169
					75	0	22.29	0.169
		16QAM	20025	1717.5	1	0	22.14	0.164
					1	37	22.04	0.160
					1	74	22.19	0.166
					36	0	21.22	0.132
					36	19	21.14	0.130
					36	39	21.22	0.132
					75	0	21.05	0.127
			20175	1732.5	1	0	22.03	0.160
					1	37	21.99	0.158
					1	74	22.10	0.162
					36	0	21.28	0.134
					36	19	21.33	0.136
					36	39	21.11	0.129
					75	0	20.91	0.123
			20325	1747.5	1	0	21.92	0.156
					1	37	22.03	0.160
					1	74	22.01	0.159
					36	0	21.02	0.126
					36	19	21.22	0.132
					36	39	21.31	0.135
					75	0	21.44	0.139

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band4	20MHz	QPSK	20050	1720.0	1	0	23.19	0.208
					1	49	23.21	0.209
					1	99	23.20	0.209
					50	0	22.28	0.169
					50	25	22.29	0.169
					50	50	22.11	0.163
					100	0	22.11	0.163
			20175	1732.5	1	0	23.14	0.206
					1	49	23.17	0.207
					1	99	23.23	0.210
					50	0	22.17	0.165
					50	25	22.26	0.168
					50	50	22.09	0.162
					100	0	22.06	0.161
			20300	1745.0	1	0	23.26	0.212
					1	49	23.08	0.203
					1	99	23.05	0.202
					50	0	22.16	0.164
					50	25	22.16	0.164
					50	50	22.37	0.173
					100	0	22.31	0.170
		16QAM	20050	1720.0	1	0	22.15	0.164
					1	49	22.07	0.161
					1	99	21.92	0.156
					50	0	21.23	0.133
					50	25	21.25	0.133
					50	50	21.18	0.131
					100	0	21.19	0.132
			20175	1732.5	1	0	21.97	0.157
					1	49	22.07	0.161
					1	99	21.92	0.156
					50	0	21.14	0.130
					50	25	21.31	0.135
					50	50	21.13	0.130
					100	0	21.29	0.135
			20300	1745.0	1	0	22.01	0.159
					1	49	21.89	0.155
					1	99	22.03	0.160
					50	0	21.15	0.130
					50	25	21.17	0.131
					50	50	21.31	0.135
					100	0	21.22	0.132

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band5	1.4MHz	QPSK	20407	824.7	1	0	22.25	0.168
					1	2	22.45	0.176
					1	5	22.58	0.181
					3	0	22.61	0.182
					3	1	22.69	0.186
					3	3	22.83	0.192
					6	0	21.98	0.158
			20525	836.5	1	0	22.68	0.185
					1	2	22.70	0.186
					1	5	22.73	0.187
					3	0	22.78	0.190
					3	1	22.93	0.196
					3	3	22.94	0.197
					6	0	22.15	0.164
			20643	848.3	1	0	22.59	0.182
					1	2	22.57	0.181
					1	5	22.80	0.191
					3	0	22.78	0.190
					3	1	22.53	0.179
					3	3	22.50	0.178
					6	0	21.63	0.146
		16QAM	20407	824.7	1	0	21.60	0.145
					1	2	21.65	0.146
					1	5	21.64	0.146
					3	0	21.84	0.153
					3	1	21.67	0.147
					3	3	21.75	0.150
					6	0	20.83	0.121
			20525	836.5	1	0	21.88	0.154
					1	2	22.21	0.166
					1	5	21.82	0.152
					3	0	21.89	0.155
					3	1	22.26	0.168
					3	3	21.79	0.151
					6	0	20.92	0.124
			20643	848.3	1	0	21.78	0.151
					1	2	21.72	0.149
					1	5	21.76	0.150
					3	0	21.49	0.141
					3	1	21.30	0.135
					3	3	21.79	0.151
					6	0	20.70	0.117

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band5	3MHz	QPSK	20415	825.5	1	0	22.74	0.188
					1	7	22.61	0.182
					1	14	22.73	0.187
					8	0	21.71	0.148
					8	3	21.91	0.155
					8	7	21.99	0.158
					15	0	21.57	0.144
			20525	836.5	1	0	22.60	0.182
					1	7	22.69	0.186
					1	14	22.91	0.195
					8	0	21.92	0.156
					8	3	22.30	0.170
					8	7	22.18	0.165
					15	0	21.94	0.156
			20635	847.5	1	0	22.59	0.182
					1	7	22.44	0.175
					1	14	22.66	0.185
					8	0	21.63	0.146
					8	3	21.55	0.143
					8	7	21.55	0.143
					15	0	21.54	0.143
		16QAM	20415	825.5	1	0	21.33	0.136
					1	7	21.48	0.141
					1	14	21.41	0.138
					8	0	20.84	0.121
					8	3	20.69	0.117
					8	7	20.84	0.121
					15	0	21.09	0.129
			20525	836.5	1	0	21.75	0.150
					1	7	21.78	0.151
					1	14	21.55	0.143
					8	0	20.97	0.125
					8	3	21.36	0.137
					8	7	21.39	0.138
					15	0	21.40	0.138
			20635	847.5	1	0	21.58	0.144
					1	7	21.30	0.135
					1	14	21.31	0.135
					8	0	20.69	0.117
					8	3	20.91	0.123
					8	7	20.72	0.118
					15	0	20.65	0.116

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band5	5MHz	QPSK	20425	826.5	1	0	22.64	0.184
					1	12	22.52	0.179
					1	24	22.60	0.182
					12	0	21.65	0.146
					12	6	21.63	0.146
					12	13	21.62	0.145
					25	0	21.43	0.139
			20525	836.5	1	0	22.93	0.196
					1	12	22.86	0.193
					1	24	22.74	0.188
					12	0	21.78	0.151
					12	6	22.16	0.164
					12	13	22.03	0.160
					25	0	22.12	0.163
			20625	846.5	1	0	22.55	0.180
					1	12	22.63	0.183
					1	24	22.71	0.187
					12	0	21.57	0.144
					12	6	21.74	0.149
					12	13	21.74	0.149
					25	0	21.57	0.144
		16QAM	20425	826.5	1	0	21.49	0.141
					1	12	21.50	0.141
					1	24	21.92	0.156
					12	0	21.17	0.131
					12	6	21.05	0.127
					12	13	20.78	0.120
					25	0	20.57	0.114
			20525	836.5	1	0	21.69	0.148
					1	12	21.51	0.142
					1	24	21.44	0.139
					12	0	20.87	0.122
					12	6	21.42	0.139
					12	13	21.46	0.140
					25	0	21.24	0.133
			20625	846.5	1	0	21.24	0.133
					1	12	21.20	0.132
					1	24	21.44	0.139
					12	0	20.84	0.121
					12	6	20.84	0.121
					12	11	20.82	0.121
					25	0	20.90	0.123

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band5	10MHz	QPSK	20450	829.0	1	0	23.03	0.201
					1	24	22.95	0.197
					1	49	22.99	0.199
					25	0	21.81	0.152
					25	12	21.63	0.146
					25	25	22.05	0.160
					50	0	21.84	0.153
			20525	836.5	1	0	22.74	0.188
					1	24	22.63	0.183
					1	49	22.88	0.194
					25	0	21.90	0.155
					25	12	21.90	0.155
					25	25	21.80	0.151
					50	0	21.74	0.149
			20600	844.0	1	0	22.57	0.181
					1	24	22.23	0.167
					1	49	22.45	0.176
					25	0	21.53	0.142
					25	12	21.47	0.140
					25	25	21.80	0.151
					50	0	21.80	0.151
		16QAM	20450	829.0	1	0	21.68	0.147
					1	24	21.73	0.149
					1	49	21.69	0.148
					25	0	20.88	0.122
					25	12	21.12	0.129
					25	25	21.27	0.134
					50	0	21.28	0.134
			20525	836.5	1	0	21.77	0.150
					1	24	21.63	0.146
					1	49	21.44	0.139
					25	0	21.05	0.127
					25	12	21.34	0.136
					25	25	21.34	0.136
					50	0	21.19	0.132
			20600	844.0	1	0	21.34	0.136
					1	24	21.30	0.135
					1	49	21.20	0.132
					25	0	20.59	0.115
					25	12	20.69	0.117
					25	25	20.57	0.114
					50	0	20.57	0.114

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band7	5MHz	QPSK	20775	2502.5	1	0	22.71	0.187
					1	12	22.57	0.181
					1	24	22.68	0.185
					12	0	21.72	0.149
					12	6	21.70	0.148
					12	13	21.67	0.147
					25	0	21.68	0.147
			21100	2535.0	1	0	22.70	0.186
					1	12	22.80	0.191
					1	24	22.76	0.189
					12	0	21.68	0.147
					12	6	21.74	0.149
					12	13	21.73	0.149
					25	0	21.62	0.145
			21425	2567.5	1	0	22.31	0.170
					1	12	22.18	0.165
					1	24	22.37	0.173
					12	0	21.43	0.139
					12	6	21.49	0.141
					12	13	21.42	0.139
					25	0	21.27	0.134
		16QAM	20775	2502.5	1	0	21.42	0.139
					1	12	21.37	0.137
					1	24	21.32	0.136
					12	0	20.91	0.123
					12	6	20.88	0.122
					12	13	20.85	0.122
					25	0	20.74	0.119
			21100	2535.0	1	0	21.56	0.143
					1	12	21.55	0.143
					1	24	21.60	0.145
					12	0	20.81	0.121
					12	6	20.88	0.122
					12	13	20.88	0.122
					25	0	20.78	0.120
			21425	2567.5	1	0	21.05	0.127
					1	12	20.95	0.124
					1	24	21.13	0.130
					12	0	20.57	0.114
					12	6	20.45	0.111
					12	11	20.33	0.108
					25	0	20.44	0.111

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band7	10MHz	QPSK	20800	2505.0	1	0	22.68	0.185
					1	24	22.60	0.182
					1	49	22.73	0.187
					25	0	21.64	0.146
					25	12	21.63	0.146
					25	25	21.67	0.147
					50	0	21.55	0.143
			21100	2535.0	1	0	22.53	0.179
					1	24	22.56	0.180
					1	49	22.85	0.193
					25	0	21.63	0.146
					25	12	21.62	0.145
					25	25	21.68	0.147
					50	0	21.50	0.141
			21400	2565.0	1	0	22.33	0.171
					1	24	22.33	0.171
					1	49	22.37	0.173
					25	0	21.43	0.139
					25	12	21.52	0.142
					25	25	21.41	0.138
					50	0	21.35	0.136
		16QAM	20800	2505.0	1	0	21.63	0.146
					1	24	21.53	0.142
					1	49	22.18	0.165
					25	0	20.83	0.121
					25	12	20.75	0.119
					25	25	20.88	0.122
					50	0	20.70	0.117
			21100	2535.0	1	0	21.46	0.140
					1	24	21.49	0.141
					1	49	21.70	0.148
					25	0	20.84	0.121
					25	12	20.78	0.120
					25	25	20.84	0.121
					50	0	20.60	0.115
			21400	2565.0	1	0	21.20	0.132
					1	24	21.37	0.137
					1	49	21.25	0.133
					25	0	20.47	0.111
					25	12	20.77	0.119
					25	25	20.56	0.114
					50	0	20.19	0.104

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band7	15MHz	QPSK	20825	2507.5	1	0	22.50	0.178
					1	37	22.60	0.182
					1	74	22.71	0.187
					36	0	21.65	0.146
					36	19	21.74	0.149
					36	39	21.75	0.150
					75	0	21.72	0.149
			21100	2535.0	1	0	22.56	0.180
					1	37	22.55	0.180
					1	74	22.63	0.183
					36	0	21.62	0.145
					36	19	21.77	0.150
					36	39	21.92	0.156
					75	0	21.74	0.149
			21375	2562.5	1	0	22.36	0.172
					1	37	22.18	0.165
					1	74	22.29	0.169
					36	0	21.37	0.137
					36	19	21.43	0.139
					36	39	21.50	0.141
					75	0	21.43	0.139
		16QAM	20825	2507.5	1	0	21.55	0.143
					1	37	21.53	0.142
					1	74	21.56	0.143
					36	0	20.66	0.116
					36	19	20.81	0.121
					36	39	20.72	0.118
					75	0	20.75	0.119
			21100	2535.0	1	0	21.52	0.142
					1	37	21.57	0.144
					1	74	21.71	0.148
					36	0	20.72	0.118
					36	19	20.68	0.117
					36	39	20.85	0.122
					75	0	20.64	0.116
			21375	2562.5	1	0	21.48	0.141
					1	37	21.40	0.138
					1	74	21.27	0.134
					36	0	20.30	0.107
					36	19	20.52	0.113
					36	39	20.41	0.110
					75	0	20.21	0.105

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band7	20MHz	QPSK	20850	2510.0	1	0	22.71	0.187
					1	49	22.78	0.190
					1	99	22.89	0.195
					50	0	21.73	0.149
					50	25	21.72	0.149
					50	50	21.89	0.155
					100	0	21.74	0.149
			21100	2535.0	1	0	22.71	0.187
					1	49	22.74	0.188
					1	99	22.86	0.193
					50	0	21.70	0.148
					50	25	21.67	0.147
					50	50	21.70	0.148
					100	0	21.58	0.144
			21350	2560.0	1	0	22.43	0.175
					1	49	22.59	0.182
					1	99	22.43	0.175
					50	0	21.49	0.141
					50	25	21.48	0.141
					50	50	21.38	0.137
					100	0	21.53	0.142
		16QAM	20850	2510.0	1	0	21.43	0.139
					1	49	21.58	0.144
					1	99	21.73	0.149
					50	0	20.77	0.119
					50	25	20.85	0.122
					50	50	20.92	0.124
					100	0	20.83	0.121
			21100	2535.0	1	0	21.56	0.143
					1	49	21.58	0.144
					1	99	21.71	0.148
					50	0	20.57	0.114
					50	25	20.57	0.114
					50	50	20.85	0.122
					100	0	20.85	0.122
			21350	2560.0	1	0	21.40	0.138
					1	49	21.46	0.140
					1	99	21.24	0.133
					50	0	20.44	0.111
					50	25	20.55	0.114
					50	50	20.36	0.109
					100	0	20.48	0.112

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band17	5MHz	QPSK	23755	706.5	1	0	22.18	0.165
					1	12	22.46	0.176
					1	24	22.93	0.196
					12	0	21.96	0.157
					12	6	21.83	0.152
					12	13	21.82	0.152
					25	0	21.91	0.155
			23790	710.0	1	0	22.38	0.173
					1	12	22.32	0.171
					1	24	22.65	0.184
					12	0	21.60	0.145
					12	6	21.81	0.152
					12	13	21.90	0.155
					25	0	21.79	0.151
			23825	713.5	1	0	22.90	0.195
					1	12	22.95	0.197
					1	24	22.63	0.183
					12	0	21.74	0.149
					12	6	21.86	0.153
					12	13	21.88	0.154
					25	0	21.90	0.155
		16QAM	23755	706.5	1	0	21.73	0.149
					1	12	21.60	0.145
					1	24	22.39	0.173
					12	0	21.08	0.128
					12	6	20.85	0.122
					12	13	20.74	0.119
					25	0	20.60	0.115
			23790	710.0	1	0	21.76	0.150
					1	12	21.90	0.155
					1	24	22.15	0.164
					12	0	20.95	0.124
					12	6	20.76	0.119
					12	13	20.84	0.121
					25	0	20.88	0.122
			23825	713.5	1	0	21.93	0.156
					1	12	22.08	0.161
					1	24	21.97	0.157
					12	0	21.09	0.129
					12	6	21.02	0.126
					12	11	20.93	0.124
					25	0	20.89	0.123

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band17	10MHz	QPSK	23780	709.0	1	0	21.95	0.157
					1	24	21.99	0.158
					1	49	22.93	0.196
					25	0	21.41	0.138
					25	12	21.14	0.130
					25	25	21.79	0.151
					50	0	21.67	0.147
			23790	710.0	1	0	22.62	0.183
					1	24	22.44	0.175
					1	49	22.97	0.198
					25	0	21.63	0.146
					25	12	21.59	0.144
					25	25	21.72	0.149
					50	0	21.82	0.152
			23800	711.0	1	0	22.39	0.173
					1	24	22.60	0.182
					1	49	22.39	0.173
					25	0	21.44	0.139
					25	12	21.76	0.150
					25	25	21.80	0.151
					50	0	21.80	0.151
		16QAM	23780	709.0	1	0	21.83	0.152
					1	24	22.03	0.160
					1	49	21.97	0.157
					25	0	20.65	0.116
					25	12	20.77	0.119
					25	25	20.85	0.122
					50	0	20.66	0.116
			23790	710.0	1	0	21.99	0.158
					1	24	21.87	0.154
					1	49	21.90	0.155
					25	0	20.54	0.113
					25	12	20.19	0.104
					25	25	20.29	0.107
					50	0	20.34	0.108
			23800	711.0	1	0	21.77	0.150
					1	24	22.02	0.159
					1	49	21.49	0.141
					25	0	20.21	0.105
					25	12	20.84	0.121
					25	25	20.89	0.123
					50	0	20.43	0.110

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band41	5MHz	QPSK	39675	2498.5	1	0	22.95	0.197
					1	12	22.92	0.196
					1	24	22.82	0.191
					12	0	22.03	0.160
					12	6	22.09	0.162
					12	13	21.92	0.156
					25	0	22.06	0.161
			40620	2593.0	1	0	22.80	0.191
					1	12	22.77	0.189
					1	24	22.70	0.186
					12	0	21.81	0.152
					12	6	21.80	0.151
					12	13	21.86	0.153
					25	0	21.80	0.151
			41565	2687.5	1	0	22.86	0.193
					1	12	22.75	0.188
					1	24	22.70	0.186
					12	0	21.92	0.156
					12	6	21.95	0.157
					12	13	21.73	0.149
					25	0	21.73	0.149
		16QAM	39675	2498.5	1	0	21.96	0.157
					1	12	21.84	0.153
					1	24	22.07	0.161
					12	0	20.88	0.122
					12	6	20.95	0.124
					12	13	20.95	0.124
					25	0	20.96	0.125
			40620	2593.0	1	0	21.88	0.154
					1	12	21.69	0.148
					1	24	21.64	0.146
					12	0	21.01	0.126
					12	6	20.94	0.124
					12	13	20.88	0.122
					25	0	20.80	0.120
			41565	2687.5	1	0	21.92	0.156
					1	12	21.83	0.152
					1	24	21.82	0.152
					12	0	20.91	0.123
					12	6	20.85	0.122
					12	11	20.72	0.118
					25	0	20.88	0.122

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band41	10MHz	QPSK	39700	2501.0	1	0	22.94	0.197
					1	24	22.54	0.179
					1	49	22.46	0.176
					25	0	21.89	0.155
					25	12	21.93	0.156
					25	25	21.83	0.152
					50	0	21.87	0.154
			40620	2593.0	1	0	22.78	0.190
					1	24	22.55	0.180
					1	49	22.49	0.177
					25	0	21.61	0.145
					25	12	21.67	0.147
					25	25	21.60	0.145
					50	0	21.67	0.147
			41540	2685.0	1	0	22.56	0.180
					1	24	22.51	0.178
					1	49	22.53	0.179
					25	0	21.78	0.151
					25	12	21.58	0.144
					25	25	21.70	0.148
					50	0	21.66	0.147
		16QAM	39700	2501.0	1	0	22.14	0.164
					1	24	21.81	0.152
					1	49	21.97	0.157
					25	0	20.89	0.123
					25	12	20.83	0.121
					25	25	20.89	0.123
					50	0	20.95	0.124
			40620	2593.0	1	0	21.94	0.156
					1	24	21.82	0.152
					1	49	21.68	0.147
					25	0	20.74	0.119
					25	12	20.76	0.119
					25	25	20.59	0.115
					50	0	20.68	0.117
			41540	2685.0	1	0	21.83	0.152
					1	24	21.77	0.150
					1	49	21.80	0.151
					25	0	20.87	0.122
					25	12	20.82	0.121
					25	25	20.59	0.115
					50	0	20.77	0.119

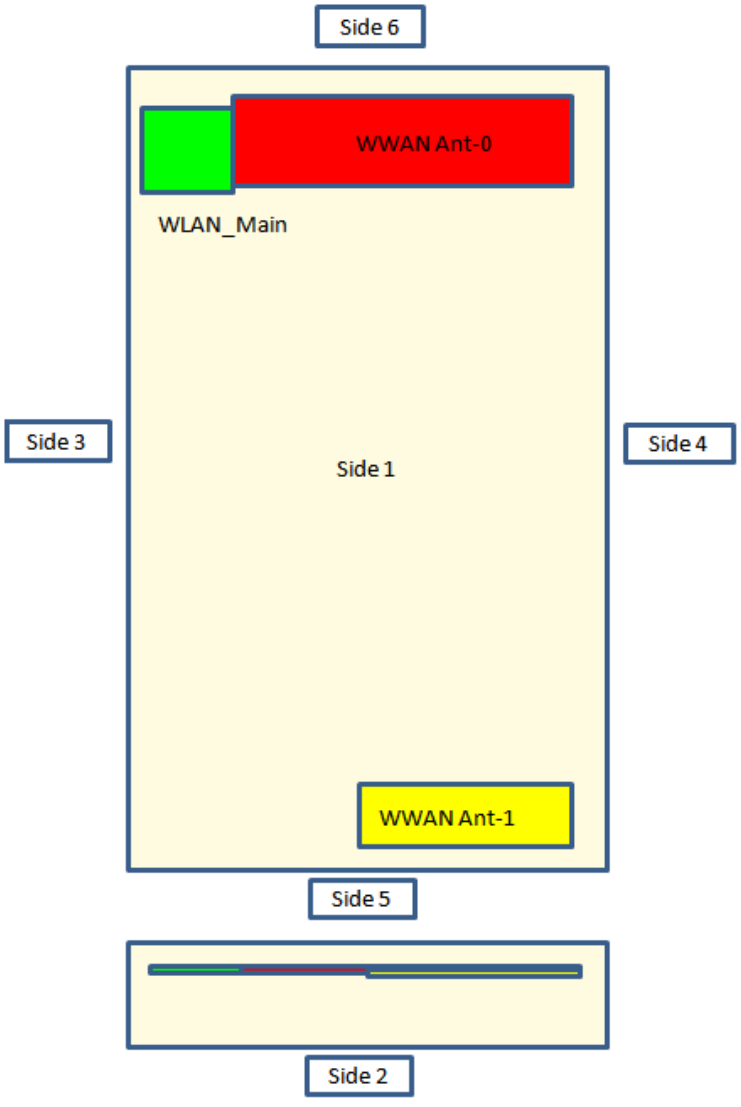
Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band41	15MHz	QPSK	39725	2503.5	1	0	22.83	0.192
					1	37	22.86	0.193
					1	74	22.73	0.187
					36	0	22.10	0.162
					36	19	21.89	0.155
					36	39	21.84	0.153
					75	0	22.00	0.158
			40620	2593.0	1	0	22.76	0.189
					1	37	22.55	0.180
					1	74	22.38	0.173
					36	0	21.96	0.157
					36	19	21.79	0.151
					36	39	21.79	0.151
					75	0	21.92	0.156
			41515	2682.5	1	0	22.96	0.198
					1	37	22.86	0.193
					1	74	22.61	0.182
					36	0	21.91	0.155
					36	19	21.76	0.150
					36	39	21.75	0.150
					75	0	22.03	0.160
		16QAM	39725	2503.5	1	0	21.91	0.155
					1	37	21.91	0.155
					1	74	21.95	0.157
					36	0	21.31	0.135
					36	19	20.98	0.125
					36	39	20.91	0.123
					75	0	20.93	0.124
			40620	2593.0	1	0	22.13	0.163
					1	37	21.98	0.158
					1	74	22.19	0.166
					36	0	21.09	0.129
					36	19	20.87	0.122
					36	39	20.78	0.120
					75	0	20.96	0.125
			41515	2682.5	1	0	22.01	0.159
					1	37	22.02	0.159
					1	74	21.96	0.157
					36	0	21.15	0.130
					36	19	20.78	0.120
					36	39	20.73	0.118
					75	0	20.90	0.123

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band41	20MHz	QPSK	39750	2506.0	1	0	22.83	0.192
					1	49	22.71	0.187
					1	99	22.97	0.198
					50	0	22.34	0.171
					50	25	21.85	0.153
					50	50	22.17	0.165
					100	0	22.29	0.169
			40620	2593.0	1	0	22.84	0.192
					1	49	22.69	0.186
					1	99	22.69	0.186
					50	0	22.40	0.174
					50	25	21.87	0.154
					50	50	21.92	0.156
					100	0	22.08	0.161
			41490	2680.0	1	0	22.81	0.191
					1	49	22.45	0.176
					1	99	22.89	0.195
					50	0	22.02	0.159
					50	25	21.85	0.153
					50	50	22.02	0.159
					100	0	22.31	0.170
		16QAM	39750	2506.0	1	0	21.97	0.157
					1	49	21.87	0.154
					1	99	22.07	0.161
					50	0	21.32	0.136
					50	25	20.89	0.123
					50	50	21.19	0.132
					100	0	21.22	0.132
			40620	2593.0	1	0	22.01	0.159
					1	49	21.77	0.150
					1	99	22.16	0.164
					50	0	21.31	0.135
					50	25	21.01	0.126
					50	50	21.06	0.128
					100	0	21.07	0.128
			41490	2680.0	1	0	21.80	0.151
					1	49	21.81	0.152
					1	99	22.11	0.163
					50	0	21.17	0.131
					50	25	20.88	0.122
					50	50	20.96	0.125
					100	0	21.22	0.132

Band	Data Rate (Mbps)	CH	Frequency (MHz)	Average Power (dBm)
IEEE 802.11b	1	1	2412.0	11.84
		6	2437.0	11.93
		11	2462.0	11.29
	2	6	2437.0	11.17
	5.5	6	2437.0	11.08
	11	6	2437.0	10.96
IEEE 802.11g	6	1	2412.0	9.51
		6	2437.0	9.61
		11	2462.0	9.12
	9	6	2437.0	9.06
	12	6	2437.0	8.98
	18	6	2437.0	8.83
	24	6	2437.0	8.52
	36	6	2437.0	7.91
	48	6	2437.0	7.41
	54	6	2437.0	7.18
IEEE 802.11n 2.4 GHz 20MHz	6.5	1	2412.0	8.95
		6	2437.0	9.31
		11	2462.0	9.09
	65	6	2437.0	8.06

6.10 Antenna location

Antenna-User						
Antenna	To Side 1 (mm)	To Side 2 (mm)	To Side 3 (mm)	To Side 4 (mm)	To Side 5 (mm)	To Side 6 (mm)
WWAN Ant-0	4	12	15	5	110	4
WWAN Ant-1	4	12	33	5	4	114
WLAN_Main	4	12	2	53	109	6



6.11 Stand-alone SAR Evaluate

Transmitter and antenna implementation as below:

Band	WWAN Ant-0	WWAN Ant-1	WLAN Main
WWAN	V	V	---
WLAN	---	---	V

Stand-alone transmission configurations as below:

Band	Side 1	Side 2	Side 3	Side 4	Side 5	Side 6
GPRS/EGPRS 850	V	V	V	V	V	V
GPRS/EGPRS 1900	V	V	V	V	V	V
WCDMA(RMC-12.2K)/HSDPA/HSUPA BandII	V	V	V	V	V	V
WCDMA(RMC-12.2K)/HSDPA/HSUPA BandIV	V	V	V	V	V	V
WCDMA(RMC-12.2K)/HSDPA/HSUPA BandV	V	V	V	V	V	V
LTE Band2	V	V	V	V	---	V
LTE Band4	V	V	V	V	---	V
LTE Band5	V	V	V	V	---	V
LTE Band7	V	V	V	V	---	V
LTE Band17	V	V	V	V	---	V
LTE Band41	V	V	V	V	---	V
IEEE 802.11b	V	V	V	---	---	V
IEEE 802.11g	---	---	---	---	---	---
IEEE 802.11n 2.4GHz 20MHz	---	---	---	---	---	---

Note: The "-" on behalf of Stand-alone SAR is not required (Refer to KDB447498 D01 v06 4.3.1 for the Standalone SAR test exclusion considerations)

Ant. Used	Band	Channel	Frequency	Tune-Power		Distance of Ant. To User (mm)					
			(GHz)	(dBm)	(mW)	Side 1	Side 2	Side 3	Side 4	Side 5	Side 6
WWAN Ant-0	GPRS 850	251	0.8488	33	1995	5	12	15	5	110	5
	GPRS 1900	810	1.9098	30.1	1023	5	12	15	5	110	5
	WCDMA BII	9538	1.9076	23	200	5	12	15	5	110	5
	WCDMA BIV	1513	1.7526	22.8	191	5	12	15	5	110	5
	WCDMA BV	4233	0.8466	23	200	5	12	15	5	110	5
	LTE Band 2	19100	1.9	23.3	214	5	12	15	5	110	5
	LTE Band 4	20300	1.745	23.3	214	5	12	15	5	110	5
	LTE Band 5	20600	0.844	23.1	204	5	12	15	5	110	5
	LTE Band 7	21350	2.56	23	200	5	12	15	5	110	5
	LTE Band 17	23800	0.711	23	200	5	12	15	5	110	5
	LTE Band 41	41490	2.68	23	200	5	12	15	5	110	5
WWAN Ant-1	WCDMA BII	9538	1.9076	23	200	5	12	33	5	5	114
	WCDMA BV	4233	0.8466	23.1	204	5	12	33	5	5	114
WLAN_Main	IEEE 802.11 b	11	2.462	11.6	14	5	12	5	53	109	6
	IEEE 802.11 g	11	2.462	9.5	9	5	12	5	53	109	6
	IEEE 802.11 n 20M (2.4GHz)	11	2.462	9.4	9	5	12	5	53	109	6

Ant. Used	Band	Channel	Frequency	Tune-Power		Calculated value and evaluated result					
			(GHz)	(dBm)	(mW)	Side 1	Side 2	Side 3	Side 4	Side 5	Side 6
WWAN Ant-0	GPRS 850	251.00	0.85	33.00	1995.00	367.6	153.2	122.5	367.6	502.3mW	367.6
						MEASURE	MEASURE	MEASURE	MEASURE	MEASURE	MEASURE
	GPRS 1900	810.00	1.91	30.10	1023.00	282.7	117.8	94.2	282.7	708.5mW	282.7
						MEASURE	MEASURE	MEASURE	MEASURE	MEASURE	MEASURE
	WCDMA BII	9538.00	1.91	23.00	200.00	55.2	23	18.4	55.2	708.6mW	55.2
						MEASURE	MEASURE	MEASURE	MEASURE	EXEMPT	MEASURE
	WCDMA BIV	1513.00	1.75	22.80	191.00	50.6	21.1	16.9	50.6	713.3mW	50.6
						MEASURE	MEASURE	MEASURE	MEASURE	EXEMPT	MEASURE
	WCDMA BV	4233.00	0.85	23.00	200.00	36.8	15.3	12.3	36.8	501.7mW	36.8
						MEASURE	MEASURE	MEASURE	MEASURE	EXEMPT	MEASURE
	LTE Band 2	19100.00	1.90	23.30	214.00	59	24.6	19.7	59	708.8mW	59
						MEASURE	MEASURE	MEASURE	MEASURE	EXEMPT	MEASURE
	LTE Band 4	20300.00	1.75	23.30	214.00	56.5	23.6	18.8	56.5	713.6mW	56.5
						MEASURE	MEASURE	MEASURE	MEASURE	EXEMPT	MEASURE
	LTE Band 5	20600.00	0.84	23.10	204.00	37.5	15.6	12.5	37.5	500.9mW	37.5
						MEASURE	MEASURE	MEASURE	MEASURE	EXEMPT	MEASURE
	LTE Band 7	21350.00	2.56	23.00	200.00	64	26.7	21.3	64	693.8mW	64
						MEASURE	MEASURE	MEASURE	MEASURE	EXEMPT	MEASURE
	LTE Band 17	23800.00	0.71	23.00	200.00	33.7	14.1	11.2	33.7	462.3mW	33.7
						MEASURE	MEASURE	MEASURE	MEASURE	EXEMPT	MEASURE
	LTE Band 41	41490.00	2.68	23.00	200.00	65.5	27.3	21.8	65.5	691.6mW	65.5
						MEASURE	MEASURE	MEASURE	MEASURE	EXEMPT	MEASURE
WWAN Ant-1	WCDMA BII	9538.00	1.91	23.00	200.00	55.2	23	8.4	55.2	55.2	748.6mW
						MEASURE	MEASURE	MEASURE	MEASURE	MEASURE	EXEMPT
	WCDMA BV	4233.00	0.85	23.10	204.00	37.5	15.6	5.7	37.5	37.5	524.2mW
						MEASURE	MEASURE	MEASURE	MEASURE	MEASURE	EXEMPT
WLAN_ Main	IEEE 802.11 b	11.00	2.46	11.60	14.00	4.4	1.8	4.4	125.6mW	685.6mW	3.7
						MEASURE	EXEMPT	MEASURE	EXEMPT	EXEMPT	MEASURE
	IEEE 802.11 g	11.00	2.46	9.50	9.00	2.8	1.2	2.8	125.6mW	685.6mW	2.4
						EXEMPT	EXEMPT	EXEMPT	EXEMPT	EXEMPT	EXEMPT
	IEEE 802.11 n 20M (2.4GHz)	11.00	2.46	9.40	9.00	2.8	1.2	2.8	125.6mW	685.6mW	2.4
						EXEMPT	EXEMPT	EXEMPT	EXEMPT	EXEMPT	EXEMPT

Note:

1.Calculated Value include string "mW",that is meam through compare output power with threshold, if the output power more than threshold value the SAR test should be perform. Otherwise,the SAR test could be exempt. (> 50mm).

2.Calculated Value only inculde number format, that is mean through compare output power with threshold, if the Calculated value more than 3, the SAR test should be perform. Otherwise, the SAR test could be exempt. (<50mm).

3.When an antenna qualifies for the standalone SAR test exclusion of KDB 447498 section 4.3.1 and also transmits simultaneously with other antennas, the standalone SAR value must be estimated according to KDB 447498 section "4.3.2. Simultaneous transmission SAR test exclusion considerations b) ".

4.We used highest frequency and power,that result should be evaluated the worst case..

5.Power and distance are rounded to the nearest mW and mm before calculation. .

6.The result is rounded to one decimal place for comparison.

6.12 Simultaneous Transmitting Evaluate

Simultaneous transmission configurations as below:

Condition	Side	Frequency Band	
		WWAN Antenna	WLAN Antenna
1	1	V	V
2	2	V	V
3	3	V	V
4	4	V	V
5	5	V	V
6	6	V	V

Estimated SAR

Ant. Used	Band	Channel	Frequency	Tune-Power		Distance of Ant. To User (mm)					
			(GHz)	(dBm)	(mW)	Side 1	Side 2	Side 3	Side 4	Side 5	Side 6
WWAN Ant-0	GPRS 850	251	0.8488	33	1995	---	---	---	---	---	---
	GPRS 1900	810	1.9098	30.1	1023	---	---	---	---	---	---
	WCDMA BII	9538	1.9076	23	200	---	---	---	---	0.4	---
	WCDMA BIV	1513	1.7526	22.8	191	---	---	---	---	0.4	---
	WCDMA BV	4233	0.8466	23	200	---	---	---	---	0.4	---
	LTE Band 2	19100	1.9	23.3	214	---	---	---	---	0.4	---
	LTE Band 4	20300	1.745	23.3	214	---	---	---	---	0.4	---
	LTE Band 5	20600	0.844	23.1	204	---	---	---	---	0.4	---
	LTE Band 7	21350	2.56	23	200	---	---	---	---	0.4	---
	LTE Band 17	23800	0.711	23	200	---	---	---	---	0.4	---
	LTE Band 41	41490	2.68	23	200	---	---	---	---	0.4	---
WWAN Ant-1	WCDMA BII	9538	1.9076	23	200	---	---	---	---	---	0.4
	WCDMA BV	4233	0.8466	23.1	204	---	---	---	---	---	0.4
WLAN_Main	IEEE 802.11 b	11	2.462	11.6	14	-	0.28	-	0.4	0.4	-
	IEEE 802.11 g	11	2.462	9.5	9	0.38	0.16	0.38	0.4	0.4	0.31
	IEEE 802.11 n 20M (2.4GHz)	11	2.462	9.4	9	0.38	0.16	0.38	0.4	0.4	0.31

6.12.1 Sum of 1-g SAR of all simultaneously transmitting

When the sum of 1-g SAR of all simultaneously transmitting antennas in and operating mode and exposure condition combination is within the SAR limit, SAR test exclusion applies to that simultaneous transmission configuration.

Sum of 1-g SAR of summary as below:

Phantom Position		Spacing (mm)	ASSY	WWAN Ant-0		WLAN Main		∑ SAR1g (W/Kg)	Event
				Band	SAR1g (W/Kg)	Band	SAR1g (W/Kg)		
Flat	Side 1	10	N/A	WCDMA BandII	0.77	IEEE 802.11b	0.06	0.83	<1.6
	Side 2	10	N/A	WCDMA BandIV	1.44	IEEE 802.11b	0.02	1.46	<1.6
	Side 3	10	N/A	WCDMA BandV	0.47	IEEE 802.11b	0.02	0.49	<1.6
	Side 4	10	N/A	WCDMA BandII	0.91	IEEE 802.11b	**0.4	1.31	<1.6
	Side 5	10	N/A	GPRS 1900	0.03	IEEE 802.11b	**0.4	0.43	<1.6
	Side 6	10	N/A	LTE Band7	0.72	IEEE 802.11b	0	0.72	<1.6

Phantom Position		Spacing (mm)	ASSY	WWAN Ant-1		WLAN Main		∑ SAR1g (W/Kg)	Event
				Band	SAR1g (W/Kg)	Band	SAR1g (W/Kg)		
Flat	Side 1	10	N/A	WCDMA BandV	0.89	IEEE 802.11b	0.06	0.95	<1.6
	Side 2	10	N/A	WCDMA BandV	1.21	IEEE 802.11b	0.02	1.23	<1.6
	Side 3	10	N/A	WCDMA BandV	0.34	IEEE 802.11b	0.02	0.36	<1.6
	Side 4	10	N/A	WCDMA BandII	0.9	IEEE 802.11b	**0.4	1.3	<1.6
	Side 5	10	N/A	WCDMA BandII	0.6	IEEE 802.11b	**0.4	1	<1.6
	Side 6	10	N/A	GPRS 1900	0.21	IEEE 802.11b	0	0.21	<1.6

Note: 1. *=Estimated SAR

2. **The Estimated SAR 0.4W/Kg , test separation distances is > 50 mm
3. When the sum of 1-g SAR of all simultaneously transmitting antennas in and operating mode and exposure condition combination is within the SAR limit, SAR test exclusion applies to that simultaneous transmission configuration.
4. We perform the test for IEEE 802.11b_side2 to provide the summary result.

6.12.2 SAR to peak location separation ratio (SPLSR)

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

All of sum of SAR < 1.6 W/kg, therefore SPLSR is not required.

6.13 SAR test reduction according to KDB

General:

- The test data reported are the worst-case SAR value with the position set in a typical configuration. Test procedures used were according to FCC, Supplement C [June 2001], IEEE1528-2013.
- All modes of operation were investigated, and worst-case results are reported.
- Tissue parameters and temperatures are listed on the SAR plots.
- Batteries are fully charged for all readings.
- When the Channel's SAR 1g of maximum conducted power is > 0.8 mW/g, low, middle and high channel are supposed to be tested.

KDB 447498:

- The test data reported are the worst-case SAR value with the position set in a typical configuration. Test procedures used were according to IEEE1528-2013.

KDB 865664:

- Repeated measurement is not required when the original highest measured SAR is < 0.80 W/kg.
- When the original highest measured SAR is ≥ 0.80 W/kg, repeat that measurement once.
- Perform a second repeated measurement only if the ratio of largest to smallest SAR for the original and first repeated measurements is > 1.20 or when the original or repeated measurement is ≥ 1.45 W/kg.
- Perform a third repeated measurement only if the original, first or second repeated measurement is ≥ 1.5 W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20.

KDB 941225:

- In order to qualify for the above test reduction, the maximum burst-averaged output power for each mode (GMS/GPRS/EDGE) and the corresponding multi-slot class must be clearly identified in the SAR report for each frequency band.We perform worst case SAR with maximum time-average power on GMS/GPRS/EDGE mode.
- When HSDPA & (HSUPA / HSPA+ uplink with QPSK) power are not more than WCDMA 12.2K RMC 0.25dB and the SAR value of WCDMA BII/BV<1.2 W/kg ,therefore HSDPA & HSUPA / HSPA+ Stand-alone SAR is not required.
- SAR for EVDO Rev. A is not required when the maximum average output of each RF channels is less than that measured in Subtype 0/1 Physical layer configurations.
- For 1xRTT SAR is not required when the maximum average output of each channel is less than 1/4 dB higher than that measured in EVDO Rev.0.
- When the reported SAR is ≤ 0.8 W/kg, testing of the remaining RB offset configurations and required test channels is not required for 1 RB allocation, otherwise, SAR is required for the remaining required test channels and only for the RB offset configuration with the highest output power for that channel.

- For QPSK with 100% RB allocation, SAR is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation in 5.2.1 and 5.2.2 are ≤ 0.8 W/kg. Otherwise, SAR is measured for the highest output power channel and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested.
- SAR is required only when the highest maximum output power for the configuration in the higher order modulation is > ½ dB higher than the same configuration in QPSK or when the reported SAR for the QPSK configuration is > 1.45 W/kg.
- For smaller channel bandwidth SAR when the highest maximum output power of a configuration requiring testing in the smaller channel bandwidth is > ½ dB higher than the equivalent channel configurations in the largest channel bandwidth configuration or the reported SAR of a configuration for the largest channel bandwidth is > 1.45 W/kg.
- SAR must be measured for all sides and surfaces with a transmitting antenna located within 25 mm from that surface or edge.

KDB 248227:

- Refer 6.8 SAR Testing with 802.11 Transmitters.

7. System Verification and Validation

7.1 Symmetric Dipoles for System Verification

Construction	Symmetrical dipole with l/4 balun enables measurement of feed point impedance with NWA matched for use near flat phantoms filled with head simulating solutions Includes distance holder and tripod adaptor Calibration Calibrated SAR value for specified position and input power at the flat phantom in head simulating solutions.
Frequency	750, 835, 1750, 1900, 2450, 2600 MHz
Return Loss	> 20 dB at specified verification position
Power Capability	> 100 W (f < 1GHz); > 40 W (f > 1GHz)
Options	Dipoles for other frequencies or solutions and other calibration conditions are available upon request
Dimensions	D750V3: dipole length 177 mm; overall height 300 mm D835V2: dipole length 161 mm; overall height 340 mm D1750V2: dipole length 75.2 mm; overall height 301.5 mm D1900V2: dipole length 67.7 mm; overall height 300 mm D2450V2: dipole length 51.5 mm; overall height 300 mm D2600V2: dipole length 49.2 mm; overall height 290 mm

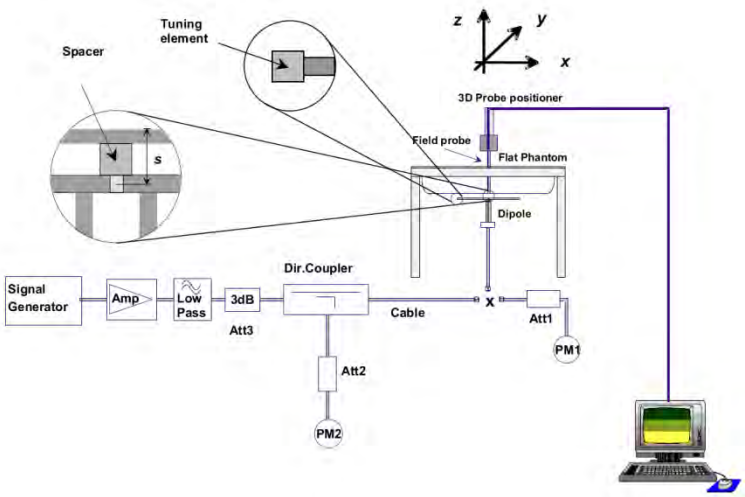


Figure 8. System Verification Setup Diagram

Figure 9. Validation Kit

7.2 Liquid Parameters

Liquid Verify								
Ambient Temperature： 22 ± 2 °C；Relative Humidity：40 -70%								
Liquid Type	Frequency	Temp (°C)	Parameters	Target Value	Measured Value	Deviation (%)	Limit (%)	Measured Date
750MHz (Body)	698MHz	22.0	εr	55.73	54.94	-1.44%	± 5	2017/04/07
			σ	0.959	0.944	-2.08%	± 5	
	709MHz	22.0	εr	55.69	54.57	-1.98%	± 5	
			σ	0.960	0.955	0.00%	± 5	
	710MHz	22.0	εr	55.69	54.55	-2.15%	± 5	
			σ	0.960	0.956	0.00%	± 5	
	711MHz	22.0	εr	55.68	54.52	-2.15%	± 5	
			σ	0.960	0.958	0.00%	± 5	
	730MHz	22.0	εr	55.61	54.27	-2.34%	± 5	
			σ	0.962	0.985	3.13%	± 5	
	750MHz	22.0	εr	55.53	54.58	-1.62%	± 5	
			σ	0.963	0.998	4.17%	± 5	
835MHz (Body)	820MHz	22.0	εr	55.26	55.06	-0.36%	± 5	2017/04/01
			σ	0.969	0.951	-2.06%	± 5	
	824MHz	22.0	εr	55.24	54.98	-0.36%	± 5	
			σ	0.969	0.956	-1.03%	± 5	
	835MHz	22.0	εr	55.20	54.86	-0.54%	± 5	
			σ	0.970	0.971	0.00%	± 5	
	837MHz	22.0	εr	55.19	54.86	-0.54%	± 5	
			σ	0.972	0.974	0.00%	± 5	
	849MHz	22.0	εr	55.16	54.92	-0.54%	± 5	
			σ	0.987	0.995	1.01%	± 5	
	850MHz	22.0	εr	55.15	54.92	-0.54%	± 5	
			σ	0.988	0.997	1.01%	± 5	

Table 3. Measured Tissue dielectric parameters for body phantoms -1

Liquid Verify								
Ambient Temperature： 22 ± 2 °C；Relative Humidity：40 -70%								
Liquid Type	Frequency	Temp (°C)	Parameters	Target Value	Measured Value	Deviation (%)	Limit (%)	Measured Date
1750MHz (Body)	1700MHz	22.0	εr	53.56	52.53	-2.05%	± 5	2017/03/29
			σ	1.457	1.489	2.06%	± 5	
	1712MHz	22.0	εr	53.53	52.49	-1.87%	± 5	
			σ	1.464	1.498	2.74%	± 5	
	1720MHz	22.0	εr	53.51	52.46	-1.87%	± 5	
			σ	1.469	1.504	2.04%	± 5	
	1733MHz	22.0	εr	53.48	52.42	-2.06%	± 5	
			σ	1.478	1.514	2.03%	± 5	
	1745MHz	22.0	εr	53.44	52.39	-1.87%	± 5	
			σ	1.485	1.524	2.01%	± 5	
	1750MHz	22.0	εr	53.43	52.38	-1.87%	± 5	
			σ	1.488	1.529	2.69%	± 5	
	1753MHz	22.0	εr	53.42	52.38	-1.87%	± 5	
			σ	1.490	1.533	2.69%	± 5	
	1760MHz	22.0	εr	53.41	52.37	-1.87%	± 5	
			σ	1.495	1.540	3.36%	± 5	
1750MHz (Body)	1700MHz	22.0	εr	53.56	52.53	-2.05%	± 5	2017/03/30
			σ	1.457	1.489	2.06%	± 5	
	1712MHz	22.0	εr	53.53	52.49	-1.87%	± 5	
			σ	1.464	1.498	2.74%	± 5	
	1720MHz	22.0	εr	53.51	52.46	-1.87%	± 5	
			σ	1.469	1.504	2.04%	± 5	
	1733MHz	22.0	εr	53.48	52.42	-2.06%	± 5	
			σ	1.478	1.514	2.03%	± 5	
	1745MHz	22.0	εr	53.44	52.39	-1.87%	± 5	
			σ	1.485	1.524	2.01%	± 5	
	1750MHz	22.0	εr	53.43	52.38	-1.87%	± 5	
			σ	1.488	1.529	2.69%	± 5	
	1753MHz	22.0	εr	53.42	52.38	-1.87%	± 5	
			σ	1.490	1.533	2.69%	± 5	
	1760MHz	22.0	εr	53.41	52.37	-1.87%	± 5	
			σ	1.495	1.540	3.36%	± 5	

Table 4. Measured Tissue dielectric parameters for body phantoms -2

Liquid Verify								
Ambient Temperature： 22 ± 2 °C；Relative Humidity：40 -70%								
Liquid Type	Frequency	Temp (°C)	Parameters	Target Value	Measured Value	Deviation (%)	Limit (%)	Measured Date
1750MHz (Body)	1700MHz	22.0	εr	53.56	52.53	-2.05%	± 5	2017/04/03
			σ	1.457	1.489	2.06%	± 5	
	1750MHz	22.0	εr	53.43	52.38	-1.87%	± 5	
			σ	1.488	1.529	2.69%	± 5	
	1753MHz	22.0	εr	53.42	52.38	-1.87%	± 5	
			σ	1.490	1.533	2.69%	± 5	
	1760MHz	22.0	εr	53.41	52.37	-1.87%	± 5	
			σ	1.495	1.540	3.36%	± 5	
1900MHz (Body)	1850MHz	22.0	εr	53.30	52.19	-2.06%	± 5	2017/03/30
			σ	1.520	1.527	0.66%	± 5	
	1852MHz	22.0	εr	53.30	52.18	-2.06%	± 5	
			σ	1.520	1.530	0.66%	± 5	
	1880MHz	22.0	εr	53.30	52.22	-2.06%	± 5	
			σ	1.520	1.564	2.63%	± 5	
	1900MHz	22.0	εr	53.30	52.15	-2.25%	± 5	
			σ	1.520	1.583	3.95%	± 5	
	1908MHz	22.0	εr	53.30	52.07	-2.25%	± 5	
			σ	1.520	1.588	4.61%	± 5	
	1910MHz	22.0	εr	53.30	52.02	-2.44%	± 5	
			σ	1.520	1.589	4.61%	± 5	
1900MHz (Body)	1850MHz	22.0	εr	53.30	52.19	-2.06%	± 5	2017/03/31
			σ	1.520	1.527	0.66%	± 5	
	1860MHz	22.0	εr	53.30	52.18	-2.06%	± 5	
			σ	1.520	1.541	1.32%	± 5	
	1880MHz	22.0	εr	53.30	52.22	-2.06%	± 5	
			σ	1.520	1.564	2.63%	± 5	
	1900MHz	22.0	εr	53.30	52.15	-2.25%	± 5	
			σ	1.520	1.583	3.95%	± 5	
	1910MHz	22.0	εr	53.30	52.02	-2.44%	± 5	
			σ	1.520	1.589	4.61%	± 5	

Table 5. Measured Tissue dielectric parameters for body phantoms -3

Liquid Verify								
Ambient Temperature： 22 ± 2 °C；Relative Humidity：40 -70%								
Liquid Type	Frequency	Temp (°C)	Parameters	Target Value	Measured Value	Deviation (%)	Limit (%)	Measured Date
2450MHz (Body)	2400MHz	22.0	εr	52.77	52.71	-0.19%	± 5	2017/04/10
			σ	1.902	1.919	1.05%	± 5	
	2412MHz	22.0	εr	52.75	52.68	-0.19%	± 5	
			σ	1.914	1.935	1.57%	± 5	
	2437MHz	22.0	εr	52.72	52.48	-0.38%	± 5	
			σ	1.938	1.953	0.52%	± 5	
	2450MHz	22.0	εr	52.70	52.40	-0.57%	± 5	
			σ	1.950	1.964	0.51%	± 5	
	2462MHz	22.0	εr	52.68	52.33	-0.76%	± 5	
			σ	1.967	1.981	0.51%	± 5	
	2500MHz	22.0	εr	52.64	52.42	-0.38%	± 5	
			σ	2.021	2.049	1.49%	± 5	
2600MHz (Body)	2500MHz	22.0	εr	52.64	51.26	-2.47%	± 5	2017/04/03
			σ	2.021	2.084	2.97%	± 5	
	2510MHz	22.0	εr	52.62	51.18	-2.66%	± 5	
			σ	2.035	2.096	2.94%	± 5	
	2535MHz	22.0	εr	52.59	51.10	-2.85%	± 5	
			σ	2.071	2.134	2.90%	± 5	
	2550MHz	22.0	εr	52.57	51.13	-2.85%	± 5	
			σ	2.092	2.152	2.87%	± 5	
	2560MHz	22.0	εr	52.56	51.09	-2.85%	± 5	
			σ	2.106	2.166	2.84%	± 5	
	2600MHz	22.0	εr	52.51	50.75	-3.43%	± 5	
			σ	2.163	2.193	1.39%	± 5	

Table 6. Measured Tissue dielectric parameters for body phantoms -4

Liquid Verify								
Ambient Temperature： 22 ± 2 °C；Relative Humidity：40 -70%								
Liquid Type	Frequency	Temp (°C)	Parameters	Target Value	Measured Value	Deviation (%)	Limit (%)	Measured Date
2600MHz (Body)	2500MHz	22.0	εr	52.64	51.26	-2.47%	± 5	2017/04/05
			σ	2.021	2.084	2.97%	± 5	
	2535MHz	22.0	εr	52.59	51.10	-2.85%	± 5	
			σ	2.071	2.134	2.90%	± 5	
	2550MHz	22.0	εr	52.57	51.13	-2.85%	± 5	
			σ	2.092	2.152	2.87%	± 5	
	2593MHz	22.0	εr	52.52	50.82	-3.24%	± 5	
			σ	2.153	2.189	1.86%	± 5	
	2600MHz	22.0	εr	52.51	50.75	-3.43%	± 5	
			σ	2.163	2.193	1.39%	± 5	
2600MHz (Body)	2500MHz	22.0	εr	52.64	51.75	-1.52%	± 5	2017/04/07
			σ	2.021	1.982	-1.98%	± 5	
	2550MHz	22.0	εr	52.57	51.75	-1.52%	± 5	
			σ	2.092	2.064	-1.44%	± 5	
	2600MHz	22.0	εr	52.51	51.45	-1.91%	± 5	
			σ	2.163	2.116	-1.85%	± 5	
	2680MHz	22.0	εr	52.41	51.36	-1.91%	± 5	
			σ	2.276	2.226	-2.19%	± 5	

Table 7. Measured Tissue dielectric parameters for body phantoms -5

7.3 Verification Summary

Prior to the assessment, the system validation kit was used to test whether the system was operating within its specifications of ± 7%. The verification was performed at 750, 835, 1750, 1900, 2450 and 2600MHz.

