



SAR Test Report

Report No.: STS2601095H01

Issued for

Shenzhen DOOGEE Hengtong Technology CO.,LTD
B, 2/F, Building A4, Silicon Valley Power Digital Industrial
Park, No. 22, Dafu Industrial Zone, Guanlan Aobei
Community, Guanlan Street, Longhua New District,
Shenzhen, Guangdong China

Product Name: Tablet

Brand Name: DOOGEE

Model Name: Tab G5

Series Model(s): Tab G5+, Tab G5 Pro, Tab G5 Pro+, Tab G5
Max, Tab G5 Ultra

FCC ID: 2AX4YTABG5

Test Standard: ANSI/IEEE Std. C95.1
FCC 47 CFR Part 2 (2.1093)
IEEE Std. 1528-2013

Max. Report
SAR(1g): Body: 0.852 W/kg

The test results presented in this report relate only to the object tested. This report shall not be reproduced, except in full, without the written approval of the Shenzhen STS Test Services Co., Ltd.

**TEST REPORT CERTIFICATION**

Applicant's name : Shenzhen DOOGEE Hengtong Technology CO.,LTD
B, 2/F, Building A4, Silicon Valley Power Digital Industrial Park,
Address : No. 22, Dafu Industrial Zone, Guanlan Aobei Community,
Guanlan Street, Longhua New District, Shenzhen, Guangdong
China
Manufacturer's Name : Shenzhen DOOGEE Hengtong Technology CO.,LTD
B, 2/F, Building A4, Silicon Valley Power Digital Industrial Park,
Address : No. 22, Dafu Industrial Zone, Guanlan Aobei Community,
Guanlan Street, Longhua New District, Shenzhen, Guangdong
China

Product description

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ANSI/IEEE Std. C95.1
Standards : FCC 47 CFR Part 2 (2.1093)
IEEE Std. 1528-2013

The device was tested by Shenzhen STS Test Services Co., Ltd. in accordance with the measurement methods and procedures specified in KDB 865664 The test results in this report apply only to the tested sample of the stated device/equipment. Other similar device/equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.

Date of Test

Date (s) of performance of tests..... : 3 Dec. 2025 ~ 6 Dec. 2025

Date of Issue..... : 1 Feb. 2026

Test Result..... : **Pass**

Testing Engineer :

Xin Liu

(Xin.Liu)

Technical Manager :

Shi fan-long

(Shifan. Long)

Authorized Signatory :

Bovey Yang

(Bovey Yang)





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**Revision History**

Rev.	Issue Date	Report No.	Effect Page	Contents
00	1 Feb. 2026	STS2601095H01	ALL	Initial Issue



1. General Information

Environmental evaluation measurements of specific absorption rate (SAR) distributions in emulated human head and body tissues exposed to radio frequency (RF) radiation from wireless portable devices for compliance with the rules and regulations of the U.S. Federal Communications Commission (FCC).

1.1 EUT Description

Product Name	Tablet		
Brand Name	DOOGEE		
Model Name	Tab G5		
Series Model	Tab G5+, Tab G5 Pro, Tab G5 Pro+, Tab G5 Max, Tab G5 Ultra		
Model Difference	Only differences in appearance color and memory		
Sample number	20251203003		
Battery	Rated Voltage: 3.85V Charge Limit Voltage: 4.4V Capacity: 7500mAh		
Device Category	Portable		
Product stage	Production unit		
RF Exposure Environment	General Population / Uncontrolled		
Hardware Version	L30-T616ES-V2.0-250925-Q		
Software Version	DOOGEE-Tab G5-EEA-Android16.0-20251126		
Frequency Range	GSM 850: 824 MHz ~ 849 MHz PCS1900: 1850 MHz ~ 1910 MHz WCDMA Band II: 1850 MHz ~ 1910 MHz WCDMA Band IV: 1710 MHz ~ 1755 MHz WCDMA Band V: 824 MHz ~ 849 MHz LTE Band 2: 1850 MHz ~ 1910 MHz LTE Band 4: 1710 MHz ~ 1755 MHz LTE Band 5: 824 MHz ~ 849 MHz LTE Band 25: 1850 MHz ~ 1915 MHz LTE Band 26: 814 MHz ~ 824 MHz / 824 MHz ~ 849 MHz LTE Band 66: 1710 MHz ~ 1780 MHz WLAN 802.11b/g/n20: 2412 MHz ~ 2462 MHz WLAN 802.11n40: 2422 MHz ~ 2452 MHz WLAN 802.11a/n20/n40/ac20/ac40/ac80: 5150 ~ 5250 MHz WLAN 802.11a/n20/n40/ac20/ac40/ac80: 5725 ~ 5850 MHz Bluetooth: 2402 MHz to 2480 MHz		
Max. Reported SAR(1g): (Limit: 1.6W/kg) Test distance: Body: 0mm	Band	Mode	Body(W/kg)
	PCB	GSM 850	0.625
	PCB	GSM 1900	0.628
	PCB	WCDMA Band II	0.687
	PCB	WCDMA Band V	0.852
	PCB	WCDMA Band IV	0.716
	PCB	LTE Band 2	0.650
	PCB	LTE Band 4	0.538
	PCB	LTE Band 5	0.603
	PCB	LTE Band 25	0.685
	PCB	LTE Band 26	0.212
	PCB	LTE Band 66	0.574