Mixture Type	Frequency (MHz)	Power	SAR_{1g} (W/Kg)	SAR_{10g} (W/Kg)	Drift (dB)	Difference percentage		Probe	Dipole	1W Target		Date
						1g	10g	Model / Serial No.	Model / Serial No.	SAR_{1g} (mW/g)	SAR_{10g} (mW/g)	
Body	750	250 mW	2.19	1.46	-0.06	-1.5%	-2.8%	EX3DV4-SN7350	D750V3 – SN1004	8.89	6.01	Apr. 07, 2017
		Normalize to 1 Watt	8.76	5.84								
Body	835	250 mW	2.37	1.58	-0.08	-1.8%	-1.9%	EX3DV4-SN7350	D835V2 – SN4d082	9.65	6.44	Apr. 01, 2017
		Normalize to 1 Watt	9.48	6.32								
Body	1750	250 mW	9.33	4.93	-0.03	-0.7%	-3.3%	EX3DV4-SN7350	D1750V2 – SN1023	37.60	20.40	Mar. 29, 2017
		Normalize to 1 Watt	37.32	19.72								
Body	1750	250 mW	9.33	4.89	-0.1	-0.7%	-4.1%	EX3DV4-SN7350	D1750V2 – SN1023	37.60	20.40	Mar. 30, 2017
		Normalize to 1 Watt	37.32	19.56								
Body	1750	250 mW	9.84	5.11	-0.1	4.7%	0.2%	EX3DV4-SN7350	D1750V2 – SN1023	37.60	20.40	Apr. 03, 2017
		Normalize to 1 Watt	39.36	20.44								
Body	1900	250 mW	10.3	5.27	-0.14	2.2%	-1.5%	EX3DV4-SN7350	D1900V2 – SN5d111	40.30	21.40	Mar. 30, 2017
		Normalize to 1 Watt	41.20	21.08								
Body	1900	250 mW	10.2	5.21	0.04	1.2%	-2.6%	EX3DV4-SN7350	D1900V2 – SN5d111	40.30	21.40	Mar. 31, 2017
		Normalize to 1 Watt	40.80	20.84								
Body	2450	250 mW	13	6.26	-0.17	1.2%	4.8%	EX3DV4-SN7350	D2450V2 – SN869	51.40	23.90	Apr. 10, 2017
		Normalize to 1 Watt	52.00	25.04								
Body	2600	250 mW	14.1	6.09	-0.04	1.6%	-1.0%	EX3DV4-SN7350	D2600V2 – SN1007	55.50	24.06	Apr. 03, 2017
		Normalize to 1 Watt	56.40	24.36								
Body	2600	250 mW	14.1	6.28	-0.12	1.6%	2.1%	EX3DV4-SN7350	D2600V2 – SN1007	55.50	24.06	Apr. 05, 2017
		Normalize to 1 Watt	56.40	25.12								
Body	2600	250 mW	13.6	5.98	-0.13	-2.0%	-2.8%	EX3DV4-SN7350	D2600V2 – SN1007	55.50	24.06	Apr. 07, 2017
		Normalize to 1 Watt	54.40	23.92								

7.4 Validation Summary

Per FCC KDB 865664 D02 v01r02, SAR system validation status should be documented to confirm measurement accuracy. The SAR systems (including SAR probes, system components and software versions) used for this device were validated against its performance specifications prior to the SAR measurements. Reference dipoles were used with the required tissue- equivalent media for system validation, according to the procedures outlined in IEEE 1528-2013 and FCC KDB 865664 D01v01r04. Since SAR probe calibrations are frequency dependent, each probe calibration point was validated at a frequency within the valid frequency range of the probe calibration point, using the system that normally operates with the probe for routine SAR measurements and according to the required tissue-equivalent media.

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

Probe Type Model / Serial No.	Prob Cal. Point (MHz)	Head / Body	Cond.	Perm.	CW Validation			Mod. Validation			Date
			εr	σ	Sensitivity	Probe Linearity	Probe Isotropy	Mod. Type	Duty Factor	PAR	
EX3DV4-SN7350	698MHz	Body	54.94	0.944	Pass	Pass	Pass	QPSK	Pass	N/A	Apr. 07, 2017
EX3DV4-SN7350	709MHz	Body	54.57	0.955	Pass	Pass	Pass	QPSK	Pass	N/A	Apr. 07, 2017
EX3DV4-SN7350	710MHz	Body	54.55	0.956	Pass	Pass	Pass	QPSK	Pass	N/A	Apr. 07, 2017
EX3DV4-SN7350	711MHz	Body	54.52	0.958	Pass	Pass	Pass	QPSK	Pass	N/A	Apr. 07, 2017
EX3DV4-SN7350	730MHz	Body	54.27	0.985	Pass	Pass	Pass	QPSK	Pass	N/A	Apr. 07, 2017
EX3DV4-SN7350	750MHz	Body	54.58	0.998	Pass	Pass	Pass	QPSK	Pass	N/A	Apr. 07, 2017
EX3DV4-SN7350	820MHz	Body	55.06	0.951	Pass	Pass	Pass	GMSK. RMC-12.2K. QPSK	Pass	N/A	Apr. 01, 2017
EX3DV4-SN7350	824MHz	Body	54.98	0.956	Pass	Pass	Pass	GMSK. RMC-12.2K. QPSK	Pass	N/A	Apr. 01, 2017
EX3DV4-SN7350	835MHz	Body	54.86	0.971	Pass	Pass	Pass	GMSK. RMC-12.2K. QPSK	Pass	N/A	Apr. 01, 2017
EX3DV4-SN7350	837MHz	Body	54.86	0.974	Pass	Pass	Pass	GMSK. RMC-12.2K. QPSK	Pass	N/A	Apr. 01, 2017
EX3DV4-SN7350	849MHz	Body	54.92	0.995	Pass	Pass	Pass	GMSK. RMC-12.2K. QPSK	Pass	N/A	Apr. 01, 2017
EX3DV4-SN7350	850MHz	Body	54.92	0.997	Pass	Pass	Pass	GMSK. RMC-12.2K. QPSK	Pass	N/A	Apr. 01, 2017
EX3DV4-SN7350	1700MHz	Body	52.53	1.489	Pass	Pass	Pass	RMC-12.2K. QPSK	Pass	N/A	Mar. 29, 2017
EX3DV4-SN7350	1712MHz	Body	52.49	1.498	Pass	Pass	Pass	RMC-12.2K. QPSK	Pass	N/A	Mar. 29, 2017
EX3DV4-SN7350	1720MHz	Body	52.46	1.504	Pass	Pass	Pass	RMC-12.2K. QPSK	Pass	N/A	Mar. 29, 2017
EX3DV4-SN7350	1733MHz	Body	52.42	1.514	Pass	Pass	Pass	RMC-12.2K. QPSK	Pass	N/A	Mar. 29, 2017
EX3DV4-SN7350	1745MHz	Body	52.39	1.524	Pass	Pass	Pass	RMC-12.2K. QPSK	Pass	N/A	Mar. 29, 2017
EX3DV4-SN7350	1750MHz	Body	52.38	1.529	Pass	Pass	Pass	RMC-12.2K. QPSK	Pass	N/A	Mar. 29, 2017
EX3DV4-SN7350	1753MHz	Body	52.38	1.533	Pass	Pass	Pass	RMC-12.2K. QPSK	Pass	N/A	Mar. 29, 2017
EX3DV4-SN7350	1760MHz	Body	52.37	1.540	Pass	Pass	Pass	RMC-12.2K. QPSK	Pass	N/A	Mar. 29, 2017
EX3DV4-SN7350	1700MHz	Body	52.53	1.489	Pass	Pass	Pass	RMC-12.2K. QPSK	Pass	N/A	Mar. 30, 2017
EX3DV4-SN7350	1712MHz	Body	52.49	1.498	Pass	Pass	Pass	RMC-12.2K. QPSK	Pass	N/A	Mar. 30, 2017
EX3DV4-SN7350	1720MHz	Body	52.46	1.504	Pass	Pass	Pass	RMC-12.2K. QPSK	Pass	N/A	Mar. 30, 2017
EX3DV4-SN7350	1733MHz	Body	52.42	1.514	Pass	Pass	Pass	RMC-12.2K. QPSK	Pass	N/A	Mar. 30, 2017
EX3DV4-SN7350	1745MHz	Body	52.39	1.524	Pass	Pass	Pass	RMC-12.2K. QPSK	Pass	N/A	Mar. 30, 2017

Probe Type Model / Serial No.	Prob Cal. Point (MHz)	Head / Body	Cond.	Perm.	CW Validation			Mod. Validation			Date
			εr	σ	Sensitivity	Probe Linearity	Probe Isotropy	Mod. Type	Duty Factor	PAR	
EX3DV4-SN7350	1750MHz	Body	52.38	1.529	Pass	Pass	Pass	RMC-12.2K. QPSK	Pass	N/A	Mar. 30, 2017
EX3DV4-SN7350	1753MHz	Body	52.38	1.533	Pass	Pass	Pass	RMC-12.2K. QPSK	Pass	N/A	Mar. 30, 2017
EX3DV4-SN7350	1760MHz	Body	52.37	1.540	Pass	Pass	Pass	RMC-12.2K. QPSK	Pass	N/A	Mar. 30, 2017
EX3DV4-SN7350	1700MHz	Body	52.53	1.489	Pass	Pass	Pass	RMC-12.2K	Pass	N/A	Apr. 03, 2017
EX3DV4-SN7350	1750MHz	Body	52.38	1.529	Pass	Pass	Pass	RMC-12.2K	Pass	N/A	Apr. 03, 2017
EX3DV4-SN7350	1753MHz	Body	52.38	1.533	Pass	Pass	Pass	RMC-12.2K	Pass	N/A	Apr. 03, 2017
EX3DV4-SN7350	1760MHz	Body	52.37	1.540	Pass	Pass	Pass	RMC-12.2K	Pass	N/A	Apr. 03, 2017
EX3DV4-SN7350	1850MHz	Body	52.19	1.527	Pass	Pass	Pass	GMSK.RMC-12.2K	Pass	N/A	Mar. 30, 2017
EX3DV4-SN7350	1852MHz	Body	52.18	1.530	Pass	Pass	Pass	GMSK.RMC-12.2K	Pass	N/A	Mar. 30, 2017
EX3DV4-SN7350	1880MHz	Body	52.22	1.564	Pass	Pass	Pass	GMSK.RMC-12.2K	Pass	N/A	Mar. 30, 2017
EX3DV4-SN7350	1900MHz	Body	52.15	1.583	Pass	Pass	Pass	GMSK.RMC-12.2K	Pass	N/A	Mar. 30, 2017
EX3DV4-SN7350	1908MHz	Body	52.07	1.588	Pass	Pass	Pass	GMSK.RMC-12.2K	Pass	N/A	Mar. 30, 2017
EX3DV4-SN7350	1910MHz	Body	52.02	1.589	Pass	Pass	Pass	GMSK.RMC-12.2K	Pass	N/A	Mar. 30, 2017
EX3DV4-SN7350	1850MHz	Body	52.19	1.527	Pass	Pass	Pass	GMSK. RMC-12.2K. QPSK	Pass	N/A	Mar. 31, 2017
EX3DV4-SN7350	1860MHz	Body	52.18	1.541	Pass	Pass	Pass	GMSK. RMC-12.2K. QPSK	Pass	N/A	Mar. 31, 2017
EX3DV4-SN7350	1880MHz	Body	52.22	1.564	Pass	Pass	Pass	GMSK. RMC-12.2K. QPSK	Pass	N/A	Mar. 31, 2017
EX3DV4-SN7350	1900MHz	Body	52.15	1.583	Pass	Pass	Pass	GMSK. RMC-12.2K. QPSK	Pass	N/A	Mar. 31, 2017
EX3DV4-SN7350	1910MHz	Body	52.02	1.589	Pass	Pass	Pass	GMSK. RMC-12.2K. QPSK	Pass	N/A	Mar. 31, 2017
EX3DV4-SN7350	2400MHz	Body	52.71	1.919	Pass	Pass	Pass	DSSS	N/A	Pass	Apr. 10, 2017
EX3DV4-SN7350	2412MHz	Body	52.68	1.935	Pass	Pass	Pass	DSSS	N/A	Pass	Apr. 10, 2017
EX3DV4-SN7350	2437MHz	Body	52.48	1.953	Pass	Pass	Pass	DSSS	N/A	Pass	Apr. 10, 2017
EX3DV4-SN7350	2450MHz	Body	52.40	1.964	Pass	Pass	Pass	DSSS	N/A	Pass	Apr. 10, 2017
EX3DV4-SN7350	2462MHz	Body	52.33	1.981	Pass	Pass	Pass	DSSS	N/A	Pass	Apr. 10, 2017
EX3DV4-SN7350	2500MHz	Body	52.42	2.049	Pass	Pass	Pass	DSSS	N/A	Pass	Apr. 10, 2017
EX3DV4-SN7350	2500MHz	Body	51.26	2.084	Pass	Pass	Pass	DSSS	N/A	Pass	Apr. 03, 2017

Probe Type Model / Serial No.	Prob Cal. Point (MHz)	Head / Body	Cond.	Perm.	CW Validation			Mod. Validation			Date
			εr	σ	Sensitivity	Probe Linearity	Probe Isotropy	Mod. Type	Duty Factor	PAR	
EX3DV4-SN7350	2510MHz	Body	51.18	2.096	Pass	Pass	Pass	QPSK	N/A	Pass	Apr. 03, 2017
EX3DV4-SN7350	2535MHz	Body	51.10	2.134	Pass	Pass	Pass	QPSK	N/A	Pass	Apr. 03, 2017
EX3DV4-SN7350	2550MHz	Body	51.13	2.152	Pass	Pass	Pass	QPSK	Pass	N/A	Apr. 03, 2017
EX3DV4-SN7350	2560MHz	Body	51.09	2.166	Pass	Pass	Pass	QPSK	Pass	N/A	Apr. 03, 2017
EX3DV4-SN7350	2600MHz	Body	50.75	2.193	Pass	Pass	Pass	QPSK	Pass	N/A	Apr. 03, 2017
EX3DV4-SN7350	2500MHz	Body	51.26	2.084	Pass	Pass	Pass	QPSK	Pass	N/A	Apr. 05, 2017
EX3DV4-SN7350	2535MHz	Body	51.10	2.134	Pass	Pass	Pass	QPSK	Pass	N/A	Apr. 05, 2017
EX3DV4-SN7350	2550MHz	Body	51.13	2.152	Pass	Pass	Pass	QPSK	Pass	N/A	Apr. 05, 2017
EX3DV4-SN7350	2593MHz	Body	50.82	2.189	Pass	Pass	Pass	QPSK	Pass	N/A	Apr. 05, 2017
EX3DV4-SN7350	2600MHz	Body	50.75	2.193	Pass	Pass	Pass	QPSK	Pass	N/A	Apr. 05, 2017
EX3DV4-SN7350	2500MHz	Body	51.75	1.982	Pass	Pass	Pass	QPSK	Pass	N/A	Apr. 07, 2017
EX3DV4-SN7350	2550MHz	Body	51.75	2.064	Pass	Pass	Pass	QPSK	Pass	N/A	Apr. 07, 2017
EX3DV4-SN7350	2600MHz	Body	51.45	2.116	Pass	Pass	Pass	QPSK	Pass	N/A	Apr. 07, 2017
EX3DV4-SN7350	2680MHz	Body	51.36	2.226	Pass	Pass	Pass	QPSK	Pass	N/A	Apr. 07, 2017

8. Test Equipment List

Manufacturer	Name of Equipment	Type/Model	Serial Number	Calibration	
				Last Cal.	Due Date
SPEAG	750MHz System Validation Kit	D750V3	1004	08/23/2016	08/23/2017
SPEAG	900MHz System Validation Kit	D835V2	4d082	08/23/2016	08/23/2017
SPEAG	1800MHz System Validation Kit	D1750V2	1023	06/23/2016	06/23/2017
SPEAG	1950MHz System Validation Kit	D1900V2	5d111	08/25/2016	08/25/2017
SPEAG	2600MHz System Validation Kit	D2450V2	869	06/21/2016	06/21/2017
SPEAG	2600MHz System Validation Kit	D2600V2	1007	10/25/2016	10/25/2017
SPEAG	Dosimetric E-Field Probe	EX3DV4	7350	12/20/2016	12/20/2017
SPEAG	Data Acquisition Electronics	DAE4	541	02/13/2017	02/13/2018
SPEAG	Measurement Server	SE UMS 011 AA	1025	NCR	
SPEAG	Device Holder	N/A	N/A	NCR	
SPEAG	Phantom	ELI v4.0	TP-1036	NCR	
SPEAG	Robot	Staubli TX90XL	F07/564ZA1/A/01	NCR	
SPEAG	Software	DASY52 V52.8(8)	N/A	NCR	
SPEAG	Software	SEMCAD X V14.6.10(7331)	N/A	NCR	
R&S	Wireless Communication Test Set	CMU200	109369	12/01/2016	12/01/2017
Anritsu	Radio Communication Analyzer	MT8820C	6201060962	12/05/2016	12/05/2017
Agilent	Dielectric Probe Kit	85070C	US99360094	NCR	
HILA	Digital Thermometer	TM-906	GF-006	NCR	
Agilent	Power Sensor	8481H	3318A20779	06/06/2016	06/06/2017
Agilent	Power Meter	EDM Series E4418B	GB40206143	06/06/2016	06/06/2017
Agilent	Signal Generator	N5182B	MY53050382	05/19/2016	05/19/2017
Agilent	Dual Directional Coupler	778D	50334	NCR	
Woken	Dual Directional Coupler	0100AZ20200801O	11012409517	NCR	
Mini-Circuits	Power Amplifier	ZHL-42W-SMA	D111103#5	NCR	
Mini-Circuits	Power Amplifier	ZVE-8G-SMA	D042005 671800514	NCR	
Aisi	Attenuator	IEAT 3dB	N/A	NCR	

Table 8. Test Equipment List

9. Measurement Uncertainty

Measurement uncertainties in SAR measurements are difficult to quantify due to several variables including biological, physiological, and environmental. However, we estimate the measurement uncertainties in SAR_{1g} to be less than ±21.76 % for 300MHz ~3GHz and 3GHz ~ 6GHz ±25.68 %〔8〕.

According to Std. C95.3〔9〕, the overall uncertainties are difficult to assess and will vary with the type of meter and usage situation. However, accuracy's of ±1 to 3 dB can be expected in practice, with greater uncertainties in near-field situations and at higher frequencies (shorter wavelengths), or areas where large reflecting objects are present. Under optimum measurement conditions, SAR measurement uncertainties of at least ±2dB can be expected.

Uncertainty of a Measure SAR of EUT with DASY System

Item	Uncertainty Component	Uncertainty Value	Prob. Dist	Div.	c_i (1g)	c_i (10g)	Std. Unc. （1-g）	Std. Unc. （10-g）	v_i or V_{eff}
Measurement System									
u1	Probe Calibration (k=1)	±6.0%	Normal	1	1	1	±6.0%	±6.0%	∞
u2	Axial Isotropy	±4.7%	Rectangular	$\sqrt{3}$	0.7	0.7	±1.9%	±1.9%	∞
u3	Hemispherical Isotropy	±9.6%	Rectangular	$\sqrt{3}$	0.7	0.7	±3.9%	±3.9%	
u4	Boundary Effect	±1.0%	Rectangular	$\sqrt{3}$	1	1	±0.6%	±0.6%	∞
u5	Linearity	±4.7%	Rectangular	$\sqrt{3}$	1	1	±2.7%	±2.7%	∞
u6	System Detection Limit	±1.0%	Rectangular	$\sqrt{3}$	1	1	±0.6%	±0.6%	∞
u7	Readout Electronics	±0.3%	Normal	1	1	1	±0.3%	±0.3%	∞
u8	Response Time	±0.8%	Rectangular	$\sqrt{3}$	1	1	±0.5%	±0.5%	∞
u9	Integration Time	±1.9%	Rectangular	$\sqrt{3}$	1	1	±1.1%	±1.1%	∞
u10	RF Ambient Conditions	±3.0%	Rectangular	$\sqrt{3}$	1	1	±1.7%	±1.7%	∞
u11	RF Ambient Reflections	±3.0%	Rectangular	$\sqrt{3}$	1	1	±1.7%	±1.7%	∞
u12	Probe Positioner Mechanical Tolerance	±0.4%	Rectangular	$\sqrt{3}$	1	1	±0.2%	±0.2%	∞
u13	Probe Positioning with respect to Phantom Shell	±2.9%	Rectangular	$\sqrt{3}$	1	1	±1.7%	±1.7%	∞
u14	Extrapolation, interpolation and integration Algorithms for Max. SAR Evaluation	±1.0%	Rectangular	$\sqrt{3}$	1	1	±0.6%	±0.6%	∞
Test sample Related									
u15	Test sample Positioning	±3.6%	Normal	1	1	1	±3.6%	±3.6%	89
u16	Device Holder Uncertainty	±2.7%	Normal	1	1	1	±2.7%	±2.7%	5
u17	Output Power Variation - SAR drift measurement	±5.0%	Rectangular	$\sqrt{3}$	1	1	±2.9%	±2.9%	∞
Phantom and Tissue Parameters									
u18	Phantom Uncertainty (shape and thickness tolerances)	±4.0%	Rectangular	$\sqrt{3}$	1	1	±2.3%	±2.3%	∞
u19	Liquid Conductivity - deviation from target values	±5.0%	Rectangular	$\sqrt{3}$	0.64	0.43	±1.8%	±1.2%	∞
u20	Liquid Conductivity - measurement uncertainty	±2.5%	Normal	1	0.64	0.43	±1.6%	±1.08%	69
u21	Liquid Permittivity - deviation from target values	±5.0%	Rectangular	$\sqrt{3}$	0.6	0.49	±1.7%	±1.4%	∞
u22	Liquid Permittivity - measurement uncertainty	±2.5%	Normal	1	0.6	0.49	±1.5%	±1.23%	69
Combined standard uncertainty			RSS				±10.88%	±10.66%	313
Expanded uncertainty (95% CONFIDENCE LEVEL)			k=2				±21.76%	±21.31%	

Table 9. Uncertainty Budget for frequency range 300MHz to 3GHz

Uncertainty of a Measure SAR of EUT with DASY System

Item	Uncertainty Component	Uncertainty Value	Prob. Dist	Div.	c_i (1g)	c_i (10g)	Std. Unc. （1-g）	Std. Unc. （10-g）	v_i or V_{eff}
Measurement System									
u1	Probe Calibration (k=1)	±6.5%	Normal	1	1	1	±6.5%	±6.5%	∞
u2	Axial Isotropy	±4.7%	Rectangular	$\sqrt{3}$	0.7	0.7	±1.9%	±1.9%	∞
u3	Hemispherical Isotropy	±9.6%	Rectangular	$\sqrt{3}$	0.7	0.7	±3.9%	±3.9%	
u4	Boundary Effect	±2.0%	Rectangular	$\sqrt{3}$	1	1	±1.2%	±1.2%	∞
u5	Linearity	±4.7%	Rectangular	$\sqrt{3}$	1	1	±2.7%	±2.7%	∞
u6	System Detection Limit	±1.0%	Rectangular	$\sqrt{3}$	1	1	±0.6%	±0.6%	∞
u7	Readout Electronics	±0.0%	Normal	1	1	1	±0.0%	±0.0%	∞
u8	Response Time	±0.8%	Rectangular	$\sqrt{3}$	1	1	±0.5%	±0.5%	∞
u9	Integration Time	±2.8%	Rectangular	$\sqrt{3}$	1	1	±2.8%	±2.8%	∞
u10	RF Ambient Conditions	±3.0%	Rectangular	$\sqrt{3}$	1	1	±1.7%	±1.7%	∞
u11	RF Ambient Reflections	±3.0%	Rectangular	$\sqrt{3}$	1	1	±1.7%	±1.7%	∞
u12	Probe Positioner Mechanical Tolerance	±0.7%	Rectangular	$\sqrt{3}$	1	1	±0.7%	±0.7%	∞
u13	Probe Positioning with respect to Phantom Shell	±9.9%	Rectangular	$\sqrt{3}$	1	1	±5.7%	±5.7%	∞
u14	Extrapolation, interpolation and integration Algorithms for Max. SAR Evaluation	±3.0%	Rectangular	$\sqrt{3}$	1	1	±1.7%	±1.7%	∞
Test sample Related									
u15	Test sample Positioning	±3.6%	Normal	1	1	1	±3.6%	±3.6%	89
u16	Device Holder Uncertainty	±2.7%	Normal	1	1	1	±2.7%	±2.7%	5
u17	Output Power Variation - SAR drift measurement	±5.0%	Rectangular	$\sqrt{3}$	1	1	±2.9%	±2.9%	∞
Phantom and Tissue Parameters									
u18	Phantom Uncertainty (shape and thickness tolerances)	±4.0%	Rectangular	$\sqrt{3}$	1	1	±2.3%	±2.3%	∞
u19	Liquid Conductivity - deviation from target values	±5.0%	Rectangular	$\sqrt{3}$	0.64	0.43	±1.8%	±1.2%	∞
u20	Liquid Conductivity - measurement uncertainty	±2.5%	Normal	1	0.64	0.43	±1.6%	±1.08%	69
u21	Liquid Permittivity - deviation from target values	±5.0%	Rectangular	$\sqrt{3}$	0.6	0.49	±1.7%	±1.4%	∞
u22	Liquid Permittivity - measurement uncertainty	±2.5%	Normal	1	0.6	0.49	±1.5%	±1.23%	69
Combined standard uncertainty			RSS				±12.84%	±12.65%	313
Expanded uncertainty (95% CONFIDENCE LEVEL)			k=2				±25.68%	±25.29%	

Table 10.　ncertainty Budget for frequency range 3GHz to 6GHz

10. Measurement Procedure

The measurement procedures are as follows:

1. For WLAN function, engineering testing software installed on Notebook can provide continuous transmitting signal.
2. Measure output power through RF cable and power meter
3. Set scan area, grid size and other setting on the DASY software
4. Find out the largest SAR result on these testing positions of each band
5. Measure SAR results for other channels in worst SAR testing position if the SAR of highest power channel is larger than 0.8 W/kg

According to the test standard, the recommended procedure for assessing the peak spatial-average SAR value consists of the following steps:

1. Power reference measurement
2. Area scan
3. Zoom scan
4. Power drift measurement

10.1 Spatial Peak SAR Evaluation

The procedure for spatial peak SAR evaluation has been implemented according to the test standard. It can be conducted for 1g and 10g, as well as for user-specific masses. The DASY software includes all numerical procedures necessary to evaluate the spatial peak SAR value.
The base for the evaluation is a "cube" measurement. The measured volume must include the 1g and 10g cubes with the highest averaged SAR values. For that purpose, the center of the measured volume is aligned to the interpolated peak SAR value of a previously performed area scan.
The entire evaluation of the spatial peak values is performed within the post-processing engine (SEMCAD). The system always gives the maximum values for the 1g and 10g cubes. The algorithm to find the cube with highest averaged SAR is divided into the following stages

1. Extraction of the measured data (grid and values) from the Zoom Scan
2. Calculation of the SAR value at every measurement point based on all stored data (A/D values and measurement parameters)
3. Generation of a high-resolution mesh within the measured volume
4. Interpolation of all measured values form the measurement grid to the high-resolution grid
5. Extrapolation of the entire 3-D field distribution to the phantom surface over the distance from sensor to surface
6. Calculation of the averaged SAR within masses of 1g and 10g

10.2 Area & Zoom Scan Procedures

First Area Scan is used to locate the approximate location(s) of the local peak SAR value(s). The measurement grid within an Area Scan is defined by the grid extent, grid step size and grid offset. Next, in order to determine the EM field distribution in a three-dimensional spatial extension, Zoom Scan is required. The Zoom Scan measures points and step size follow as below. The Zoom Scan is performed around the highest E-field value to determine the averaged SAR-distribution over 10 g.

Grid Type	Frequency		Step size (mm)			X*Y*Z (Point)	Cube size			Step size		
			X	Y	Z		X	Y	Z	X	Y	Z
uniform grid	≦ 3GHz	≦2GHz	≤ 8	≤ 8	≤ 5	5*5*7	32	32	30	8	8	5
		2G - 3G	≤ 5	≤ 5	≤ 5	7*7*7	30	30	30	5	5	5
	3 - 6GHz	3 - 4GHz	≤ 5	≤ 5	≤ 4	7*7*8	30	30	28	5	5	4
		4 - 5GHz	≤ 4	≤ 4	≤ 3	8*8*10	28	28	27	4	4	3
		5 - 6GHz	≤ 4	≤ 4	≤ 2	8*8*12	28	28	22	4	4	2

(Our measure settings are refer KDB Publication 865664 D01v01r04)

10.3 Volume Scan Procedures

The volume scan is used for assess overlapping SAR distributions for antennas transmitting in different frequency bands. It is equivalent to an oversized zoom scan used in standalone measurements. The measurement volume will be used to enclose all the simultaneous transmitting antennas. For antennas transmitting simultaneously in different frequency bands, the volume scan is measured separately in each frequency band. In order to sum correctly to compute the 1g aggregate SAR, the DUT remain in the same test position for all measurements and all volume scan use the same spatial resolution and grid spacing. When all volume scan were completed, the software, SEMCAD postprocessor can combine and subsequently superpose these measurement data to calculating the multiband SAR.

10.4 SAR Averaged Methods

In DASY, the interpolation and extrapolation are both based on the modified Quadratic Shepard's method. The interpolation scheme combines a least-square fitted function method and a weighted average method which are the two basic types of computational interpolation and approximation. Extrapolation routines are used to obtain SAR values between the lowest measurement points and the inner phantom surface. The extrapolation distance is determined by the surface detection distance and the probe sensor offset. The uncertainty increases with the extrapolation distance. To keep the uncertainty within 1% for the 1 g and 10 g cubes, the extrapolation distance should not be larger than 5 mm.

10.5 Power Drift Monitoring

All SAR testing is under the DUT install full charged battery and transmit maximum output power. In DASY measurement software, the power reference measurement and power drift measurement procedures are used for monitoring the power drift of DUT during SAR test. Both these procedures measure the field at a specified reference position before and after the SAR testing. The software will calculate the field difference in dB. If the power drift more than 5%, the SAR will be retested.

11. SAR Test Results Summary

1. Based on the IEEE1528 and IEC 62209 requirements, the low, mid and high frequency channels for the configuration with the highest SAR value must be tested regardless of the SAR value measured.
2. When the WWAN band channel's reported SAR1g of the position is > 0.8 W/kg, low, middle and high channel are supposed to be tested.(2G/3G/LTE).
3. Require the middle channel to be tested first , if the maximum output power variation across the required test channels is > ½ dB, instead of the middle channel, the highest output power channel must be used.
4. When the overall length and width of a device is > 9 cm x 5 cm (~3.5” x 2”), a test separation distance of 10 mm is required for hotspot mode SAR measurements.
5. Start with 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.
6. When the reported SAR is ≤ 0.8 W/kg, testing of the remaining RB offset configurations and required test channels is not required for 1 RB allocation; otherwise, SAR is required for the remaining required test channels and only for the RB offset configuration with the highest output power for that channel.
7. When the highest reported SAR for 1 RB and 50% RB allocation are > 0.8 W/kg,SAR is measured for the highest output power channel in 100%RB.
8. The procedures required for 1 RB allocation are applied to measure the SAR for QPSK with 50% RB allocation.
9. When the maximum output power and tune-up tolerance specified for production units in a secondary mode is ≤ ¼ dB higher than the primary mode or when the highest reported SAR of the primary mode is scaled by the ratio of specified maximum output power and tune-up tolerance of secondary to primary mode and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for the secondary mode.
10. The 3G SAR test reduction procedure is applied to HSPA (HSUPA/HSDPA with RMC) configurations with 12.2 kbps RMC as the primary mode.
11. The data mode with highest specified time-averaged output power should be tested for SAR compliance in the applicable exposure conditions.
12. The 3G SAR test reduction procedure is applied to 8-PSK EDGE with GMSK GPRS/EDGE as the primary mode.
13. When the reported SAR of the highest measured maximum output power channel is ≤ 0.8 W/kg, no further SAR testing is required for 802.11b DSSS.
14. When KDB Publication 447498 SAR test exclusion is applies , SAR is not required for 2.4G OFDM configuration.
15. When the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg , SAR is not required for 2.4G OFDM configuration.

11.1 Head SAR Measurement

Evaluated head SAR is not available.

11.2 Body SAR Measurement

Index.	Position	Band	Ch.	Test Mode	Test Position	Spacing (mm)	SAR 1g (W/kg)	Power Drift	Burst Avg Power	Max tune-up	Reported SAR 1g (W/kg)
#87	Flat	GPRS 850	190	4D2U	Side1	10	0.316	0.18	30.46	30.7	0.33
#93	Flat	GPRS 850	128	4D2U	Side2	10	0.412	0.06	30.37	30.7	0.45
#94	Flat	GPRS 850	190	4D2U	Side2	10	0.383	-0.04	30.46	30.7	0.41
#88	Flat	GPRS 850	251	4D2U	Side2	10	0.382	-0.14	30.65	30.7	0.39
#89	Flat	GPRS 850	190	4D2U	Side3	10	0.112	0.09	30.46	30.7	0.12
#90	Flat	GPRS 850	190	4D2U	Side4	10	0.348	0.08	30.46	30.7	0.37
#91	Flat	GPRS 850	190	4D2U	Side5	10	0.01	0.13	30.46	30.7	0.01
#92	Flat	GPRS 850	190	4D2U	Side6	10	0.056	0.07	30.46	30.7	0.06
#24	Flat	GPRS 1900	661	4D2U	Side1	10	0.389	0	27.84	28	0.40
#30	Flat	GPRS 1900	512	4D2U	Side2	10	0.508	0.1	27.96	28	0.51
#25	Flat	GPRS 1900	661	4D2U	Side2	10	0.52	0.06	27.84	28	0.54
#31	Flat	GPRS 1900	810	4D2U	Side2	10	0.579	0.09	27.71	28	0.62
#26	Flat	GPRS 1900	661	4D2U	Side3	10	0.08	0.07	27.84	28	0.08
#27	Flat	GPRS 1900	661	4D2U	Side4	10	0.446	0.01	27.84	28	0.46
#28	Flat	GPRS 1900	661	4D2U	Side5	10	0.027	-0.19	27.84	28	0.03
#29	Flat	GPRS 1900	661	4D2U	Side6	10	0.198	0.19	27.84	28	0.21

Index.	Position	Band	Ch.	Data Rate or Sub-Test	Test Position	Spacing (mm)	Remark	SAR 1g (W/kg)	Power Drift	Burst Avg Power	Max tune-up	Reported SAR 1g\ (W/kg)
#32	Flat	WCDMA Band II	9400	RMC12.2K	Side1	10	Ant-0	0.715	-0.12	22.66	23	0.77
#35	Flat	WCDMA Band II	9262	RMC12.2K	Side2	10	Ant-0	1	0.04	22.83	23	1.04
#33	Flat	WCDMA Band II	9400	RMC12.2K	Side2	10	Ant-0	0.91	0.11	22.66	23	0.98
#36	Flat	WCDMA Band II	9538	RMC12.2K	Side2	10	Ant-0	1.01	0.17	22.91	23	1.03
#37	Flat	WCDMA Band II	9400	RMC12.2K	Side3	10	Ant-0	0.165	-0.08	22.66	23	0.18
#41	Flat	WCDMA Band II	9262	RMC12.2K	Side4	10	Ant-0	0.849	-0.19	22.83	23	0.88
#38	Flat	WCDMA Band II	9400	RMC12.2K	Side4	10	Ant-0	0.84	0.13	22.66	23	0.91
#42	Flat	WCDMA Band II	9538	RMC12.2K	Side4	10	Ant-0	0.861	0.06	22.91	23	0.88
#40	Flat	WCDMA Band II	9400	RMC12.2K	Side6	10	Ant-0	0.384	-0.09	22.66	23	0.42
#17	Flat	WCDMA Band IV	1413	RMC12.2K	Side1	10	Ant-0	0.437	-0.14	22.71	22.8	0.45
#113	Flat	WCDMA Band IV	1312	RMC12.2K	Side2	10	Ant-0	1.34	0.07	22.49	22.8	1.44
#18	Flat	WCDMA Band IV	1413	RMC12.2K	Side2	10	Ant-0	1.01	0.06	22.71	22.8	1.03
#114	Flat	WCDMA Band IV	1513	RMC12.2K	Side2	10	Ant-0	1.38	-0.01	22.63	22.8	1.44
#20	Flat	WCDMA Band IV	1413	RMC12.2K	Side3	10	Ant-0	0.134	0	22.71	22.8	0.14
#21	Flat	WCDMA Band IV	1413	RMC12.2K	Side4	10	Ant-0	0.471	-0.02	22.71	22.8	0.48
#23	Flat	WCDMA Band IV	1413	RMC12.2K	Side6	10	Ant-0	0.54	-0.1	22.71	22.8	0.55
#95	Flat	WCDMA Band V	4183	RMC12.2K	Side1	10	Ant-0	0.676	-0.06	22.86	23	0.70
#101	Flat	WCDMA Band V	4132	RMC12.2K	Side2	10	Ant-0	0.912	-0.02	22.91	23	0.93
#102	Flat	WCDMA Band V	4183	RMC12.2K	Side2	10	Ant-0	0.805	-0.04	22.86	23	0.83
#96	Flat	WCDMA Band V	4233	RMC12.2K	Side2	10	Ant-0	0.775	-0.1	22.95	23	0.78
#97	Flat	WCDMA Band V	4183	RMC12.2K	Side3	10	Ant-0	0.452	-0.06	22.86	23	0.47
#98	Flat	WCDMA Band V	4183	RMC12.2K	Side4	10	Ant-0	0.491	-0.09	22.86	23	0.51
#100	Flat	WCDMA Band V	4183	RMC12.2K	Side6	10	Ant-0	0.069	0.01	22.86	23	0.07
#53	Flat	WCDMA Band II	9262	RMC12.2K	Side1	10	Ant-1	0.655	0.08	22.89	23	0.67
#43	Flat	WCDMA Band II	9400	RMC12.2K	Side1	10	Ant-1	0.81	-0.12	22.6	23	0.89
#54	Flat	WCDMA Band II	9538	RMC12.2K	Side1	10	Ant-1	0.731	-0.04	22.89	23	0.75
#49	Flat	WCDMA Band II	9262	RMC12.2K	Side2	10	Ant-1	0.735	-0.18	22.89	23	0.75
#44	Flat	WCDMA Band II	9400	RMC12.2K	Side2	10	Ant-1	0.903	-0.18	22.6	23	0.99
#50	Flat	WCDMA Band II	9538	RMC12.2K	Side2	10	Ant-1	0.88	0.19	22.89	23	0.90
#45	Flat	WCDMA Band II	9400	RMC12.2K	Side3	10	Ant-1	0.099	0.19	22.6	23	0.11
#51	Flat	WCDMA Band II	9262	RMC12.2K	Side4	10	Ant-1	0.646	0.11	22.89	23	0.66
#46	Flat	WCDMA Band II	9400	RMC12.2K	Side4	10	Ant-1	0.824	0.01	22.6	23	0.90
#52	Flat	WCDMA Band II	9538	RMC12.2K	Side4	10	Ant-1	0.793	0.01	22.89	23	0.81
#47	Flat	WCDMA Band II	9400	RMC12.2K	Side5	10	Ant-1	0.55	-0.19	22.6	23	0.60

Index.	Position	Band	Ch.	Data Rate or Sub-Test	Test Position	Spacing (mm)	Remark	SAR 1g (W/kg)	Power Drift	Burst Avg Power	Max tune-up	Reported SAR 1g\ (W/kg)
#104	Flat	WCDMA Band V	4183	RMC12.2K	Side1	10	Ant-1	0.73	0.08	22.74	23.1	0.79
#105	Flat	WCDMA Band V	4132	RMC12.2K	Side2	10	Ant-1	1.11	0.09	23.03	23.1	1.13
#110	Flat	WCDMA Band V	4183	RMC12.2K	Side2	10	Ant-1	1.07	-0.06	22.74	23.1	1.16
#111	Flat	WCDMA Band V	4233	RMC12.2K	Side2	10	Ant-1	1.17	0.14	22.95	23.1	1.21
#106	Flat	WCDMA Band V	4183	RMC12.2K	Side3	10	Ant-1	0.333	0.01	22.74	23.1	0.36
#107	Flat	WCDMA Band V	4183	RMC12.2K	Side4	10	Ant-1	0.658	-0.11	22.74	23.1	0.72
#108	Flat	WCDMA Band V	4183	RMC12.2K	Side5	10	Ant-1	0.153	-0.11	22.74	23.1	0.17

Index.	Position	Band	Ch.	BW (MHz)	RB Size	RB Offset	Test Position	Spacing (mm)	SAR 1g (W/kg)	Power Drift	Burst Avg Power	Max tune-up	Reported SAR 1g\ (W/kg)
#56	Flat	LTE Band 2(QPSK)	19100	20	1	99	Side1	10	0.741	0.08	23.27	23.3	0.75
#59	Flat	LTE Band 2(QPSK)	18700	20	1	49	Side2	10	0.727	0.01	22.58	23.3	0.86
#60	Flat	LTE Band 2(QPSK)	18900	20	1	99	Side2	10	0.707	-0.02	22.76	23.3	0.80
#58	Flat	LTE Band 2(QPSK)	19100	20	1	99	Side2	10	0.828	-0.08	23.27	23.3	0.83
#62	Flat	LTE Band 2(QPSK)	19100	20	1	99	Side3	10	0.138	0.18	23.27	23.3	0.14
#65	Flat	LTE Band 2(QPSK)	19100	20	1	99	Side4	10	0.657	0.03	23.27	23.3	0.66
#69	Flat	LTE Band 2(QPSK)	19100	20	1	99	Side6	10	0.353	-0.07	23.27	23.3	0.36
#57	Flat	LTE Band 2(QPSK)	18900	20	50	50	Side1	10	0.478	0.08	21.68	22.2	0.54
#61	Flat	LTE Band 2(QPSK)	18900	20	50	50	Side2	10	0.529	0.15	21.68	22.2	0.60
#63	Flat	LTE Band 2(QPSK)	18900	20	50	50	Side3	10	0.089	0.05	21.68	22.2	0.10
#66	Flat	LTE Band 2(QPSK)	18900	20	50	50	Side4	10	0.517	-0.13	21.68	22.2	0.58
#70	Flat	LTE Band 2(QPSK)	18900	20	50	50	Side6	10	0.237	-0.04	21.68	22.2	0.27
#64	Flat	LTE Band 2(QPSK)	19100	20	100	0	Side2	10	0.6	-0.19	21.94	22	0.61

Index.	Position	Band	Ch.	BW (MHz)	RB Size	RB Offset	Test Position	Spacing (mm)	SAR 1g (W/kg)	Power Drift	Burst Avg Power	Max tune-up	Reported SAR 1g\ (W/kg)
#1	Flat	LTE Band 4(QPSK)	20175	20	1	99	Side1	10	0.423	-0.13	23.23	23.3	0.43
#4	Flat	LTE Band 4(QPSK)	20050	20	1	49	Side2	10	0.818	0	23.21	23.3	0.84
#3	Flat	LTE Band 4(QPSK)	20175	20	1	99	Side2	10	0.863	-0.02	23.23	23.3	0.88
#5	Flat	LTE Band 4(QPSK)	20300	20	1	0	Side2	10	0.867	-0.06	23.26	23.3	0.88
#8	Flat	LTE Band 4(QPSK)	20175	20	1	99	Side3	10	0.19	0.05	23.23	23.3	0.19
#10	Flat	LTE Band 4(QPSK)	20175	20	1	99	Side4	10	0.475	-0.12	23.23	23.3	0.48
#14	Flat	LTE Band 4(QPSK)	20175	20	1	99	Side6	10	0.455	-0.05	23.23	23.3	0.46
#2	Flat	LTE Band 4(QPSK)	20175	20	50	25	Side1	10	0.322	0.05	22.26	22.4	0.33
#7	Flat	LTE Band 4(QPSK)	20175	20	50	25	Side2	10	0.701	-0.15	22.26	22.4	0.72
#9	Flat	LTE Band 4(QPSK)	20175	20	50	25	Side3	10	0.148	0.19	22.26	22.4	0.15
#11	Flat	LTE Band 4(QPSK)	20175	20	50	25	Side4	10	0.356	0.03	22.26	22.4	0.37
#15	Flat	LTE Band 4(QPSK)	20175	20	50	25	Side6	10	0.379	-0.04	22.26	22.4	0.39
#16	Flat	LTE Band 4(QPSK)	20300	20	100	0	Side2	10	0.704	0.09	22.31	22.4	0.72

Index.	Position	Band	Ch.	BW (MHz)	RB Size	RB Offset	Test Position	Spacing (mm)	SAR 1g (W/kg)	Power Drift	Burst Avg Power	Max tune-up	Reported SAR 1g\ (W/kg)
#72	Flat	LTE Band 5(QPSK)	20525	10	1	49	Side1	10	0.387	0.05	22.88	23.1	0.41
#76	Flat	LTE Band 5(QPSK)	20450	10	1	0	Side2	10	0.569	0.09	23.03	23.1	0.58
#74	Flat	LTE Band 5(QPSK)	20525	10	1	49	Side2	10	0.48	0.02	22.88	23.1	0.50
#77	Flat	LTE Band 5(QPSK)	20600	10	1	0	Side2	10	0.499	0	22.57	23.1	0.56
#78	Flat	LTE Band 5(QPSK)	20525	10	1	49	Side3	10	0.2	-0.12	22.88	23.1	0.21
#81	Flat	LTE Band 5(QPSK)	20525	10	1	49	Side4	10	0.25	0.01	22.88	23.1	0.26
#84	Flat	LTE Band 5(QPSK)	20525	10	1	49	Side6	10	0.058	0.07	22.88	23.1	0.06
#73	Flat	LTE Band 5(QPSK)	20525	10	25	0	Side1	10	0.322	-0.18	21.9	22.1	0.34
#75	Flat	LTE Band 5(QPSK)	20525	10	25	0	Side2	10	0.41	-0.13	21.9	22.1	0.43
#79	Flat	LTE Band 5(QPSK)	20525	10	25	0	Side3	10	0.169	-0.16	21.9	22.1	0.18
#80	Flat	LTE Band 5(QPSK)	20525	10	25	0	Side4	10	0.202	-0.19	21.9	22.1	0.21
#85	Flat	LTE Band 5(QPSK)	20525	10	25	0	Side6	10	0.049	-0.14	21.9	22.1	0.05

Index.	Position	Band	Ch.	BW (MHz)	RB Size	RB Offset	Test Position	Spacing (mm)	SAR 1g (W/kg)	Power Drift	Burst Avg Power	Max tune-up	Reported SAR 1g\ (W/kg)
#115	Flat	LTE Band 7(QPSK)	21100	20	1	99	Side1	10	0.429	-0.02	22.86	23	0.44
#128	Flat	LTE Band 7(QPSK)	20850	20	1	99	Side2	10	1.04	0.01	22.89	23	1.07
#116	Flat	LTE Band 7(QPSK)	21100	20	1	99	Side2	10	0.865	0	22.86	23	0.89
#129	Flat	LTE Band 7(QPSK)	21350	20	1	49	Side2	10	0.835	-0.15	22.59	23	0.92
#117	Flat	LTE Band 7(QPSK)	21100	20	1	99	Side3	10	0.07	-0.07	22.86	23	0.07
#120	Flat	LTE Band 7(QPSK)	21100	20	1	99	Side4	10	0.681	0	22.86	23	0.70
#135	Flat	LTE Band 7(QPSK)	21100	20	1	99	Side6	10	0.697	0	22.86	23	0.72
#121	Flat	LTE Band 7(QPSK)	21100	20	50	0	Side1	10	0.393	0.04	21.7	22	0.42
#130	Flat	LTE Band 7(QPSK)	20850	20	50	50	Side2	10	0.84	0.18	21.89	22	0.86
#122	Flat	LTE Band 7(QPSK)	21100	20	50	0	Side2	10	0.759	0.17	21.7	22	0.81
#131	Flat	LTE Band 7(QPSK)	21350	20	50	0	Side2	10	0.615	0.16	21.49	22	0.69
#118	Flat	LTE Band 7(QPSK)	21100	20	50	0	Side3	10	0.049	-0.04	21.7	22	0.05
#119	Flat	LTE Band 7(QPSK)	21100	20	50	0	Side4	10	0.523	-0.08	21.7	22	0.56
#137	Flat	LTE Band 7(QPSK)	21100	20	50	0	Side6	10	0.632	-0.07	21.7	22	0.68
#132	Flat	LTE Band 7(QPSK)	20850	20	100	0	Side2	10	0.858	0.08	21.74	21.8	0.87

Index.	Position	Band	Ch.	BW (MHz)	RB Size	RB Offset	Test Position	Spacing (mm)	SAR 1g (W/kg)	Power Drift	Burst Avg Power	Max tune-up	Reported SAR 1g\ (W/kg)
#153	Flat	LTE Band 17(QPSK)	23790	10	1	49	Side1	10	0.295	-0.19	22.97	23	0.30
#165	Flat	LTE Band 17(QPSK)	23780	10	1	49	Side2	10	0.307	-0.13	22.93	23	0.31
#155	Flat	LTE Band 17(QPSK)	23790	10	1	49	Side2	10	0.34	0.1	22.97	23	0.34
#166	Flat	LTE Band 17(QPSK)	23800	10	1	24	Side2	10	0.307	0.19	22.6	23	0.34
#156	Flat	LTE Band 17(QPSK)	23790	10	1	49	Side3	10	0.097	-0.18	22.97	23	0.10
#157	Flat	LTE Band 17(QPSK)	23790	10	1	49	Side4	10	0.184	-0.1	22.97	23	0.19
#159	Flat	LTE Band 17(QPSK)	23790	10	1	49	Side6	10	0.03	-0.06	22.97	23	0.03
#154	Flat	LTE Band 17(QPSK)	23790	10	25	25	Side1	10	0.213	-0.09	21.72	21.9	0.22
#160	Flat	LTE Band 17(QPSK)	23790	10	25	25	Side2	10	0.254	0.01	21.72	21.9	0.26
#161	Flat	LTE Band 17(QPSK)	23790	10	25	25	Side3	10	0.075	-0.02	21.72	21.9	0.08
#162	Flat	LTE Band 17(QPSK)	23790	10	25	25	Side4	10	0.144	0.18	21.72	21.9	0.15
#164	Flat	LTE Band 17(QPSK)	23790	10	25	25	Side6	10	0.023	0.03	21.72	21.9	0.02

Index.	Position	Band	Ch.	BW (MHz)	RB Size	RB Offset	Test Position	Spacing (mm)	SAR 1g (W/kg)	Power Drift	Burst Avg Power	Max tune-up	Reported SAR 1g\ (W/kg)
#138	Flat	LTE Band 41(QPSK)	40620	20	1	0	Side1	10	0.135	-0.14	22.84	23	0.14
#139	Flat	LTE Band 41(QPSK)	40620	20	1	0	Side2	10	0.207	0.08	22.84	23	0.21
#140	Flat	LTE Band 41(QPSK)	40620	20	1	0	Side3	10	0.021	-0.11	22.84	23	0.02
#151	Flat	LTE Band 41(QPSK)	39750	20	1	99	Side4	10	0.252	0.04	22.97	23	0.25
#141	Flat	LTE Band 41(QPSK)	40620	20	1	0	Side4	10	0.22	0.13	22.84	23	0.23
#152	Flat	LTE Band 41(QPSK)	41490	20	1	99	Side4	10	0.172	0.17	22.89	23	0.18
#143	Flat	LTE Band 41(QPSK)	40620	20	1	0	Side6	10	0.174	-0.13	22.84	23	0.18
#144	Flat	LTE Band 41(QPSK)	40620	20	50	0	Side1	10	0.1	-0.1	22.4	22.5	0.10
#145	Flat	LTE Band 41(QPSK)	40620	20	50	0	Side2	10	0.138	0.07	22.4	22.5	0.14
#146	Flat	LTE Band 41(QPSK)	40620	20	50	0	Side3	10	0.015	0.03	22.4	22.5	0.02
#147	Flat	LTE Band 41(QPSK)	40620	20	50	0	Side4	10	0.162	0.15	22.4	22.5	0.17
#149	Flat	LTE Band 41(QPSK)	40620	20	50	0	Side6	10	0.126	0.06	22.4	22.5	0.13

Index.	Position	Band	Ch.	Data Rate or Sub-Test	Test Position	Spacing (mm)	SAR 1g (W/kg)	Power Drift	Burst Avg Power	Max tune-up	Reported SAR 1g\ (W/kg)
#172	Flat	IEEE 802.11b	1	1M	Side 1	10	0.044	-0.04	11.84	12	0.05
#168	Flat	IEEE 802.11b	6	1M	Side 1	10	0.038	0.06	11.93	12	0.04
#173	Flat	IEEE 802.11b	11	1M	Side 1	10	0.049	0.18	11.29	12	0.06
#169	Flat	IEEE 802.11b	6	1M	Side 2	10	0.023	0.08	11.93	12	0.02
#170	Flat	IEEE 802.11b	6	1M	Side 3	10	0.024	-0.02	11.93	12	0.02
#171	Flat	IEEE 802.11b	6	1M	Side 6	10	0.00103	0.13	11.93	12	0.00

11.3 Hot-spot mode SAR Measurement

Evaluated Hot-spot mode SAR is not available.

11.4 Extremity SAR Measurement

Evaluated Extremity SAR is not available.

11.5 SAR Variability Measurement

SAR measurement variability must be assessed for each frequency band, which is determined by the SAR probe calibration point and tissue-equivalent medium used for the device measurements. When both head and body tissue-equivalent media are required for SAR measurements in a frequency band, the variability measurement procedures should be applied to the tissue medium with the highest measured SAR, using the highest measured SAR configuration for that tissue-equivalent medium.

The following procedures are applied to determine if repeated measurements are required.

1.The original highest measured Reported SAR 1g is ≥ 0.80 W/kg, repeat that measurement once.

2.Perform a second repeated measurement the ratio of largest to smallest SAR for the original and first repeated measurements is < 1.2,the original or repeated measurement is ≥ 1.45 W/kg (~ 10% from the 1-g SAR limit).

3.Perform a third repeated measurement only if the original, first or second repeated measurement is ≥ 1.5 W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20.

Index	Original Index	Operate Band	Ch.	Test Phantom	Spacing (mm)	Remark	Original SAR_{1g} (W/Kg)	First SAR_{1g} (W/Kg)	First Ratio	Second SAR_{1g} (W/Kg)	Second Ratio	Third SAR_{1g} (W/Kg)	Third Ratio
#34	#36	WCDMA Band II RCM12.2K	9538	Side2	10	Ant-0	1.01	0.999	1.01<1.2	---	---	---	---
#19	#114	WCDMA Band IV RCM12.2K	1513	Side2	10	Ant-0	1.38	1.37	1.01<1.2	---	---	---	---
#103	#101	WCDMA Band V RCM12.2K	4132	Side2	10	Ant-0	0.912	0.912	1<1.2	---	---	---	---
#55	#44	WCDMA Band II RCM12.2K	9400	Side2	10	Ant-1	0.903	0.828	1.09<1.2	---	---	---	---
#112	#111	WCDMA Band V RCM12.2K	4233	Side2	10	Ant-1	1.17	1.18	1.01<1.2	---	---	---	---

Index	Original Index	Operate Band	Ch.	Bandwidth	RB Size	RB Offset	Test Phantom	Spacing (mm)	Remark	Original SAR_{1g} (W/Kg)	First SAR_{1g} (W/Kg)	First Ratio	Second SAR_{1g} (W/Kg)	Second Ratio	Third SAR_{1g} (W/Kg)	Third Ratio
#71	#58	LTE Band 2 (QPSK)	19100	20MHz	1	99	Side2	10	Ant-0	1.01	0.999	1.01<1.2	---	---	---	---
#6	#5	LTE Band 4 (QPSK)	20300	20MHz	1	0	Side2	10	Ant-0	1.38	1.37	1.01<1.2	---	---	---	---
#133	#128	LTE Band 7 (QPSK)	20850	20MHz	1	99	Side2	10	Ant-0	0.912	0.912	1<1.2	---	---	---	---

Note: 1. According KDB 447498 D01 V06 section 4.1.4, the “Reported” explanation as below:
“When SAR or MPE is measured at or scaled to the maximum tune-up tolerance limit, the results are referred to as reported.”
2. If actual power less than tune-up power that Scaling SAR is required.
3. The formula of Reported SAR, that represent as below:
Reported SAR = Original SAR * 10^[(Tune-up power - Actual power)/10]

11.6 Std. C95.1-1992 RF Exposure Limit

Human Exposure	Population Uncontrolled Exposure (W/kg) or (mW/g)	Occupational Controlled Exposure (W/kg) or (mW/g)
Spatial Peak SAR* (head)	1.60	8.00
Spatial Peak SAR** (Whole Body)	0.08	0.40
Spatial Peak SAR*** (Partial-Body)	1.60	8.00
Spatial Peak SAR**** (Hands / Feet / Ankle / Wrist)	4.00	20.00

Table 11. Safety Limits for Partial Body Exposure

Notes：

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

****** The Spatial Average value of the SAR averaged over the whole – body.

******* The Spatial Average value of the SAR averaged over the partial – body.

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

Population / Uncontrolled Environments： are defined as locations where there is the exposure of individuals who have no knowledge or control of their exposure.

Occupational / Controlled Environments： are defined as locations where there is exposure that may be incurred by persons who are aware of the potential for exposure, (i.e. as a result of employment or occupation).

12. References

[1] Std. C95.1-1999, "*American National Standard safety levels with respect to human exposure to radio frequency electromagnetic fields, 300KHz to 100GHz",* New York.

[2] NCRP, National Council on Radiation Protection and Measurements, "Biological Effects and Exposure Criteria for Radio frequency Electromagnetic Fields", NCRP report NO. 86, 1986.

[3] T. Schmid, O. Egger, and N. Kuster, "Automatic E-field scanning system for dosimetric assessments", IEEE Transactions on Microwave Theory and Techniques, vol. 44, pp, 105-113, Jan. 1996.

[4] K. Pokovi ć, T. Schmid, and N. Kuster, "Robust setup for precise calibration of E-field probes in tissue simulating liquids at mobile communications frequency", in ICECOM'97, Dubrovnik, October 15-17, 1997, pp.120-124.

[5] K. Pokovi ć, T. Schmid, and N. Kuster, "E-field probe with improved isotropy in brain simulating liquids", in Proceedings of the ELMAR, Zadar, Croatia, 23-25 June, 1996, pp.172-175.

[6] N. Kuster, and Q. Balzano, "Energy absorption mechanism by biological bodies in the near field of dipole antennas above 300MHz", IEEE Transaction on Vehicular Technology, vol. 41, no. 1, Feb. 1992, pp. 17-23.

[7] Robert J. Renka, "Multivariate Interpolation Of Large Sets Of Scattered Data", University of North Texas ACM Transactions on Mathematical Software, vol. 14, no. 2, June 1988 , pp. 139-148.

[8] N. Kuster, R. Kastle, T. Schmid, Dosimetric evaluation of mobile communications equipment with known precision, IEEE Transaction on Communications, vol. E80-B, no. 5, May 1997, pp. 645-652.

[9] Std. C95.3-1991, "IEEE Recommended Practice for the Measurement of Potentially Hazardous Electromagnetic Fields – RF and Microwave, New York: IEEE, Aug. 1992.

[10] CENELEC CLC/SC111B, European Prestandard (prENV 50166-2), Human Exposure to Electromagnetic Fields High-frequency: 10KHz-300GHz, Jan. 1995.

[11] IEEE Std 1528™-2013 - IEEE Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head From Wireless Communications Devices: Measurement Techniques

Appendix A - System Performance Check

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/7 AM 05:56:23
System Performance Check at 750MHz_20170407_Body
DUT: Dipole 750 MHz; Type: D750V3; Serial: D750V3 - SN:1004

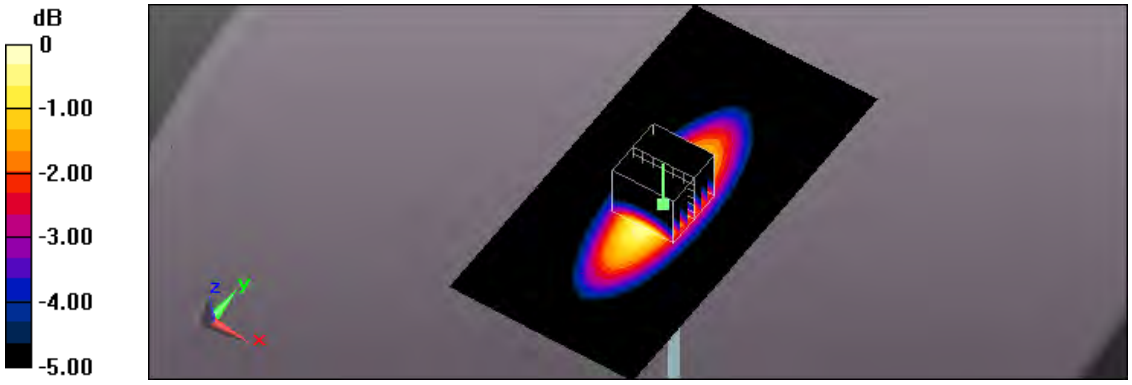
Communication System: UID 0, CW (0); Frequency: 750 MHz;Duty Cycle: 1:1
Medium parameters used: f = 750 MHz; σ = 0.998 S/m; ε_r = 54.582; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(10.45, 10.45, 10.45); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

System Performance Check at 750MHz/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 2.71 W/kg

System Performance Check at 750MHz/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 51.54 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 3.32 W/kg
SAR(1 g) = 2.19 W/kg; SAR(10 g) = 1.46 W/kg
Maximum value of SAR (measured) = 2.78 W/kg



0 dB = 2.78 W/kg = 4.44 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/1 PM 03:23:22
System Performance Check at 835MHz_20170401_Body
DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:4d082

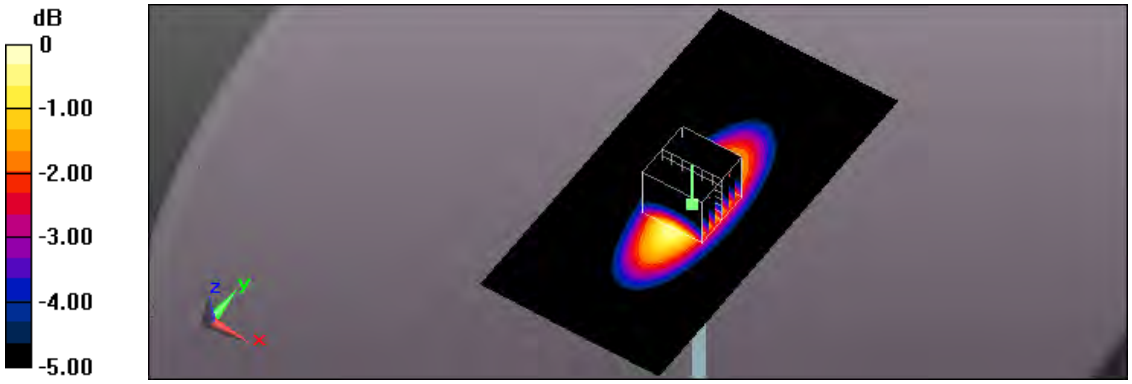
Communication System: UID 0, CW (0); Frequency: 835 MHz;Duty Cycle: 1:1
Medium parameters used: f = 835 MHz; σ = 0.971 S/m; ε_r = 54.857; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(9.83, 9.83, 9.83); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

System Performance Check at 835MHz/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 2.93 W/kg

System Performance Check at 835MHz/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 54.51 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 3.39 W/kg
SAR(1 g) = 2.37 W/kg; SAR(10 g) = 1.58 W/kg
Maximum value of SAR (measured) = 2.94 W/kg



0 dB = 2.94 W/kg = 4.68 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/3/29 PM 08:43:23
System Performance Check at 1750MHz_20170329_Body
DUT: Dipole 1750 MHz; Type: D1750V2; Serial: D1750V2 - SN:1023

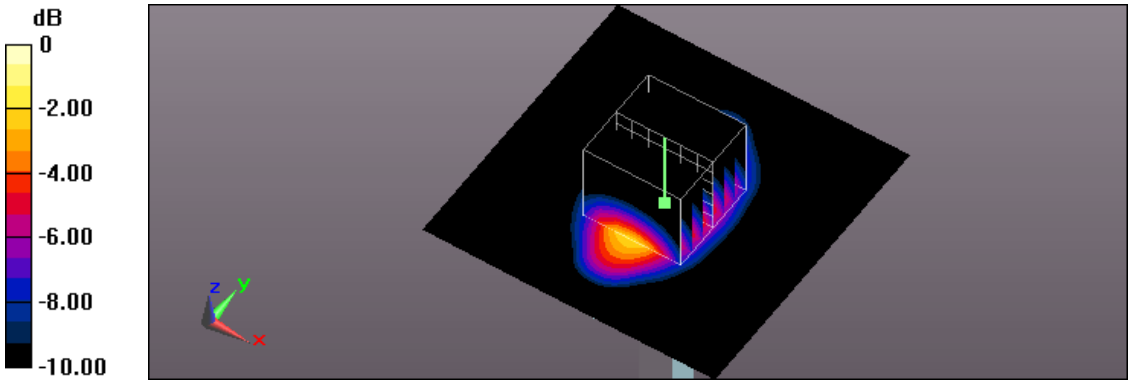
Communication System: UID 0, CW (0); Frequency: 1750 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1750 MHz; σ = 1.529 S/m; ε_r = 52.385; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(8.22, 8.22, 8.22); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

System Performance Check at 1750MHz/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 13.4 W/kg

System Performance Check at 1750MHz/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 94.72 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 16.8 W/kg
SAR(1 g) = 9.33 W/kg; SAR(10 g) = 4.93 W/kg
Maximum value of SAR (measured) = 13.3 W/kg



0 dB = 13.3 W/kg = 11.24 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/3/30 PM 08:45:16
System Performance Check at 1750MHz_20170330_Body
DUT: Dipole 1750 MHz; Type: D1750V2; Serial: D1750V2 - SN:1023

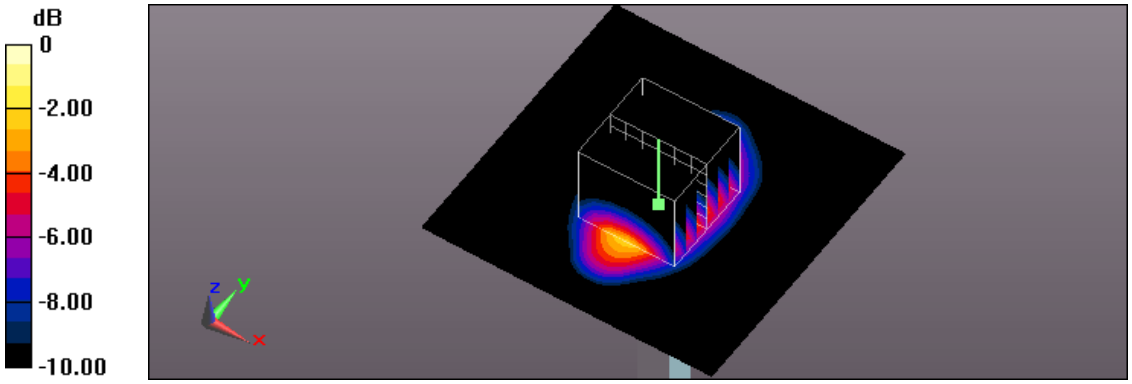
Communication System: UID 0, CW (0); Frequency: 1750 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1750 MHz; σ = 1.529 S/m; ε_r = 52.385; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(8.22, 8.22, 8.22); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

System Performance Check at 1750MHz/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 13.4 W/kg

System Performance Check at 1750MHz/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 93.74 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 17.0 W/kg
SAR(1 g) = 9.33 W/kg; SAR(10 g) = 4.89 W/kg
Maximum value of SAR (measured) = 13.3 W/kg



0 dB = 13.3 W/kg = 11.24 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/3 AM 11:35:21
System Performance Check at 1750MHz_20170403_Body
DUT: Dipole 1750 MHz; Type: D1750V2; Serial: D1750V2 - SN:1023

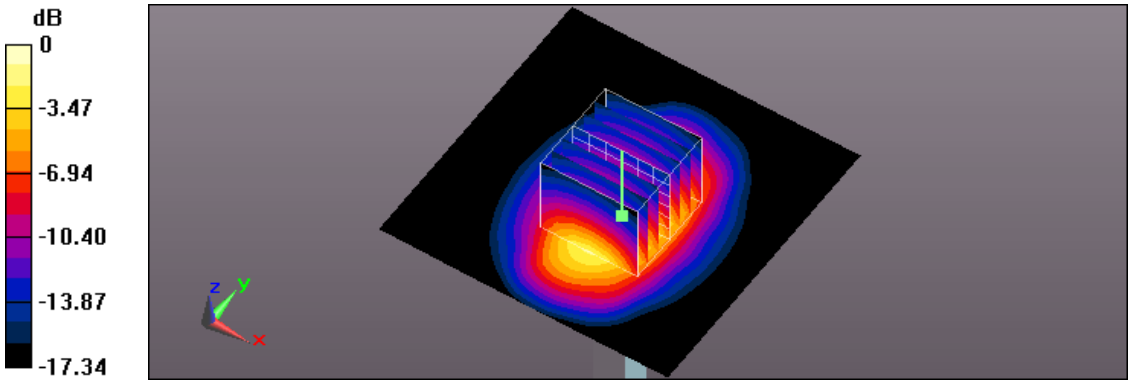
Communication System: UID 0, CW (0); Frequency: 1750 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1750 MHz; σ = 1.529 S/m; ε_r = 52.385; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(8.22, 8.22, 8.22); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

System Performance Check at 1750MHz/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 14.3 W/kg

System Performance Check at 1750MHz/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 87.98 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 17.9 W/kg
SAR(1 g) = 9.84 W/kg; SAR(10 g) = 5.11 W/kg
Maximum value of SAR (measured) = 14.1 W/kg



0 dB = 14.1 W/kg = 11.49 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/3/30 PM 10:34:56
System Performance Check at 1900MHz_20170330_Body
DUT: Dipole D1900V2; Type: D1900V2; Serial: D1900V2 - SN:5d111

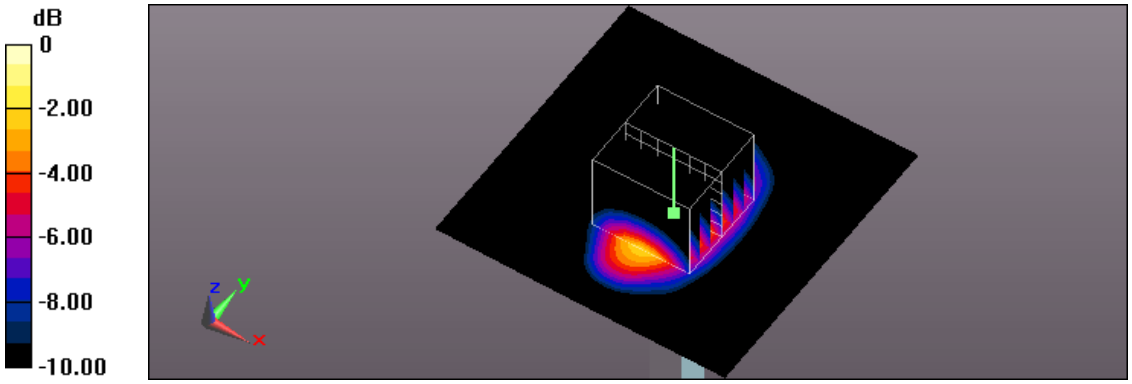
Communication System: UID 0, CW (0); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.583 S/m; ε_r = 52.147; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(7.92, 7.92, 7.92); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

System Performance Check at 1900MHz/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 15.2 W/kg

System Performance Check at 1900MHz/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 93.34 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 19.4 W/kg
SAR(1 g) = 10.3 W/kg; SAR(10 g) = 5.27 W/kg
Maximum value of SAR (measured) = 15.0 W/kg



0 dB = 15.0 W/kg = 11.76 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/3/31 PM 10:42:37
System Performance Check at 1900MHz_20170331_Body
DUT: Dipole D1900V2; Type: D1900V2; Serial: D1900V2 - SN:5d111

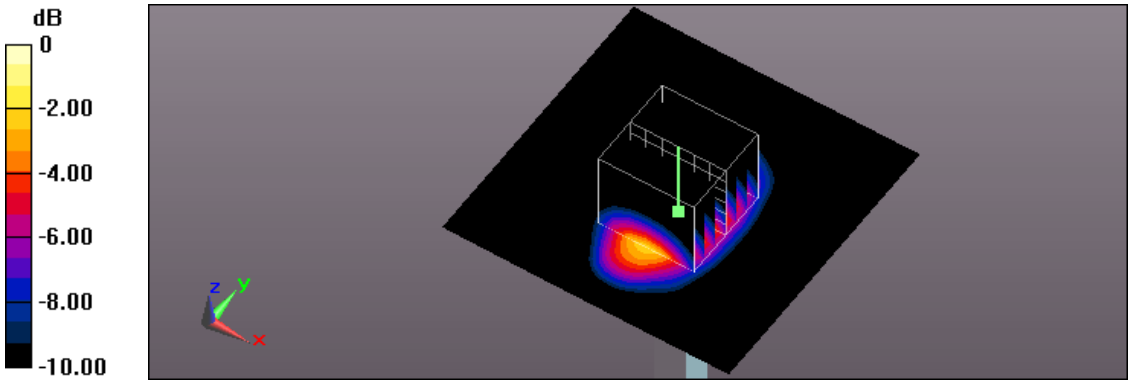
Communication System: UID 0, CW (0); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.583 S/m; ε_r = 52.147; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(7.92, 7.92, 7.92); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

System Performance Check at 1900MHz/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 14.5 W/kg

System Performance Check at 1900MHz/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 91.17 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 19.2 W/kg
SAR(1 g) = 10.2 W/kg; SAR(10 g) = 5.21 W/kg
Maximum value of SAR (measured) = 14.9 W/kg



0 dB = 14.9 W/kg = 11.73 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/10 PM 08:17:38
System Performance Check at 2450MHz_20170410_Body
DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:869

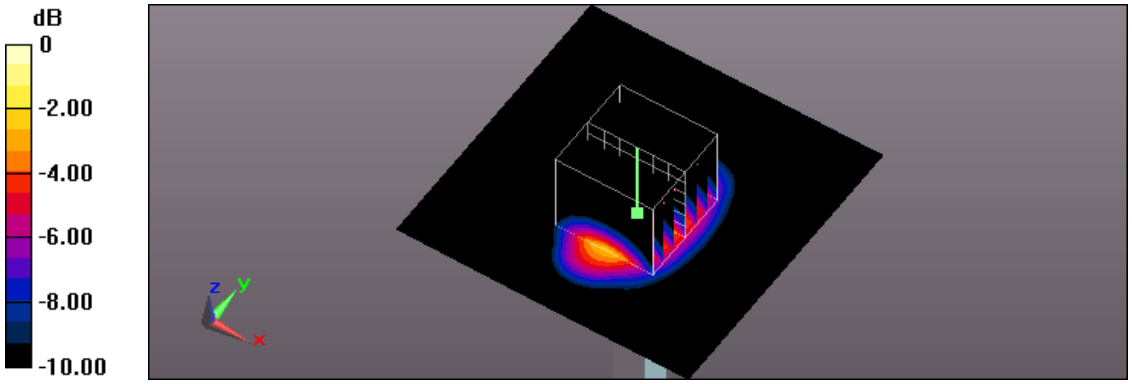
Communication System: UID 0, CW (0); Frequency: 2450 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2450 MHz; σ = 1.964 S/m; ε_r = 52.402; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(7.5, 7.5, 7.5); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

System Performance Check at 2450MHz/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 19.9 W/kg

System Performance Check at 2450MHz/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 93.80 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 26.4 W/kg
SAR(1 g) = 13 W/kg; SAR(10 g) = 6.26 W/kg
Maximum value of SAR (measured) = 19.4 W/kg



0 dB = 19.4 W/kg = 12.88 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/3 PM 02:42:59
System Performance Check at 2600MHz_20170403_Body
DUT: Dipole 2600 MHz; Type: D2600V2; Serial: D2600V2 - SN:1007

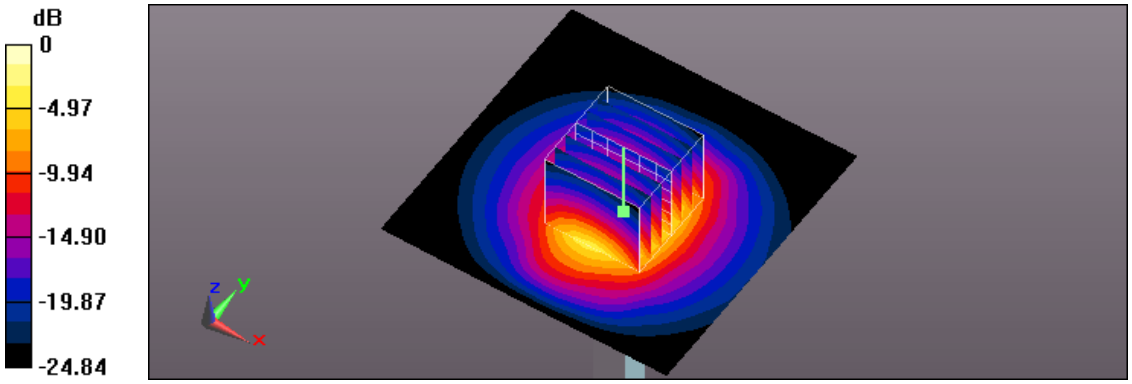
Communication System: UID 0, CW (0); Frequency: 2600 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2600 MHz; σ = 2.192 S/m; ε_r = 50.75; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(7.4, 7.4, 7.4); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

System Performance Check at 2600MHz/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 21.3 W/kg

System Performance Check at 2600MHz/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 89.58 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 31.5 W/kg
SAR(1 g) = 14.1 W/kg; SAR(10 g) = 6.09 W/kg
Maximum value of SAR (measured) = 22.6 W/kg



0 dB = 22.6 W/kg = 13.54 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/5 AM 10:19:25
System Performance Check at 2600MHz_20170405_Body
DUT: Dipole 2600 MHz; Type: D2600V2; Serial: D2600V2 - SN:1007

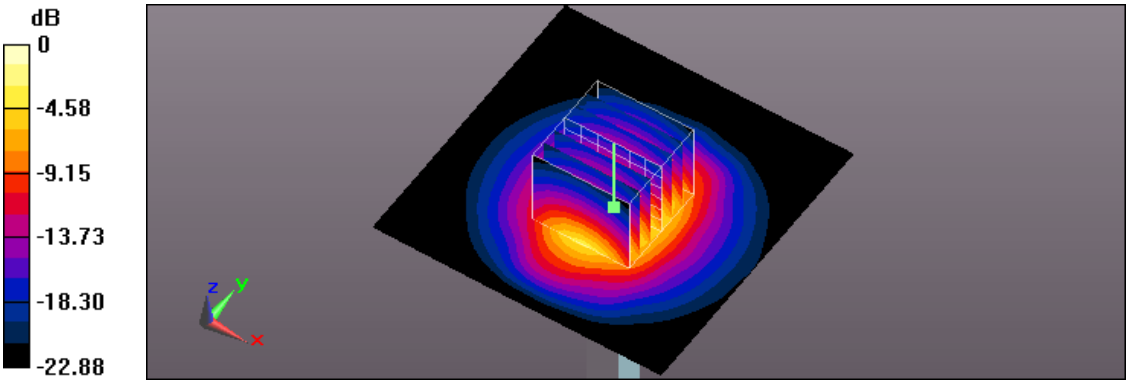
Communication System: UID 0, CW (0); Frequency: 2600 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2600 MHz; σ = 2.192 S/m; ε_r = 50.75; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(7.4, 7.4, 7.4); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

System Performance Check at 2600MHz/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 21.1 W/kg

System Performance Check at 2600MHz/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 91.53 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 29.8 W/kg
SAR(1 g) = 14.1 W/kg; SAR(10 g) = 6.28 W/kg
Maximum value of SAR (measured) = 21.8 W/kg



0 dB = 21.8 W/kg = 13.38 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/7 AM 02:38:54
System Performance Check at 2600MHz_20170407_Body
DUT: Dipole 2600 MHz; Type: D2600V2; Serial: D2600V2 - SN:1007

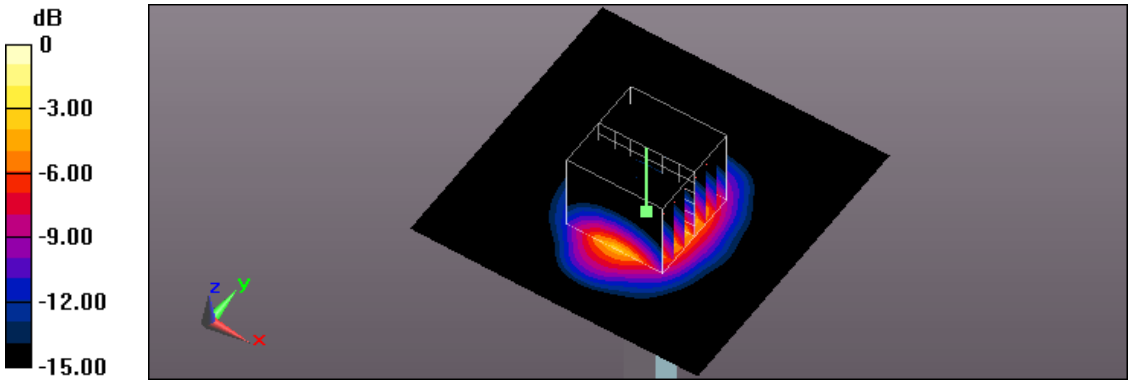
Communication System: UID 0, CW (0); Frequency: 2600 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2600 MHz; σ = 2.116 S/m; ε_r = 51.453; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(7.4, 7.4, 7.4); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

System Performance Check at 2600MHz/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 21.0 W/kg

System Performance Check at 2600MHz/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 88.63 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 29.5 W/kg
SAR(1 g) = 13.6 W/kg; SAR(10 g) = 5.98 W/kg
Maximum value of SAR (measured) = 21.2 W/kg



0 dB = 21.2 W/kg = 13.26 dBW/kg

Appendix B - SAR Measurement Data

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/2 AM 03:02:31
87_GPRS 850 CH190_4D2U_Side1_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

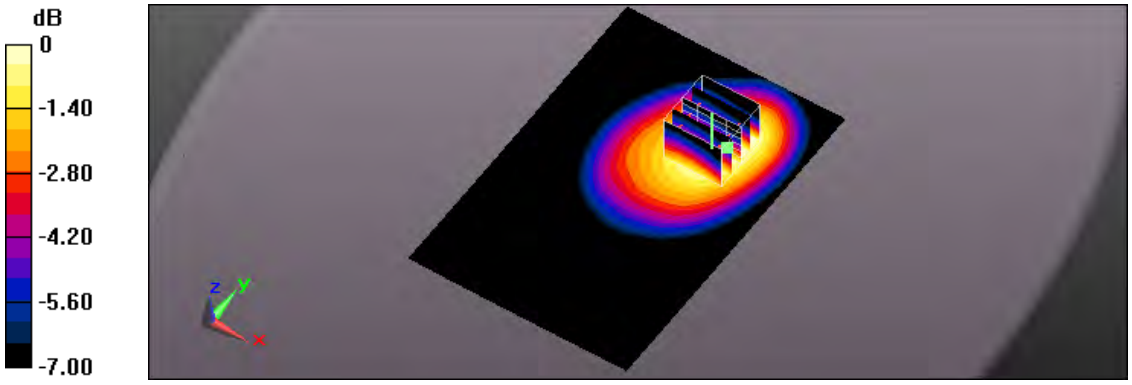
Communication System: UID 0, GPRS 850 (4Down, 2Up) (0); Frequency: 836.6 MHz;Duty Cycle: 1:4
Medium parameters used: f = 837 MHz; σ = 0.974 S/m; ε_r = 54.858; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(9.83, 9.83, 9.83); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.393 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.27 V/m; Power Drift = 0.18 dB
Peak SAR (extrapolated) = 0.431 W/kg
SAR(1 g) = 0.316 W/kg; SAR(10 g) = 0.226 W/kg
Maximum value of SAR (measured) = 0.373 W/kg



0 dB = 0.373 W/kg = -4.28 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/2 AM 04:22:23
93_GPRS 850 CH128_4D2U_Side2_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

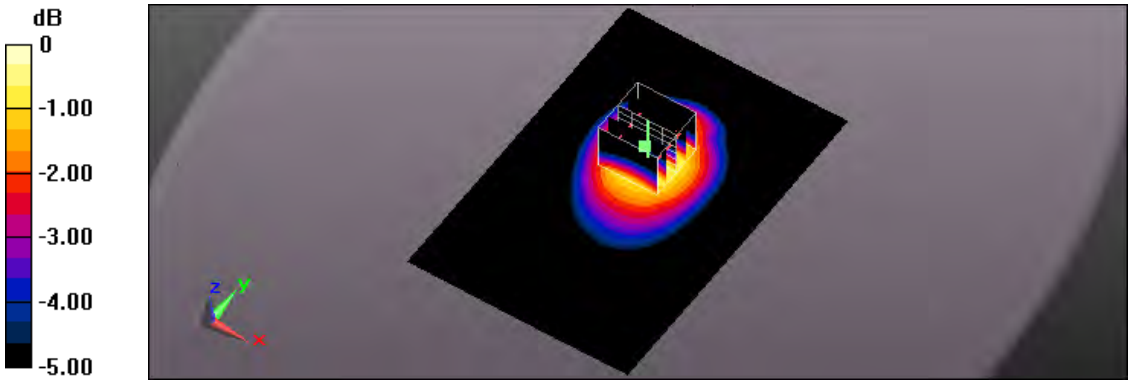
Communication System: UID 0, GPRS 850 (4Down, 2Up) (0); Frequency: 824.2 MHz;Duty Cycle: 1:4
Medium parameters used (interpolated): f = 824.2 MHz; σ = 0.956 S/m; ε_r = 54.975; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(9.83, 9.83, 9.83); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.500 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.68 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.562 W/kg
SAR(1 g) = 0.412 W/kg; SAR(10 g) = 0.294 W/kg
Maximum value of SAR (measured) = 0.491 W/kg



0 dB = 0.491 W/kg = -3.09 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/2 AM 04:51:11
94_GPRS 850 CH190_4D2U_Side2_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

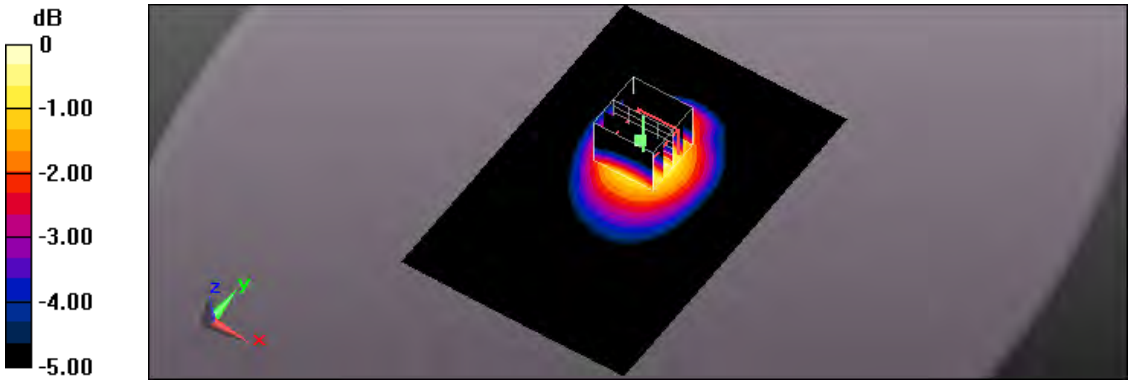
Communication System: UID 0, GPRS 850 (4Down, 2Up) (0); Frequency: 836.6 MHz;Duty Cycle: 1:4
Medium parameters used: f = 837 MHz; σ = 0.974 S/m; ε_r = 54.858; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(9.83, 9.83, 9.83); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.468 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.66 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.528 W/kg
SAR(1 g) = 0.383 W/kg; SAR(10 g) = 0.271 W/kg
Maximum value of SAR (measured) = 0.462 W/kg



0 dB = 0.462 W/kg = -3.35 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/2 AM 03:43:00
88_GPRS 850 CH251_4D2U_Side2_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

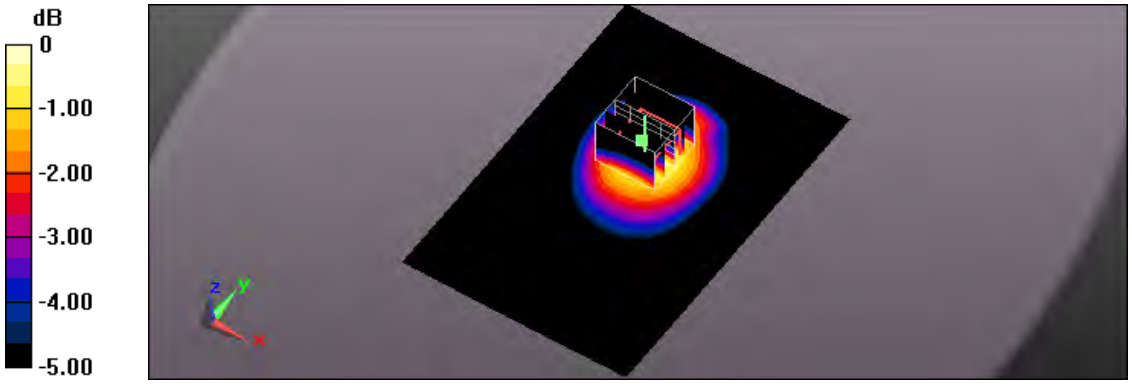
Communication System: UID 0, GPRS 850 (4Down, 2Up) (0); Frequency: 848.8 MHz;Duty Cycle: 1:4
Medium parameters used: f = 849 MHz; σ = 0.995 S/m; ε_r = 54.918; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(9.83, 9.83, 9.83); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.474 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.38 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 0.528 W/kg
SAR(1 g) = 0.382 W/kg; SAR(10 g) = 0.269 W/kg
Maximum value of SAR (measured) = 0.461 W/kg



0 dB = 0.461 W/kg = -3.36 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/2 AM 05:15:19
89_GPRS 850 CH190_4D2U_Side3_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

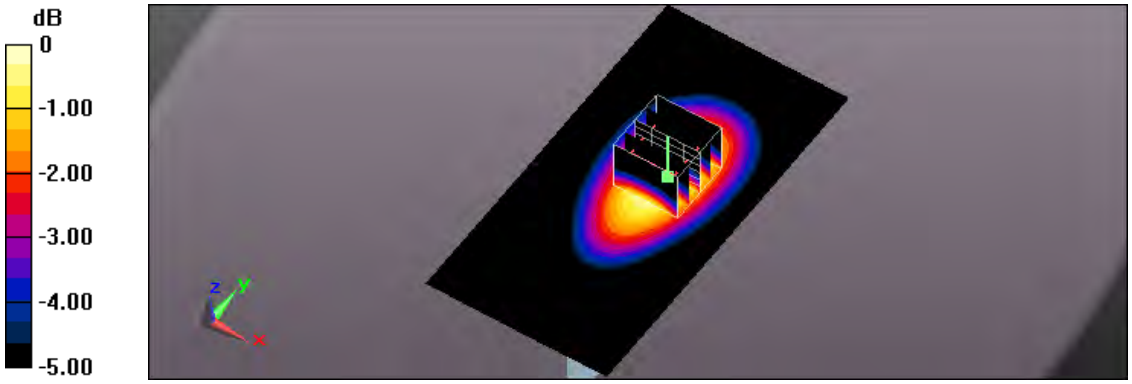
Communication System: UID 0, GPRS 850 (4Down, 2Up) (0); Frequency: 836.6 MHz;Duty Cycle: 1:4
Medium parameters used: f = 837 MHz; σ = 0.974 S/m; ε_r = 54.858; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(9.83, 9.83, 9.83); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.133 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.42 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.153 W/kg
SAR(1 g) = 0.112 W/kg; SAR(10 g) = 0.079 W/kg
Maximum value of SAR (measured) = 0.135 W/kg



0 dB = 0.135 W/kg = -8.70 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/2 AM 05:37:36
90_GPRS 850 CH190_4D2U_Side4_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

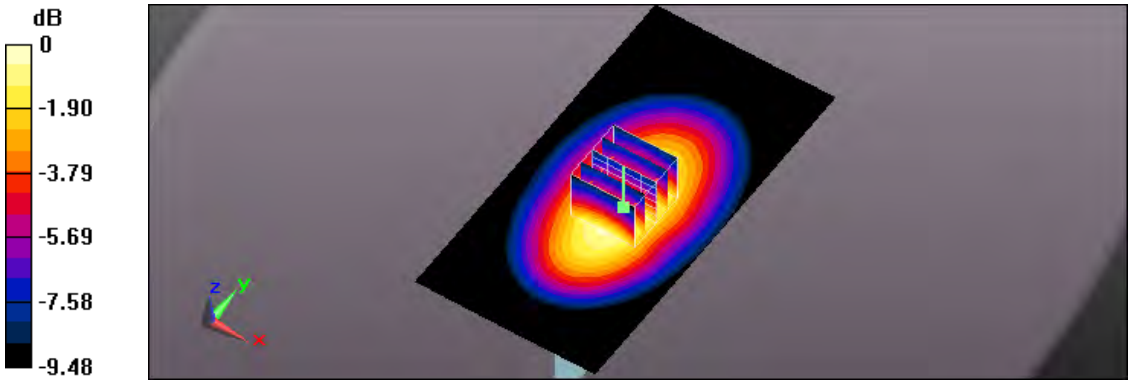
Communication System: UID 0, GPRS 850 (4Down, 2Up) (0); Frequency: 836.6 MHz;Duty Cycle: 1:4
Medium parameters used: f = 837 MHz; σ = 0.974 S/m; ε_r = 54.858; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(9.83, 9.83, 9.83); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.414 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.46 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.475 W/kg
SAR(1 g) = 0.348 W/kg; SAR(10 g) = 0.243 W/kg
Maximum value of SAR (measured) = 0.423 W/kg



0 dB = 0.423 W/kg = -3.74 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/2 AM 06:06:28
91_GPRS 850 CH190_4D2U_Side5_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

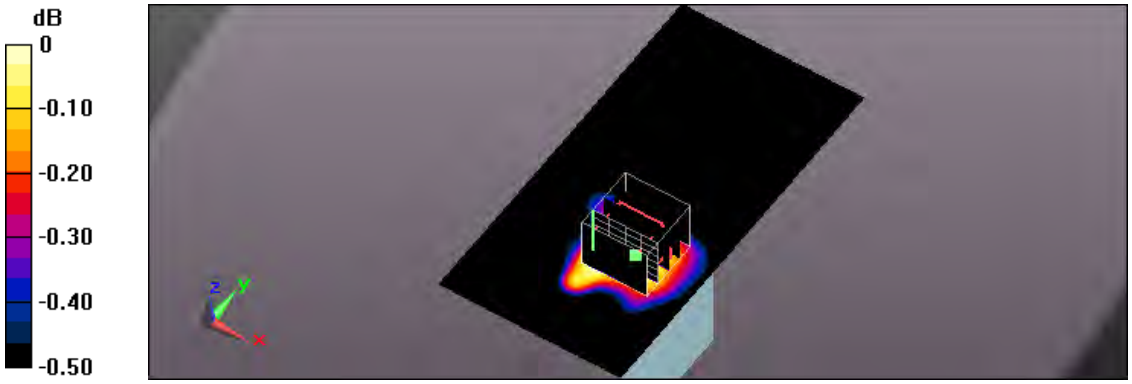
Communication System: UID 0, GPRS 850 (4Down, 2Up) (0); Frequency: 836.6 MHz;Duty Cycle: 1:4
Medium parameters used: f = 837 MHz; σ = 0.974 S/m; ε_r = 54.858; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(9.83, 9.83, 9.83); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.0126 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.304 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.0140 W/kg
SAR(1 g) = 0.010 W/kg; SAR(10 g) = 0.00787 W/kg
Maximum value of SAR (measured) = 0.0122 W/kg



0 dB = 0.0122 W/kg = -19.14 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/2 AM 06:25:13
92_GPRS 850 CH190_4D2U_Side6_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

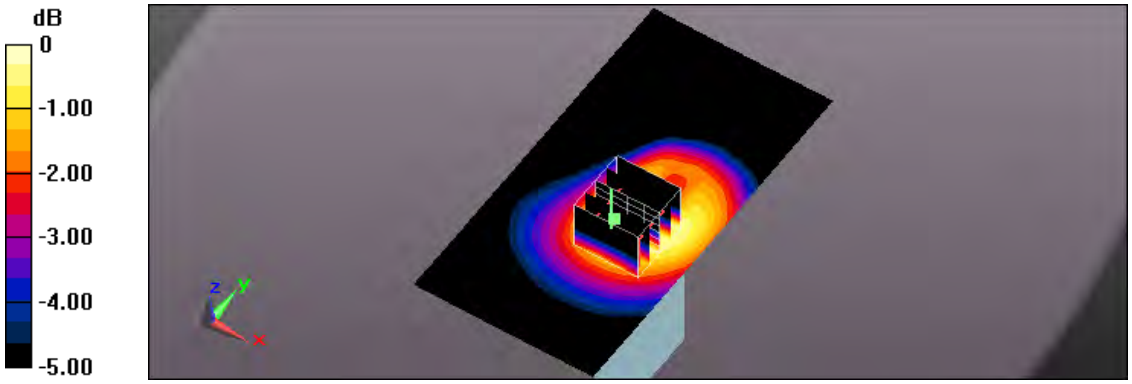
Communication System: UID 0, GPRS 850 (4Down, 2Up) (0); Frequency: 836.6 MHz;Duty Cycle: 1:4
Medium parameters used: f = 837 MHz; σ = 0.974 S/m; ε_r = 54.858; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(9.83, 9.83, 9.83); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.0693 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.207 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.0840 W/kg
SAR(1 g) = 0.056 W/kg; SAR(10 g) = 0.039 W/kg
Maximum value of SAR (measured) = 0.0695 W/kg



0 dB = 0.0695 W/kg = -11.58 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/3/31 AM 12:29:28
24_GPRS 1900 CH661_4D2U_Side1_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

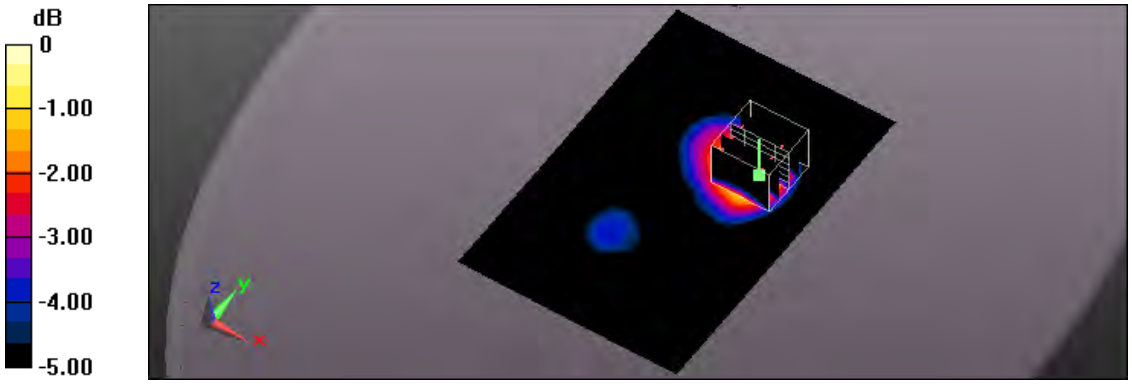
Communication System: UID 0, GPRS PCS (4Down,2Up) (0); Frequency: 1880 MHz;Duty Cycle: 1:4
Medium parameters used: f = 1880 MHz; σ = 1.564 S/m; ε_r = 52.223; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(7.92, 7.92, 7.92); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.553 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.814 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.659 W/kg
SAR(1 g) = 0.389 W/kg; SAR(10 g) = 0.229 W/kg
Maximum value of SAR (measured) = 0.523 W/kg



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

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/3/31 AM 04:15:19
30_GPRS 1900 CH512_4D2U_Side2_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

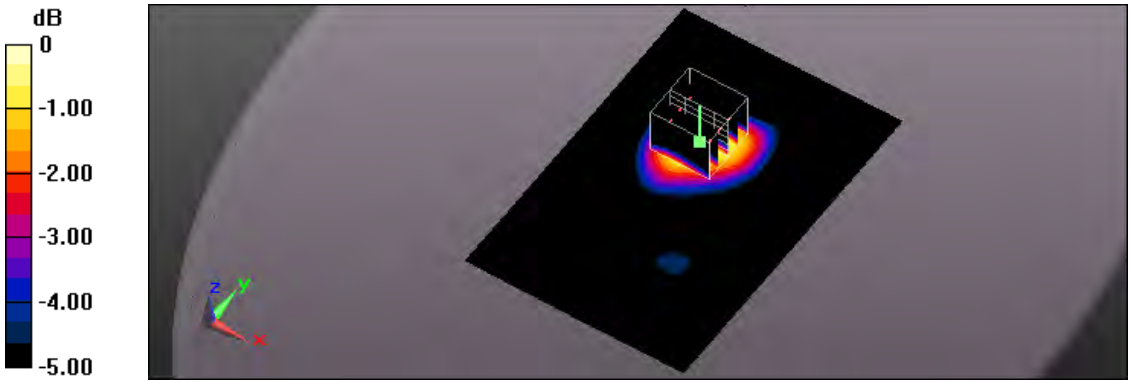
Communication System: UID 0, GPRS PCS (4Down,2Up) (0); Frequency: 1850.2 MHz;Duty Cycle: 1:4
Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.527 S/m; ε_r = 52.191; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(7.92, 7.92, 7.92); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.705 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.98 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 0.816 W/kg
SAR(1 g) = 0.508 W/kg; SAR(10 g) = 0.310 W/kg
Maximum value of SAR (measured) = 0.663 W/kg