	DTS	2.4G WLAN	0.301
	DSS	BT	0.091
	NII	5.2G WLAN	0.484
	NII	5.8G WLAN	0.330
1-g Sum SAR			0.852
FCC Equipment Class	Licensed Portable Transmitter Held to Body (PCB) Part 15 Spread Spectrum Transmitter (DSS) Digital Transmission System (DTS) Unlicensed National Information Infrastructure TX(NII)		
Operating Mode:	GSM: GSM Voice; GPRS/EGPRS Class 12 WCDMA: RMC, HSDPA, HSUPA Release 6 LTE: QPSK, 16QAM 2.4G WLAN : 802.11b(DSSS):CCK,DQPSK,DBPSK 802.11g(OFDM):BPSK,QPSK,16-QAM,64-QAM 802.11n(OFDM):BPSK,QPSK,16-QAM,64-QAM 5G WLAN: 802.11a(OFDM):BPSK,QPSK,16-QAM,64-QAM 802.11n(OFDM):BPSK,QPSK,16-QAM,64-QAM 802.11ac(OFDM):BPSK,QPSK,16-QAM,64-QAM Bluetooth: GFSK + π /4DQPSK+8DPSK		
Antenna Specification:	GSM/WCDMA/LTE: PIFA Antenna Bluetooth: PIFA Antenna WLAN: PIFA Antenna		
SIM Card	Support dual-SIM, dual standby, the multiple SIM card with two lines cannot transmitting at the same time		

1.2 Test Environment

Ambient conditions in the SAR laboratory:

Items	Required
Temperature (°C)	18-25
Humidity (%RH)	30-70

1.3 Test Factory

ShenZhen STS Test Services Co.,Ltd.

A 1/F, Building B, Zhuoke Science Park, No.190 Chongqing Road, HepingShequ, Fuyong Sub-District, Bao'an District, Shenzhen, Guang Dong, China

FCC test Firm Registration No.: 625569

IC Registration No.: 12108A

A2LA Certificate No.: 4338.01



2. Test Standards and Limits

No.	Identity	Document Title
1	47 CFR Part 2	Frequency Allocations and Radio Treaty Matters; General Rules and Regulations
2	IEEE Std C95.1, 2019	IEEE Standard for Safety Levels with Respect to Human Exposure to Electric, Magnetic, and Electromagnetic Fields, 0 Hz to 300 GHz. It specifies the maximum exposure limit of 1.6 W/kg as averaged over any 1 gram of tissue for portable devices being used within 20 cm of the user in the uncontrolled environment.
3	IEEE Std. 1528-2013	Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques
4	FCC KDB 447498 D04 v01	RF Exposure Procedures and Equipment Authorization Policies for Mobile and Portable Devices
5	FCC KDB 865664 D01 v01r04	SAR Measurement 100 MHz to 6 GHz
6	FCC KDB 865664 D02 v01r02	RF Exposure Reporting
7	FCC KDB 941225 D01 v03r01	SAR Measurement Procedures for 3G Devices
8	FCC KDB 941225 D05 v02r05	SAR for LTE Devices
9	FCC KDB 616217 D04 v01r02	SAR for laptop and tablets (Body 0cm)
10	FCC KDB 248227 D01 Wi-Fi SAR v02r02	SAR Considerations for 802.11 Devices

(A). Limits for Occupational/Controlled Exposure (W/kg)

Whole-Body	Partial-Body	Hands, Wrists, Feet and Ankles
0.4	8.0	20.0

(B). Limits for General Population/Uncontrolled Exposure (W/kg)

Whole-Body	Partial-Body	Hands, Wrists, Feet and Ankles
0.08	1.6	4.0

NOTE: Whole-Body SAR is averaged over the entire body, partial-body SAR is averaged over any 1 gram of tissue defined as a tissue volume in the shape of a cube. SAR for hands, wrists, feet and ankles is averaged over any 10 grams of tissue defined as a tissue volume in the shape of a cube.

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 people who are aware of the potential for exposure, (i.e. as a result of employment or occupation).

NOTE

GENERAL POPULATION/UNCONTROLLED EXPOSURE

PARTIAL BODY LIMIT

1.6 W/kg

3. SAR Measurement System

3.1 Definition of Specific Absorption Rate (SAR)

SAR is related to the rate at which energy is absorbed per unit mass in an object exposed to a radio field. The SAR distribution in a biological body is complicated and is usually carried out by experimental techniques or numerical modeling. The standard recommends limits for two tiers of groups, occupational/controlled and general population/uncontrolled, based on a person's awareness and ability to exercise control over his or her exposure. In general, occupational/controlled exposure limits are higher than the limits for general population/uncontrolled.

The SAR definition is 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). The equation description is as below:

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

SAR is expressed in units of Watts per kilogram (W/kg) SAR measurement can be related to the electrical field in the tissue by

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

Where: σ is the conductivity of the tissue,

ρ is the mass density of the tissue and E is the RMS electrical field strength.

3.2 SAR System

The DASY5 system for performing compliance tests consists of the following items:

A standard high precision 6-axis robot (Stäubli RX family) with controller and software. An arm extension for accommodating the data acquisition electronics (DAE).

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.

A data acquisition electronic (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.

A unit to operate the optical surface detector which is connected to the EOC.

The Electro-Optical Coupler (EOC) performs the conversion from the optical into a digital electric signal of the DAE. The EOC is connected to the DASY5 measurement server.

The DASY5 measurement server, which performs all real-time data evaluation for field measurements and surface detection, controls robot movements and handles safety operation. A computer operating Windows 2003.

DASY5 software and SEMCAD data evaluation software.

Remote control with teach panel and additional circuitry for robot safety such as warning lamps, etc.



System validation dipoles allowing to validate the proper functioning of the system.



3.3 DASY5 E-field Probe System

The SAR measurements were conducted with the dosimetric probe ES3DV3 (manufactured by SPEAG), designed in the classical triangular configuration and optimized for dosimetric evaluation.

Probe Specification

Construction Symmetrical design with triangular core
Interleaved sensors
Built-in shielding against static charges
PEEK enclosure material (resistant to organic solvents, e.g., DGBE)

Calibration ISO/IEC 17025 calibration service available.

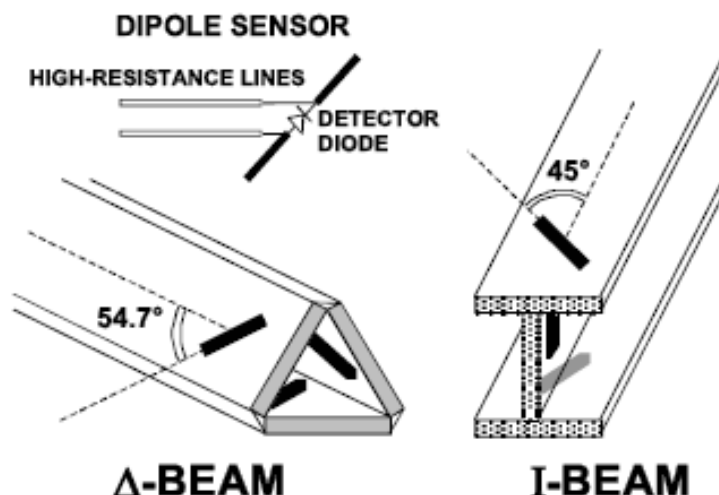
Frequency	10 MHz to 4 GHz; Linearity: ± 0.2 dB (30 MHz to 4 GHz)
Directivity	± 0.2 dB in HSL (rotation around probe axis) ± 0.3 dB in tissue material (rotation normal to probe axis)
Dynamic Range	5 μ W/g to > 100 mW/g; Linearity: ± 0.2 dB
Dimensions	Overall length: 337 mm (Tip: 20 mm) Tip diameter: 3.9 mm (Body: 12 mm) Distance from probe tip to dipole centers: 2.0 mm
Application	General dosimetry up to 4 GHz Dosimetry in strong gradient fields Compliance tests of Mobile Phones
Compatibility	DASY3, DASY5, DASY52 SAR and higher, EASY4/MRI