0 dB = 0.663 W/kg = -1.78 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/3/31 AM 12:53:46
25_GPRS 1900 CH661_4D2U_Side2_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

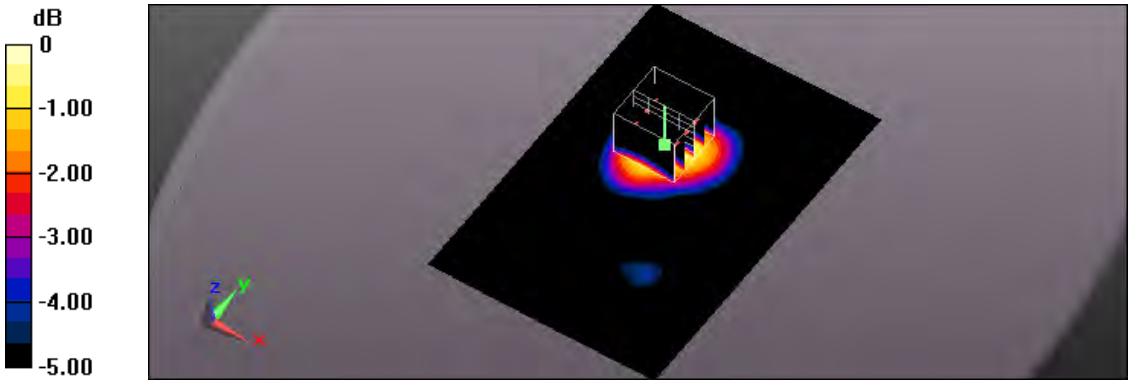
Communication System: UID 0, GPRS PCS (4Down,2Up) (0); Frequency: 1880 MHz;Duty Cycle: 1:4
Medium parameters used: f = 1880 MHz; σ = 1.564 S/m; ε_r = 52.223; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(7.92, 7.92, 7.92); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.735 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.86 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.840 W/kg
SAR(1 g) = 0.520 W/kg; SAR(10 g) = 0.317 W/kg
Maximum value of SAR (measured) = 0.686 W/kg



0 dB = 0.686 W/kg = -1.64 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/3/31 AM 04:35:02
31_GPRS 1900 CH810_4D2U_Side2_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

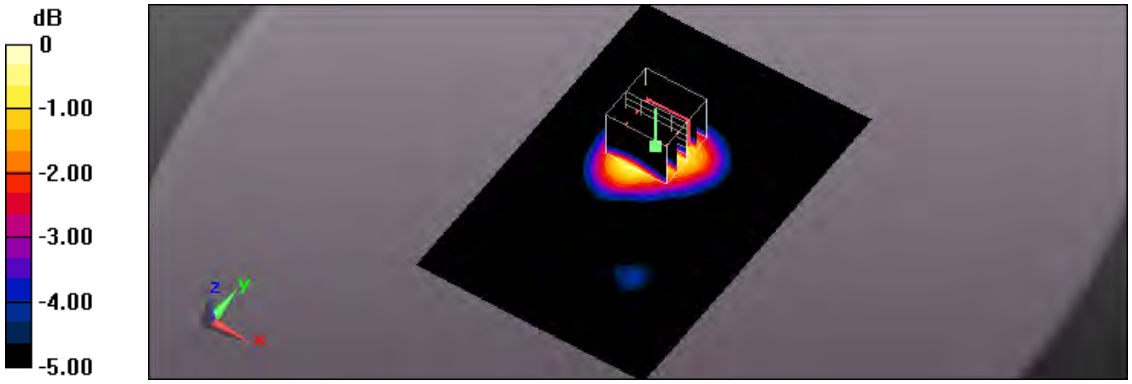
Communication System: UID 0, GPRS PCS (4Down,2Up) (0); Frequency: 1909.8 MHz;Duty Cycle: 1:4
Medium parameters used: f = 1910 MHz; σ = 1.589 S/m; ε_r = 52.023; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(7.92, 7.92, 7.92); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.812 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.15 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.939 W/kg
SAR(1 g) = 0.579 W/kg; SAR(10 g) = 0.356 W/kg
Maximum value of SAR (measured) = 0.757 W/kg



0 dB = 0.757 W/kg = -1.21 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/3/31 AM 01:18:47
26_GPRS 1900 CH661_4D2U_Side3_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

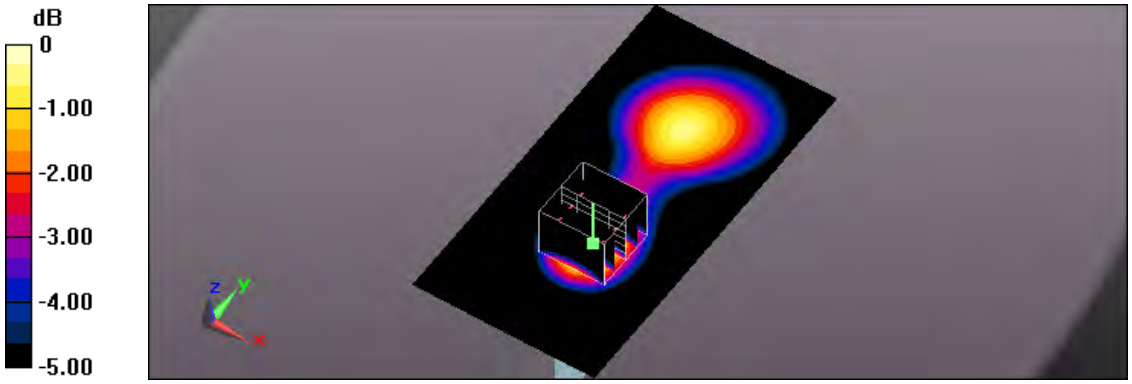
Communication System: UID 0, GPRS PCS (4Down,2Up) (0); Frequency: 1880 MHz;Duty Cycle: 1:4
Medium parameters used: f = 1880 MHz; σ = 1.564 S/m; ε_r = 52.223; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(7.92, 7.92, 7.92); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.108 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.044 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.134 W/kg
SAR(1 g) = 0.080 W/kg; SAR(10 g) = 0.047 W/kg
Maximum value of SAR (measured) = 0.107 W/kg



0 dB = 0.107 W/kg = -9.71 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/3/31 AM 01:40:11
27_GPRS 1900 CH661_4D2U_Side4_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

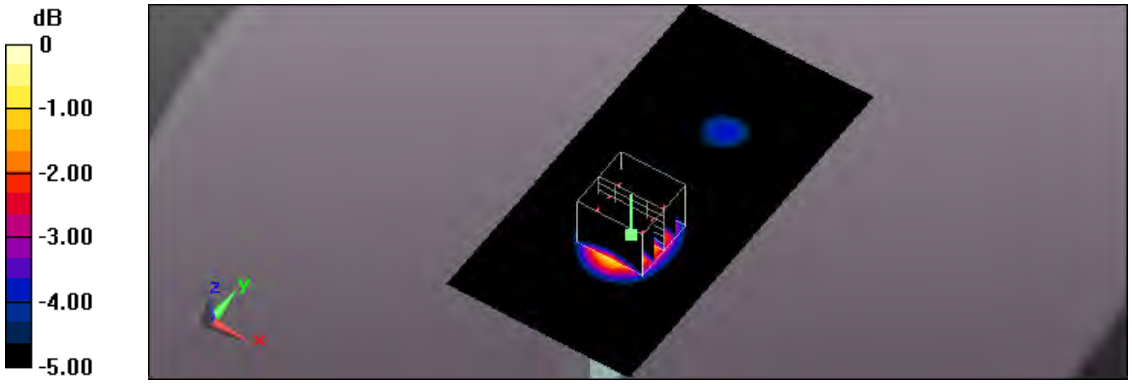
Communication System: UID 0, GPRS PCS (4Down,2Up) (0); Frequency: 1880 MHz;Duty Cycle: 1:4
Medium parameters used: f = 1880 MHz; σ = 1.564 S/m; ε_r = 52.223; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(7.92, 7.92, 7.92); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.612 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.31 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.738 W/kg
SAR(1 g) = 0.446 W/kg; SAR(10 g) = 0.260 W/kg
Maximum value of SAR (measured) = 0.598 W/kg



0 dB = 0.598 W/kg = -2.23 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/3/31 AM 02:09:16
28_GPRS 1900 CH661_4D2U_Side5_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

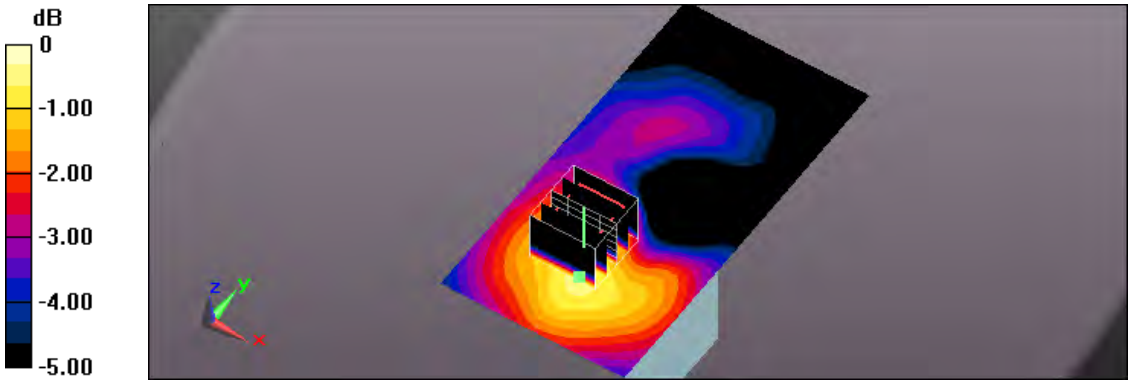
Communication System: UID 0, GPRS PCS (4Down,2Up) (0); Frequency: 1880 MHz;Duty Cycle: 1:4
Medium parameters used: f = 1880 MHz; σ = 1.564 S/m; ε_r = 52.223; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(7.92, 7.92, 7.92); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.0321 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.415 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 0.0460 W/kg
SAR(1 g) = 0.027 W/kg; SAR(10 g) = 0.017 W/kg
Maximum value of SAR (measured) = 0.0363 W/kg



0 dB = 0.0363 W/kg = -14.40 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/3/31 AM 03:33:55
29_GPRS 1900 CH661_4D2U_Side6_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

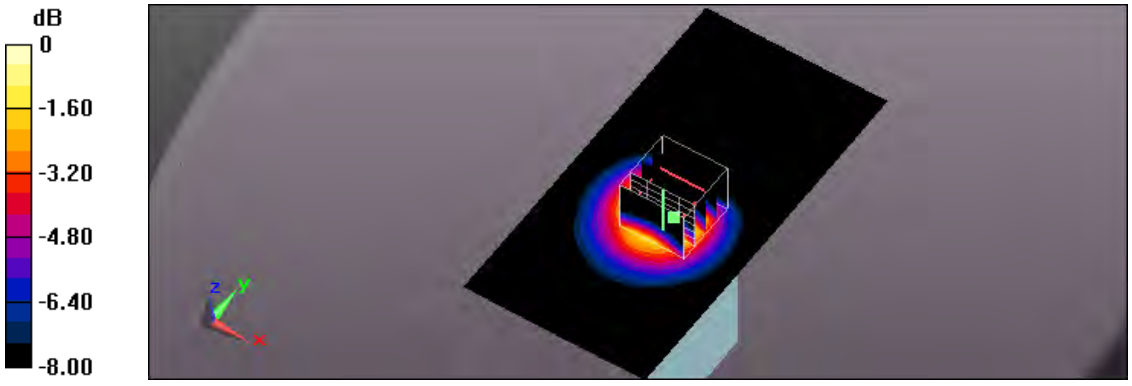
Communication System: UID 0, GPRS PCS (4Down,2Up) (0); Frequency: 1880 MHz;Duty Cycle: 1:4
Medium parameters used: f = 1880 MHz; σ = 1.564 S/m; ε_r = 52.223; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(7.92, 7.92, 7.92); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.248 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.80 V/m; Power Drift = 0.19 dB
Peak SAR (extrapolated) = 0.332 W/kg
SAR(1 g) = 0.198 W/kg; SAR(10 g) = 0.112 W/kg
Maximum value of SAR (measured) = 0.265 W/kg



0 dB = 0.265 W/kg = -5.77 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/3/31 AM 05:02:35
32_WCDMA Band II CH9400_RMC12.2K_Side1_10mm_Ant-0
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

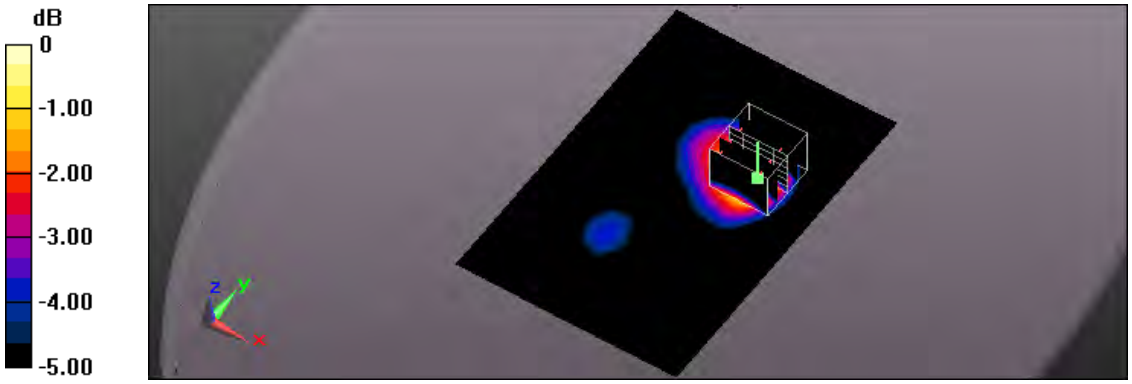
Communication System: UID 0, WCDMA Band II (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.564 S/m; ε_r = 52.223; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(7.92, 7.92, 7.92); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.999 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.84 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 1.20 W/kg
SAR(1 g) = 0.715 W/kg; SAR(10 g) = 0.420 W/kg
Maximum value of SAR (measured) = 0.947 W/kg



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

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/3/31 AM 06:11:56
35_WCDMA Band II CH9262_RMC12.2K_Side2_10mm_Ant-0
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

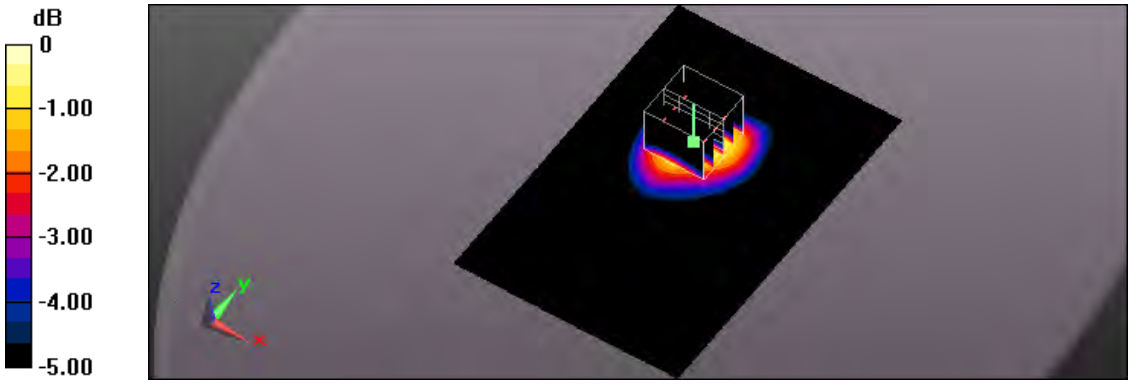
Communication System: UID 0, WCDMA Band II (0); Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1852.4 MHz; σ = 1.53 S/m; ε_r = 52.184; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(7.92, 7.92, 7.92); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.37 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.86 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 1.60 W/kg
SAR(1 g) = 1 W/kg; SAR(10 g) = 0.617 W/kg
Maximum value of SAR (measured) = 1.31 W/kg



0 dB = 1.31 W/kg = 1.17 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/3/31 AM 05:26:42
33_WCDMA Band II CH9400_RMC12.2K_Side2_10mm_Ant-0
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

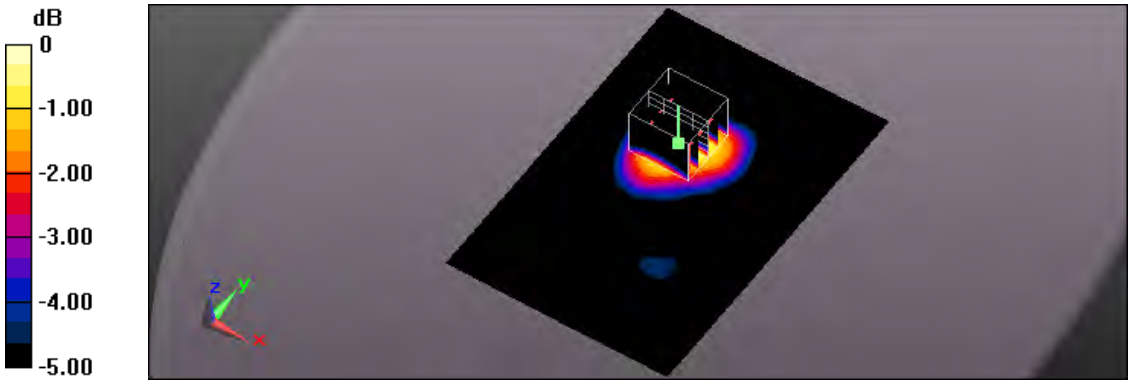
Communication System: UID 0, WCDMA Band II (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.564 S/m; ε_r = 52.223; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(7.92, 7.92, 7.92); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.27 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.00 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 1.47 W/kg
SAR(1 g) = 0.910 W/kg; SAR(10 g) = 0.558 W/kg
Maximum value of SAR (measured) = 1.18 W/kg



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

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/3/31 AM 06:32:46
36_WCDMA Band II CH9538_RMC12.2K_Side2_10mm_Ant-0
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

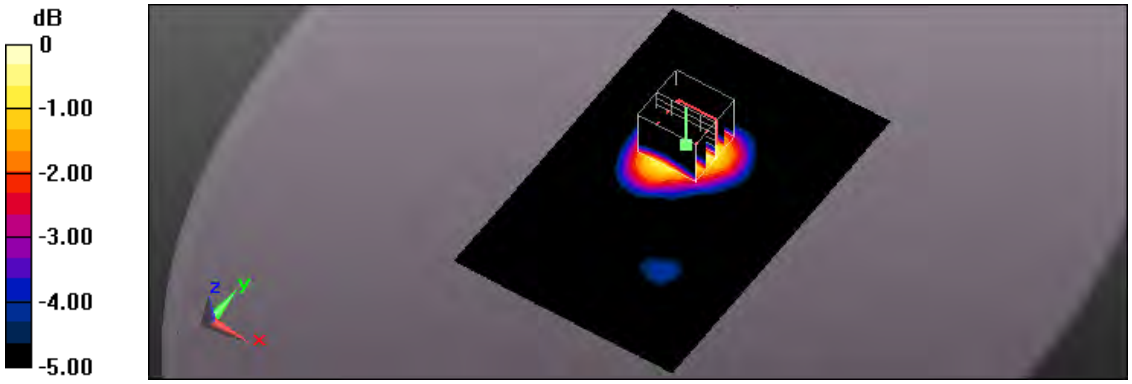
Communication System: UID 0, WCDMA Band II (0); Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1908 MHz; σ = 1.588 S/m; ε_r = 52.073; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(7.92, 7.92, 7.92); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.42 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.19 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 1.61 W/kg
SAR(1 g) = 1.01 W/kg; SAR(10 g) = 0.628 W/kg
Maximum value of SAR (measured) = 1.31 W/kg



0 dB = 1.31 W/kg = 1.17 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/3/31 AM 06:55:53
37_WCDMA Band II CH9400_RMC12.2K_Side3_10mm_Ant-0
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

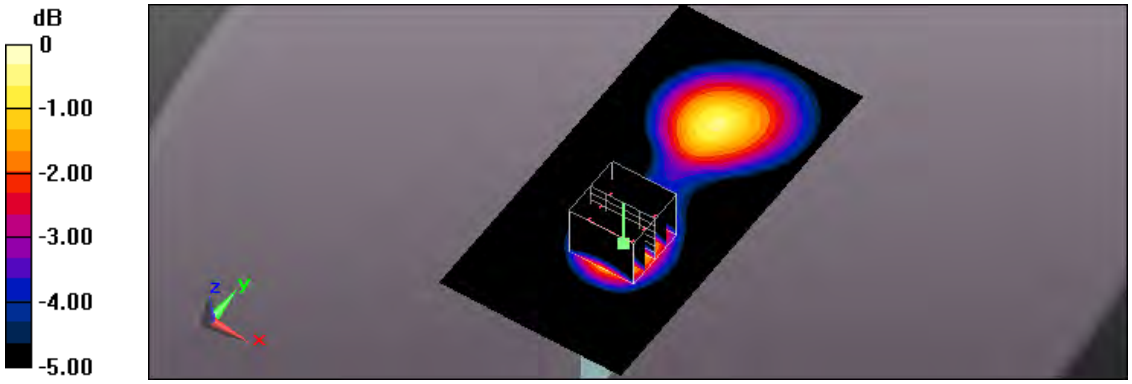
Communication System: UID 0, WCDMA Band II (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.564 S/m; ε_r = 52.223; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(7.92, 7.92, 7.92); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.220 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.077 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.275 W/kg
SAR(1 g) = 0.165 W/kg; SAR(10 g) = 0.098 W/kg
Maximum value of SAR (measured) = 0.222 W/kg



0 dB = 0.222 W/kg = -6.54 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/3/31 PM 06:59:33
41_WCDMA Band II CH9262_RMC12.2K_Side4_10mm_Ant-0
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

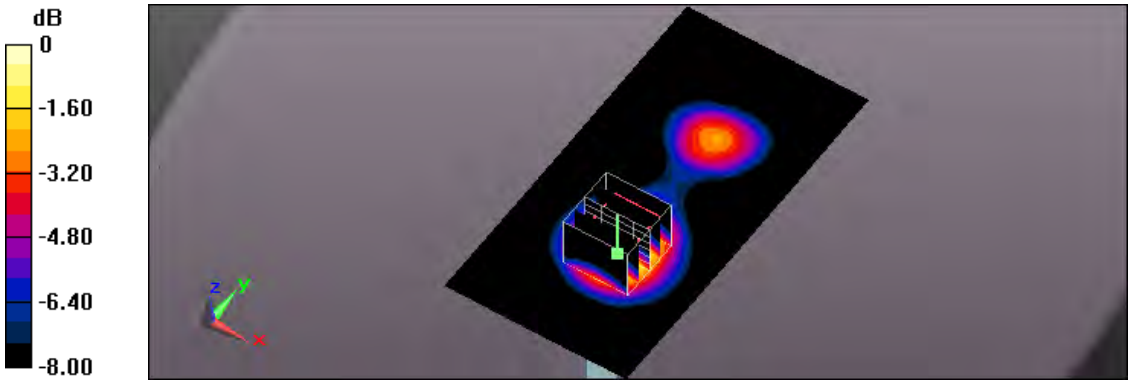
Communication System: UID 0, WCDMA Band II (0); Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1852.4 MHz; σ = 1.53 S/m; ε_r = 52.184; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(7.92, 7.92, 7.92); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.15 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.43 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 1.41 W/kg
SAR(1 g) = 0.849 W/kg; SAR(10 g) = 0.494 W/kg
Maximum value of SAR (measured) = 1.13 W/kg



0 dB = 1.13 W/kg = 0.53 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/3/31 AM 09:21:11
38_WCDMA Band II CH9400_RMC12.2K_Side4_10mm_Ant-0
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

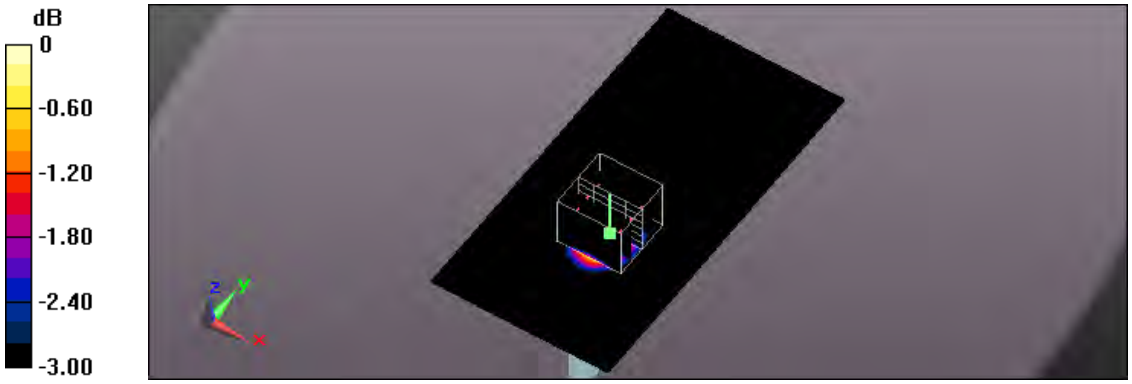
Communication System: UID 0, WCDMA Band II (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.564 S/m; ε_r = 52.223; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(7.92, 7.92, 7.92); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.15 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.14 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 1.38 W/kg
SAR(1 g) = 0.840 W/kg; SAR(10 g) = 0.492 W/kg
Maximum value of SAR (measured) = 1.12 W/kg



0 dB = 1.12 W/kg = 0.49 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/3/31 PM 07:26:35
42_WCDMA Band II CH9538_RMC12.2K_Side4_10mm_Ant-0
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

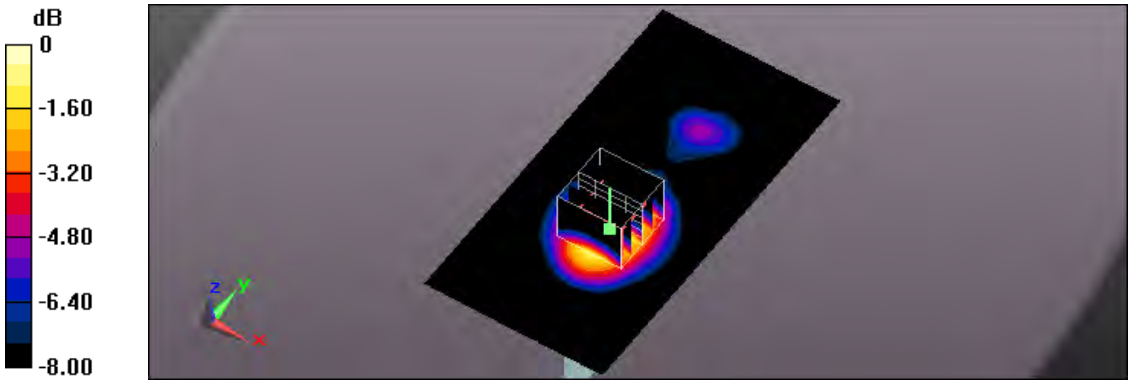
Communication System: UID 0, WCDMA Band II (0); Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1908 MHz; σ = 1.588 S/m; ε_r = 52.073; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(7.92, 7.92, 7.92); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.09 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.50 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 1.41 W/kg
SAR(1 g) = 0.861 W/kg; SAR(10 g) = 0.500 W/kg
Maximum value of SAR (measured) = 1.13 W/kg



0 dB = 1.13 W/kg = 0.53 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/3/31 AM 10:57:39
40_WCDMA Band II CH9400_RMC12.2K_Side6_10mm_Ant-0
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

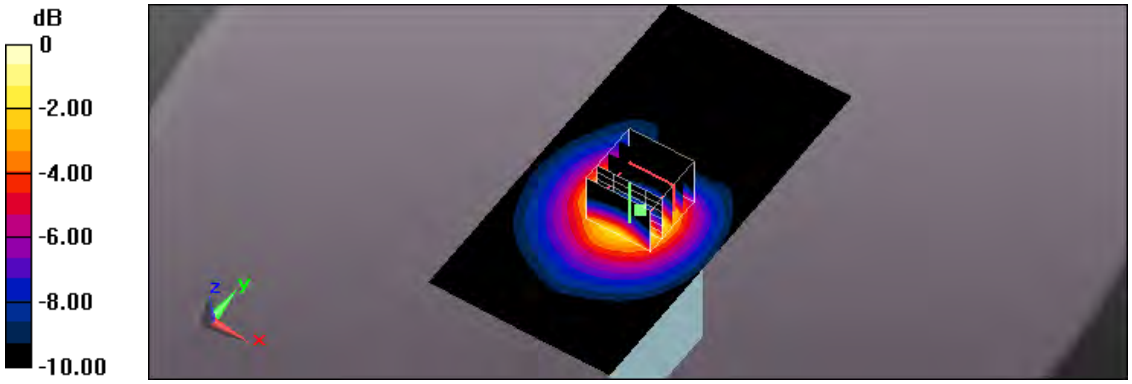
Communication System: UID 0, WCDMA Band II (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.564 S/m; ε_r = 52.223; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(7.92, 7.92, 7.92); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.501 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.67 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.638 W/kg
SAR(1 g) = 0.384 W/kg; SAR(10 g) = 0.216 W/kg
Maximum value of SAR (measured) = 0.511 W/kg



0 dB = 0.511 W/kg = -2.92 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/3/30 PM 02:42:30
17_WCDMA Band IV CH1413_RMC12.2K_Side1_10mm_Ant-0
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

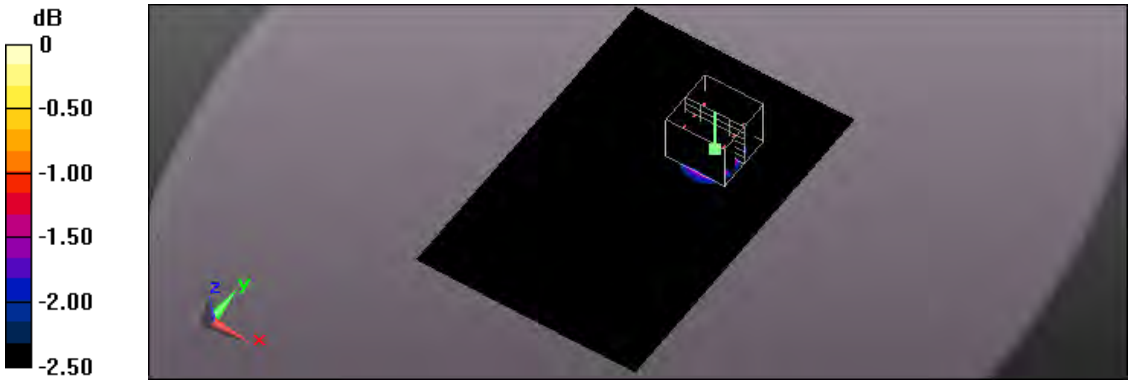
Communication System: UID 0, WCDMA Band IV (0); Frequency: 1732.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1733 MHz; σ = 1.514 S/m; ε_r = 52.415; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(8.22, 8.22, 8.22); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.589 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.40 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 0.728 W/kg
SAR(1 g) = 0.437 W/kg; SAR(10 g) = 0.260 W/kg
Maximum value of SAR (measured) = 0.587 W/kg



0 dB = 0.587 W/kg = -2.31 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/3 PM 12:05:09
113_WCDMA Band IV CH1312_RMC12.2K_Side2_10mm_Ant-0
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

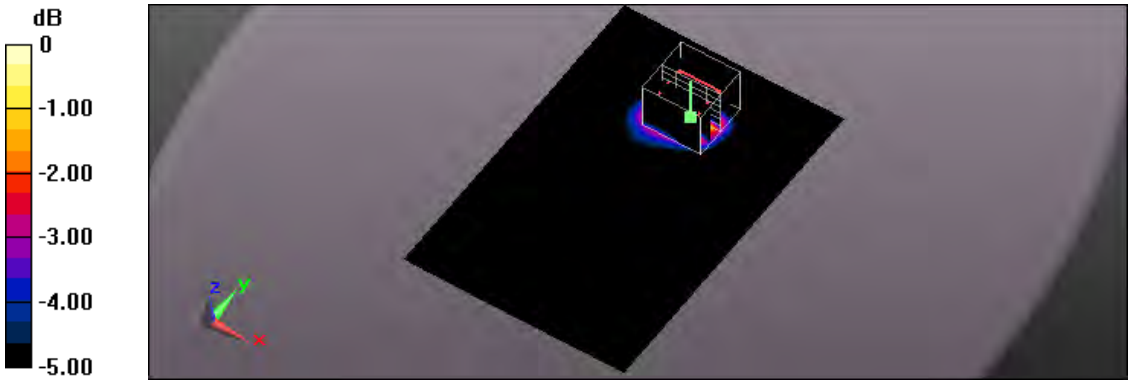
Communication System: UID 0, WCDMA Band IV (0); Frequency: 1712.4 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1712.4 MHz; σ = 1.498 S/m; ε_r = 52.488; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(8.22, 8.22, 8.22); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.70 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.97 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 2.41 W/kg
SAR(1 g) = 1.34 W/kg; SAR(10 g) = 0.726 W/kg
Maximum value of SAR (measured) = 1.87 W/kg



0 dB = 1.87 W/kg = 2.72 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/3/30 PM 03:13:08
18_WCDMA Band IV CH1413_RMC12.2K_Side2_10mm_Ant-0
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

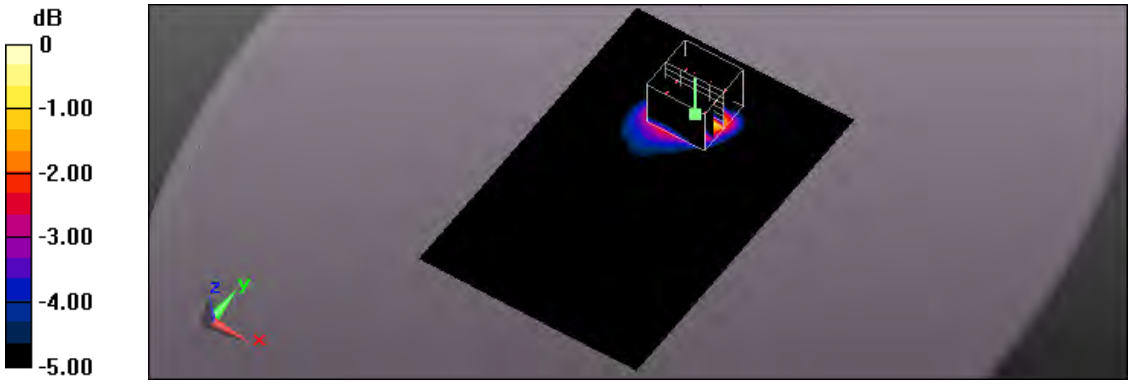
Communication System: UID 0, WCDMA Band IV (0); Frequency: 1732.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1733 MHz; σ = 1.514 S/m; ε_r = 52.415; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(8.22, 8.22, 8.22); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.31 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.66 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 1.79 W/kg
SAR(1 g) = 1.01 W/kg; SAR(10 g) = 0.548 W/kg
Maximum value of SAR (measured) = 1.40 W/kg



0 dB = 1.40 W/kg = 1.46 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/3 PM 12:25:01
114_WCDMA Band IV CH1513_RMC12.2K_Side2_10mm_Ant-0
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

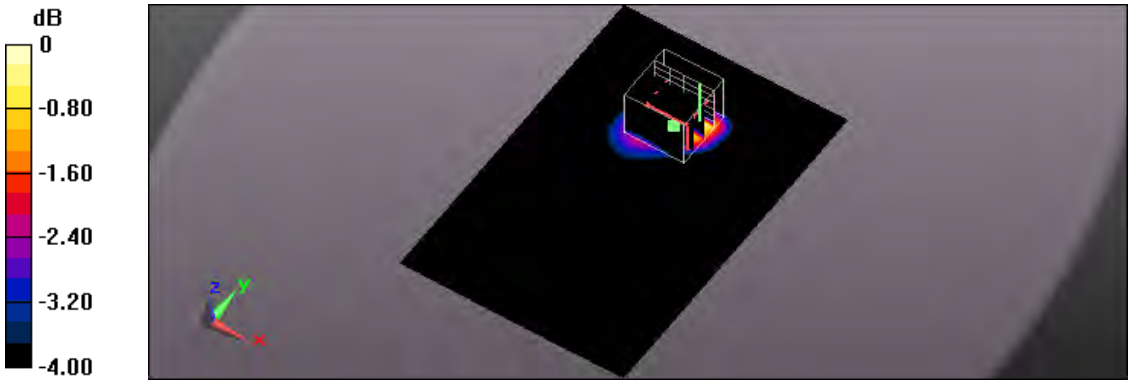
Communication System: UID 0, WCDMA Band IV (0); Frequency: 1752.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1753 MHz; σ = 1.533 S/m; ε_r = 52.383; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(8.22, 8.22, 8.22); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.75 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.47 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 2.48 W/kg
SAR(1 g) = 1.38 W/kg; SAR(10 g) = 0.766 W/kg
Maximum value of SAR (measured) = 1.86 W/kg



0 dB = 1.86 W/kg = 2.70 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/3/30 PM 03:38:53
20_WCDMA Band IV CH1413_RMC12.2K_Side3_10mm_Ant-0
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

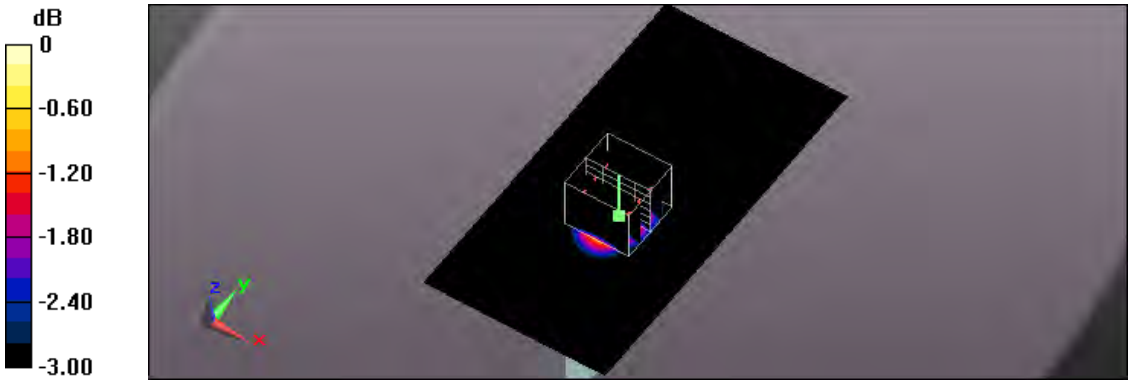
Communication System: UID 0, WCDMA Band IV (0); Frequency: 1732.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1733 MHz; σ = 1.514 S/m; ε_r = 52.415; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(8.22, 8.22, 8.22); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.175 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.622 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.214 W/kg
SAR(1 g) = 0.134 W/kg; SAR(10 g) = 0.081 W/kg
Maximum value of SAR (measured) = 0.176 W/kg



0 dB = 0.176 W/kg = -7.54 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/3/30 PM 04:01:32
21_WCDMA Band IV CH1413_RMC12.2K_Side4_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

Communication System: UID 0, WCDMA Band IV (0); Frequency: 1732.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1733 MHz; σ = 1.514 S/m; ε_r = 52.415; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

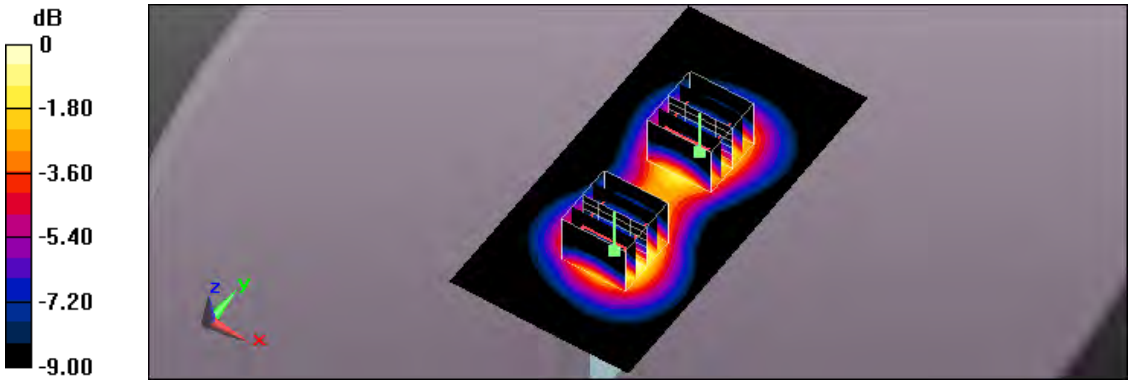
DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(8.22, 8.22, 8.22); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.673 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.95 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.778 W/kg
SAR(1 g) = 0.471 W/kg; SAR(10 g) = 0.274 W/kg
Maximum value of SAR (measured) = 0.628 W/kg

Flat/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.95 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.621 W/kg
SAR(1 g) = 0.392 W/kg; SAR(10 g) = 0.238 W/kg
Maximum value of SAR (measured) = 0.511 W/kg



0 dB = 0.511 W/kg = -2.92 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/3/30 PM 04:55:35
23_WCDMA Band IV CH1413_RMC12.2K_Side6_10mm_Ant-0
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

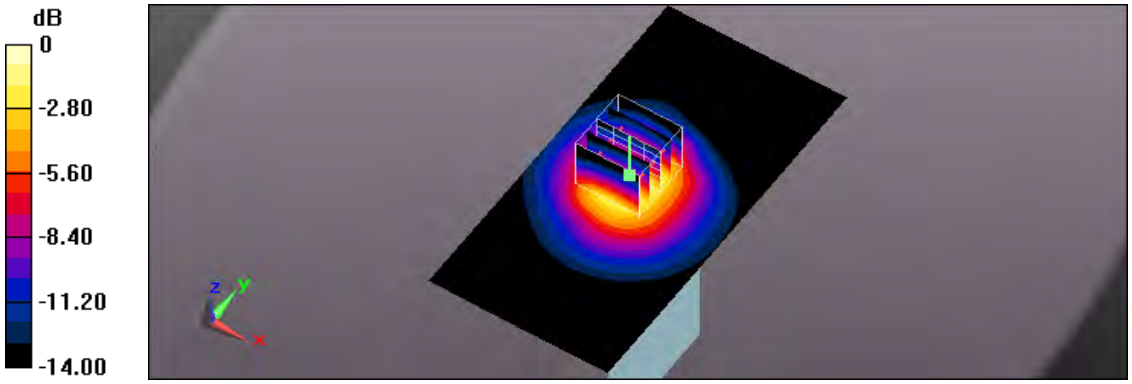
Communication System: UID 0, WCDMA Band IV (0); Frequency: 1732.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1733 MHz; σ = 1.514 S/m; ε_r = 52.415; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(8.22, 8.22, 8.22); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.761 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.44 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 0.929 W/kg
SAR(1 g) = 0.540 W/kg; SAR(10 g) = 0.301 W/kg
Maximum value of SAR (measured) = 0.740 W/kg



0 dB = 0.740 W/kg = -1.31 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/2 AM 10:33:19
95_WCDMA Band V CH4183_RMC12.2K_Side1_10mm_Ant-0
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

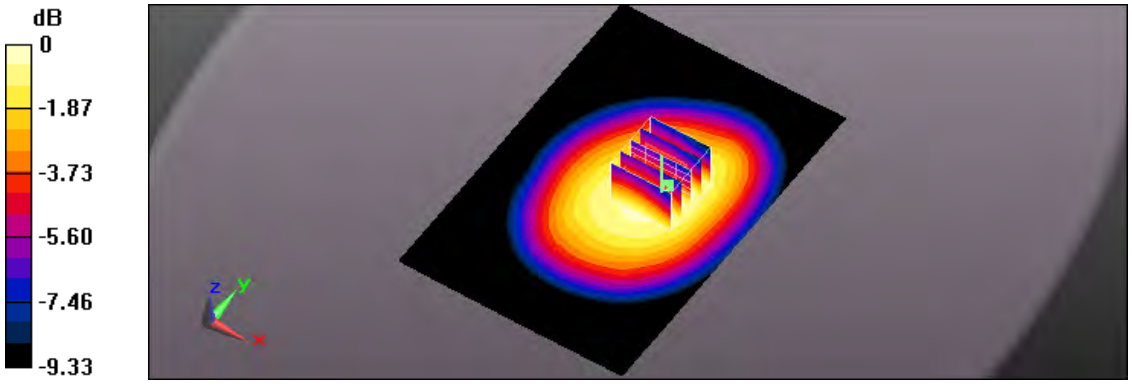
Communication System: UID 0, WCDMA Band V (0); Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 837 MHz; σ = 0.974 S/m; ε_r = 54.858; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(9.83, 9.83, 9.83); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.765 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 27.68 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.854 W/kg
SAR(1 g) = 0.676 W/kg; SAR(10 g) = 0.509 W/kg
Maximum value of SAR (measured) = 0.785 W/kg



0 dB = 0.785 W/kg = -1.05 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/2 AM 09:49:02
101_WCDMA Band V CH4132_RMC12.2K_Side2_10mm_Ant-0
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

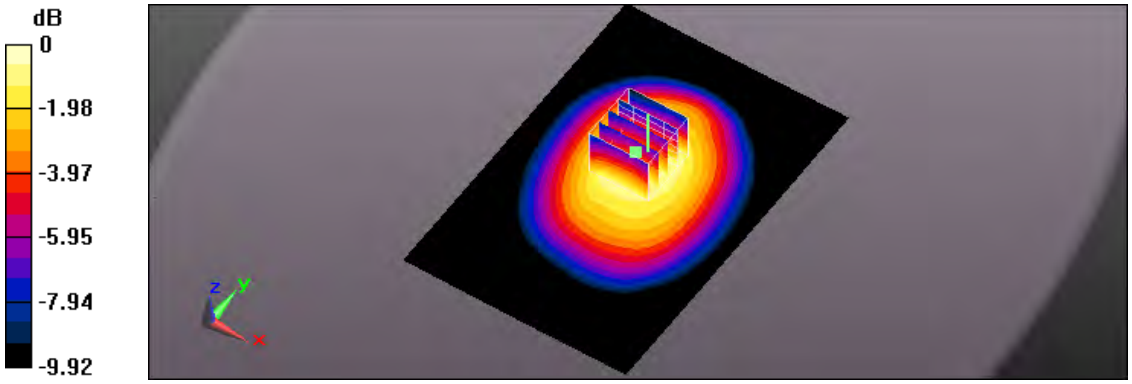
Communication System: UID 0, WCDMA Band V (0); Frequency: 826.4 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 826.4 MHz; σ = 0.959 S/m; ε_r = 54.942; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(9.83, 9.83, 9.83); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.07 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 31.66 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.21 W/kg
SAR(1 g) = 0.912 W/kg; SAR(10 g) = 0.675 W/kg
Maximum value of SAR (measured) = 1.08 W/kg



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

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/2 AM 09:19:05
102_WCDMA Band V CH4183_RMC12.2K_Side2_10mm_Ant-0
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

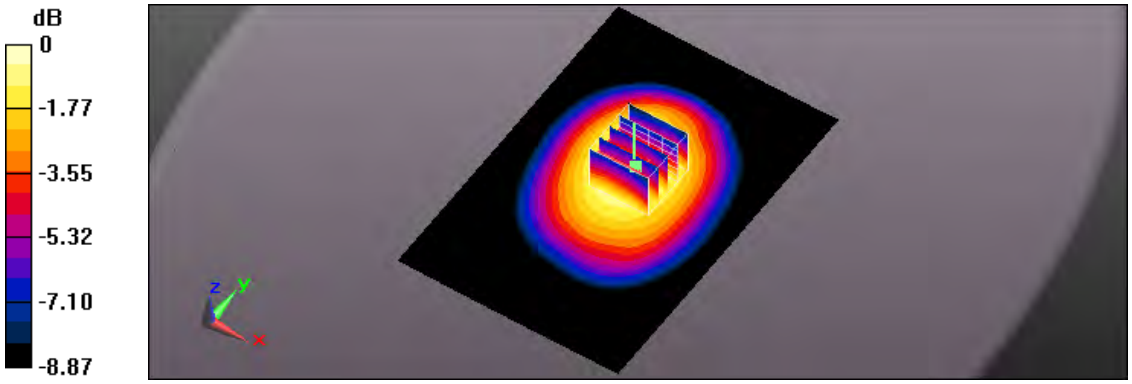
Communication System: UID 0, WCDMA Band V (0); Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 837 MHz; σ = 0.974 S/m; ε_r = 54.858; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(9.83, 9.83, 9.83); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.960 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 30.19 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 1.04 W/kg
SAR(1 g) = 0.805 W/kg; SAR(10 g) = 0.595 W/kg
Maximum value of SAR (measured) = 0.951 W/kg



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

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/2 AM 08:58:16
96_WCDMA Band V CH4233_RMC12.2K_Side2_10mm_Ant-0
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

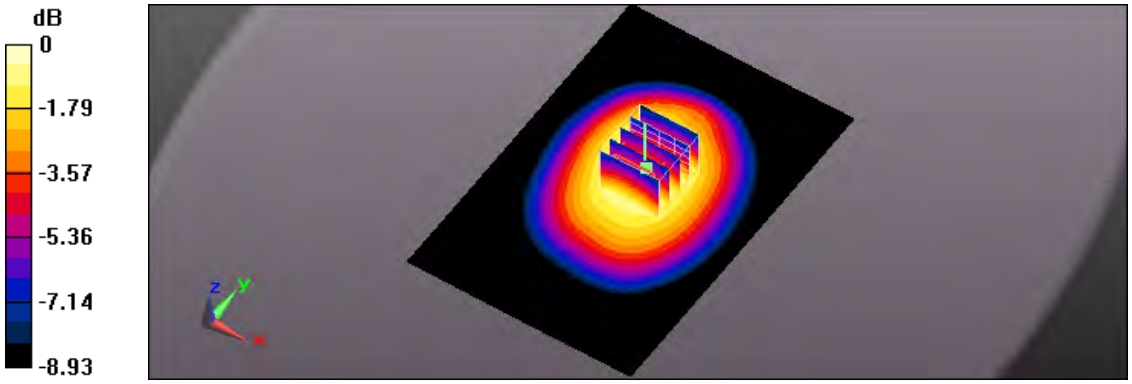
Communication System: UID 0, WCDMA Band V (0); Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 847 MHz; σ = 0.992 S/m; ε_r = 54.901; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(9.83, 9.83, 9.83); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.914 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 29.62 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 1.00 W/kg
SAR(1 g) = 0.775 W/kg; SAR(10 g) = 0.577 W/kg
Maximum value of SAR (measured) = 0.908 W/kg



0 dB = 0.908 W/kg = -0.42 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/2 AM 08:37:17
97_WCDMA Band V CH4183_RMC12.2K_Side3_10mm_Ant-0
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

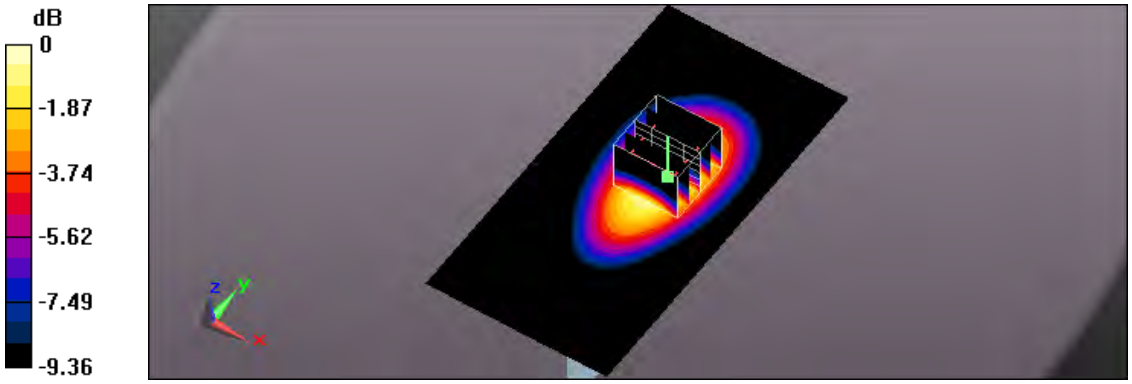
Communication System: UID 0, WCDMA Band V (0); Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 837 MHz; σ = 0.974 S/m; ε_r = 54.858; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(9.83, 9.83, 9.83); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.534 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.90 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.616 W/kg
SAR(1 g) = 0.452 W/kg; SAR(10 g) = 0.317 W/kg
Maximum value of SAR (measured) = 0.551 W/kg



0 dB = 0.551 W/kg = -2.59 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/2 AM 08:18:32
98_WCDMA Band V CH4183_RMC12.2K_Side4_10mm_Ant-0
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

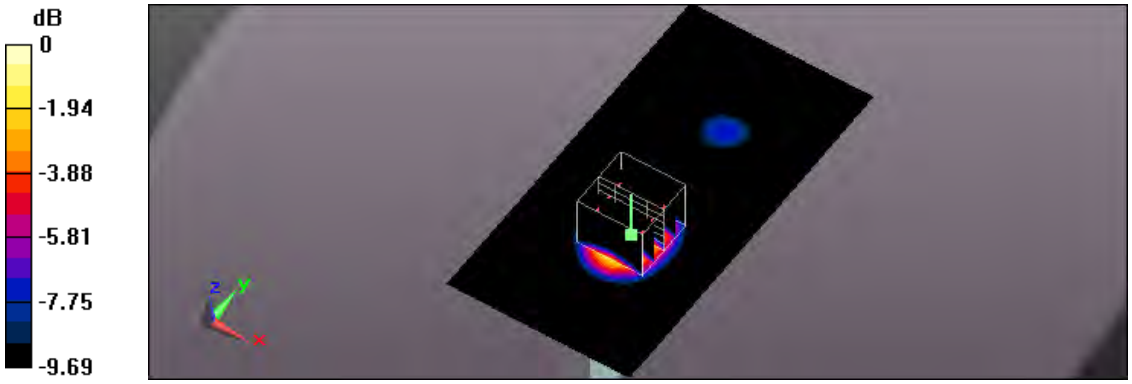
Communication System: UID 0, WCDMA Band V (0); Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 837 MHz; σ = 0.974 S/m; ε_r = 54.858; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(9.83, 9.83, 9.83); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.576 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 24.19 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.670 W/kg
SAR(1 g) = 0.491 W/kg; SAR(10 g) = 0.342 W/kg
Maximum value of SAR (measured) = 0.593 W/kg



0 dB = 0.593 W/kg = -2.27 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/2 AM 07:10:28
100_WCDMA Band V CH4183_RMC12.2K_Side6_10mm_Ant-0
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

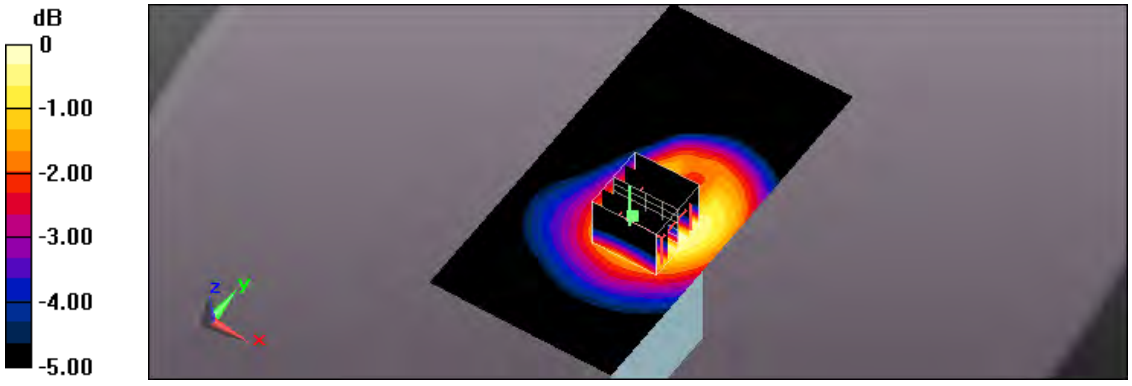
Communication System: UID 0, WCDMA Band V (0); Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 837 MHz; σ = 0.974 S/m; ε_r = 54.858; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(9.83, 9.83, 9.83); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.0845 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.097 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.102 W/kg
SAR(1 g) = 0.069 W/kg; SAR(10 g) = 0.048 W/kg
Maximum value of SAR (measured) = 0.0860 W/kg



0 dB = 0.0860 W/kg = -10.66 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/3/31 PM 04:59:42
53_WCDMA Band II CH9262_RMC12.2K_Side1_10mm_Ant-1
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

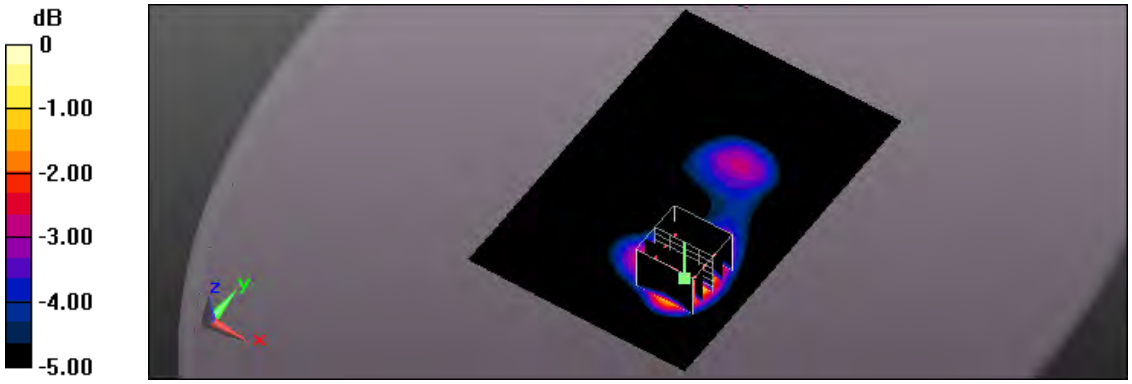
Communication System: UID 0, WCDMA Band II (0); Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1852.4 MHz; σ = 1.53 S/m; ε_r = 52.184; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(7.92, 7.92, 7.92); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.930 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.44 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 1.11 W/kg
SAR(1 g) = 0.655 W/kg; SAR(10 g) = 0.376 W/kg
Maximum value of SAR (measured) = 0.875 W/kg



0 dB = 0.875 W/kg = -0.58 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/3/31 PM 04:24:38
43_WCDMA Band II CH9400_RMC12.2K_Side1_10mm_Ant-1
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

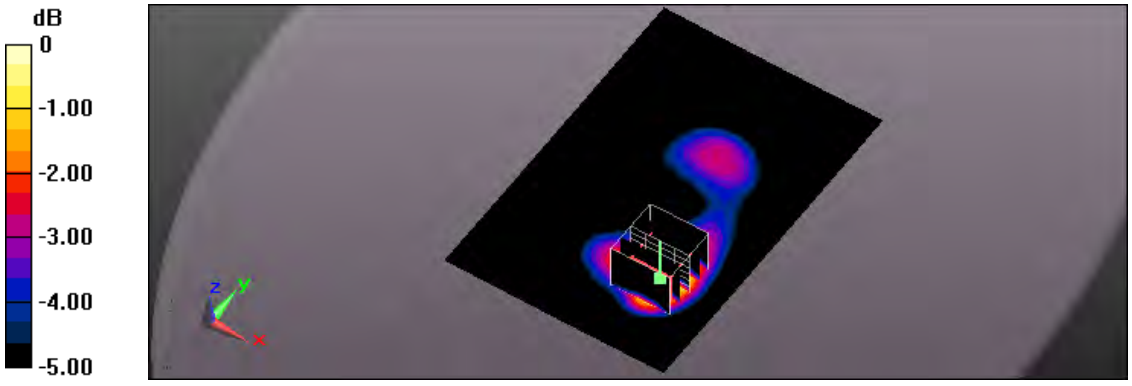
Communication System: UID 0, WCDMA Band II (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.564 S/m; ε_r = 52.223; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(7.92, 7.92, 7.92); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.15 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.52 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 1.37 W/kg
SAR(1 g) = 0.810 W/kg; SAR(10 g) = 0.470 W/kg
Maximum value of SAR (measured) = 1.07 W/kg



0 dB = 1.07 W/kg = 0.29 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/3/31 PM 05:27:27
54_WCDMA Band II CH9538_RMC12.2K_Side1_10mm_Ant-1
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

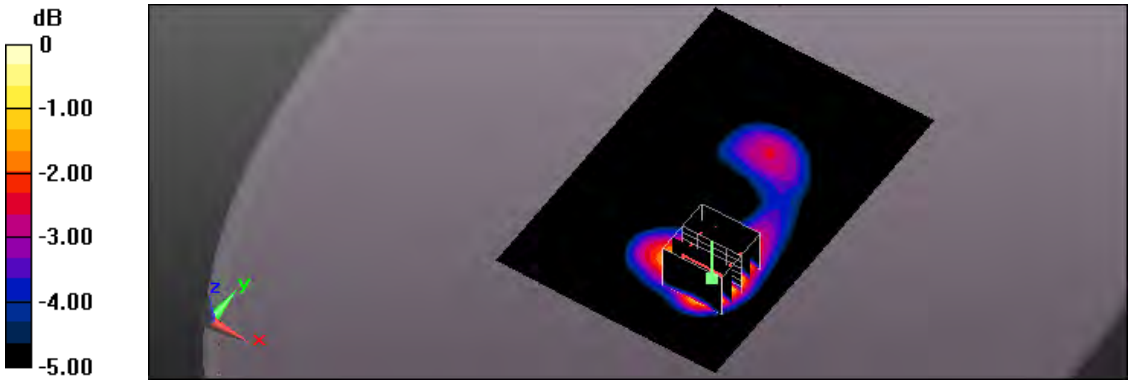
Communication System: UID 0, WCDMA Band II (0); Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1908 MHz; σ = 1.588 S/m; ε_r = 52.073; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(7.92, 7.92, 7.92); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.04 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.944 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 1.24 W/kg
SAR(1 g) = 0.731 W/kg; SAR(10 g) = 0.428 W/kg
Maximum value of SAR (measured) = 0.976 W/kg



0 dB = 0.976 W/kg = -0.11 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/3/31 PM 03:30:15
49_WCDMA Band II CH9262_RMC12.2K_Side2_10mm_Ant-1
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

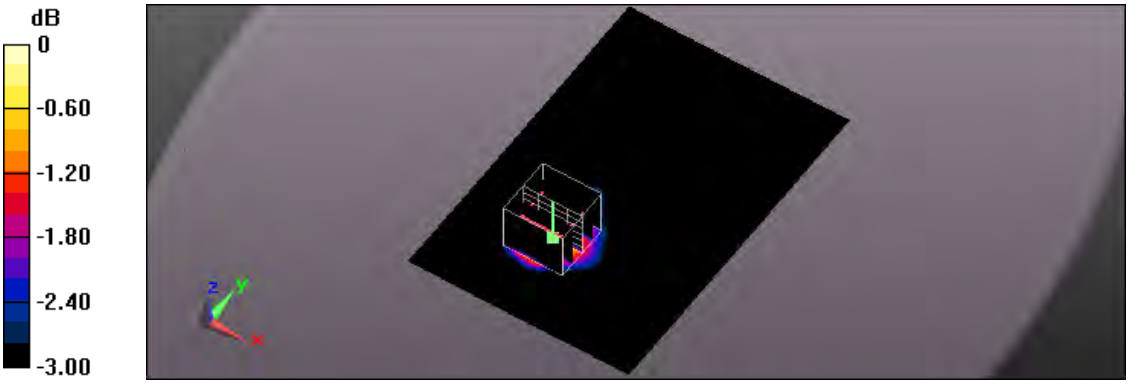
Communication System: UID 0, WCDMA Band II (0); Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1852.4 MHz; σ = 1.53 S/m; ε_r = 52.184; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(7.92, 7.92, 7.92); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.997 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.16 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 1.18 W/kg
SAR(1 g) = 0.735 W/kg; SAR(10 g) = 0.442 W/kg
Maximum value of SAR (measured) = 0.954 W/kg



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

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/3/31 PM 03:10:01
44_WCDMA Band II CH9400_RMC12.2K_Side2_10mm_Ant-1
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

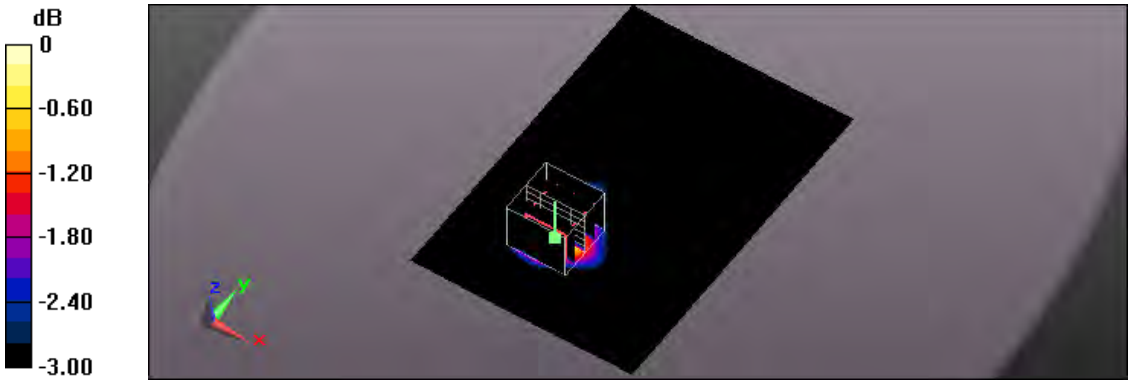
Communication System: UID 0, WCDMA Band II (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.564 S/m; ε_r = 52.223; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(7.92, 7.92, 7.92); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.25 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.80 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 1.45 W/kg
SAR(1 g) = 0.903 W/kg; SAR(10 g) = 0.544 W/kg
Maximum value of SAR (measured) = 1.18 W/kg



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

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/3/31 PM 03:49:55
50_WCDMA Band II CH9538_RMC12.2K_Side2_10mm_Ant-1
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

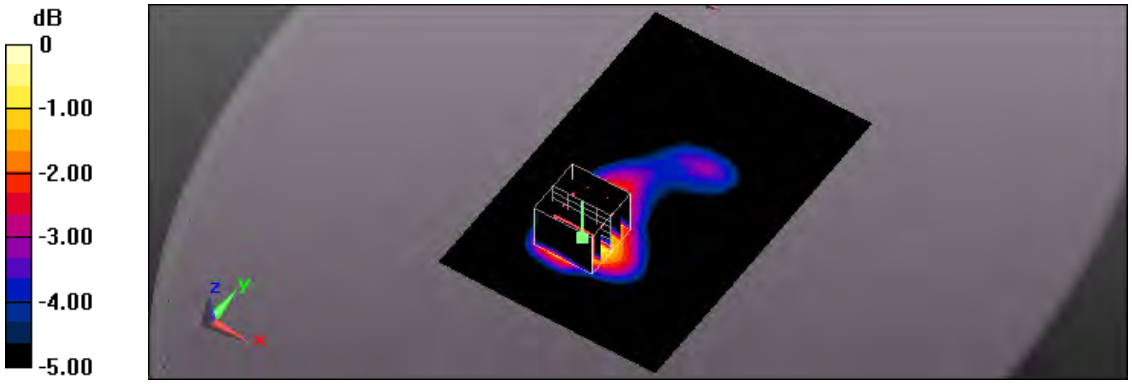
Communication System: UID 0, WCDMA Band II (0); Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1908 MHz; σ = 1.588 S/m; ε_r = 52.073; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(7.92, 7.92, 7.92); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.22 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.38 V/m; Power Drift = 0.19 dB
Peak SAR (extrapolated) = 1.42 W/kg
SAR(1 g) = 0.880 W/kg; SAR(10 g) = 0.533 W/kg
Maximum value of SAR (measured) = 1.16 W/kg



0 dB = 1.16 W/kg = 0.64 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/3/31 PM 02:47:02
45_WCDMA Band II CH9400_RMC12.2K_Side3_10mm_Ant-1
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

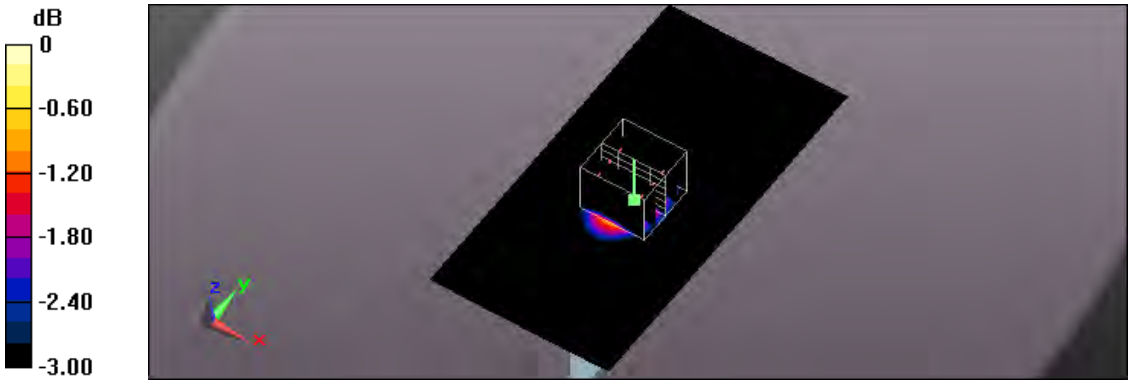
Communication System: UID 0, WCDMA Band II (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.564 S/m; ε_r = 52.223; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(7.92, 7.92, 7.92); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.134 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.966 V/m; Power Drift = 0.19 dB
Peak SAR (extrapolated) = 0.161 W/kg
SAR(1 g) = 0.099 W/kg; SAR(10 g) = 0.059 W/kg
Maximum value of SAR (measured) = 0.131 W/kg



0 dB = 0.131 W/kg = -8.83 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/3/31 PM 01:53:17
51_WCDMA Band II CH9262_RMC12.2K_Side4_10mm_Ant-1
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

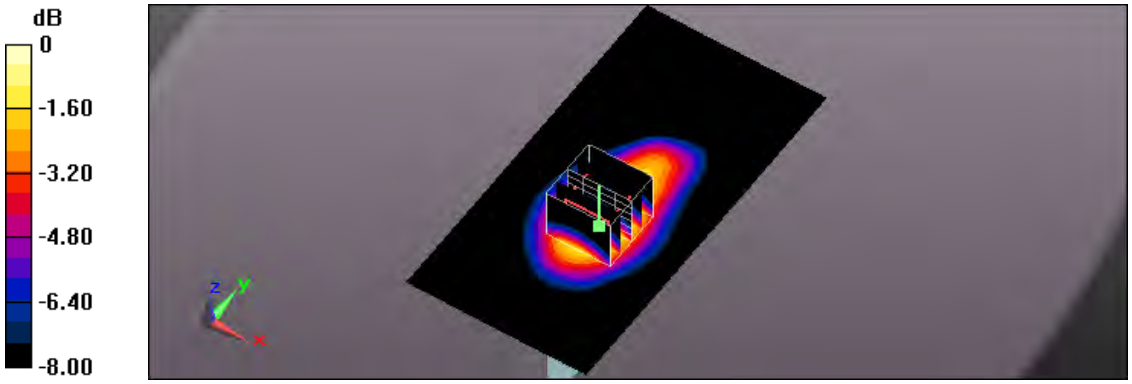
Communication System: UID 0, WCDMA Band II (0); Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1852.4 MHz; σ = 1.53 S/m; ε_r = 52.184; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(7.92, 7.92, 7.92); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.867 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.22 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 1.04 W/kg
SAR(1 g) = 0.646 W/kg; SAR(10 g) = 0.388 W/kg
Maximum value of SAR (measured) = 0.849 W/kg



0 dB = 0.849 W/kg = -0.71 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/3/31 PM 01:34:13
46_WCDMA Band II CH9400_RMC12.2K_Side4_10mm_Ant-1
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

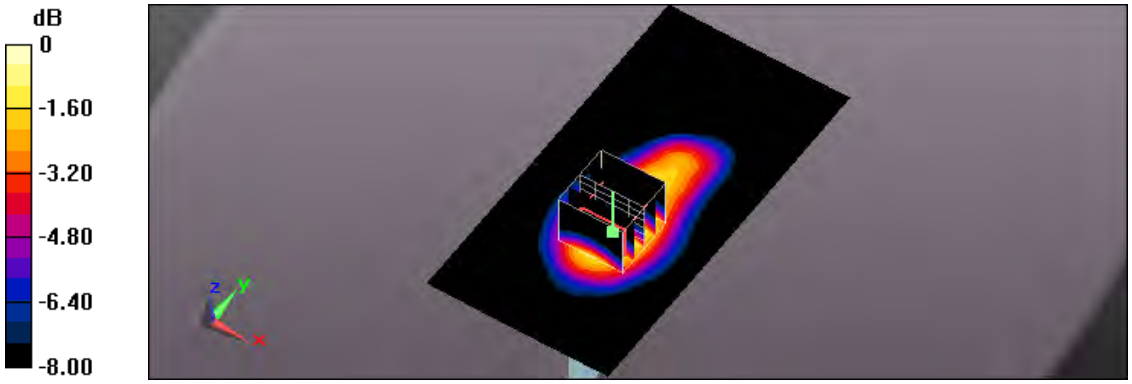
Communication System: UID 0, WCDMA Band II (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.564 S/m; ε_r = 52.223; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(7.92, 7.92, 7.92); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.16 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.36 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.34 W/kg
SAR(1 g) = 0.824 W/kg; SAR(10 g) = 0.491 W/kg
Maximum value of SAR (measured) = 1.09 W/kg



0 dB = 1.09 W/kg = 0.37 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/3/31 PM 02:10:31
52_WCDMA Band II CH9538_RMC12.2K_Side4_10mm_Ant-1
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

Communication System: UID 0, WCDMA Band II (0); Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1908 MHz; σ = 1.588 S/m; ε_r = 52.073; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

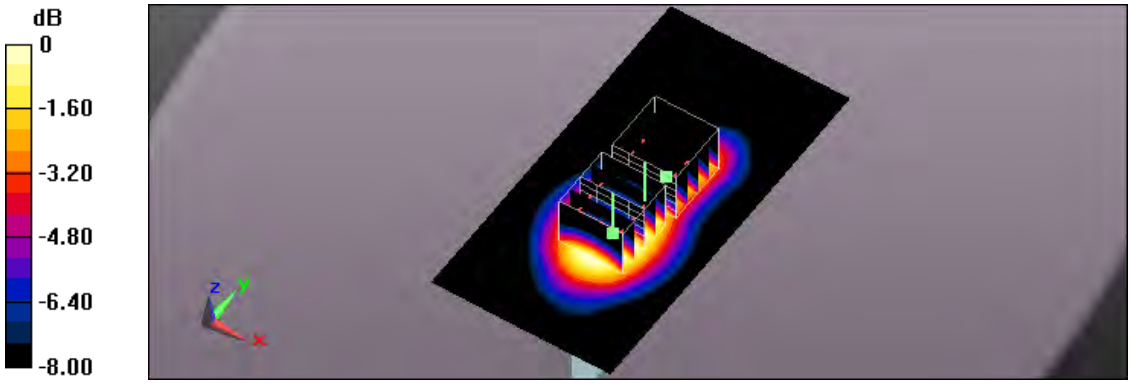
DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(7.92, 7.92, 7.92); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.06 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.82 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.30 W/kg
SAR(1 g) = 0.793 W/kg; SAR(10 g) = 0.469 W/kg
Maximum value of SAR (measured) = 1.06 W/kg

Flat/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.82 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.941 W/kg
SAR(1 g) = 0.543 W/kg; SAR(10 g) = 0.313 W/kg
Maximum value of SAR (measured) = 0.754 W/kg



0 dB = 0.754 W/kg = -1.23 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/3/31 AM 11:52:41
47_WCDMA Band II CH9400_RMC12.2K_Side5_10mm_Ant-1
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

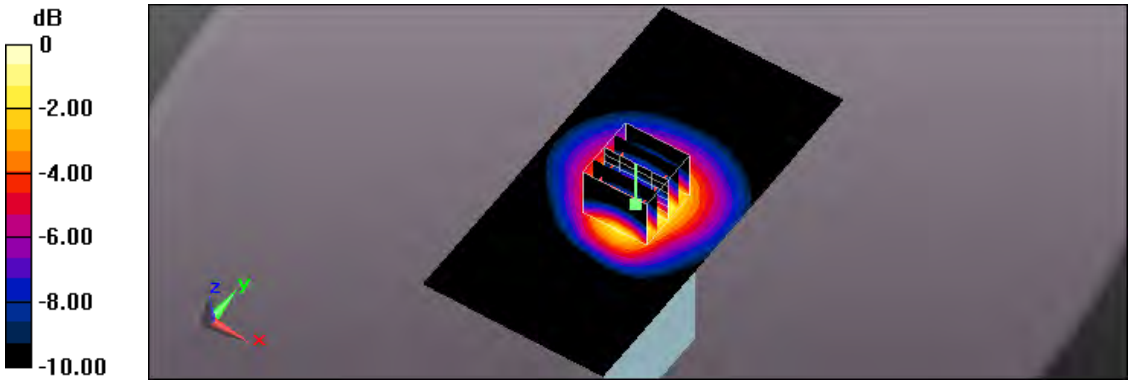
Communication System: UID 0, WCDMA Band II (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.564 S/m; ε_r = 52.223; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(7.92, 7.92, 7.92); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.741 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.70 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 0.877 W/kg
SAR(1 g) = 0.550 W/kg; SAR(10 g) = 0.329 W/kg
Maximum value of SAR (measured) = 0.716 W/kg



0 dB = 0.716 W/kg = -1.45 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/2 AM 11:08:06
104_WCDMA Band V CH4183_RMC12.2K_Side1_10mm_Ant-1
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

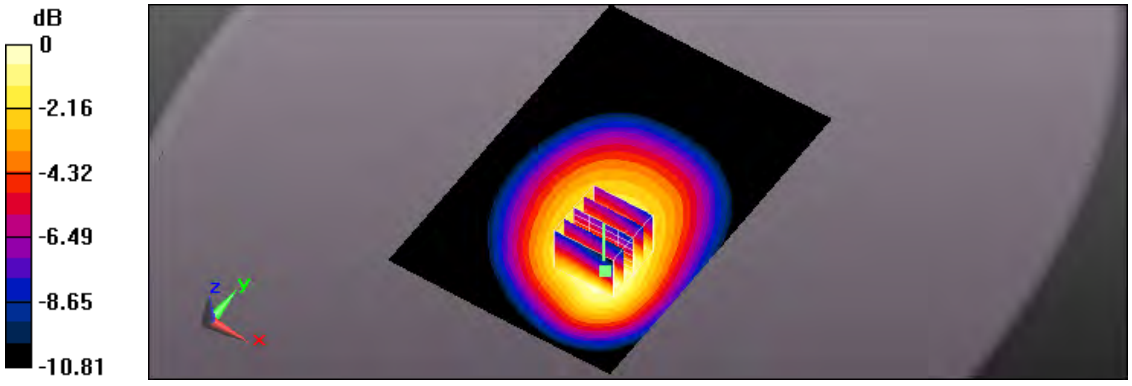
Communication System: UID 0, WCDMA Band V (0); Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 837 MHz; σ = 0.974 S/m; ε_r = 54.858; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(9.83, 9.83, 9.83); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.875 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.72 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.997 W/kg
SAR(1 g) = 0.730 W/kg; SAR(10 g) = 0.532 W/kg
Maximum value of SAR (measured) = 0.869 W/kg



0 dB = 0.869 W/kg = -0.61 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/2 AM 11:47:38
105_WCDMA Band V CH4132_RMC12.2K_Side2_10mm_Ant-1
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

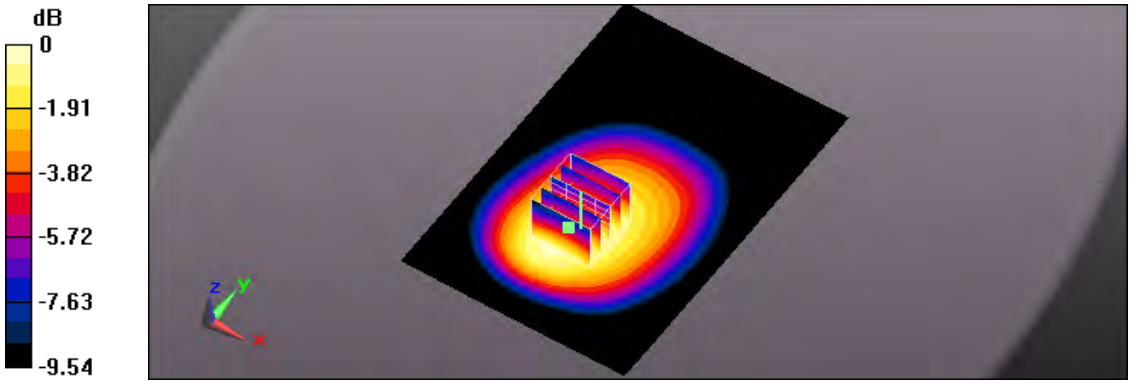
Communication System: UID 0, WCDMA Band V (0); Frequency: 826.4 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 826.4 MHz; σ = 0.959 S/m; ε_r = 54.942; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(9.83, 9.83, 9.83); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.32 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 30.95 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 1.45 W/kg
SAR(1 g) = 1.11 W/kg; SAR(10 g) = 0.817 W/kg
Maximum value of SAR (measured) = 1.29 W/kg



0 dB = 1.29 W/kg = 1.11 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/2 PM 12:26:08
110_WCDMA Band V CH4183_RMC12.2K_Side2_10mm_Ant-1
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

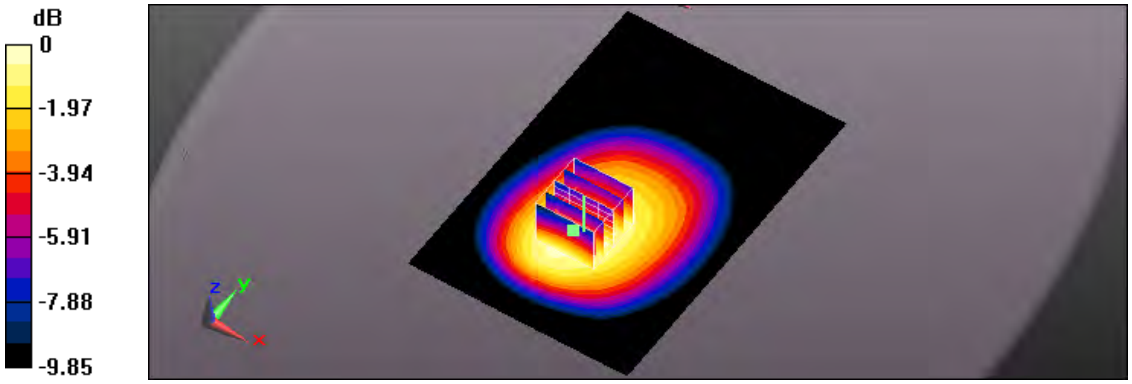
Communication System: UID 0, WCDMA Band V (0); Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 837 MHz; σ = 0.974 S/m; ε_r = 54.858; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(9.83, 9.83, 9.83); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.27 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 24.34 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 1.40 W/kg
SAR(1 g) = 1.07 W/kg; SAR(10 g) = 0.790 W/kg
Maximum value of SAR (measured) = 1.25 W/kg



0 dB = 1.25 W/kg = 0.97 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/2 PM 12:46:20
111_WCDMA Band V CH4233_RMC12.2K_Side2_10mm_Ant-1
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

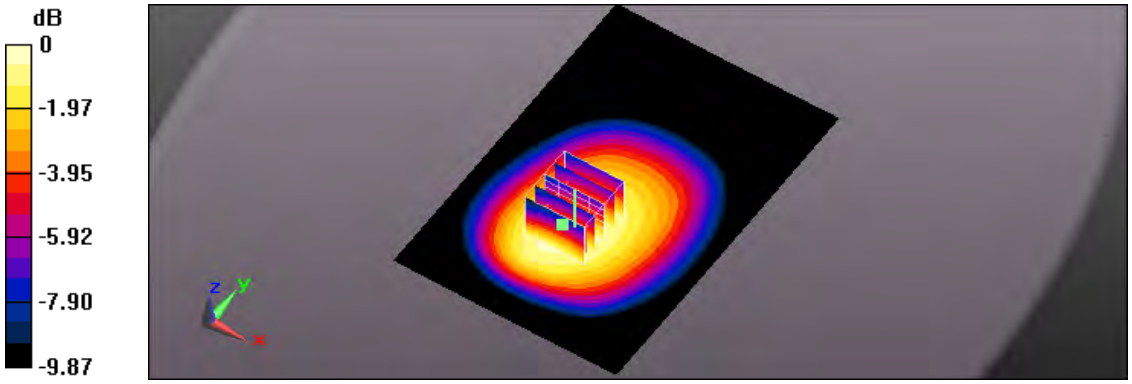
Communication System: UID 0, WCDMA Band V (0); Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 847 MHz; σ = 0.992 S/m; ε_r = 54.901; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(9.83, 9.83, 9.83); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.37 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 31.84 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 1.53 W/kg
SAR(1 g) = 1.17 W/kg; SAR(10 g) = 0.865 W/kg
Maximum value of SAR (measured) = 1.37 W/kg



0 dB = 1.37 W/kg = 1.37 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/2 PM 01:36:05
106_WCDMA Band V CH4183_RMC12.2K_Side3_10mm_Ant-1
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

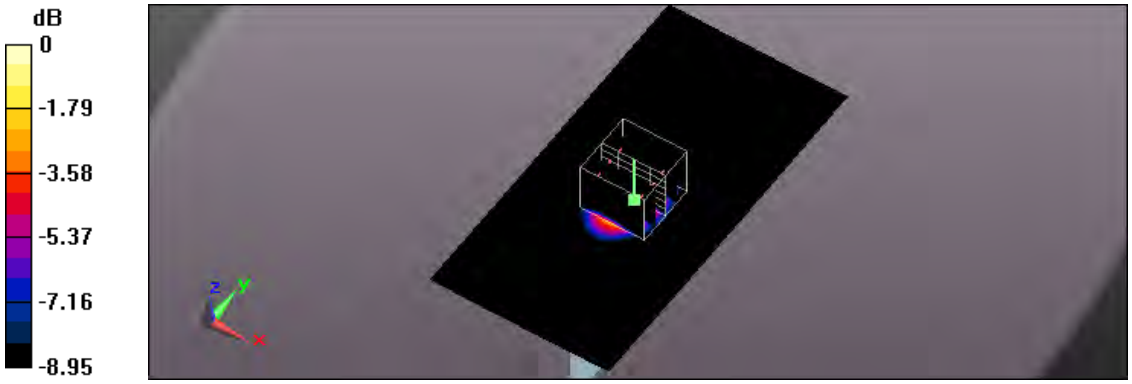
Communication System: UID 0, WCDMA Band V (0); Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 837 MHz; σ = 0.974 S/m; ε_r = 54.858; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(9.83, 9.83, 9.83); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.398 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.49 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.452 W/kg
SAR(1 g) = 0.333 W/kg; SAR(10 g) = 0.235 W/kg
Maximum value of SAR (measured) = 0.402 W/kg



0 dB = 0.402 W/kg = -3.96 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/2 PM 01:55:53
107_WCDMA Band V CH4183_RMC12.2K_Side4_10mm_Ant-1
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

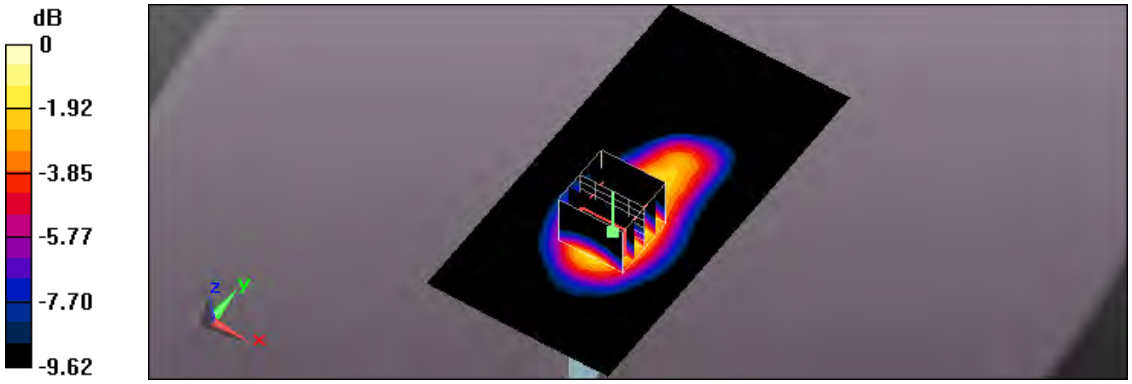
Communication System: UID 0, WCDMA Band V (0); Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 837 MHz; σ = 0.974 S/m; ε_r = 54.858; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(9.83, 9.83, 9.83); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.798 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 28.12 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 0.890 W/kg
SAR(1 g) = 0.658 W/kg; SAR(10 g) = 0.462 W/kg
Maximum value of SAR (measured) = 0.792 W/kg



0 dB = 0.792 W/kg = -1.01 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/2 PM 02:16:24
108_WCDMA Band V CH4183_RMC12.2K_Side5_10mm_Ant-1
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

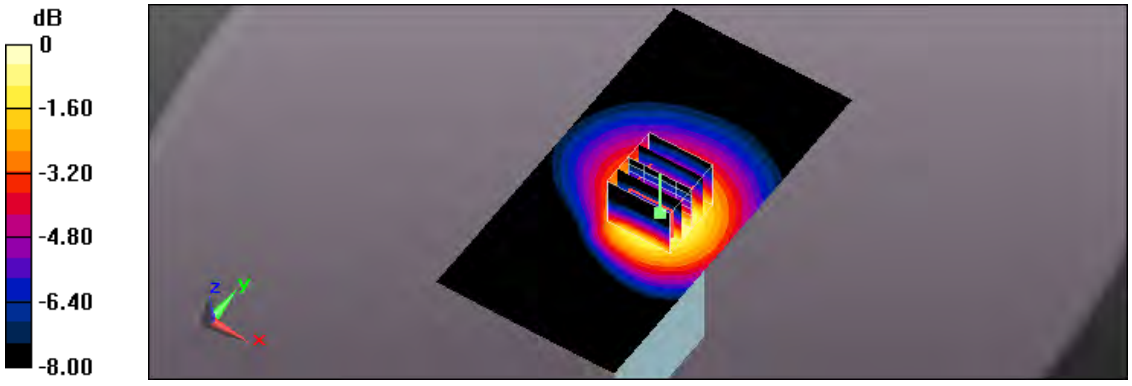
Communication System: UID 0, WCDMA Band V (0); Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 837 MHz; σ = 0.974 S/m; ε_r = 54.858; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(9.83, 9.83, 9.83); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.184 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.00 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 0.209 W/kg
SAR(1 g) = 0.153 W/kg; SAR(10 g) = 0.107 W/kg
Maximum value of SAR (measured) = 0.185 W/kg



0 dB = 0.185 W/kg = -7.33 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/3/31 PM 07:50:05
34_WCDMA Band II CH9538_RMC12.2K_Side2_10mm_Ant-0_original 36_measurement once
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

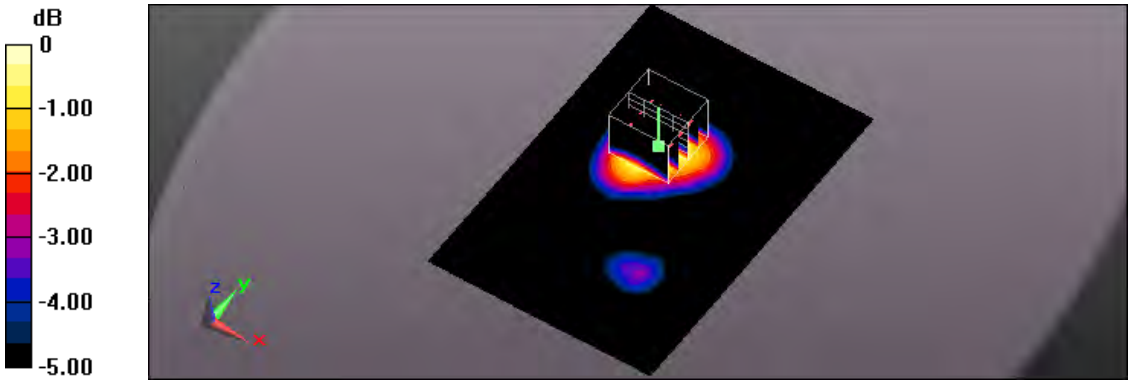
Communication System: UID 0, WCDMA Band II (0); Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1908 MHz; σ = 1.588 S/m; ε_r = 52.073; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(7.92, 7.92, 7.92); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.37 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.62 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 1.60 W/kg
SAR(1 g) = 0.999 W/kg; SAR(10 g) = 0.620 W/kg
Maximum value of SAR (measured) = 1.31 W/kg



0 dB = 1.31 W/kg = 1.17 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/3 PM 12:51:33
19_WCDMA Band IV CH1513_RMC12.2K_Side2_10mm_original 114_measurement once
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

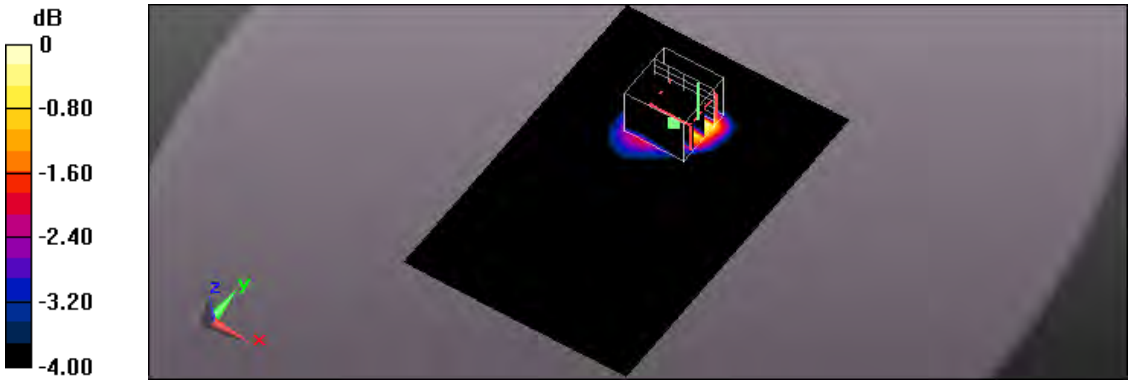
Communication System: UID 0, WCDMA Band IV (0); Frequency: 1752.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1753 MHz; σ = 1.533 S/m; ε_r = 52.383; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(8.22, 8.22, 8.22); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.74 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.55 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 2.44 W/kg
SAR(1 g) = 1.37 W/kg; SAR(10 g) = 0.767 W/kg
Maximum value of SAR (measured) = 1.80 W/kg



0 dB = 1.80 W/kg = 2.55 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/2 AM 10:12:08
103_WCDMA Band V CH4132_RMC12.2K_Side2_10mm_Ant-0_original 101_measurement once
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

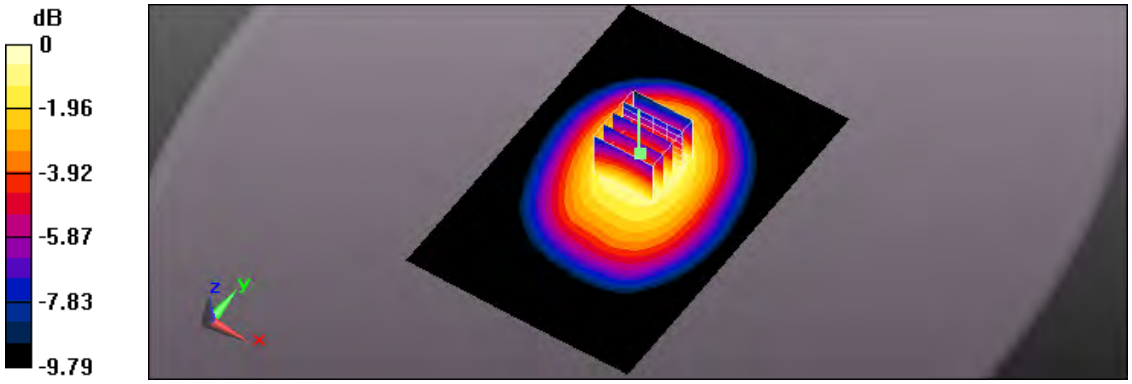
Communication System: UID 0, WCDMA Band V (0); Frequency: 826.4 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 826.4 MHz; σ = 0.959 S/m; ε_r = 54.942; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(9.83, 9.83, 9.83); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.06 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 31.84 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.22 W/kg
SAR(1 g) = 0.912 W/kg; SAR(10 g) = 0.672 W/kg
Maximum value of SAR (measured) = 1.07 W/kg



0 dB = 1.07 W/kg = 0.29 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/3/31 PM 05:56:07
55_WCDMA Band II CH9400_RMC12.2K_Side2_10mm_Ant-1_original 44_measurement once
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

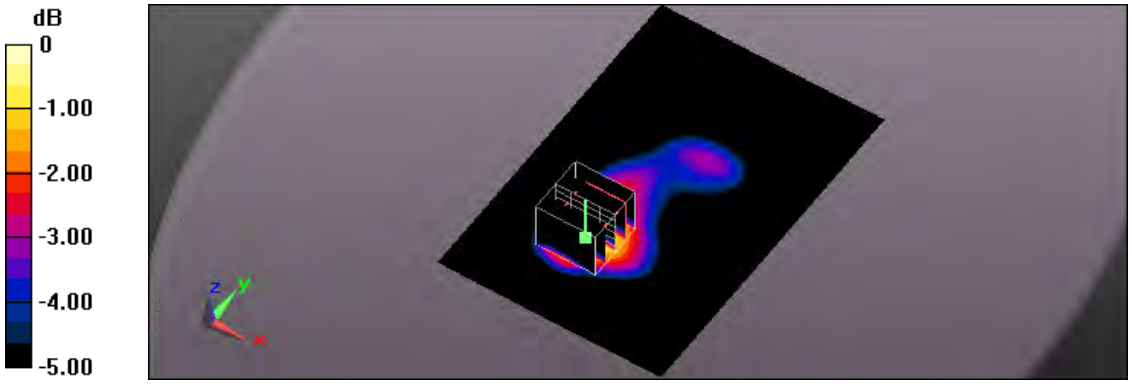
Communication System: UID 0, WCDMA Band II (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.564 S/m; ε_r = 52.223; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(7.92, 7.92, 7.92); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.12 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.95 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 1.34 W/kg
SAR(1 g) = 0.828 W/kg; SAR(10 g) = 0.499 W/kg
Maximum value of SAR (measured) = 1.09 W/kg



0 dB = 1.09 W/kg = 0.37 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/2 PM 01:09:56
112_WCDMA Band V CH4233_RMC12.2K_Side2_10mm_Ant-1_original 111_measurement once
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

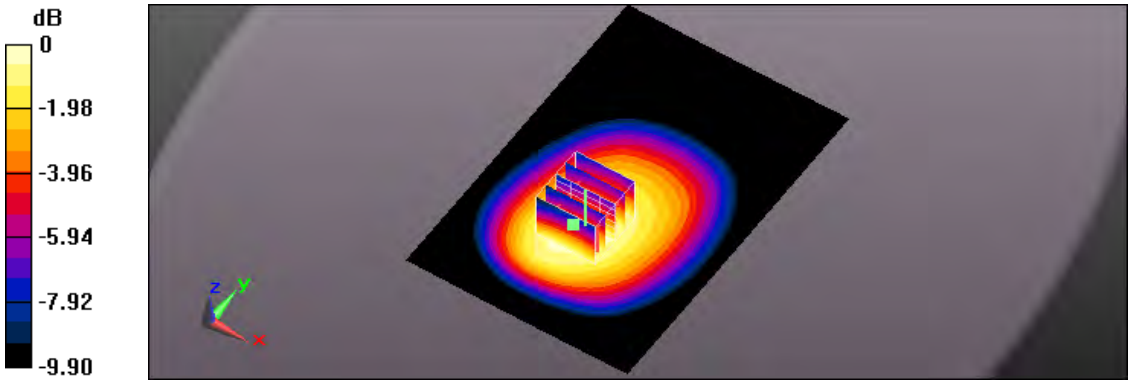
Communication System: UID 0, WCDMA Band V (0); Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 847 MHz; σ = 0.992 S/m; ε_r = 54.901; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(9.83, 9.83, 9.83); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.38 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 32.16 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 1.54 W/kg
SAR(1 g) = 1.18 W/kg; SAR(10 g) = 0.868 W/kg
Maximum value of SAR (measured) = 1.38 W/kg



0 dB = 1.38 W/kg = 1.40 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/3/31 PM 09:07:45
56_LTE Band 2 CH19100_QPSK_BW 20MHz_1 RB size 99 RB offset_Side1_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

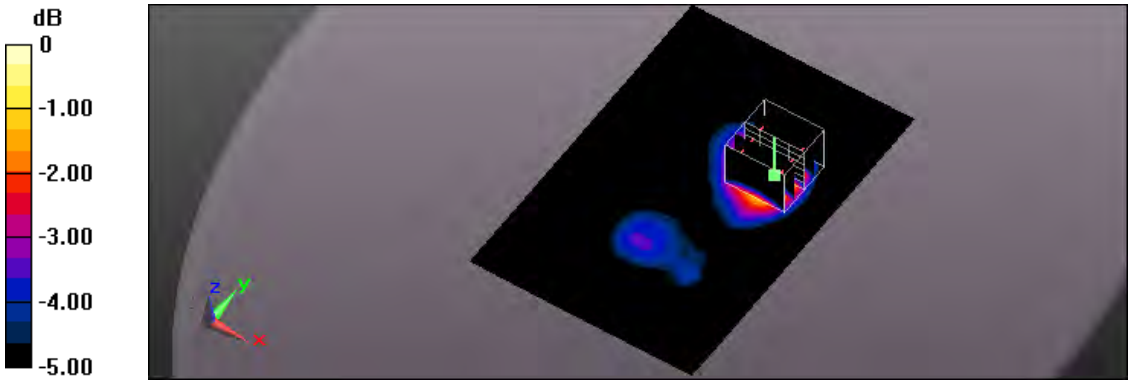
Communication System: UID 0, Generic LTE (0); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.583 S/m; ε_r = 52.147; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(7.92, 7.92, 7.92); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.05 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.67 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 1.24 W/kg
SAR(1 g) = 0.741 W/kg; SAR(10 g) = 0.429 W/kg
Maximum value of SAR (measured) = 1.01 W/kg



0 dB = 1.01 W/kg = 0.04 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/1 AM 01:40:25
59_LTE Band 2 CH18700_QPSK_BW 20MHz_1 RB size 49 RB offset_Side2_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

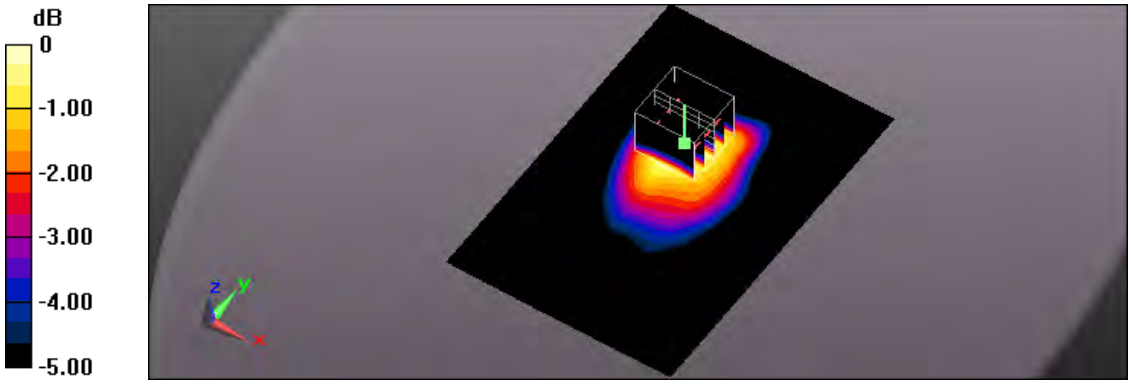
Communication System: UID 0, Generic LTE (0); Frequency: 1860 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1860 MHz; σ = 1.541 S/m; ε_r = 52.179; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(7.92, 7.92, 7.92); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.02 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.44 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.16 W/kg
SAR(1 g) = 0.727 W/kg; SAR(10 g) = 0.455 W/kg
Maximum value of SAR (measured) = 0.934 W/kg