Isotropic E-Field Probe

The isotropic E-Field probe has been fully calibrated and assessed for isotropicity, and boundary effect within a controlled environment. Depending on the frequency for which the probe is calibrated the method utilized for calibration will change.

The E-Field probe utilizes a triangular sensor arrangement as detailed in the diagram below:



3.4 Phantoms

The phantom used for all tests i.e. for both system checks and device testing, was the twin-headed "SAM Phantom", manufactured by SPEAG. The SAM twin phantom is a fiberglass shell phantom with 2mm shell thickness (except the ear region, where shell thickness increases to 6mm). System checking was performed using the flat section, whilst Head SAR tests used the left and right head profile sections. Body SAR testing also used the flat section between the head profiles.

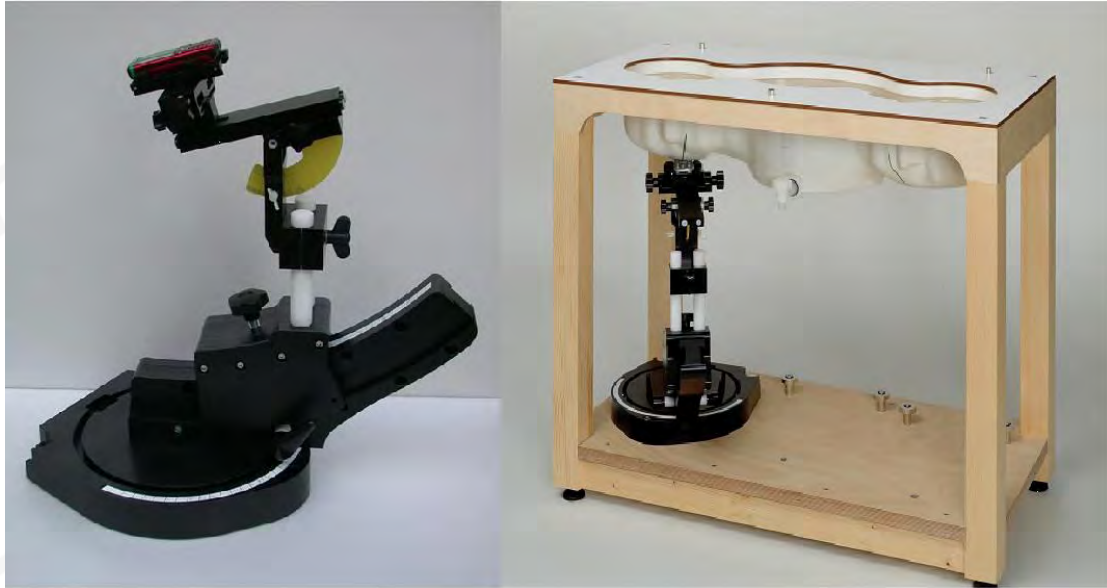


SAM Twin Phantom

3.5 Device Holder

The device was placed in the device holder (illustrated below) that is supplied by SPEAG as an integral part of the DASY system.

The DASY device holder is designed to cope with the different positions given in the standard. It has two scales for device rotation (with respect to the body axis) and device inclination (with respect to the line between the ear reference points). The rotation centers for both scales is the ear reference point (ERP). Thus the device needs no repositioning when changing the angles.



Device holder supplied by SPEAG

3.6 Scanning Procedure

The DASY5 installation includes predefined files with recommended procedures for measurements and validation. They are read-only document files and destined as fully defined but unmeasured masks. All test positions (head or body-worn) are tested with the same configuration of test steps differing only in the grid definition for the different test positions.