0 dB = 0.934 W/kg = -0.30 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/1 AM 01:20:01
60_LTE Band 2 CH18900_QPSK_BW 20MHz_1 RB size 99 RB offset_Side2_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

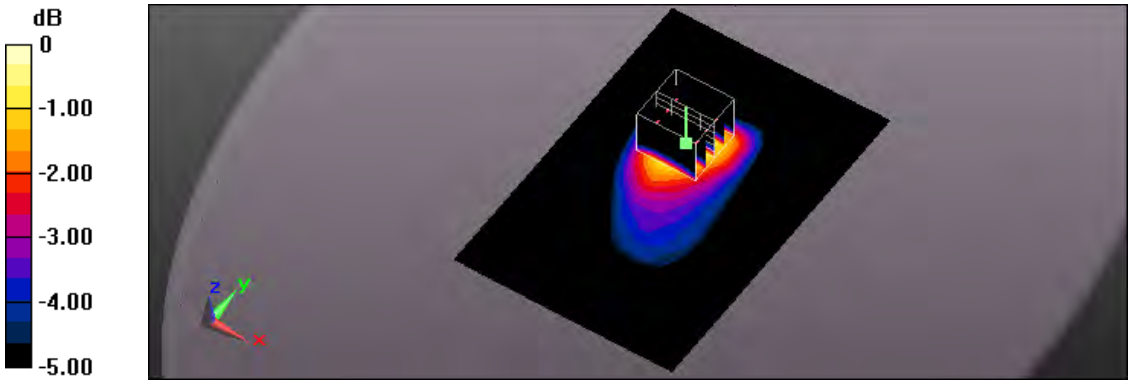
Communication System: UID 0, Generic LTE (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.564 S/m; ε_r = 52.223; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(7.92, 7.92, 7.92); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.927 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.73 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.16 W/kg
SAR(1 g) = 0.707 W/kg; SAR(10 g) = 0.429 W/kg
Maximum value of SAR (measured) = 0.926 W/kg



0 dB = 0.926 W/kg = -0.33 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/1 AM 12:49:35
58_LTE Band 2 CH19100_QPSK_BW 20MHz_1 RB size 99 RB offset_Side2_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

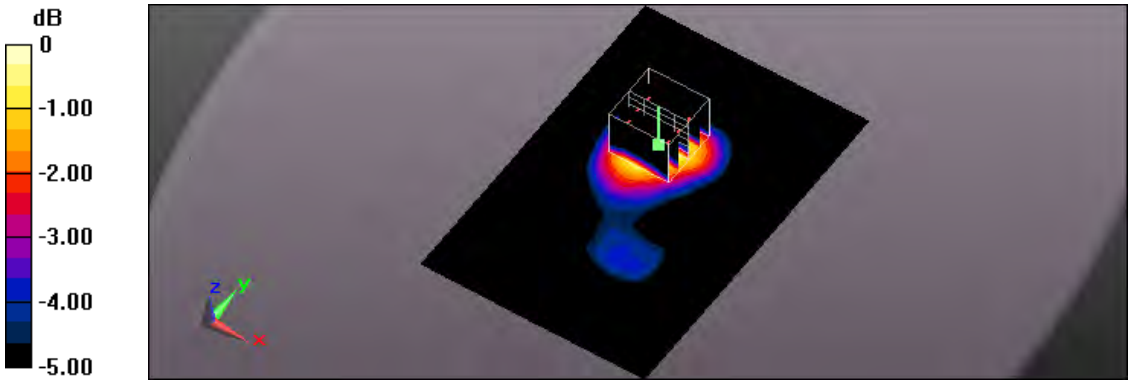
Communication System: UID 0, Generic LTE (0); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.583 S/m; ε_r = 52.147; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(7.92, 7.92, 7.92); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.15 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.57 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 1.36 W/kg
SAR(1 g) = 0.828 W/kg; SAR(10 g) = 0.499 W/kg
Maximum value of SAR (measured) = 1.07 W/kg



0 dB = 1.07 W/kg = 0.29 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/1 AM 02:30:56
62_LTE Band 2 CH19100_QPSK_BW 20MHz_1 RB size 99 RB offset_Side3_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

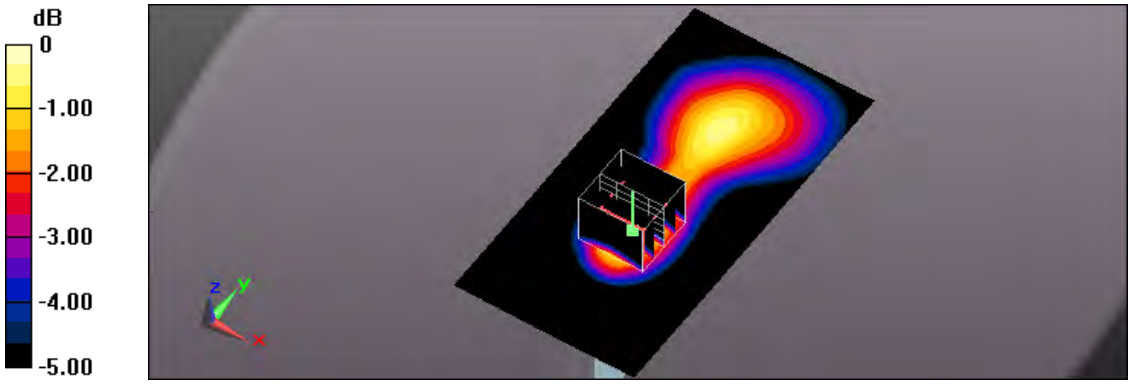
Communication System: UID 0, Generic LTE (0); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.583 S/m; ε_r = 52.147; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(7.92, 7.92, 7.92); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.189 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.563 V/m; Power Drift = 0.18 dB
Peak SAR (extrapolated) = 0.229 W/kg
SAR(1 g) = 0.138 W/kg; SAR(10 g) = 0.083 W/kg
Maximum value of SAR (measured) = 0.184 W/kg



0 dB = 0.184 W/kg = -7.35 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/1 AM 10:02:46
65_LTE Band 2 CH19100_QPSK_BW 20MHz_1 RB size 99 RB offset_Side4_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

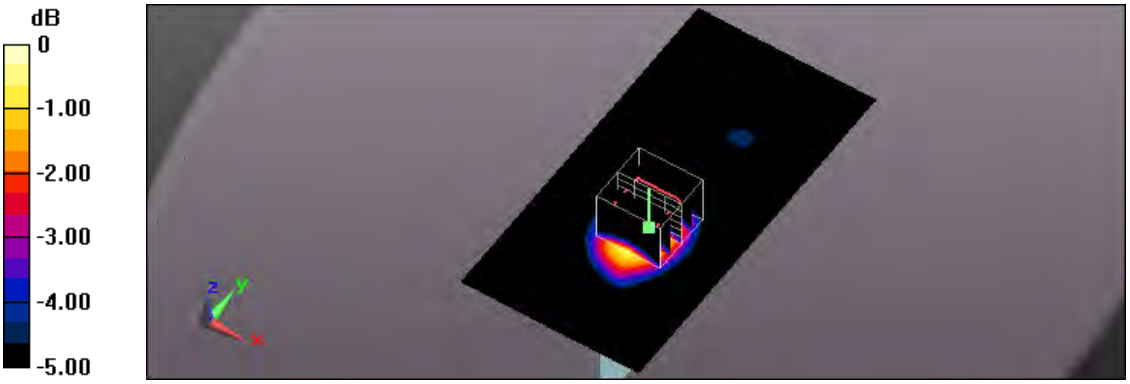
Communication System: UID 0, Generic LTE (0); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.583 S/m; ε_r = 52.147; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(7.92, 7.92, 7.92); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.884 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.48 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.06 W/kg
SAR(1 g) = 0.657 W/kg; SAR(10 g) = 0.391 W/kg
Maximum value of SAR (measured) = 0.852 W/kg



0 dB = 0.852 W/kg = -0.70 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/1 AM 11:48:52
69_LTE Band 2 CH19100_QPSK_BW 20MHz_1 RB size 99 RB offset_Side6_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

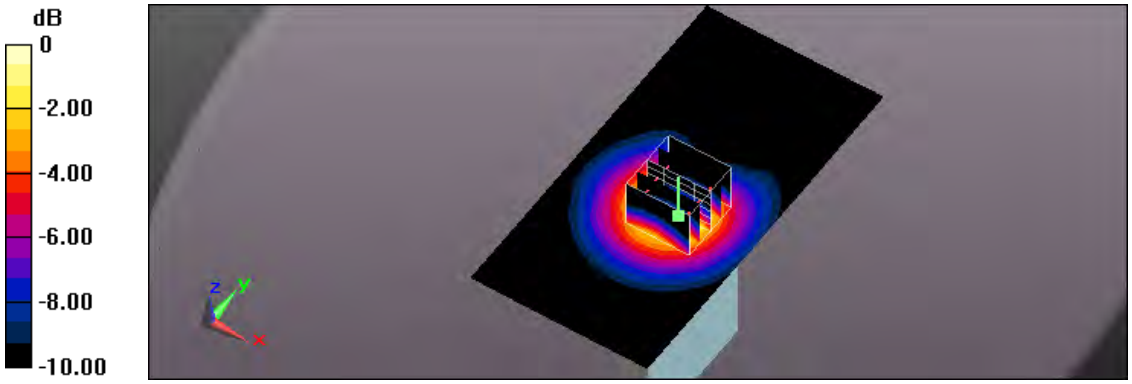
Communication System: UID 0, Generic LTE (0); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.583 S/m; ε_r = 52.147; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(7.92, 7.92, 7.92); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.475 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.75 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.599 W/kg
SAR(1 g) = 0.353 W/kg; SAR(10 g) = 0.198 W/kg
Maximum value of SAR (measured) = 0.485 W/kg



0 dB = 0.485 W/kg = -3.14 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/1 AM 08:14:25
57_LTE Band 2 CH18900_QPSK_BW 20MHz_50 RB size 50 RB offset_Side1_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

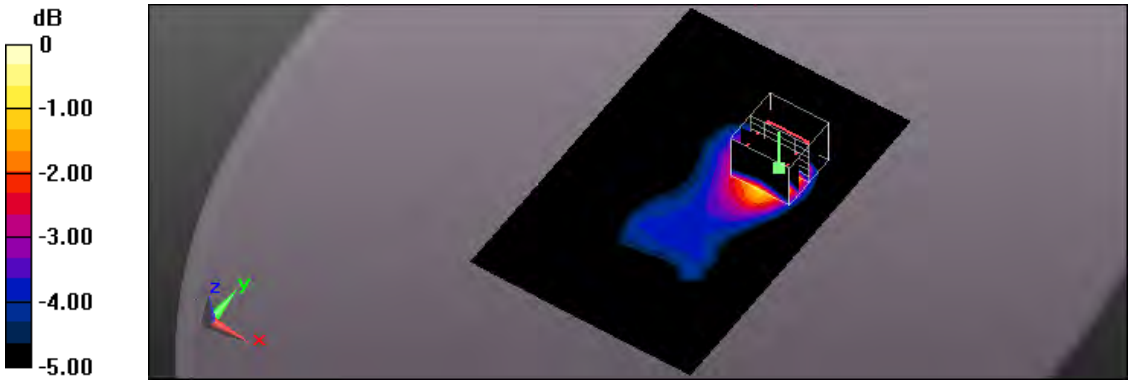
Communication System: UID 0, Generic LTE (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.564 S/m; ε_r = 52.223; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(7.92, 7.92, 7.92); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.656 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.52 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.789 W/kg
SAR(1 g) = 0.478 W/kg; SAR(10 g) = 0.278 W/kg
Maximum value of SAR (measured) = 0.637 W/kg



0 dB = 0.637 W/kg = -1.96 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/1 AM 08:49:42
61_LTE Band 2 CH18900_QPSK_BW 20MHz_50 RB size 50 RB offset_Side2_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

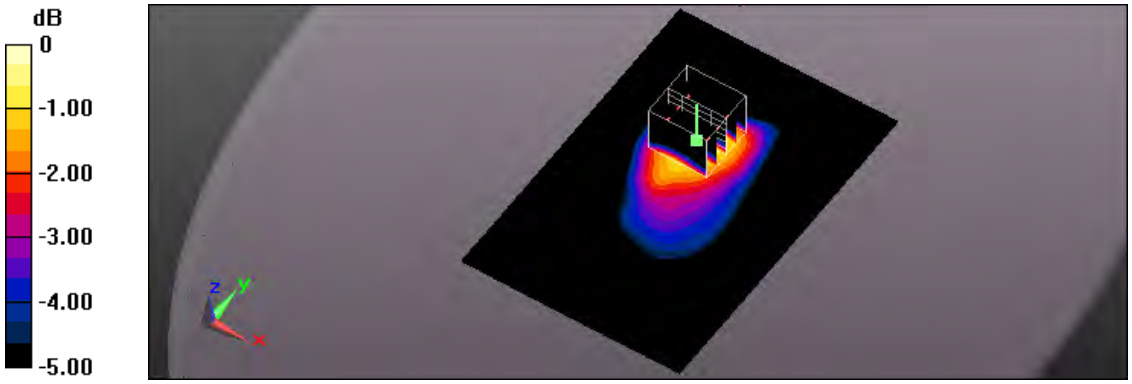
Communication System: UID 0, Generic LTE (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.564 S/m; ε_r = 52.223; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(7.92, 7.92, 7.92); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.725 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.29 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 0.897 W/kg
SAR(1 g) = 0.529 W/kg; SAR(10 g) = 0.324 W/kg
Maximum value of SAR (measured) = 0.701 W/kg



0 dB = 0.701 W/kg = -1.54 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/1 AM 02:51:26
63_LTE Band 2 CH18900_QPSK_BW 20MHz_50 RB size 50 RB offset_Side3_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

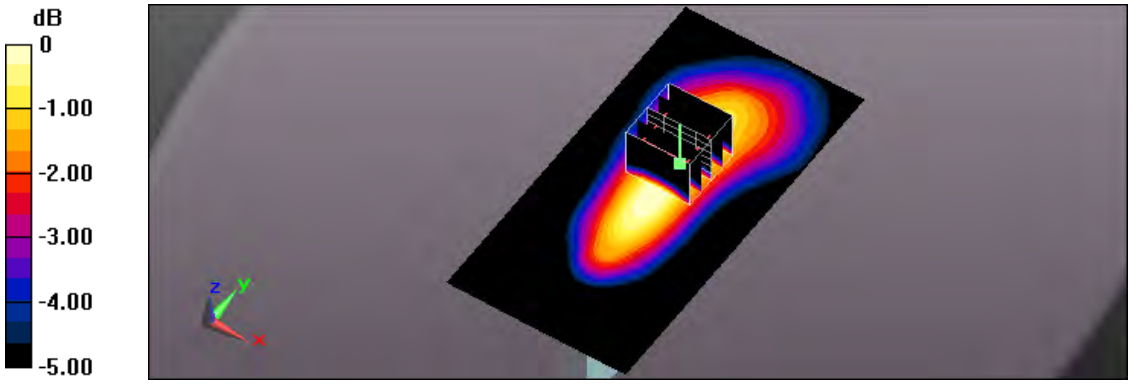
Communication System: UID 0, Generic LTE (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.564 S/m; ε_r = 52.223; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(7.92, 7.92, 7.92); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.119 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.853 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.144 W/kg
SAR(1 g) = 0.089 W/kg; SAR(10 g) = 0.053 W/kg
Maximum value of SAR (measured) = 0.118 W/kg



0 dB = 0.118 W/kg = -9.28 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/1 AM 10:35:27
66_LTE Band 2 CH18900_QPSK_BW 20MHz_50 RB size 50 RB offset_Side4_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

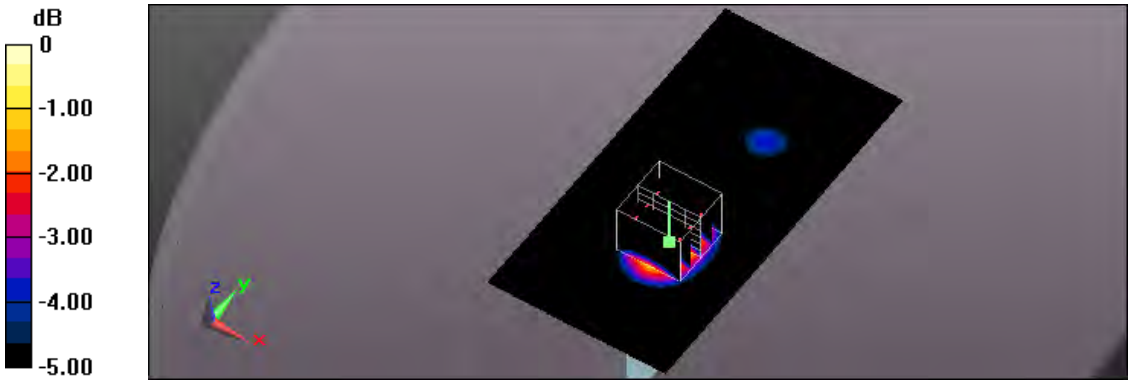
Communication System: UID 0, Generic LTE (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.564 S/m; ε_r = 52.223; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(7.92, 7.92, 7.92); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.690 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.36 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.864 W/kg
SAR(1 g) = 0.517 W/kg; SAR(10 g) = 0.300 W/kg
Maximum value of SAR (measured) = 0.701 W/kg



0 dB = 0.701 W/kg = -1.54 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/1 PM 12:09:39
70_LTE Band 2 CH18900_QPSK_BW 20MHz_50 RB size 50 RB offset_Side6_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

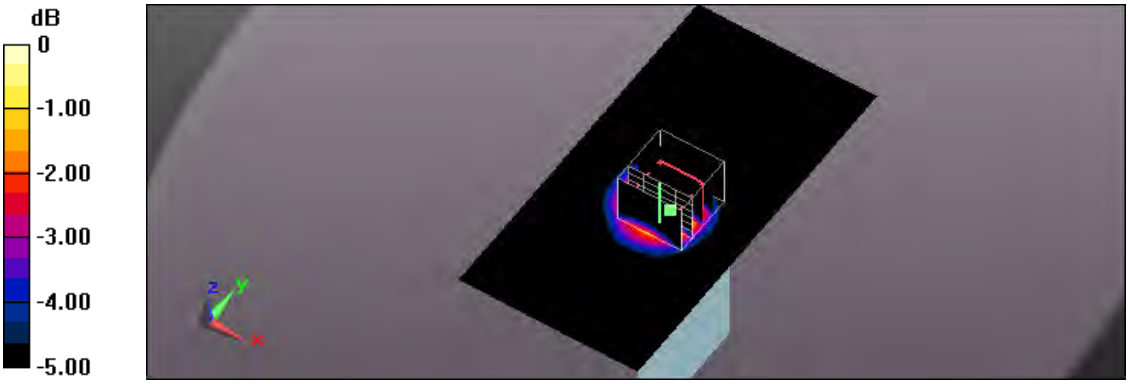
Communication System: UID 0, Generic LTE (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.564 S/m; ε_r = 52.223; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(7.92, 7.92, 7.92); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.331 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.55 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.386 W/kg
SAR(1 g) = 0.237 W/kg; SAR(10 g) = 0.136 W/kg
Maximum value of SAR (measured) = 0.313 W/kg



0 dB = 0.313 W/kg = -5.04 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/1 AM 09:10:52
64_LTE Band 2 CH19100_QPSK_BW 20MHz_100 RB size 0 RB offset_Side2_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

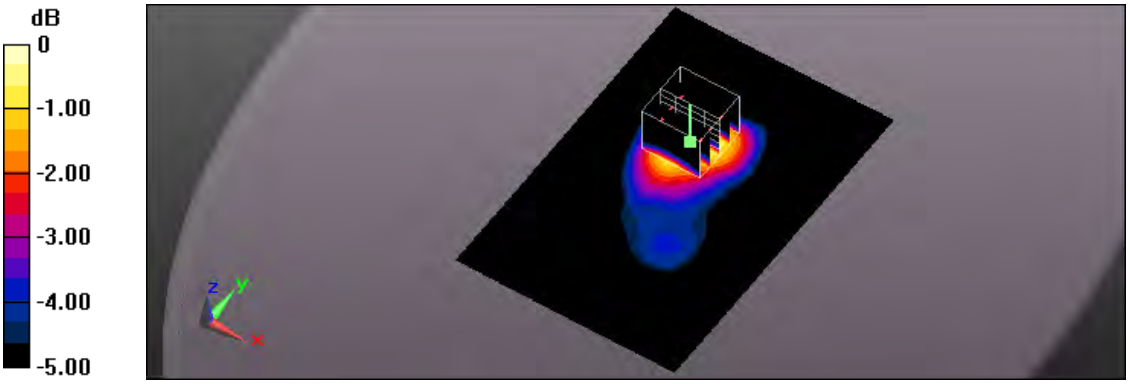
Communication System: UID 0, Generic LTE (0); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.583 S/m; ε_r = 52.147; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(7.92, 7.92, 7.92); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.843 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.53 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 0.983 W/kg
SAR(1 g) = 0.600 W/kg; SAR(10 g) = 0.366 W/kg
Maximum value of SAR (measured) = 0.771 W/kg



0 dB = 0.771 W/kg = -1.13 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/3/29 PM 10:05:50
1_LTE Band 4 CH20175_QPSK_BW 20MHz_1 RB size 99 RB offset_Side1_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

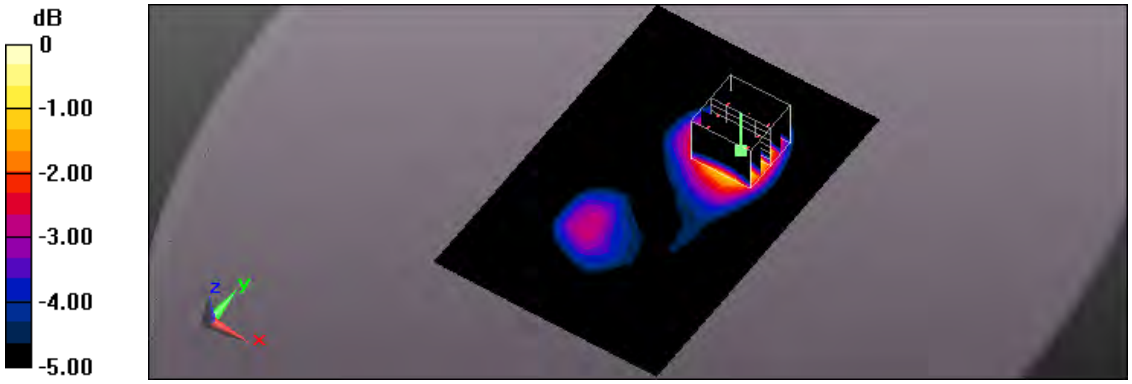
Communication System: UID 0, Generic LTE (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.513 S/m; ε_r = 52.417; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(8.22, 8.22, 8.22); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.559 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.70 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.685 W/kg
SAR(1 g) = 0.423 W/kg; SAR(10 g) = 0.261 W/kg
Maximum value of SAR (measured) = 0.555 W/kg



0 dB = 0.555 W/kg = -2.56 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/3/30 AM 12:54:36
4_LTE Band 4 CH20050_QPSK_BW 20MHz_1 RB size 49 RB offset_Side2_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

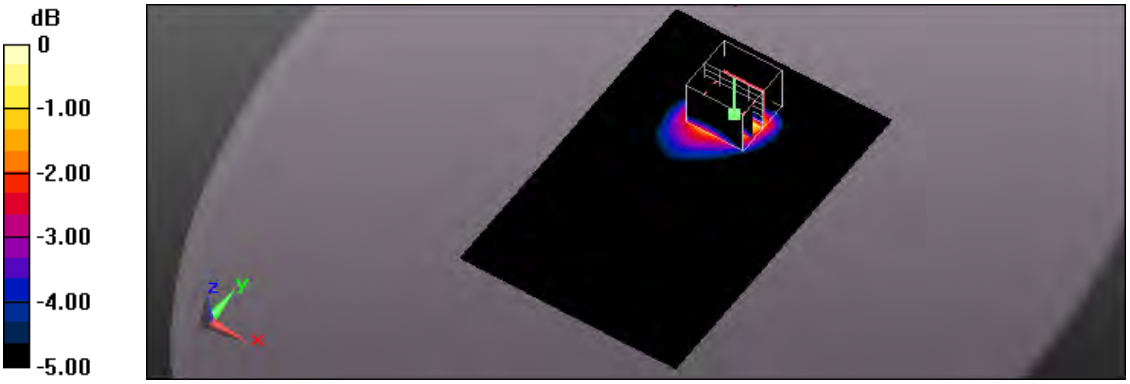
Communication System: UID 0, Generic LTE (0); Frequency: 1720 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1720 MHz; σ = 1.504 S/m; ε_r = 52.457; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(8.22, 8.22, 8.22); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.06 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.58 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 1.43 W/kg
SAR(1 g) = 0.818 W/kg; SAR(10 g) = 0.460 W/kg
Maximum value of SAR (measured) = 1.12 W/kg



0 dB = 1.12 W/kg = 0.49 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/3/30 AM 12:23:47
3_LTE Band 4 CH20175_QPSK_BW 20MHz_1 RB size 99 RB offset_Side2_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

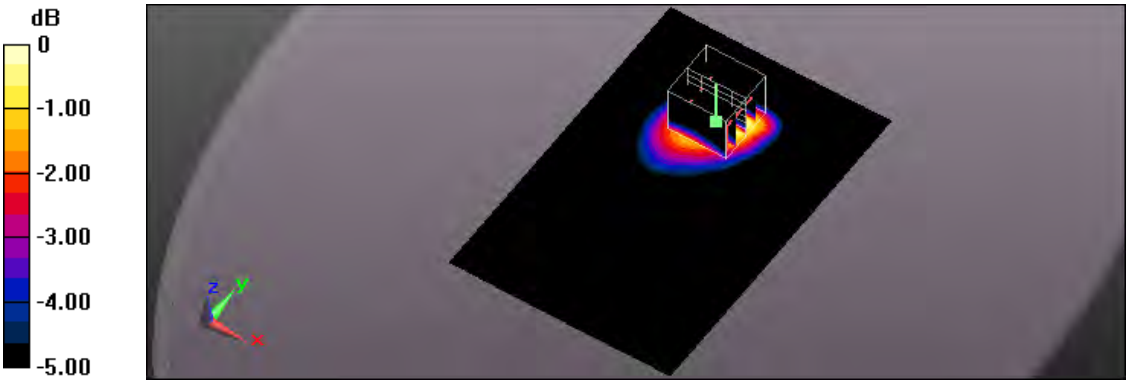
Communication System: UID 0, Generic LTE (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.513 S/m; ε_r = 52.417; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(8.22, 8.22, 8.22); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.14 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.67 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.51 W/kg
SAR(1 g) = 0.863 W/kg; SAR(10 g) = 0.504 W/kg
Maximum value of SAR (measured) = 1.15 W/kg



0 dB = 1.15 W/kg = 0.61 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/3/30 AM 02:04:55
5_LTE Band 4 CH20300_QPSK_BW 20MHz_1 RB size 0 RB offset_Side2_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

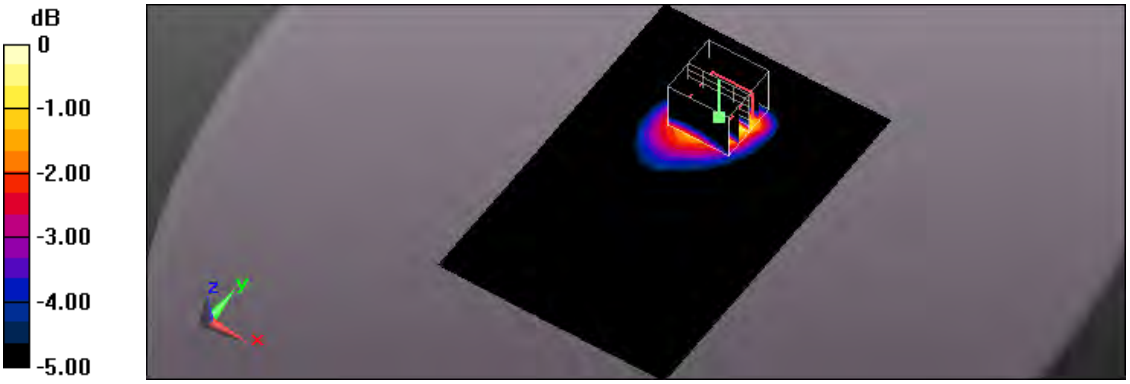
Communication System: UID 0, Generic LTE (0); Frequency: 1745 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1745 MHz; σ = 1.524 S/m; ε_r = 52.393; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(8.22, 8.22, 8.22); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.13 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.57 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 1.52 W/kg
SAR(1 g) = 0.867 W/kg; SAR(10 g) = 0.497 W/kg
Maximum value of SAR (measured) = 1.17 W/kg



0 dB = 1.17 W/kg = 0.68 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/3/30 AM 04:07:40
8_LTE Band 4 CH20175_QPSK_BW 20MHz_1 RB size 99 RB offset_Side3_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

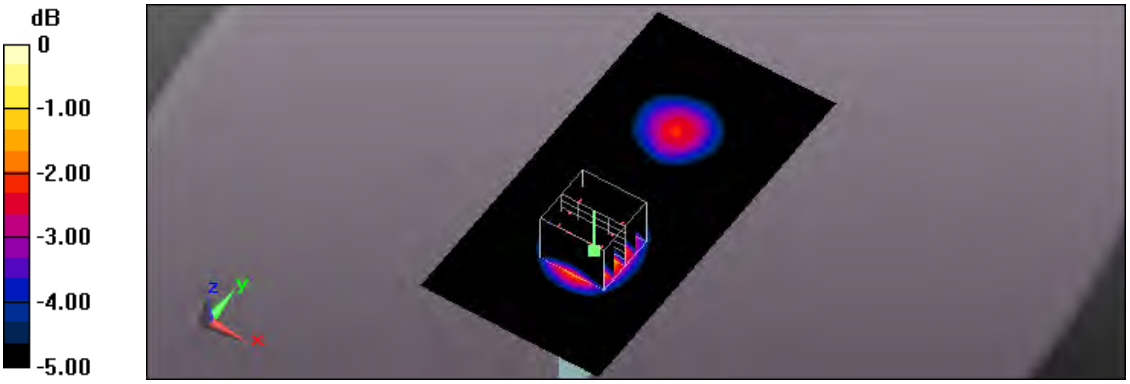
Communication System: UID 0, Generic LTE (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.513 S/m; ε_r = 52.417; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(8.22, 8.22, 8.22); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.246 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.477 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.302 W/kg
SAR(1 g) = 0.190 W/kg; SAR(10 g) = 0.115 W/kg
Maximum value of SAR (measured) = 0.249 W/kg



0 dB = 0.249 W/kg = -6.04 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/3/30 AM 04:47:48
10_LTE Band 4 CH20175_QPSK_BW 20MHz_1 RB size 99 RB offset_Side4_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

Communication System: UID 0, Generic LTE (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.513 S/m; ε_r = 52.417; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

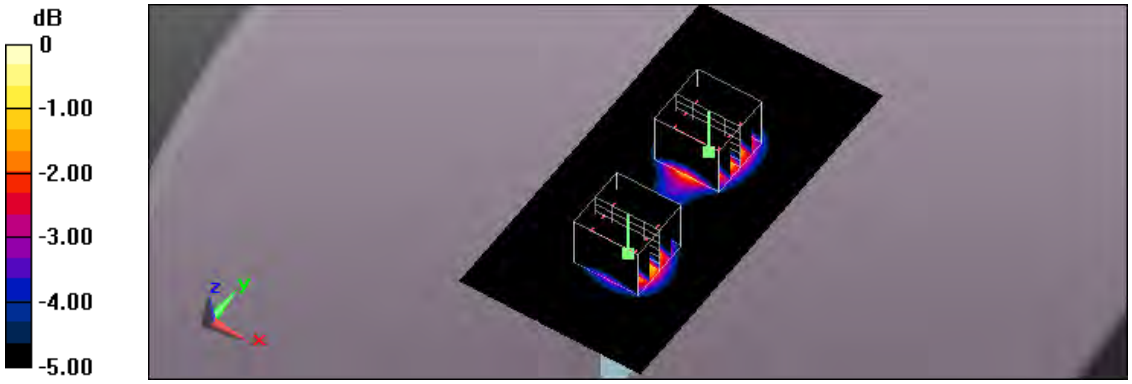
DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(8.22, 8.22, 8.22); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.668 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.14 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 0.799 W/kg
SAR(1 g) = 0.475 W/kg; SAR(10 g) = 0.268 W/kg
Maximum value of SAR (measured) = 0.645 W/kg

Flat/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.14 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 0.671 W/kg
SAR(1 g) = 0.424 W/kg; SAR(10 g) = 0.259 W/kg
Maximum value of SAR (measured) = 0.556 W/kg



0 dB = 0.556 W/kg = -2.55 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/3/30 PM 08:16:45
14_LTE Band 4 CH20175_QPSK_BW 20MHz_1 RB size 99 RB offset_Side6_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

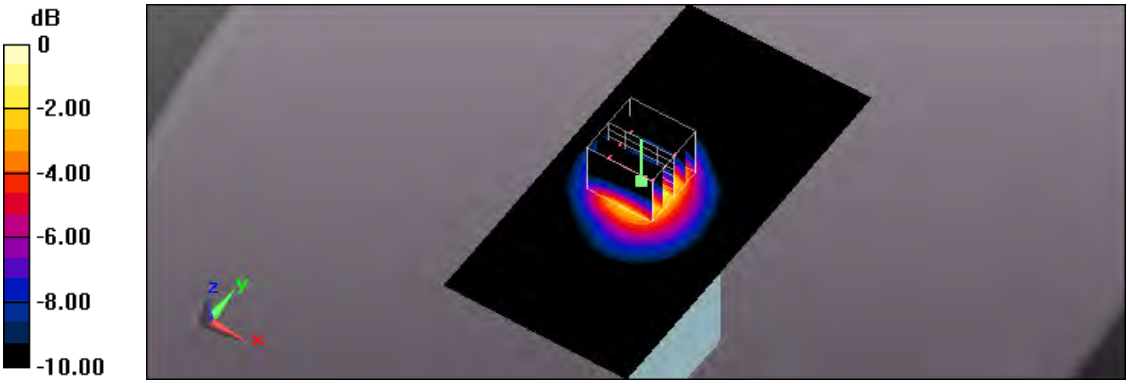
Communication System: UID 0, Generic LTE (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.513 S/m; ε_r = 52.417; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(8.22, 8.22, 8.22); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.647 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.31 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.803 W/kg
SAR(1 g) = 0.455 W/kg; SAR(10 g) = 0.248 W/kg
Maximum value of SAR (measured) = 0.640 W/kg



0 dB = 0.640 W/kg = -1.94 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/3/29 PM 10:30:46
2_LTE Band 4 CH20175_QPSK_BW 20MHz_50 RB size 25 RB offset_Side1_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

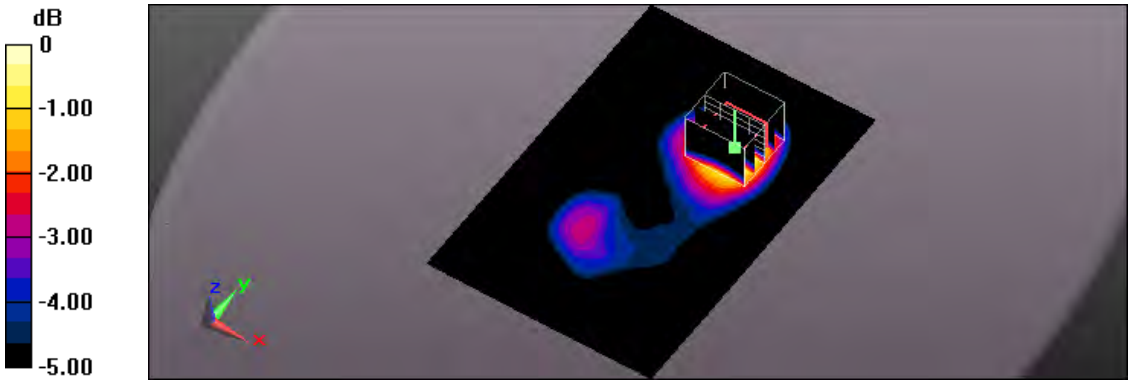
Communication System: UID 0, Generic LTE (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.513 S/m; ε_r = 52.417; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(8.22, 8.22, 8.22); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.439 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.061 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.530 W/kg
SAR(1 g) = 0.322 W/kg; SAR(10 g) = 0.198 W/kg
Maximum value of SAR (measured) = 0.420 W/kg



0 dB = 0.420 W/kg = -3.77 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/3/30 AM 03:32:30
7_LTE Band 4 CH20175_QPSK_BW 20MHz_50 RB size 25 RB offset_Side2_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

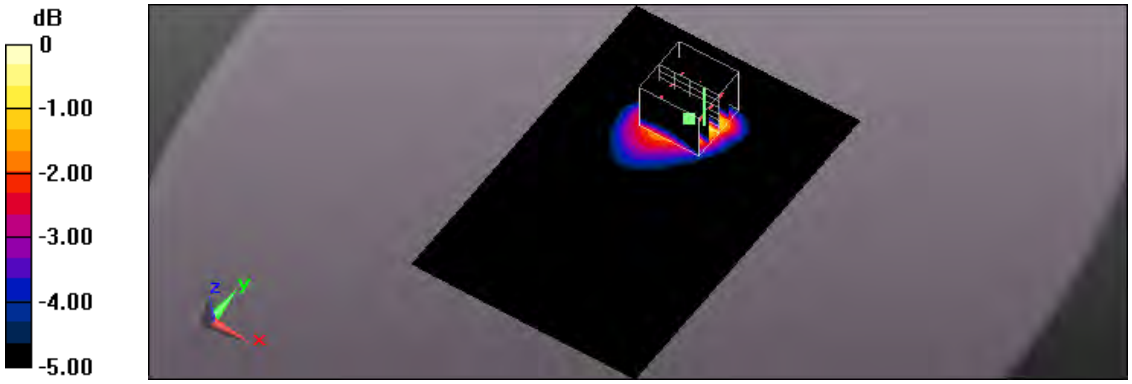
Communication System: UID 0, Generic LTE (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.513 S/m; ε_r = 52.417; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(8.22, 8.22, 8.22); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.902 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.924 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 1.23 W/kg
SAR(1 g) = 0.701 W/kg; SAR(10 g) = 0.399 W/kg
Maximum value of SAR (measured) = 0.954 W/kg



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

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/3/30 AM 04:26:09
9_LTE Band 4 CH20175_QPSK_BW 20MHz_50 RB size 25 RB offset_Side3_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

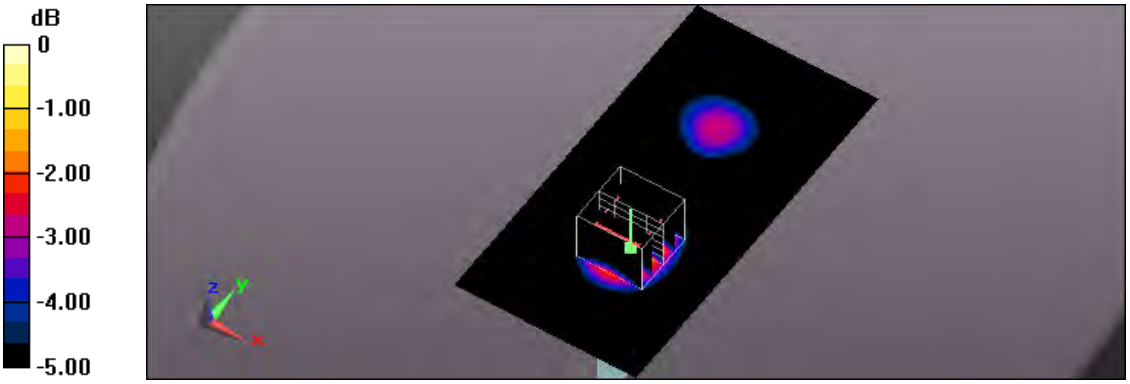
Communication System: UID 0, Generic LTE (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.513 S/m; ε_r = 52.417; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(8.22, 8.22, 8.22); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.192 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.470 V/m; Power Drift = 0.19 dB
Peak SAR (extrapolated) = 0.252 W/kg
SAR(1 g) = 0.148 W/kg; SAR(10 g) = 0.088 W/kg
Maximum value of SAR (measured) = 0.204 W/kg



0 dB = 0.204 W/kg = -6.90 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/3/30 AM 05:11:32
11_LTE Band 4 CH20175_QPSK_BW 20MHz_50 RB size 25 RB offset_Side4_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

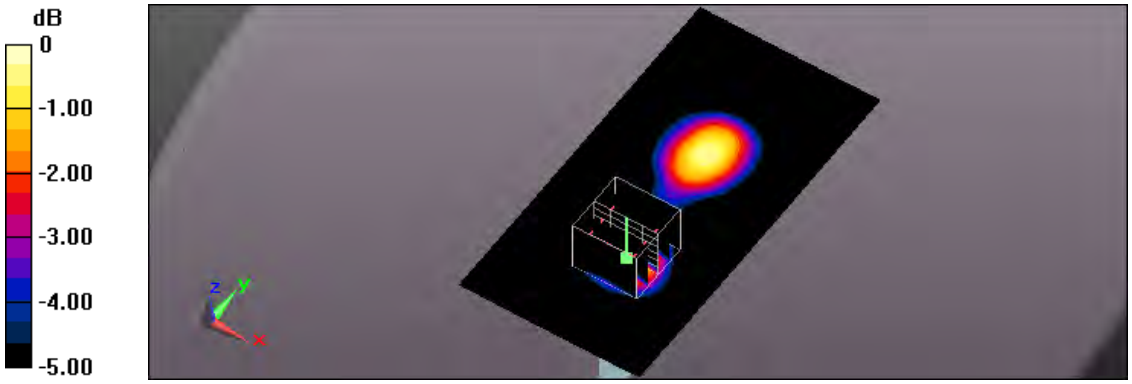
Communication System: UID 0, Generic LTE (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.513 S/m; ε_r = 52.417; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(8.22, 8.22, 8.22); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.500 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.07 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.597 W/kg
SAR(1 g) = 0.356 W/kg; SAR(10 g) = 0.202 W/kg
Maximum value of SAR (measured) = 0.479 W/kg



0 dB = 0.479 W/kg = -3.20 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/3/30 PM 09:07:10
15_LTE Band 4 CH20175_QPSK_BW 20MHz_50 RB size 25 RB offset_Side6_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

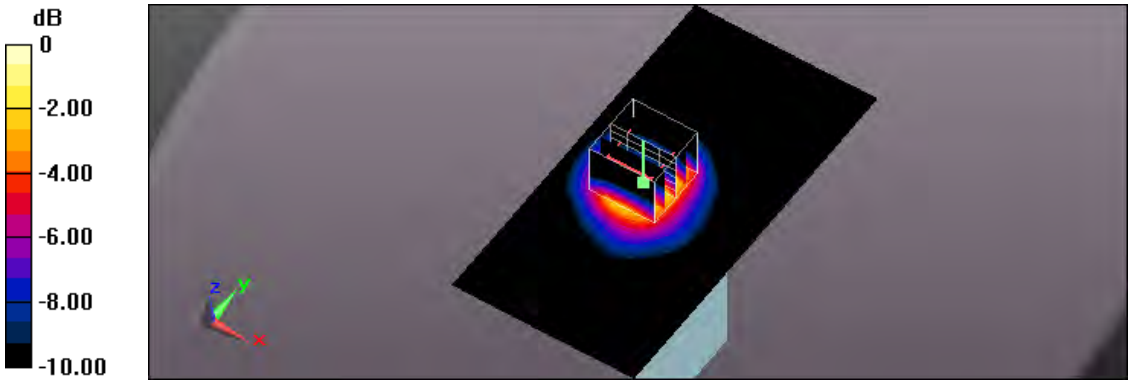
Communication System: UID 0, Generic LTE (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.513 S/m; ε_r = 52.417; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(8.22, 8.22, 8.22); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.552 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.72 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.657 W/kg
SAR(1 g) = 0.379 W/kg; SAR(10 g) = 0.206 W/kg
Maximum value of SAR (measured) = 0.518 W/kg



0 dB = 0.518 W/kg = -2.86 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/3/30 PM 09:28:24
16_LTE Band 4 CH20300_QPSK_BW 20MHz_100 RB size 0 RB offset_Side2_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

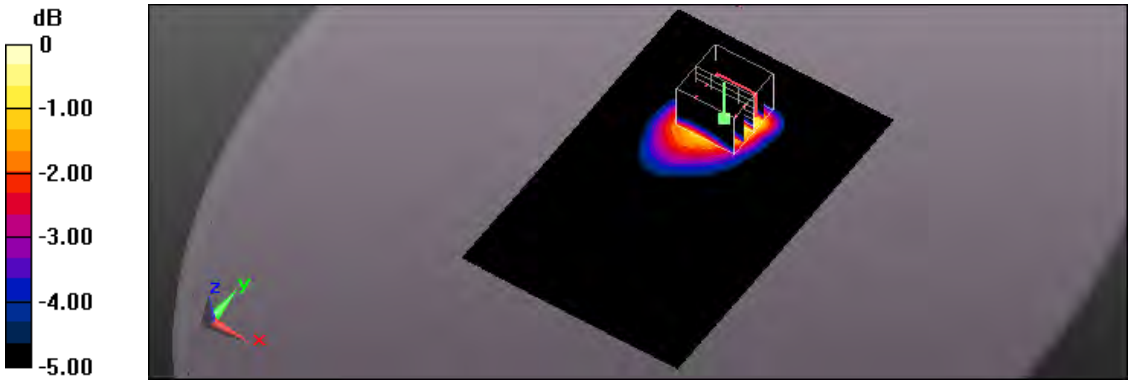
Communication System: UID 0, Generic LTE (0); Frequency: 1745 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1745 MHz; σ = 1.524 S/m; ε_r = 52.393; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(8.22, 8.22, 8.22); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.954 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.85 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 1.23 W/kg
SAR(1 g) = 0.704 W/kg; SAR(10 g) = 0.406 W/kg
Maximum value of SAR (measured) = 0.933 W/kg



0 dB = 0.933 W/kg = -0.30 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/1 PM 03:53:59
72_LTE Band 5 CH20525_QPSK_BW 10MHz_1 RB size 49 RB offset_Side1_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

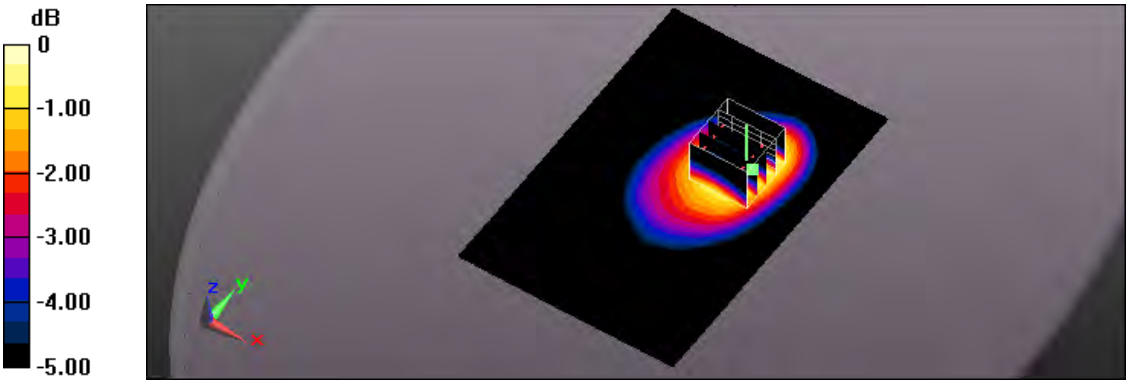
Communication System: UID 0, Generic LTE (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.974 S/m; ε_r = 54.86; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(9.83, 9.83, 9.83); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.457 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.64 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.548 W/kg
SAR(1 g) = 0.387 W/kg; SAR(10 g) = 0.278 W/kg
Maximum value of SAR (measured) = 0.466 W/kg



0 dB = 0.466 W/kg = -3.32 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/1 PM 06:08:35
76_LTE Band 5 CH20450_QPSK_BW 10MHz_1 RB size 0 RB offset_Side2_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

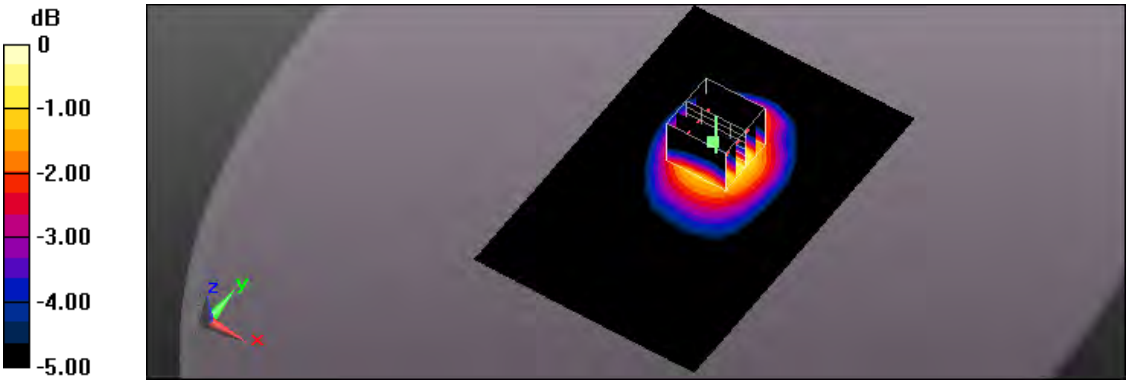
Communication System: UID 0, Generic LTE (0); Frequency: 829 MHz;Duty Cycle: 1:1
Medium parameters used: f = 829 MHz; σ = 0.962 S/m; ε_r = 54.906; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(9.83, 9.83, 9.83); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.680 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.16 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.772 W/kg
SAR(1 g) = 0.569 W/kg; SAR(10 g) = 0.405 W/kg
Maximum value of SAR (measured) = 0.687 W/kg



0 dB = 0.687 W/kg = -1.63 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/1 PM 04:53:45
74_LTE Band 5 CH20525_QPSK_BW 10MHz_1 RB size 49 RB offset_Side2_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

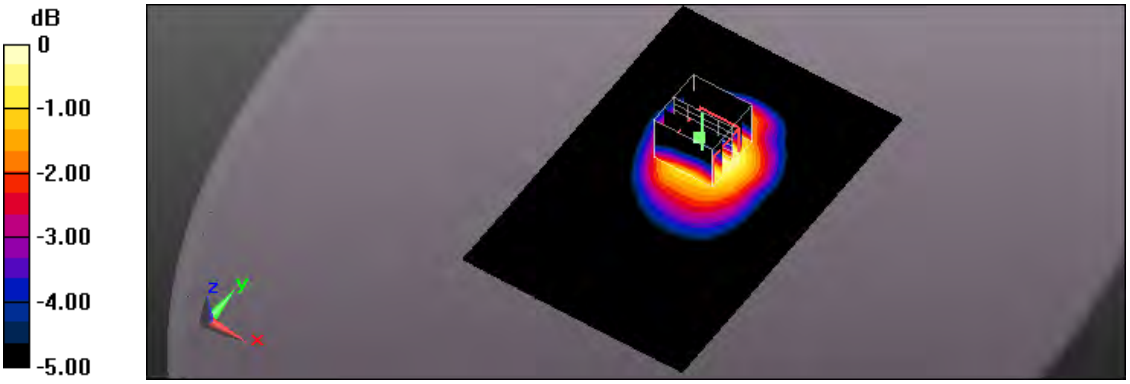
Communication System: UID 0, Generic LTE (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.974 S/m; ε_r = 54.86; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(9.83, 9.83, 9.83); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.596 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.59 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.642 W/kg
SAR(1 g) = 0.480 W/kg; SAR(10 g) = 0.342 W/kg
Maximum value of SAR (measured) = 0.565 W/kg



0 dB = 0.565 W/kg = -2.48 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/1 PM 06:28:32
77_LTE Band 5 CH20600_QPSK_BW 10MHz_1 RB size 0 RB offset_Side2_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

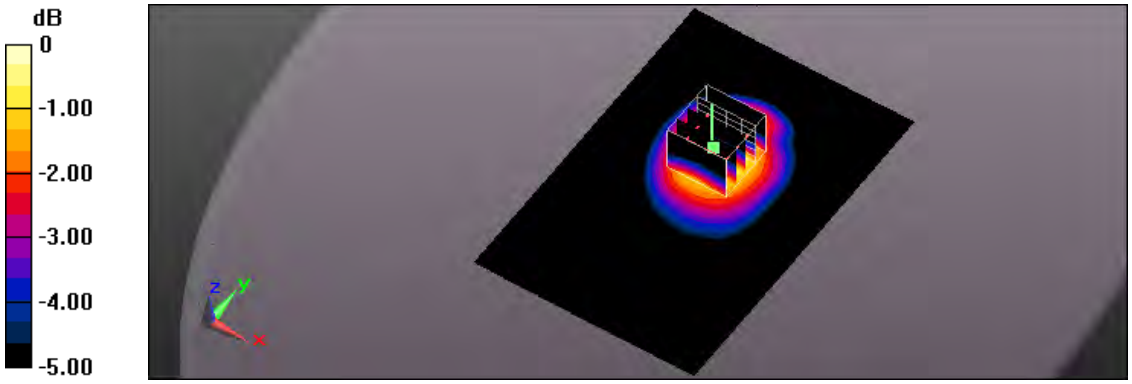
Communication System: UID 0, Generic LTE (0); Frequency: 844 MHz;Duty Cycle: 1:1
Medium parameters used: f = 844 MHz; σ = 0.986 S/m; ε_r = 54.882; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(9.83, 9.83, 9.83); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.623 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.38 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.714 W/kg
SAR(1 g) = 0.499 W/kg; SAR(10 g) = 0.353 W/kg
Maximum value of SAR (measured) = 0.617 W/kg



0 dB = 0.617 W/kg = -2.10 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/1 PM 06:55:51
78_LTE Band 5 CH20525_QPSK_BW 10MHz_1 RB size 49 RB offset_Side3_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

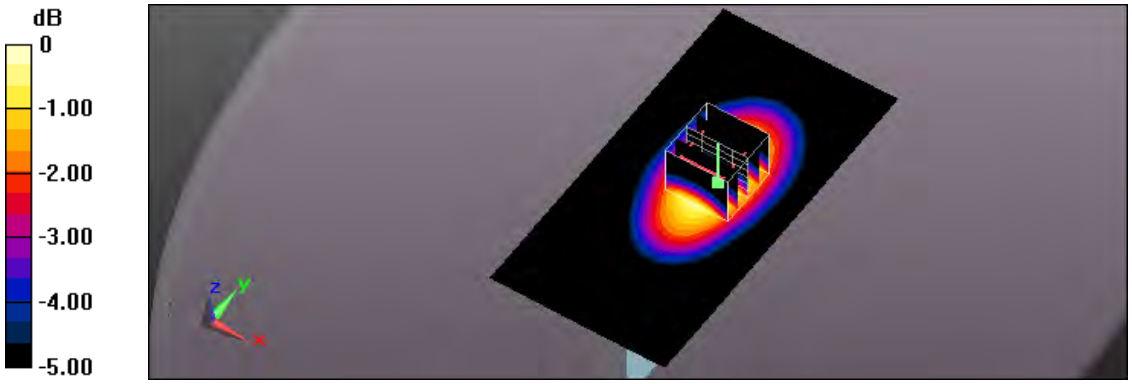
Communication System: UID 0, Generic LTE (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.974 S/m; ε_r = 54.86; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(9.83, 9.83, 9.83); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.238 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.68 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 0.269 W/kg
SAR(1 g) = 0.200 W/kg; SAR(10 g) = 0.143 W/kg
Maximum value of SAR (measured) = 0.238 W/kg



0 dB = 0.238 W/kg = -6.23 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/1 PM 08:18:35
81_LTE Band 5 CH20525_QPSK_BW 10MHz_1 RB size 49 RB offset_Side4_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

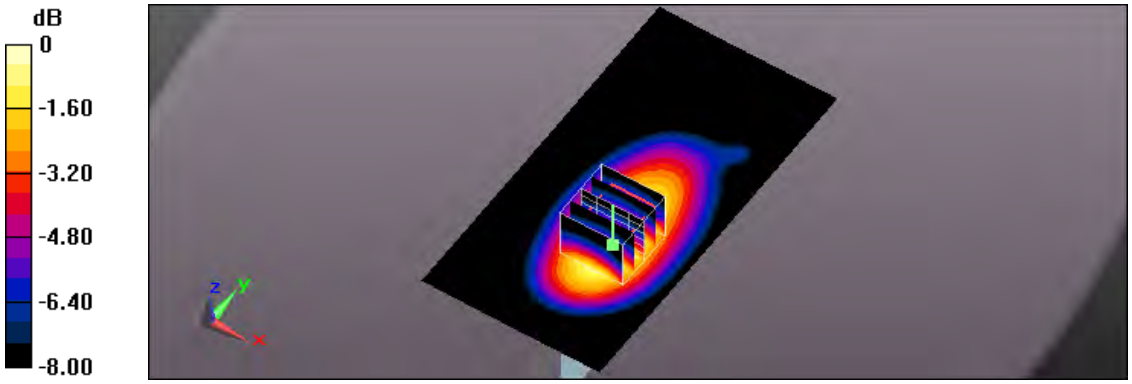
Communication System: UID 0, Generic LTE (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.974 S/m; ε_r = 54.86; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(9.83, 9.83, 9.83); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.300 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.46 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.349 W/kg
SAR(1 g) = 0.250 W/kg; SAR(10 g) = 0.167 W/kg
Maximum value of SAR (measured) = 0.306 W/kg



0 dB = 0.306 W/kg = -5.14 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/1 PM 11:12:02
84_LTE Band 5 CH20525_QPSK_BW 10MHz_1 RB size 49 RB offset_Side6_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

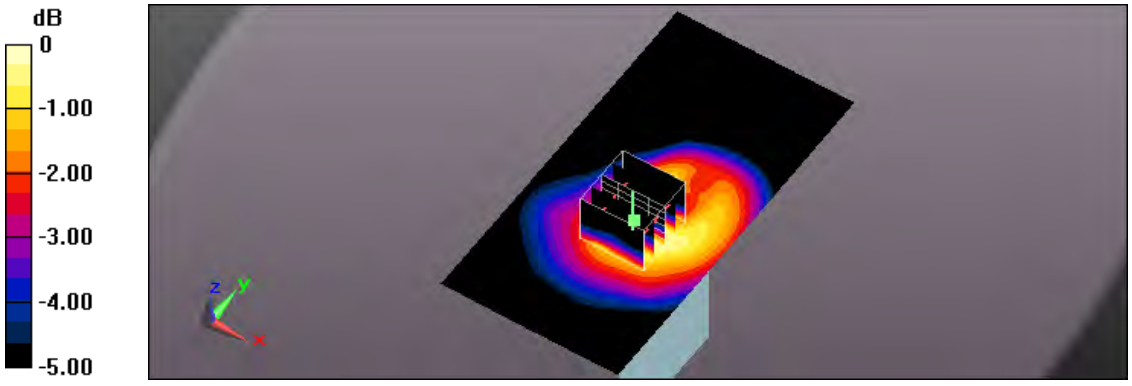
Communication System: UID 0, Generic LTE (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.974 S/m; ε_r = 54.86; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(9.83, 9.83, 9.83); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.0788 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.484 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.0880 W/kg
SAR(1 g) = 0.058 W/kg; SAR(10 g) = 0.040 W/kg
Maximum value of SAR (measured) = 0.0733 W/kg



0 dB = 0.0733 W/kg = -11.35 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/1 PM 04:22:39
73_LTE Band 5 CH20525_QPSK_BW 10MHz_25 RB size 0 RB offset_Side1_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

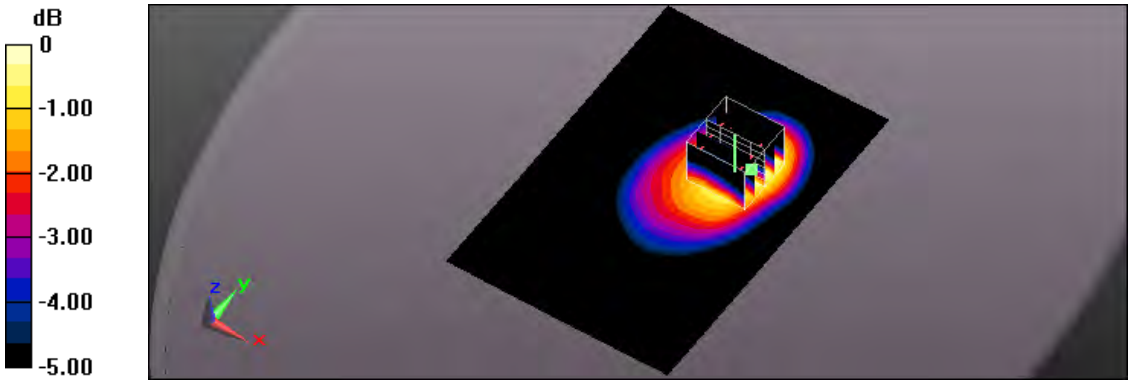
Communication System: UID 0, Generic LTE (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.974 S/m; ε_r = 54.86; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(9.83, 9.83, 9.83); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.404 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.79 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 0.450 W/kg
SAR(1 g) = 0.322 W/kg; SAR(10 g) = 0.230 W/kg
Maximum value of SAR (measured) = 0.390 W/kg



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

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/1 PM 05:43:00
75_LTE Band 5 CH20525_QPSK_BW 10MHz_25 RB size 0 RB offset_Side2_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

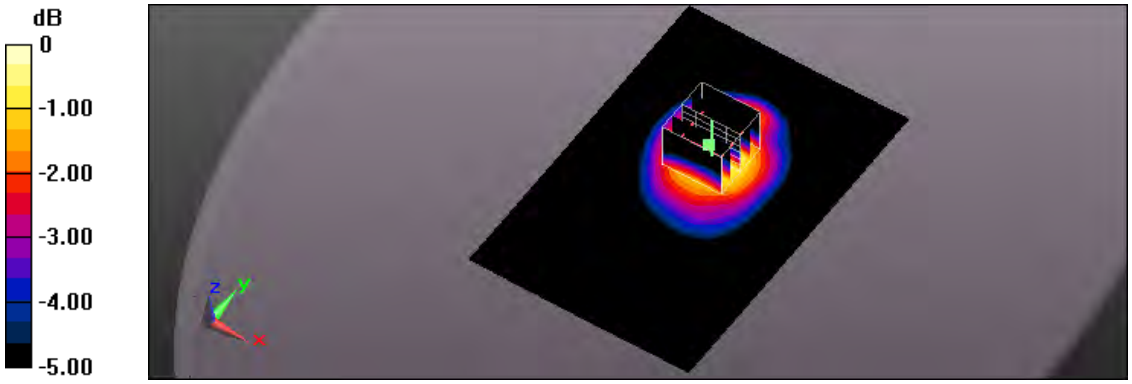
Communication System: UID 0, Generic LTE (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.974 S/m; ε_r = 54.86; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(9.83, 9.83, 9.83); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.479 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.92 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.563 W/kg
SAR(1 g) = 0.410 W/kg; SAR(10 g) = 0.290 W/kg
Maximum value of SAR (measured) = 0.496 W/kg



0 dB = 0.496 W/kg = -3.05 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/1 PM 07:22:21
79_LTE Band 5 CH20525_QPSK_BW 10MHz_25 RB size 0 RB offset_Side3_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

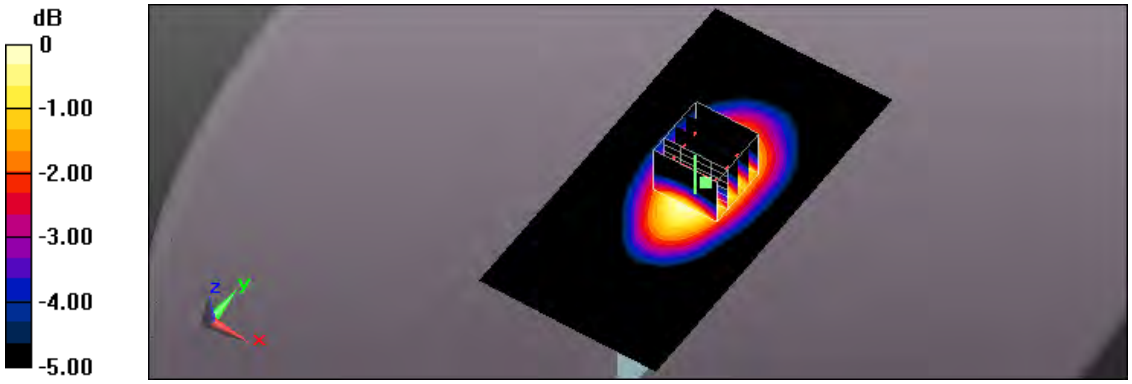
Communication System: UID 0, Generic LTE (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.974 S/m; ε_r = 54.86; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(9.83, 9.83, 9.83); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.207 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.57 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 0.225 W/kg
SAR(1 g) = 0.169 W/kg; SAR(10 g) = 0.121 W/kg
Maximum value of SAR (measured) = 0.200 W/kg



0 dB = 0.200 W/kg = -6.99 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/1 PM 07:42:03
80_LTE Band 5 CH20525_QPSK_BW 10MHz_25 RB size 0 RB offset_Side4_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

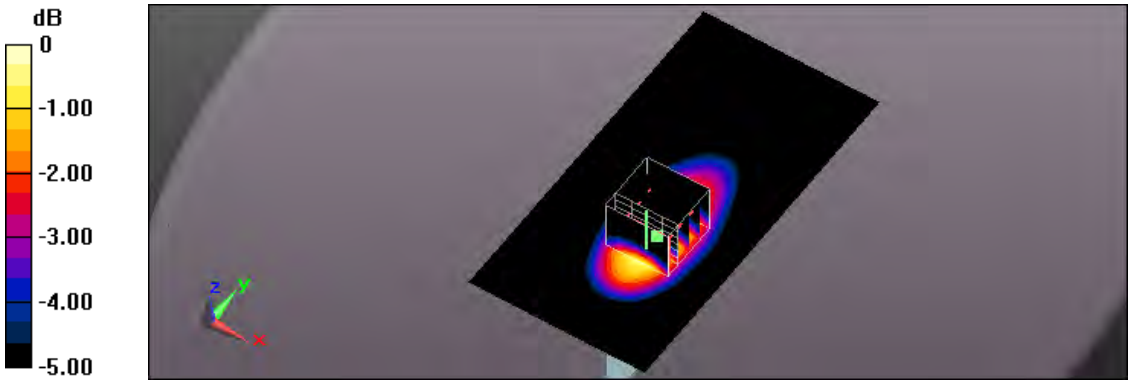
Communication System: UID 0, Generic LTE (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.974 S/m; ε_r = 54.86; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(9.83, 9.83, 9.83); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.234 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.62 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 0.278 W/kg
SAR(1 g) = 0.202 W/kg; SAR(10 g) = 0.134 W/kg
Maximum value of SAR (measured) = 0.246 W/kg



0 dB = 0.246 W/kg = -6.09 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/1 PM 11:43:09
85_LTE Band 5 CH20525_QPSK_BW 10MHz_25 RB size 0 RB offset_Side6_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

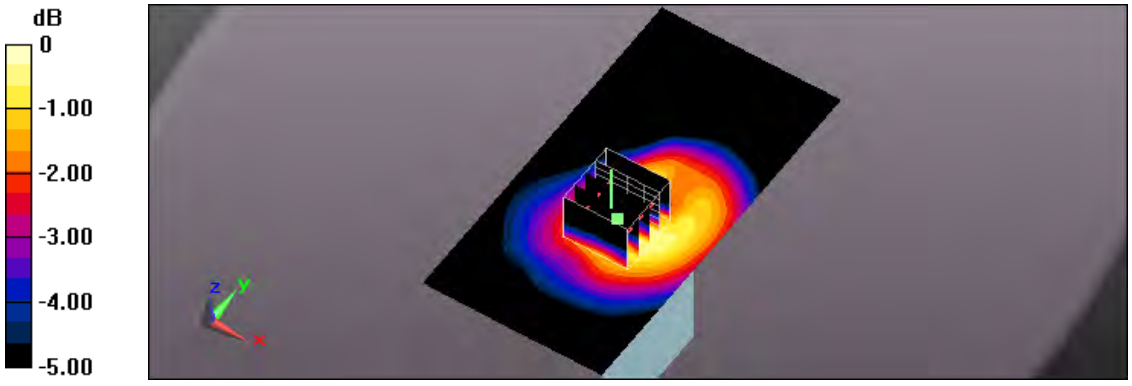
Communication System: UID 0, Generic LTE (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.974 S/m; ε_r = 54.86; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(9.83, 9.83, 9.83); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.0628 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.796 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 0.0760 W/kg
SAR(1 g) = 0.049 W/kg; SAR(10 g) = 0.033 W/kg
Maximum value of SAR (measured) = 0.0609 W/kg



0 dB = 0.0609 W/kg = -12.15 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/3 PM 03:17:46
115_LTE Band 7 CH21100_QPSK_BW 20MHz_1 RB size 99 RB offset_Side1_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

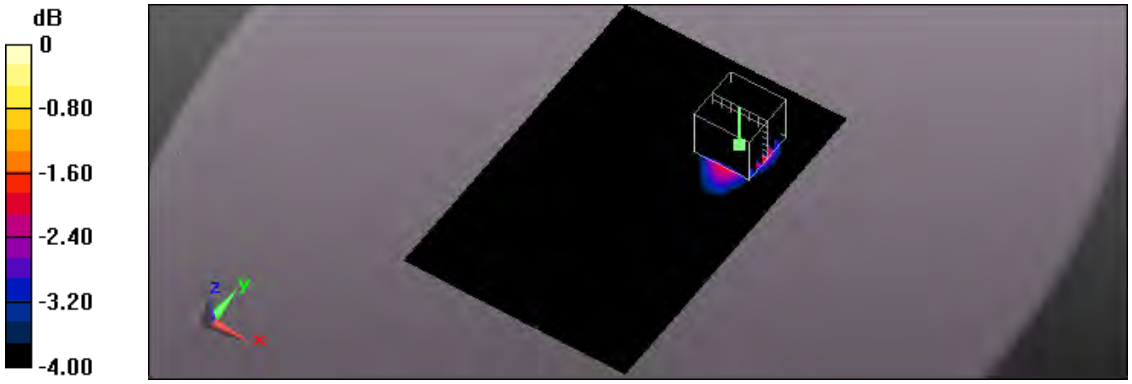
Communication System: UID 0, Generic LTE (0); Frequency: 2535 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2535 MHz; σ = 2.134 S/m; ε_r = 51.104; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(7.4, 7.4, 7.4); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (121x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.640 W/kg

Flat/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.494 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.868 W/kg
SAR(1 g) = 0.429 W/kg; SAR(10 g) = 0.218 W/kg
Maximum value of SAR (measured) = 0.638 W/kg



0 dB = 0.638 W/kg = -1.95 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/3 PM 05:28:09
128_LTE Band 7 CH20850_QPSK_BW 20MHz_1 RB size 99 RB offset_Side2_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

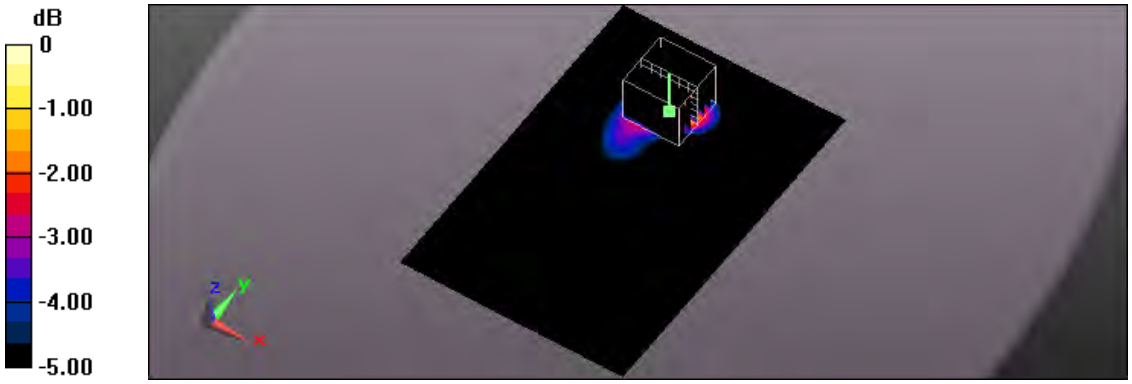
Communication System: UID 0, Generic LTE (0); Frequency: 2510 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2510 MHz; σ = 2.096 S/m; ε_r = 51.179; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(7.4, 7.4, 7.4); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (121x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.55 W/kg

Flat/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 13.65 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 2.11 W/kg
SAR(1 g) = 1.04 W/kg; SAR(10 g) = 0.503 W/kg
Maximum value of SAR (measured) = 1.55 W/kg



0 dB = 1.55 W/kg = 1.90 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/3 PM 06:19:30
116_LTE Band 7 CH21100_QPSK_BW 20MHz_1 RB size 99 RB offset_Side2_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

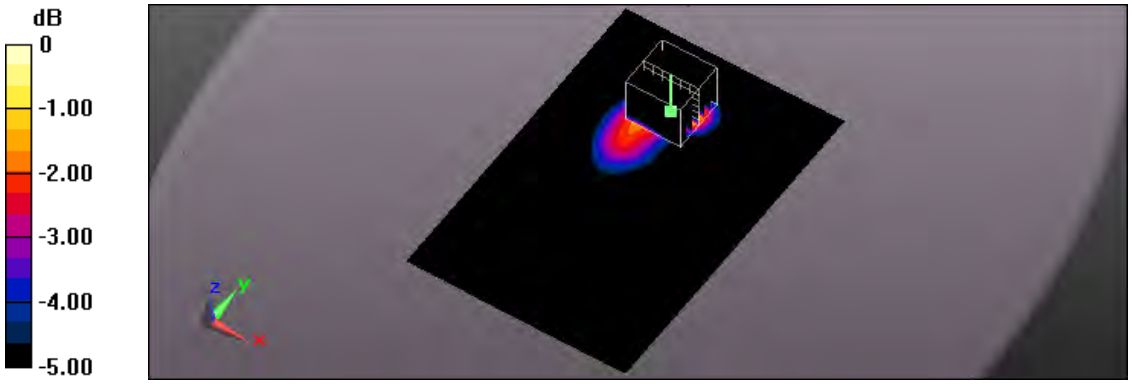
Communication System: UID 0, Generic LTE (0); Frequency: 2535 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2535 MHz; σ = 2.134 S/m; ε_r = 51.104; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(7.4, 7.4, 7.4); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (121x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.30 W/kg

Flat/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 12.91 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 1.73 W/kg
SAR(1 g) = 0.865 W/kg; SAR(10 g) = 0.425 W/kg
Maximum value of SAR (measured) = 1.27 W/kg



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

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/4 AM 08:43:49
129_LTE Band 7 CH21350_QPSK_BW 20MHz_1 RB size 49 RB offset_Side2_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

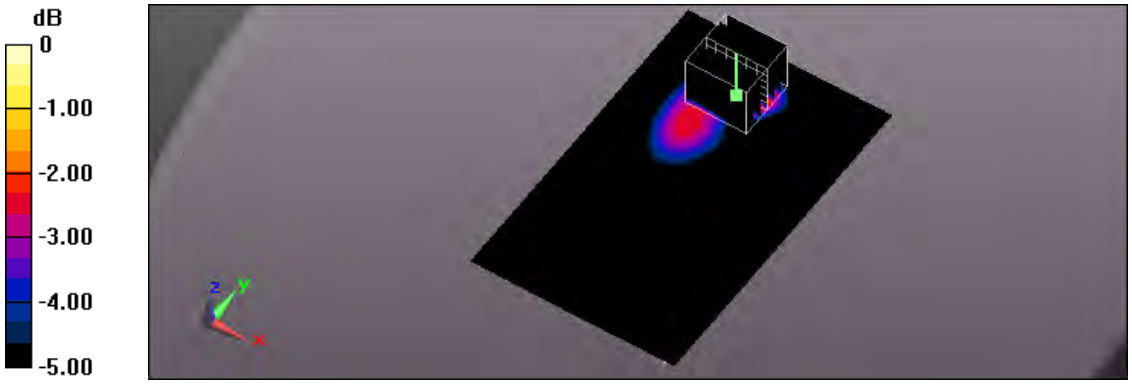
Communication System: UID 0, Generic LTE (0); Frequency: 2560 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2560 MHz; σ = 2.166 S/m; ε_r = 51.085; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(7.4, 7.4, 7.4); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (101x161x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.17 W/kg

Flat/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 11.96 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 1.70 W/kg
SAR(1 g) = 0.835 W/kg; SAR(10 g) = 0.409 W/kg
Maximum value of SAR (measured) = 1.25 W/kg



0 dB = 1.25 W/kg = 0.97 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/4 PM 01:28:45
117_LTE Band 7 CH21100_QPSK_BW 20MHz_1 RB size 99 RB offset_Side3_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

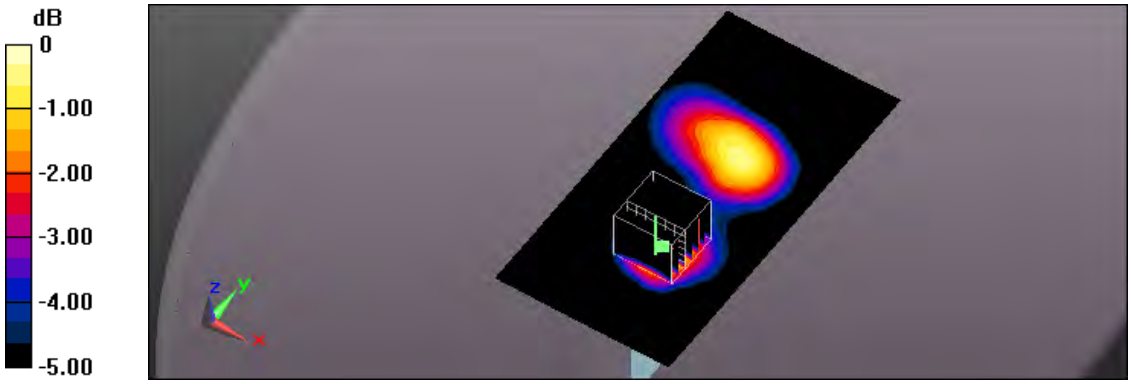
Communication System: UID 0, Generic LTE (0); Frequency: 2535 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2535 MHz; σ = 2.134 S/m; ε_r = 51.104; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(7.4, 7.4, 7.4); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (91x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.0956 W/kg

Flat/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.974 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.132 W/kg
SAR(1 g) = 0.070 W/kg; SAR(10 g) = 0.039 W/kg
Maximum value of SAR (measured) = 0.0986 W/kg



0 dB = 0.0986 W/kg = -10.06 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/4 AM 03:44:45
120_LTE Band 7 CH21100_QPSK_BW 20MHz_1 RB size 99 RB offset_Side4_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

Communication System: UID 0, Generic LTE (0); Frequency: 2535 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2535 MHz; σ = 2.134 S/m; ε_r = 51.104; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

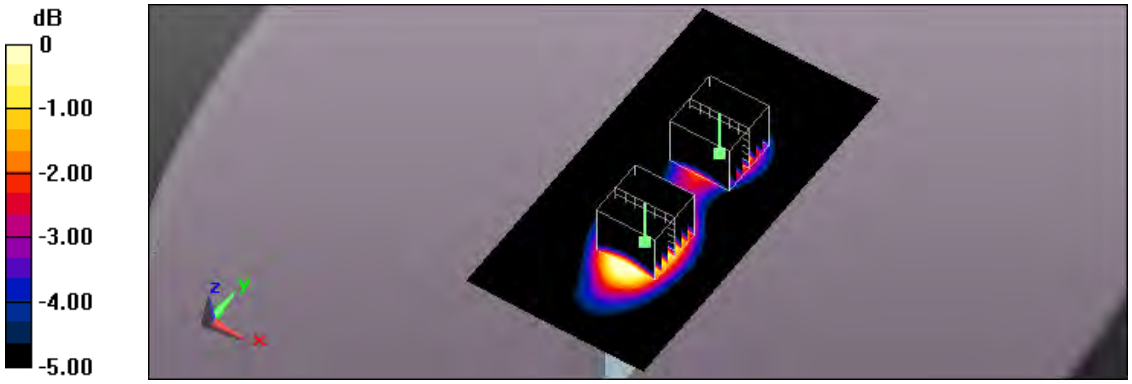
DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(7.4, 7.4, 7.4); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (91x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.960 W/kg

Flat/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 12.76 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 1.26 W/kg
SAR(1 g) = 0.681 W/kg; SAR(10 g) = 0.366 W/kg
Maximum value of SAR (measured) = 0.965 W/kg

Flat/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 12.76 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.845 W/kg
SAR(1 g) = 0.459 W/kg; SAR(10 g) = 0.247 W/kg
Maximum value of SAR (measured) = 0.648 W/kg



0 dB = 0.648 W/kg = -1.88 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/5 PM 01:12:55
135_LTE Band 7 CH21100_QPSK_BW 20MHz_1 RB size 99 RB offset_Side6_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

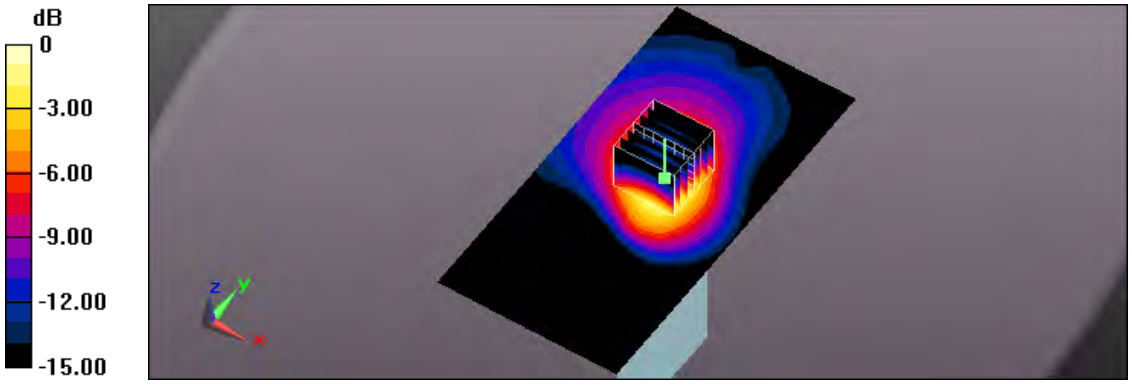
Communication System: UID 0, Generic LTE (0); Frequency: 2535 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2535 MHz; σ = 2.134 S/m; ε_r = 51.104; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(7.4, 7.4, 7.4); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (91x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.997 W/kg

Flat/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 19.05 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 1.31 W/kg
SAR(1 g) = 0.697 W/kg; SAR(10 g) = 0.363 W/kg
Maximum value of SAR (measured) = 0.980 W/kg



0 dB = 0.980 W/kg = -0.09 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/3 PM 03:58:53
121_LTE Band 7 CH21100_QPSK_BW 20MHz_50 RB size 0 RB offset_Side1_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

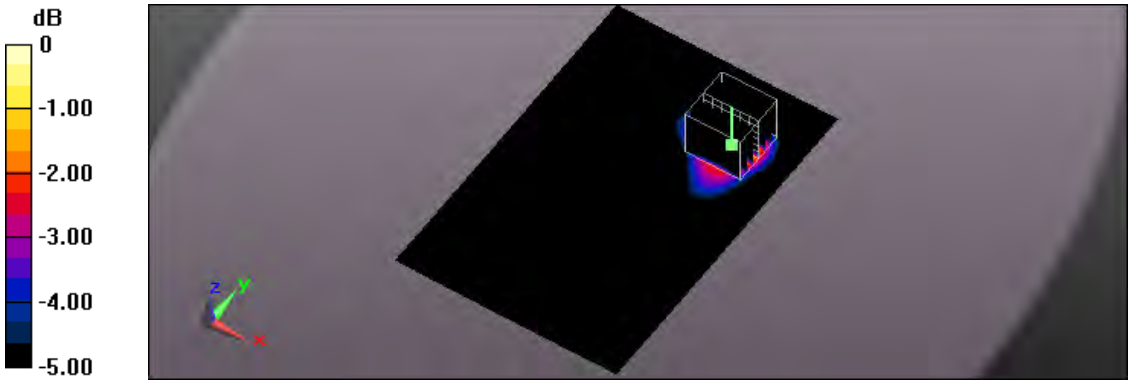
Communication System: UID 0, Generic LTE (0); Frequency: 2535 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2535 MHz; σ = 2.134 S/m; ε_r = 51.104; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(7.4, 7.4, 7.4); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (121x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.579 W/kg

Flat/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.714 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.782 W/kg
SAR(1 g) = 0.393 W/kg; SAR(10 g) = 0.200 W/kg
Maximum value of SAR (measured) = 0.577 W/kg



0 dB = 0.577 W/kg = -2.39 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/4 AM 10:06:01
130_LTE Band 7 CH20850_QPSK_BW 20MHz_50 RB size 50 RB offset_Side2_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

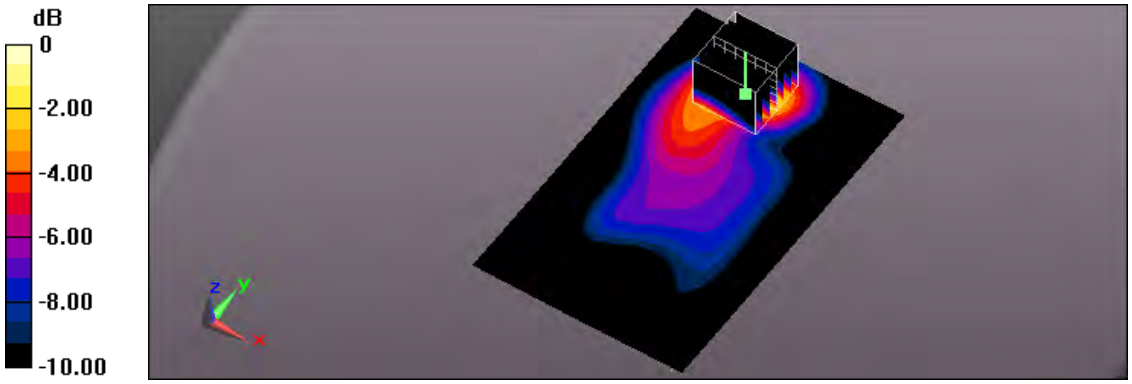
Communication System: UID 0, Generic LTE (0); Frequency: 2510 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2510 MHz; σ = 2.096 S/m; ε_r = 51.179; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(7.4, 7.4, 7.4); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (101x161x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.23 W/kg

Flat/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 11.87 V/m; Power Drift = 0.18 dB
Peak SAR (extrapolated) = 1.66 W/kg
SAR(1 g) = 0.840 W/kg; SAR(10 g) = 0.412 W/kg
Maximum value of SAR (measured) = 1.25 W/kg



0 dB = 1.25 W/kg = 0.97 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/3 PM 04:42:34
122_LTE Band 7 CH21100_QPSK_BW 20MHz_50 RB size 0 RB offset_Side2_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

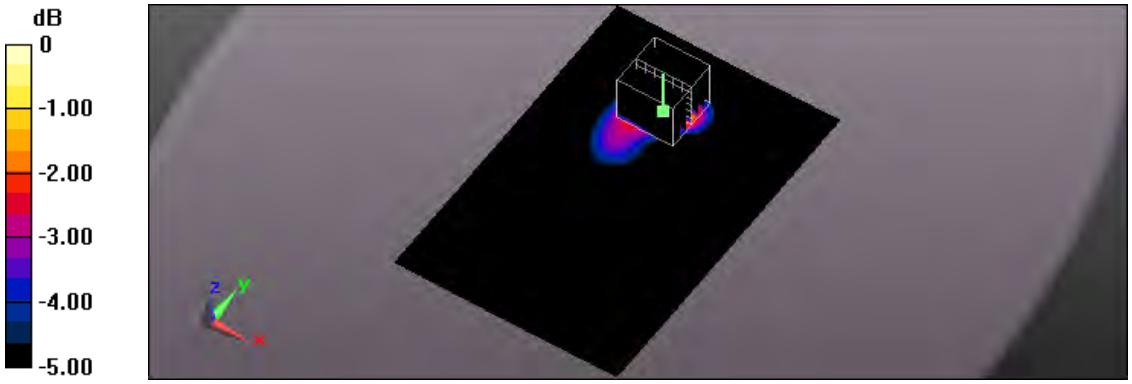
Communication System: UID 0, Generic LTE (0); Frequency: 2535 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2535 MHz; σ = 2.134 S/m; ε_r = 51.104; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(7.4, 7.4, 7.4); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (121x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.14 W/kg

Flat/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 11.78 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 1.58 W/kg
SAR(1 g) = 0.759 W/kg; SAR(10 g) = 0.368 W/kg
Maximum value of SAR (measured) = 1.15 W/kg



0 dB = 1.15 W/kg = 0.61 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/4 AM 10:57:35
131_LTE Band 7 CH21350_QPSK_BW 20MHz_50 RB size 0 RB offset_Side2_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

Communication System: UID 0, Generic LTE (0); Frequency: 2560 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2560 MHz; σ = 2.166 S/m; ε_r = 51.085; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

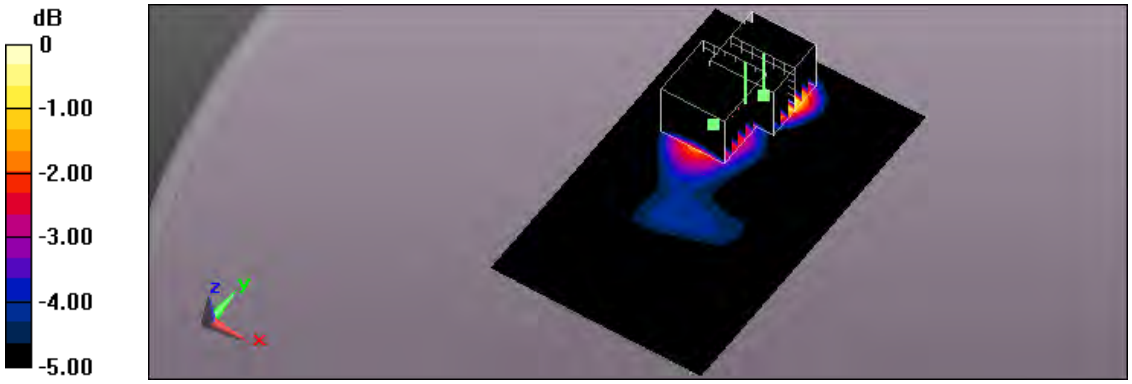
DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(7.4, 7.4, 7.4); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (101x161x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.889 W/kg

Flat/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 10.94 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 1.24 W/kg
SAR(1 g) = 0.615 W/kg; SAR(10 g) = 0.306 W/kg
Maximum value of SAR (measured) = 0.918 W/kg

Flat/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 10.94 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 0.981 W/kg
SAR(1 g) = 0.421 W/kg; SAR(10 g) = 0.238 W/kg
Maximum value of SAR (measured) = 0.710 W/kg



0 dB = 0.710 W/kg = -1.49 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/4 PM 02:06:39
118_LTE Band 7 CH21100_QPSK_BW 20MHz_50 RB size 0 RB offset_Side3_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

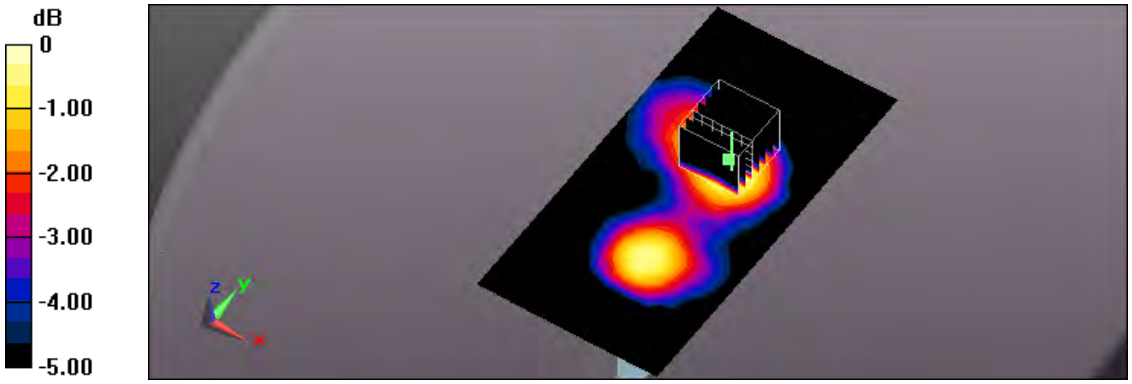
Communication System: UID 0, Generic LTE (0); Frequency: 2535 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2535 MHz; σ = 2.134 S/m; ε_r = 51.104; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(7.4, 7.4, 7.4); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (91x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.0673 W/kg

Flat/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.267 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.0870 W/kg
SAR(1 g) = 0.049 W/kg; SAR(10 g) = 0.028 W/kg
Maximum value of SAR (measured) = 0.0668 W/kg



0 dB = 0.0668 W/kg = -11.75 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/4 AM 02:44:49
119_LTE Band 7 CH21100_QPSK_BW 20MHz_50 RB size 0 RB offset_Side4_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

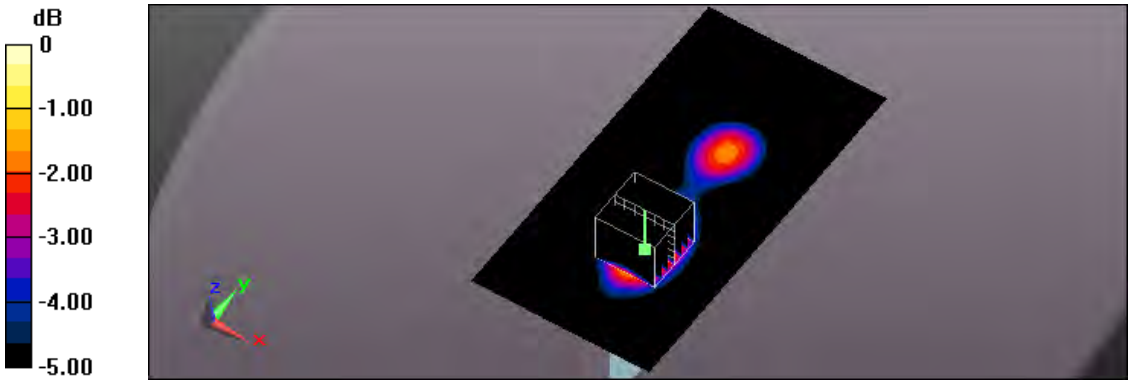
Communication System: UID 0, Generic LTE (0); Frequency: 2535 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2535 MHz; σ = 2.134 S/m; ε_r = 51.104; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(7.4, 7.4, 7.4); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (91x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.739 W/kg

Flat/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 11.35 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.963 W/kg
SAR(1 g) = 0.523 W/kg; SAR(10 g) = 0.284 W/kg
Maximum value of SAR (measured) = 0.739 W/kg



0 dB = 0.739 W/kg = -1.31 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/5 PM 02:03:53
137_LTE Band 7 CH21100_QPSK_BW 20MHz_50 RB size 0 RB offset_Side6_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

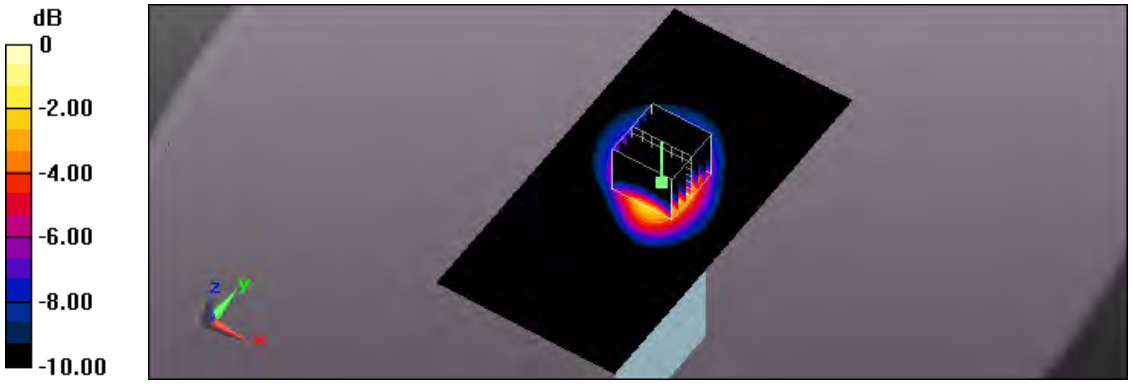
Communication System: UID 0, Generic LTE (0); Frequency: 2535 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2535 MHz; σ = 2.134 S/m; ε_r = 51.104; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(7.4, 7.4, 7.4); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (91x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.919 W/kg

Flat/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 18.43 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 1.18 W/kg
SAR(1 g) = 0.632 W/kg; SAR(10 g) = 0.327 W/kg
Maximum value of SAR (measured) = 0.911 W/kg



0 dB = 0.911 W/kg = -0.40 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/4 AM 11:44:22
132_LTE Band 7 CH20850_QPSK_BW 20MHz_100 RB size 0 RB offset_Side2_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

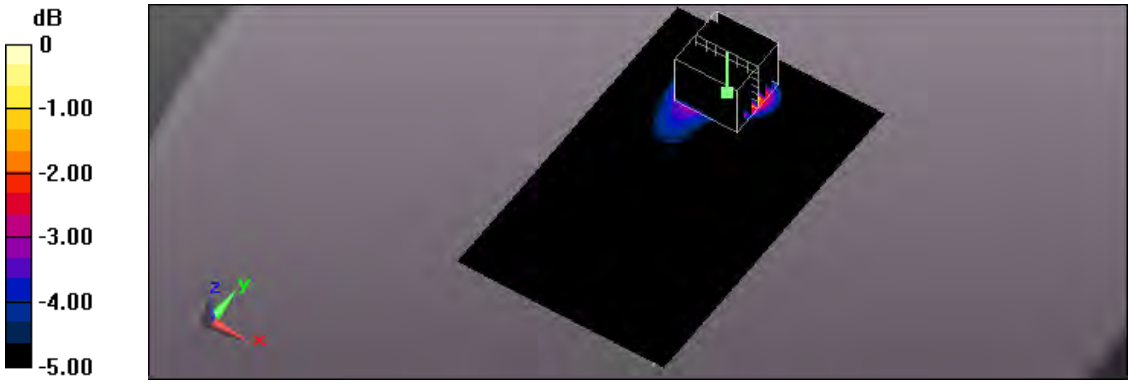
Communication System: UID 0, Generic LTE (0); Frequency: 2510 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2510 MHz; σ = 2.096 S/m; ε_r = 51.179; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(7.4, 7.4, 7.4); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (101x161x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.27 W/kg

Flat/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 11.83 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 1.64 W/kg
SAR(1 g) = 0.858 W/kg; SAR(10 g) = 0.425 W/kg
Maximum value of SAR (measured) = 1.23 W/kg



0 dB = 1.23 W/kg = 0.90 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/7 AM 06:37:01
153_LTE Band 17 CH23790_QPSK_BW 10MHz_1 RB size 49 RB offset_Side1_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

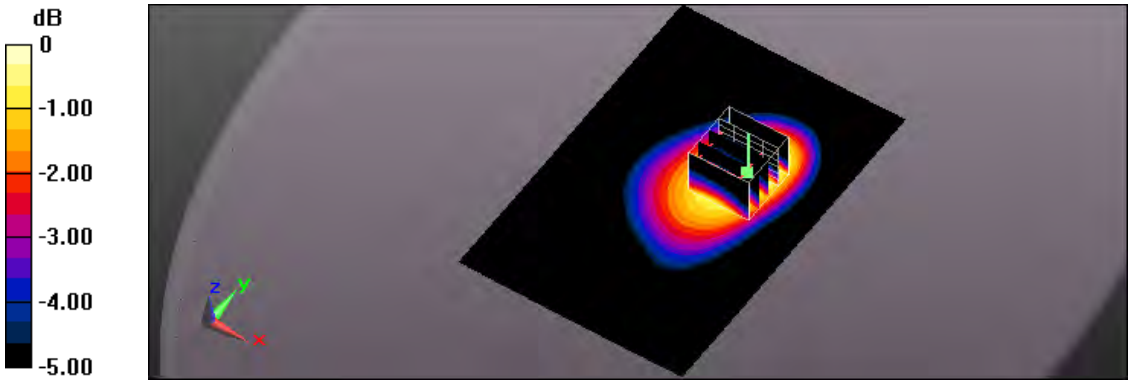
Communication System: UID 0, Generic LTE (0); Frequency: 710 MHz;Duty Cycle: 1:1
Medium parameters used: f = 710 MHz; σ = 0.956 S/m; ε_r = 54.548; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(10.45, 10.45, 10.45); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.369 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.47 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 0.411 W/kg
SAR(1 g) = 0.295 W/kg; SAR(10 g) = 0.213 W/kg
Maximum value of SAR (measured) = 0.352 W/kg



0 dB = 0.352 W/kg = -4.53 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/7 PM 02:02:51
165_LTE Band 17 CH23780_QPSK_BW 10MHz_1 RB size 49 RB offset_Side2_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

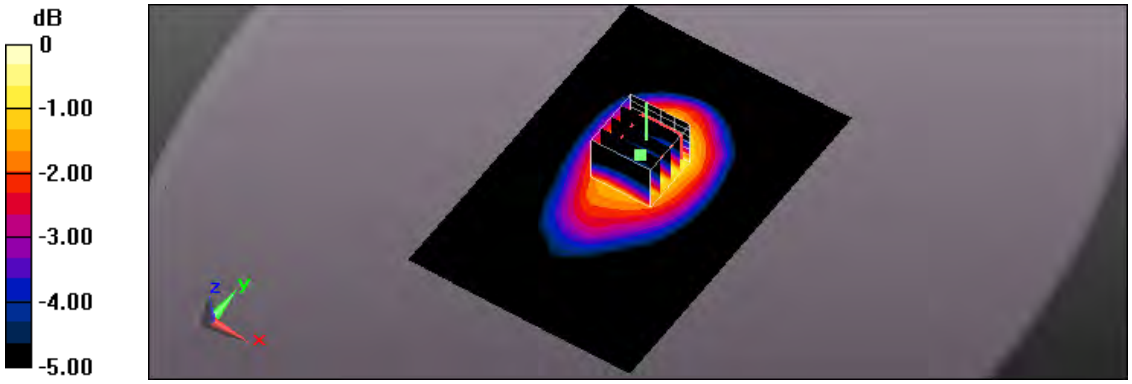
Communication System: UID 0, Generic LTE (0); Frequency: 709 MHz;Duty Cycle: 1:1
Medium parameters used: f = 709 MHz; σ = 0.955 S/m; ε_r = 54.569; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(10.45, 10.45, 10.45); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.388 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.01 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.439 W/kg
SAR(1 g) = 0.307 W/kg; SAR(10 g) = 0.227 W/kg
Maximum value of SAR (measured) = 0.375 W/kg



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

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/7 PM 01:12:45
155_LTE Band 17 CH23790_QPSK_BW 10MHz_1 RB size 49 RB offset_Side2_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

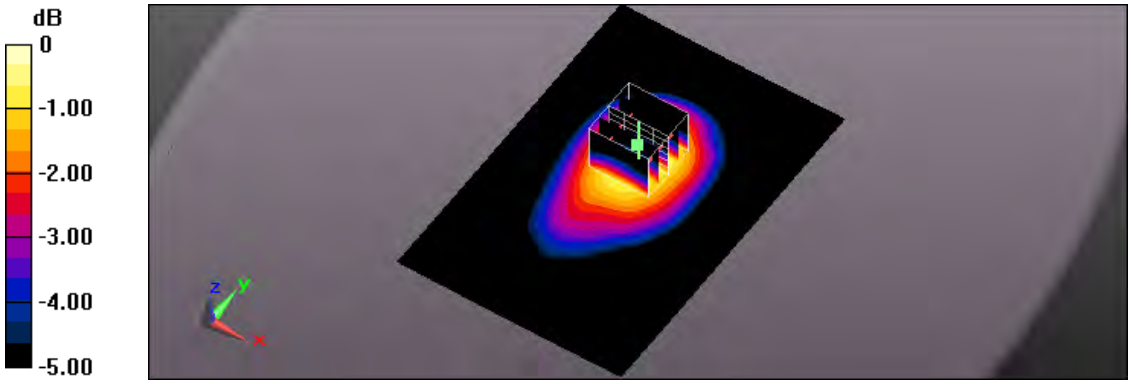
Communication System: UID 0, Generic LTE (0); Frequency: 710 MHz;Duty Cycle: 1:1
Medium parameters used: f = 710 MHz; σ = 0.956 S/m; ε_r = 54.548; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(10.45, 10.45, 10.45); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.397 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.63 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 0.476 W/kg
SAR(1 g) = 0.340 W/kg; SAR(10 g) = 0.245 W/kg
Maximum value of SAR (measured) = 0.415 W/kg



0 dB = 0.415 W/kg = -3.82 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/7 PM 02:30:47
166_LTE Band 17 CH23800_QPSK_BW 10MHz_1 RB size 24 RB offset_Side2_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

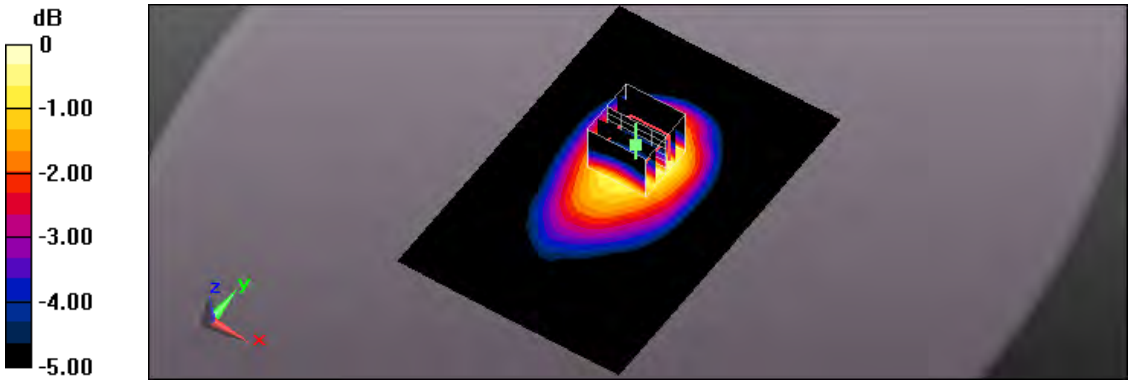
Communication System: UID 0, Generic LTE (0); Frequency: 711 MHz;Duty Cycle: 1:1
Medium parameters used: f = 711 MHz; σ = 0.958 S/m; ε_r = 54.522; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(10.45, 10.45, 10.45); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.388 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.67 V/m; Power Drift = 0.19 dB
Peak SAR (extrapolated) = 0.444 W/kg
SAR(1 g) = 0.307 W/kg; SAR(10 g) = 0.227 W/kg
Maximum value of SAR (measured) = 0.363 W/kg



0 dB = 0.363 W/kg = -4.40 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/7 PM 06:02:44
156_LTE Band 17 CH23790_QPSK_BW 10MHz_1 RB size 49 RB offset_Side3_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

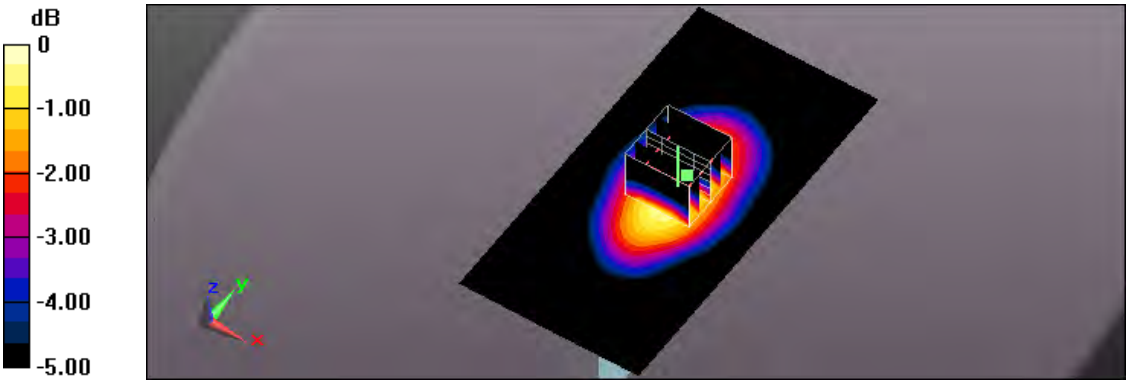
Communication System: UID 0, Generic LTE (0); Frequency: 710 MHz;Duty Cycle: 1:1
Medium parameters used: f = 710 MHz; σ = 0.956 S/m; ε_r = 54.548; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(10.45, 10.45, 10.45); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.113 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.51 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 0.140 W/kg
SAR(1 g) = 0.097 W/kg; SAR(10 g) = 0.068 W/kg
Maximum value of SAR (measured) = 0.120 W/kg



0 dB = 0.120 W/kg = -9.21 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/7 PM 07:48:12
157_LTE Band 17 CH23790_QPSK_BW 10MHz_1 RB size 49 RB offset_Side4_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

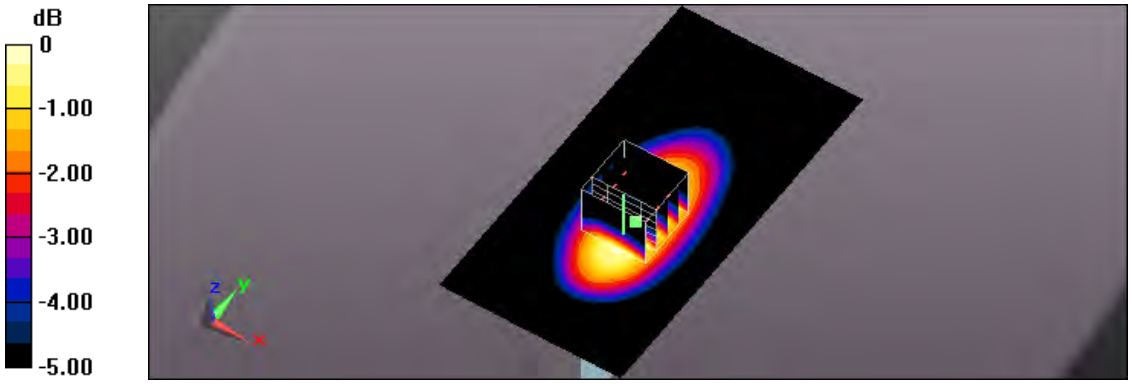
Communication System: UID 0, Generic LTE (0); Frequency: 710 MHz;Duty Cycle: 1:1
Medium parameters used: f = 710 MHz; σ = 0.956 S/m; ε_r = 54.548; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(10.45, 10.45, 10.45); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.228 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.67 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 0.264 W/kg
SAR(1 g) = 0.184 W/kg; SAR(10 g) = 0.130 W/kg
Maximum value of SAR (measured) = 0.221 W/kg



0 dB = 0.221 W/kg = -6.56 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/7 PM 09:35:08
159_LTE Band 17 CH23790_QPSK_BW 10MHz_1 RB size 49 RB offset_Side6_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

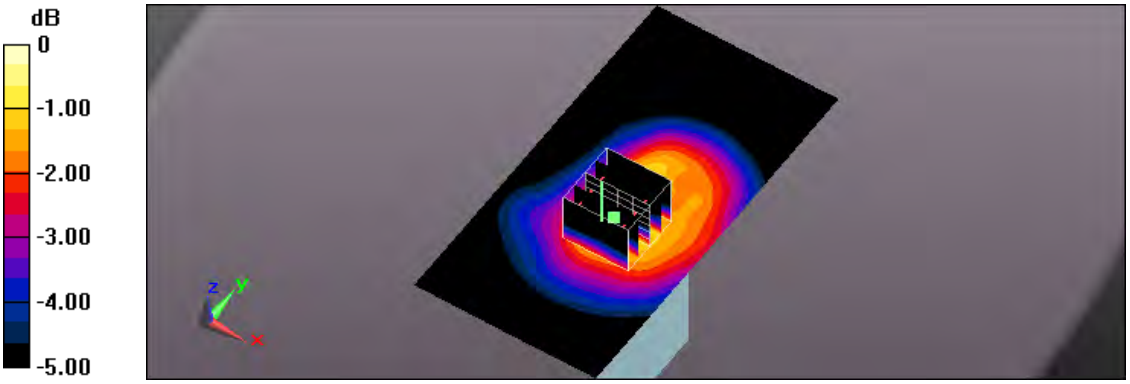
Communication System: UID 0, Generic LTE (0); Frequency: 710 MHz;Duty Cycle: 1:1
Medium parameters used: f = 710 MHz; σ = 0.956 S/m; ε_r = 54.548; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(10.45, 10.45, 10.45); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.0424 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.292 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.0550 W/kg
SAR(1 g) = 0.030 W/kg; SAR(10 g) = 0.019 W/kg
Maximum value of SAR (measured) = 0.0414 W/kg



0 dB = 0.0414 W/kg = -13.83 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/7 PM 10:14:50
154_LTE Band 17 CH23790_QPSK_BW 10MHz_25 RB size 25 RB offset_Side1_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

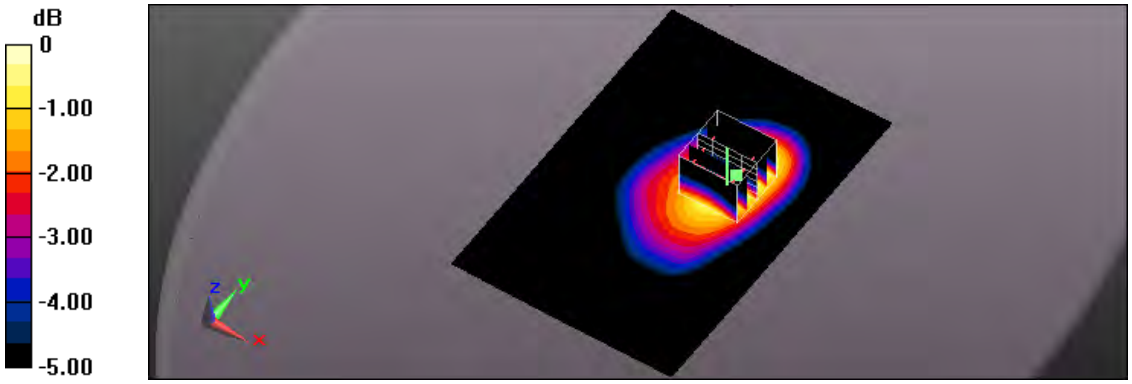
Communication System: UID 0, Generic LTE (0); Frequency: 710 MHz;Duty Cycle: 1:1
Medium parameters used: f = 710 MHz; σ = 0.956 S/m; ε_r = 54.548; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(10.45, 10.45, 10.45); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.274 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.69 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.314 W/kg
SAR(1 g) = 0.213 W/kg; SAR(10 g) = 0.153 W/kg
Maximum value of SAR (measured) = 0.257 W/kg



0 dB = 0.257 W/kg = -5.90 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/7 PM 01:41:15
160_LTE Band 17 CH23790_QPSK_BW 10MHz_25 RB size 25 RB offset_Side2_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

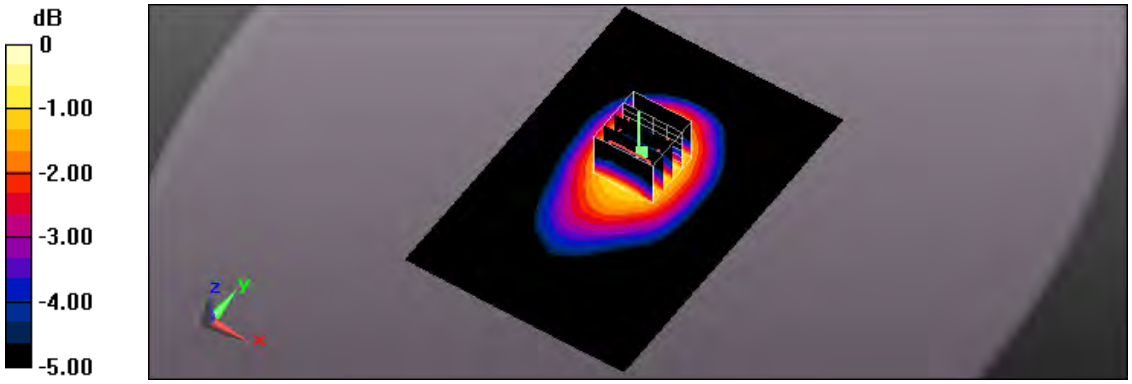
Communication System: UID 0, Generic LTE (0); Frequency: 710 MHz;Duty Cycle: 1:1
Medium parameters used: f = 710 MHz; σ = 0.956 S/m; ε_r = 54.548; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(10.45, 10.45, 10.45); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.313 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.01 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.358 W/kg
SAR(1 g) = 0.254 W/kg; SAR(10 g) = 0.184 W/kg
Maximum value of SAR (measured) = 0.308 W/kg



0 dB = 0.308 W/kg = -5.11 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/7 PM 06:34:54
161_LTE Band 17 CH23790_QPSK_BW 10MHz_25 RB size 25 RB offset_Side3_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

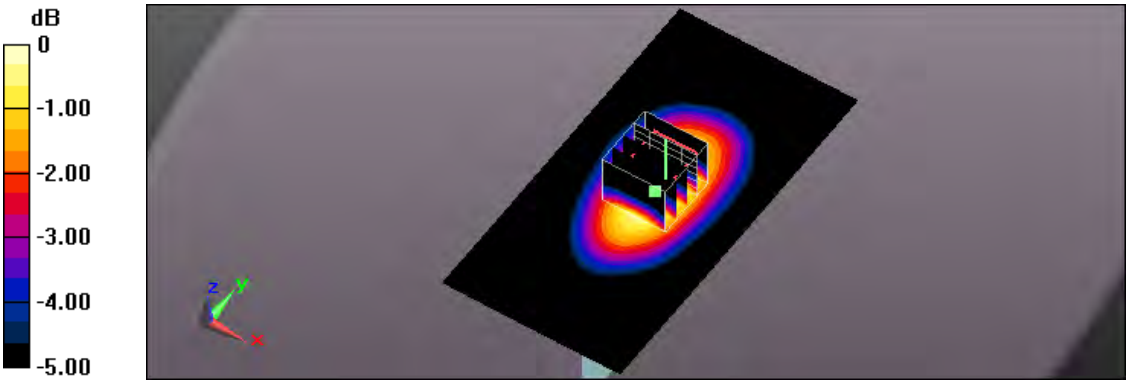
Communication System: UID 0, Generic LTE (0); Frequency: 710 MHz;Duty Cycle: 1:1
Medium parameters used: f = 710 MHz; σ = 0.956 S/m; ε_r = 54.548; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(10.45, 10.45, 10.45); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.0942 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.567 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.108 W/kg
SAR(1 g) = 0.075 W/kg; SAR(10 g) = 0.053 W/kg
Maximum value of SAR (measured) = 0.0915 W/kg



0 dB = 0.0915 W/kg = -10.39 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/7 PM 07:29:04
162_LTE Band 17 CH23790_QPSK_BW 10MHz_25 RB size 25 RB offset_Side4_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

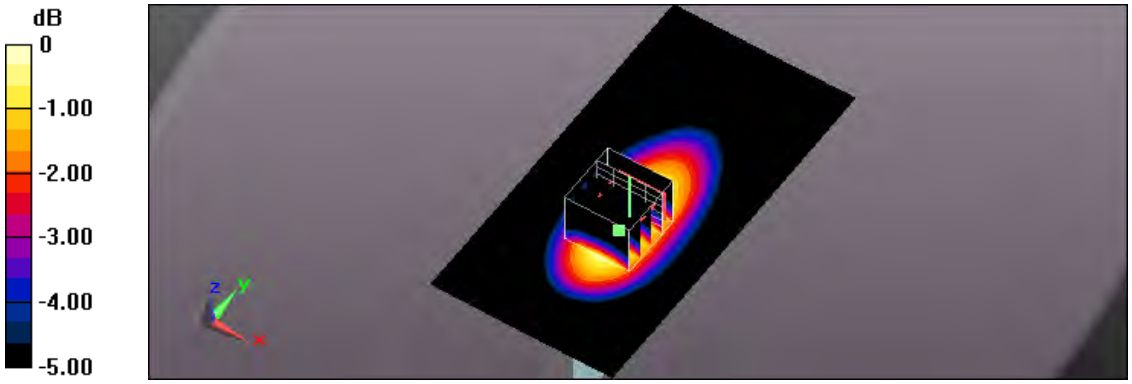
Communication System: UID 0, Generic LTE (0); Frequency: 710 MHz;Duty Cycle: 1:1
Medium parameters used: f = 710 MHz; σ = 0.956 S/m; ε_r = 54.548; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(10.45, 10.45, 10.45); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.177 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.47 V/m; Power Drift = 0.18 dB
Peak SAR (extrapolated) = 0.211 W/kg
SAR(1 g) = 0.144 W/kg; SAR(10 g) = 0.100 W/kg
Maximum value of SAR (measured) = 0.178 W/kg



0 dB = 0.178 W/kg = -7.50 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/7 PM 09:03:24
164_LTE Band 17 CH23790_QPSK_BW 10MHz_25 RB size 25 RB offset_Side6_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

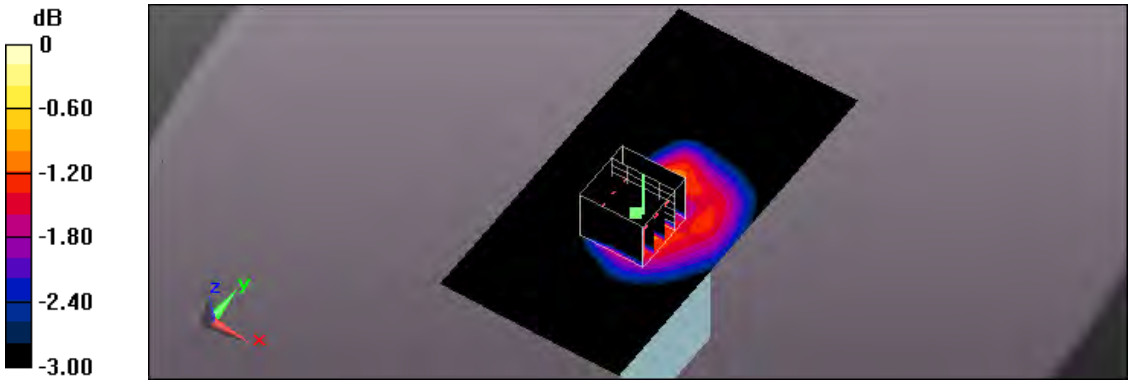
Communication System: UID 0, Generic LTE (0); Frequency: 710 MHz;Duty Cycle: 1:1
Medium parameters used: f = 710 MHz; σ = 0.956 S/m; ε_r = 54.548; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(10.45, 10.45, 10.45); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.0309 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.598 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.0410 W/kg
SAR(1 g) = 0.023 W/kg; SAR(10 g) = 0.015 W/kg
Maximum value of SAR (measured) = 0.0320 W/kg



0 dB = 0.0320 W/kg = -14.95 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/5 PM 11:54:25
138_LTE Band 41 CH40620_QPSK_BW 20MHz_1 RB size 0 RB offset_Side1_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

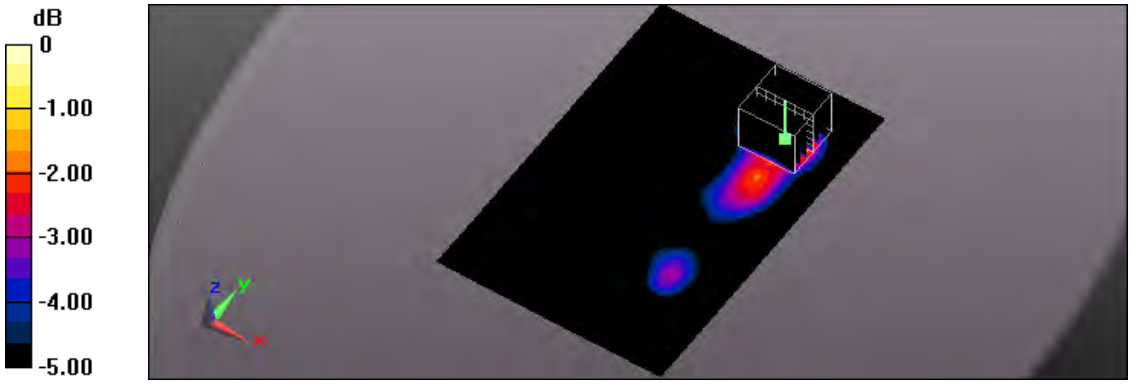
Communication System: UID 0, Generic LTE (0); Frequency: 2593 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2593 MHz; σ = 2.189 S/m; ε_r = 50.822; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(7.4, 7.4, 7.4); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (121x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.194 W/kg

Flat/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.666 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 0.270 W/kg
SAR(1 g) = 0.135 W/kg; SAR(10 g) = 0.067 W/kg
Maximum value of SAR (measured) = 0.200 W/kg



0 dB = 0.200 W/kg = -6.99 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/7 AM 12:05:57
139_LTE Band 41 CH40620_QPSK_BW 20MHz_1 RB size 0 RB offset_Side2_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

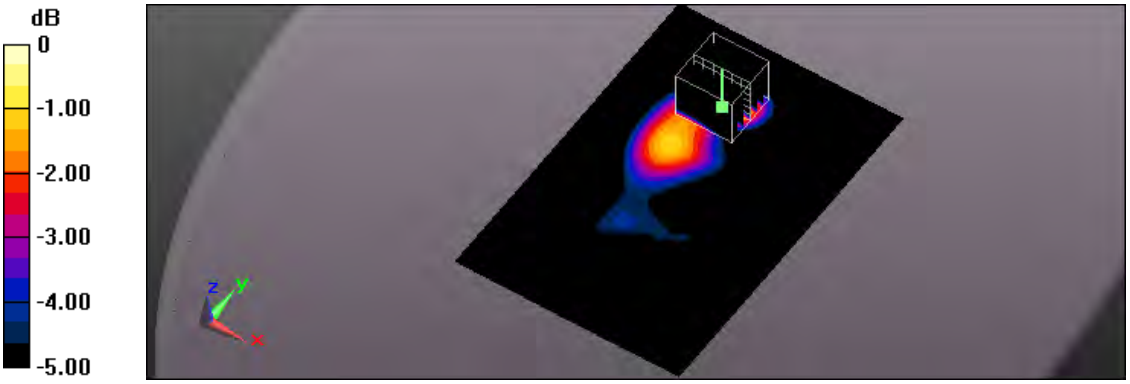
Communication System: UID 0, Generic LTE (0); Frequency: 2593 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2593 MHz; σ = 2.189 S/m; ε_r = 50.822; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(7.4, 7.4, 7.4); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (121x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.310 W/kg

Flat/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 6.723 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.415 W/kg
SAR(1 g) = 0.207 W/kg; SAR(10 g) = 0.102 W/kg
Maximum value of SAR (measured) = 0.304 W/kg



0 dB = 0.304 W/kg = -5.17 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/5 PM 07:14:15
140_LTE Band 41 CH40620_QPSK_BW 20MHz_1 RB size 0 RB offset_Side3_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

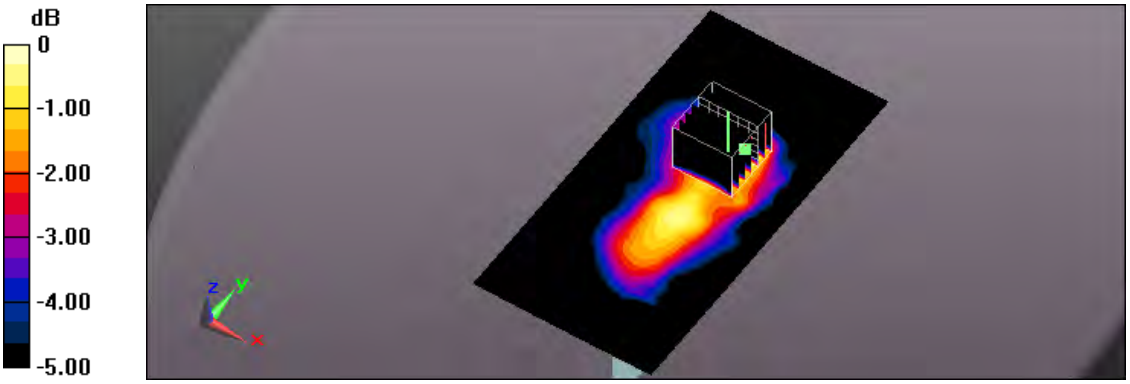
Communication System: UID 0, Generic LTE (0); Frequency: 2593 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2593 MHz; σ = 2.189 S/m; ε_r = 50.822; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(7.4, 7.4, 7.4); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (91x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.0300 W/kg

Flat/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.271 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 0.0420 W/kg
SAR(1 g) = 0.021 W/kg; SAR(10 g) = 0.011 W/kg
Maximum value of SAR (measured) = 0.0297 W/kg



0 dB = 0.0297 W/kg = -15.27 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/7 AM 01:15:30
151_LTE Band 41 CH39750_QPSK_BW 20MHz_1 RB size 99 RB offset_Side4_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

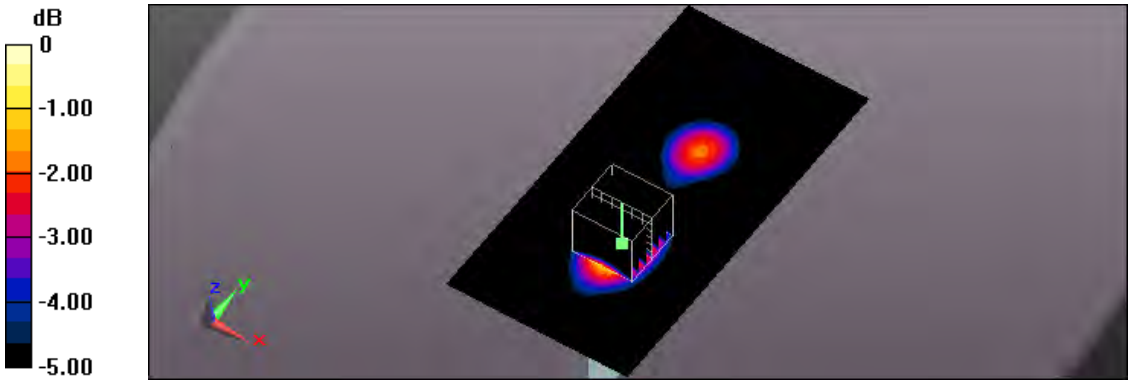
Communication System: UID 0, Generic LTE (0); Frequency: 2506 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2506 MHz; σ = 2.088 S/m; ε_r = 51.219; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(7.4, 7.4, 7.4); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (91x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.357 W/kg

Flat/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.757 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.483 W/kg
SAR(1 g) = 0.252 W/kg; SAR(10 g) = 0.135 W/kg
Maximum value of SAR (measured) = 0.360 W/kg



0 dB = 0.360 W/kg = -4.44 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/5 PM 09:35:29
141_LTE Band 41 CH40620_QPSK_BW 20MHz_1 RB size 0 RB offset_Side4_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

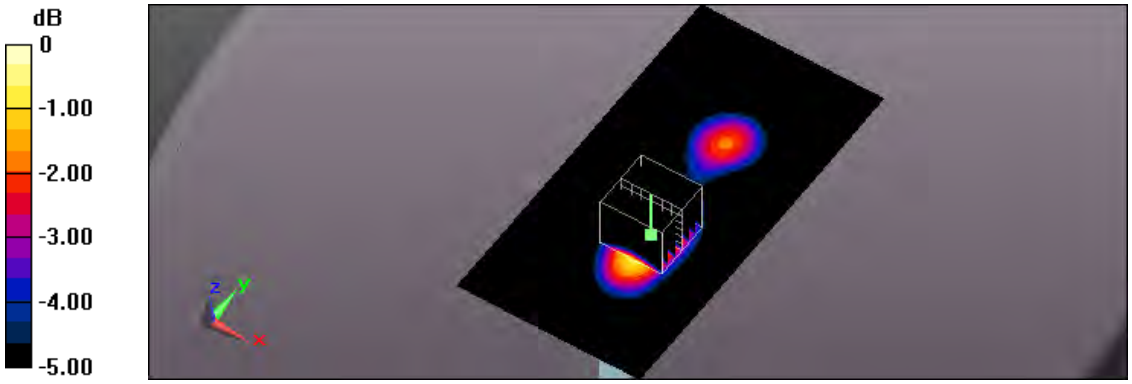
Communication System: UID 0, Generic LTE (0); Frequency: 2593 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2593 MHz; σ = 2.189 S/m; ε_r = 50.822; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(7.4, 7.4, 7.4); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (91x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.315 W/kg

Flat/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.538 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.423 W/kg
SAR(1 g) = 0.220 W/kg; SAR(10 g) = 0.117 W/kg
Maximum value of SAR (measured) = 0.317 W/kg



0 dB = 0.317 W/kg = -4.99 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/7 AM 03:33:12
152_LTE Band 41 CH41490_QPSK_BW 20MHz_1 RB size 99 RB offset_Side4_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

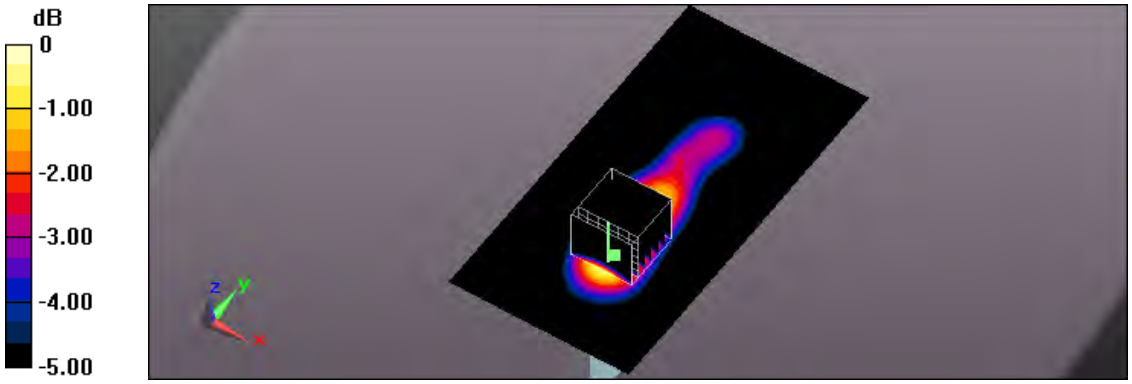
Communication System: UID 0, Generic LTE (0); Frequency: 2680 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2680 MHz; σ = 2.226 S/m; ε_r = 51.363; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(7.4, 7.4, 7.4); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (91x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.261 W/kg

Flat/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 9.364 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 0.350 W/kg
SAR(1 g) = 0.172 W/kg; SAR(10 g) = 0.090 W/kg
Maximum value of SAR (measured) = 0.252 W/kg



0 dB = 0.252 W/kg = -5.99 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/5 PM 02:48:58
143_LTE Band 41 CH40620_QPSK_BW 20MHz_1 RB size 0 RB offset_Side6_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

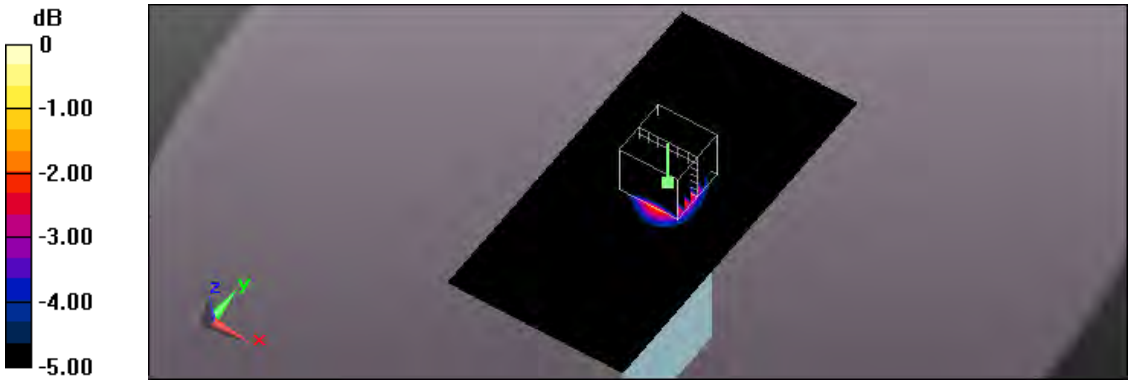
Communication System: UID 0, Generic LTE (0); Frequency: 2593 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2593 MHz; σ = 2.189 S/m; ε_r = 50.822; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(7.4, 7.4, 7.4); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (91x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.251 W/kg

Flat/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 9.854 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.334 W/kg
SAR(1 g) = 0.174 W/kg; SAR(10 g) = 0.089 W/kg
Maximum value of SAR (measured) = 0.252 W/kg



0 dB = 0.252 W/kg = -5.99 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/6 AM 01:09:07
144_LTE Band 41 CH40620_QPSK_BW 20MHz_50 RB size 0 RB offset_Side1_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

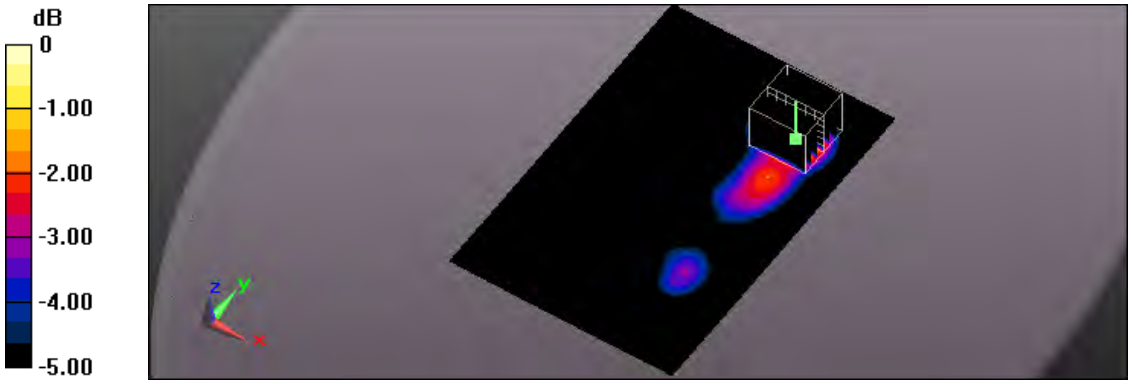
Communication System: UID 0, Generic LTE (0); Frequency: 2593 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2593 MHz; σ = 2.189 S/m; ε_r = 50.822; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(7.4, 7.4, 7.4); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (121x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.145 W/kg

Flat/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.813 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 0.202 W/kg
SAR(1 g) = 0.100 W/kg; SAR(10 g) = 0.050 W/kg
Maximum value of SAR (measured) = 0.148 W/kg



0 dB = 0.148 W/kg = -8.30 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/6 AM 01:52:06
145_LTE Band 41 CH40620_QPSK_BW 20MHz_50 RB size 0 RB offset_Side2_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

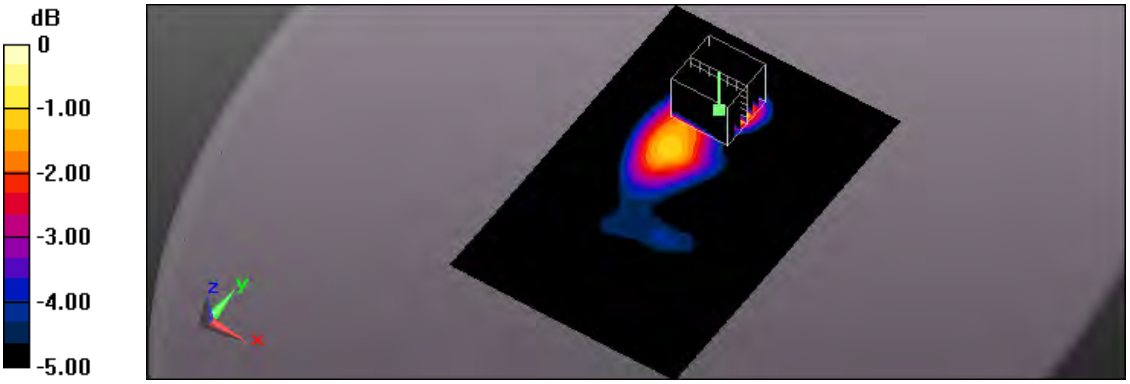
Communication System: UID 0, Generic LTE (0); Frequency: 2593 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2593 MHz; σ = 2.189 S/m; ε_r = 50.822; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(7.4, 7.4, 7.4); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (121x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.205 W/kg

Flat/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.685 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.277 W/kg
SAR(1 g) = 0.138 W/kg; SAR(10 g) = 0.069 W/kg
Maximum value of SAR (measured) = 0.204 W/kg



0 dB = 0.204 W/kg = -6.90 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/5 PM 08:19:06
146_LTE Band 41 CH40620_QPSK_BW 20MHz_50 RB size 0 RB offset_Side3_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

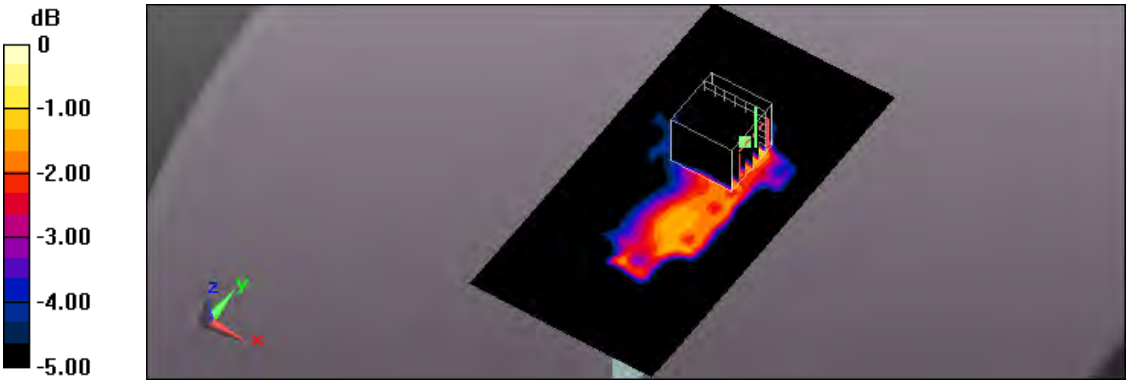
Communication System: UID 0, Generic LTE (0); Frequency: 2593 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2593 MHz; σ = 2.189 S/m; ε_r = 50.822; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(7.4, 7.4, 7.4); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (91x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.0230 W/kg

Flat/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.656 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.0410 W/kg
SAR(1 g) = 0.015 W/kg; SAR(10 g) = 0.00788 W/kg
Maximum value of SAR (measured) = 0.0248 W/kg



0 dB = 0.0248 W/kg = -16.06 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/5 PM 08:59:49
147_LTE Band 41 CH40620_QPSK_BW 20MHz_50 RB size 0 RB offset_Side4_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

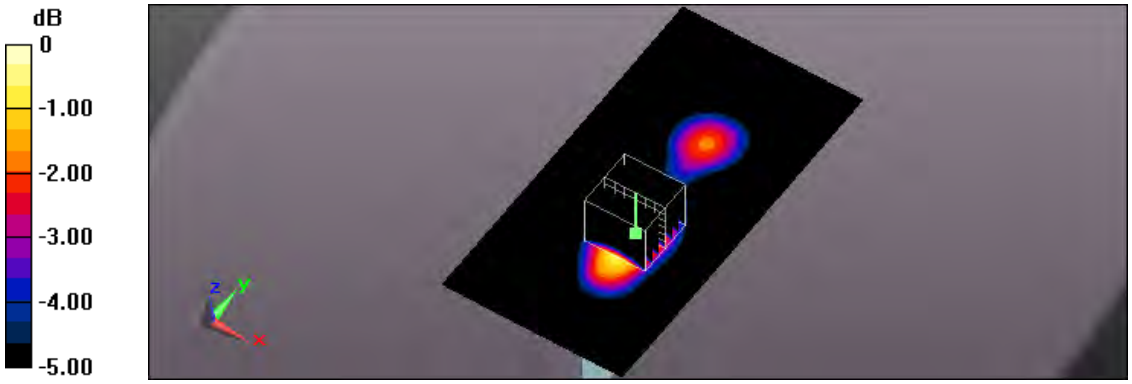
Communication System: UID 0, Generic LTE (0); Frequency: 2593 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2593 MHz; σ = 2.189 S/m; ε_r = 50.822; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(7.4, 7.4, 7.4); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (91x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.230 W/kg

Flat/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.370 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 0.308 W/kg
SAR(1 g) = 0.162 W/kg; SAR(10 g) = 0.086 W/kg
Maximum value of SAR (measured) = 0.230 W/kg



0 dB = 0.230 W/kg = -6.38 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/5 PM 03:22:16
149_LTE Band 41 CH40620_QPSK_BW 20MHz_50 RB size 0 RB offset_Side6_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

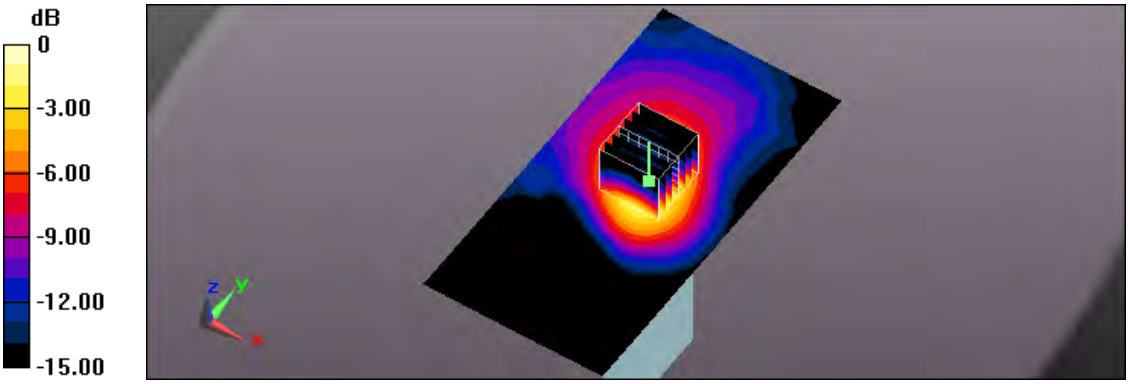
Communication System: UID 0, Generic LTE (0); Frequency: 2593 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2593 MHz; σ = 2.189 S/m; ε_r = 50.822; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(7.4, 7.4, 7.4); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (91x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.188 W/kg

Flat/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.423 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.237 W/kg
SAR(1 g) = 0.126 W/kg; SAR(10 g) = 0.064 W/kg
Maximum value of SAR (measured) = 0.180 W/kg



0 dB = 0.180 W/kg = -7.45 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/1 PM 01:38:11
71_LTE Band 2 CH19100_QPSK_BW 20MHz_1 RB size 99 RB offset_Side2_10mm_original 58_measurement once
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

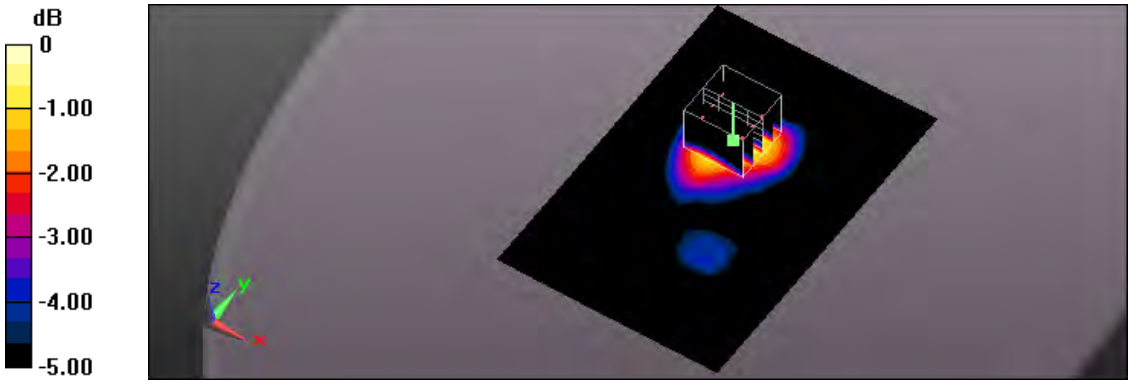
Communication System: UID 0, Generic LTE (0); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.583 S/m; ε_r = 52.147; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(7.92, 7.92, 7.92); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.08 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.03 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 1.27 W/kg
SAR(1 g) = 0.780 W/kg; SAR(10 g) = 0.471 W/kg
Maximum value of SAR (measured) = 1.02 W/kg



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

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/3/30 AM 02:32:54
6_LTE Band 4 CH20300_QPSK_BW 20MHz_1 RB size 0 RB offset_Side2_10mm_original 5_measurement once
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

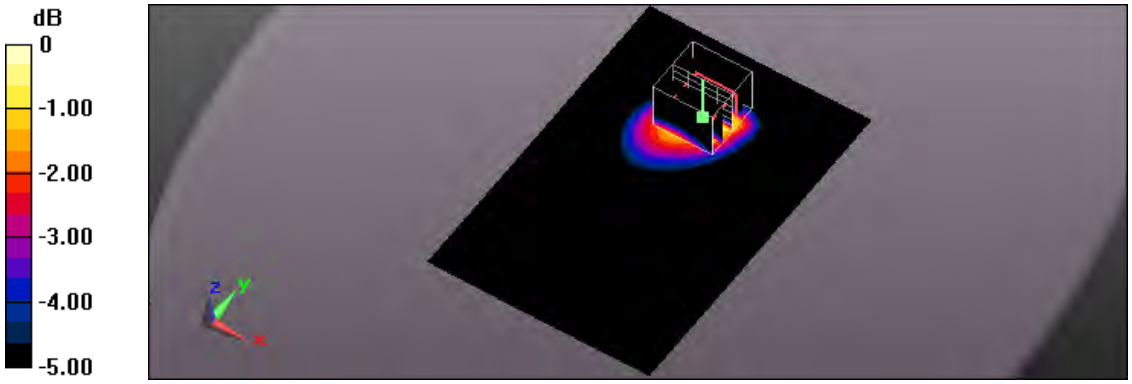
Communication System: UID 0, Generic LTE (0); Frequency: 1745 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1745 MHz; σ = 1.524 S/m; ε_r = 52.393; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(8.22, 8.22, 8.22); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.14 W/kg

Flat/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.39 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 1.52 W/kg
SAR(1 g) = 0.868 W/kg; SAR(10 g) = 0.497 W/kg
Maximum value of SAR (measured) = 1.18 W/kg



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

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/4 PM 12:28:23
133_LTE Band 7 CH20850_QPSK_BW 20MHz_1 RB size 99 RB offset_Side2_10mm_original 128_measurement once
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

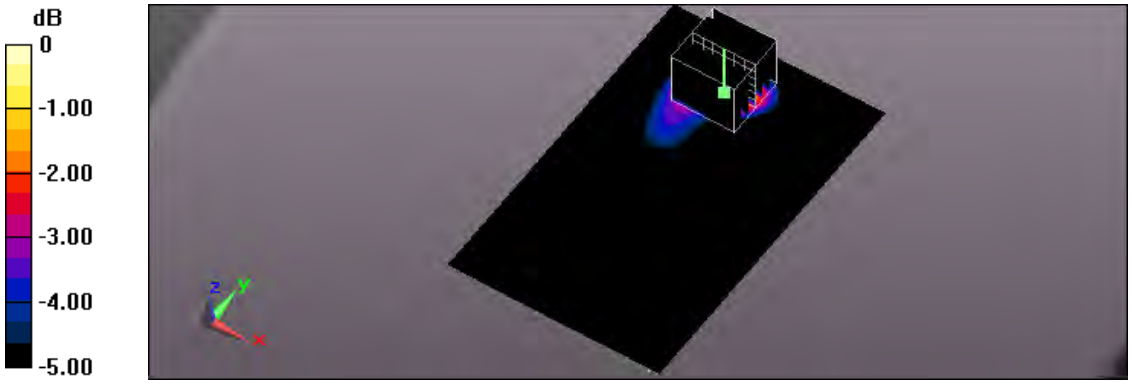
Communication System: UID 0, Generic LTE (0); Frequency: 2510 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2510 MHz; σ = 2.096 S/m; ε_r = 51.179; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(7.4, 7.4, 7.4); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (101x161x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.55 W/kg

Flat/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 13.64 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 2.09 W/kg
SAR(1 g) = 1.07 W/kg; SAR(10 g) = 0.527 W/kg
Maximum value of SAR (measured) = 1.57 W/kg



0 dB = 1.57 W/kg = 1.96 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date/Time: 2017/4/11 AM 09:23:13
172_IEEE 802.11b CH1_1M_Side1_10mm
DUT: T3; Type: 4G Wireless Data Terminal; FCC ID : 2AIC4-TGT3

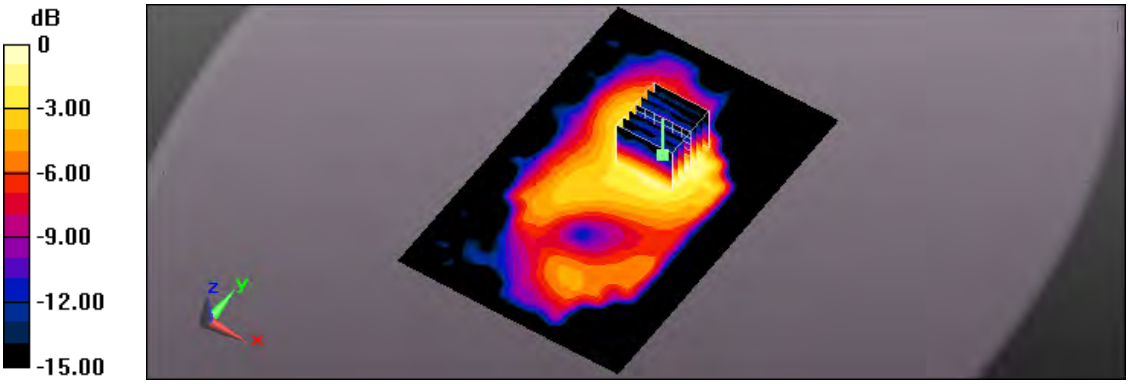
Communication System: UID 0, IEEE 802.11b (0); Frequency: 2412 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2412 MHz; σ = 1.935 S/m; ε_r = 52.681; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7350; ConvF(7.5, 7.5, 7.5); Calibrated: 2016/12/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2017/2/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1036
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Flat/Area Scan (121x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.0580 W/kg

Flat/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.929 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.0740 W/kg
SAR(1 g) = 0.044 W/kg; SAR(10 g) = 0.025 W/kg
Maximum value of SAR (measured) = 0.0586 W/kg



0 dB = 0.0586 W/kg = -12.32 dBW/kg