The “reference” and “drift” measurements are located at the beginning and end of the batch process. They measure the field drift at one single point in the liquid over the complete procedure. The indicated drift is mainly the variation of the DUT’s output power and should vary max. $\pm 5\%$.

The “surface check” measurement tests the optical surface detection system of the DASY5 system by repeatedly detecting the surface with the optical and mechanical surface detector and comparing the results. The output gives the detecting heights of both systems, the difference between the two systems and the standard deviation of the detection repeatability. Air bubbles or refraction in the liquid due to separation of the sugar-water mixture gives poor repeatability (above $\pm 0.1\text{mm}$). To prevent wrong results tests are only executed when the liquid is free of air bubbles. The difference between the optical surface detection and the actual surface depends on the probe and is specified with each probe (It does not depend on the surface reflectivity or the probe angle to the surface within $\pm 30^\circ$.)

Area Scan

The Area Scan is used as a fast scan in two dimensions to find the area of high field values before running a detailed measurement around the hot spot. Before starting the area scan a grid spacing of $15\text{ mm} \times 15\text{ mm}$ is set. During the scan the distance of the probe to the phantom remains unchanged. After finishing area scan, the field maxima within a range of 2 dB will be ascertained.

Zoom Scan

Zoom Scans are used to estimate the peak spatial SAR values within a cubic averaging volume



containing 1 g and 10 g of simulated tissue. The default Zoom Scan is done by 7x7x7 points within a cube whose base is centered around the maxima found in the preceding area scan.

Spatial Peak Detection

The procedure for spatial peak SAR evaluation has been implemented and can determine values of masses of 1g and 10g, as well as for user-specific masses. The DASY5 system allows evaluations that combine measured data and robot positions, such as: • maximum search • extrapolation • boundary correction • peak search for averaged SAR. During a maximum search, global and local maxima searches are automatically performed in 2-D after each Area Scan measurement with at least 6 measurement points. It is based on the evaluation of the local SAR gradient calculated by the Quadratic Shepard's method. The algorithm will find the global maximum and all local maxima within -2 dB of the global maxima for all SAR distributions.

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. Several measurements at different distances are necessary for the extrapolation. Extrapolation routines require at least 10 measurement points in 3-D space. They are used in the Zoom Scan to obtain SAR values between the lowest measurement points and the inner phantom surface. The routine uses the modified Quadratic Shepard's method for extrapolation. For a grid using 7x7x7 measurement points with 5mm resolution amounting to 343 measurement points, the uncertainty of the extrapolation routines is less than 1% for 1g and 10g cubes.

A Z-axis scan measures the total SAR value at the x-and y-position of the maximum SAR value found during the cube 7x7x7 scan. The probe is moved away in z-direction from the bottom of the SAM phantom in 5mm steps.

3.7 Data Storage and Evaluation

Data Storage

The DASY5 software stores the acquired data from the data acquisition electronics as raw data (in microvolt readings from the probe sensors), together with all 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". The 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 incorrect parameter settings. For example, if a measurement has been performed with a wrong crest factor parameter in the device setup, the parameter can be corrected afterwards and the data can be re-evaluated.

The measured data can be visualized or exported in different units or formats, depending on the selected probe type ([V/m], [A/m], [°C], [mW/g], [mW/cm²], [dBrel], etc.). Some of these units are not available in certain situations or show meaningless results, e.g., a SAR output in a lossless media will always be zero. Raw data can also be exported to perform the evaluation with other software packages.

Data Evaluation

The SEMCAD software 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 DASY5 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 V_i = compensated signal of channel i ($i = x, y, z$)
 U_i = input signal of channel i ($i = x, y, z$)
 cf = crest factor of exciting field (DASY parameter)
 dcp_i = diode compression point (DASY parameter)

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

$$E - \text{fieldprobes} : E_i = \sqrt{\frac{V_i}{Norm_i \cdot ConvF}}$$

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

With V_i = compensated signal of channel i ($i = x, y, z$)
 $Norm_i$ = sensor sensitivity of channel i ($i = x, y, z$)
 [mV/(V/m)²] for E-field Probes
 $ConvF$ = sensitivity enhancement in solution
 a_{ij} = sensor sensitivity factors for H-field probes
 f = carrier frequency [GHz]
 E_i = electric field strength of channel i in V/m
 H_i = 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 priMayy field data are used to calculate the derived field units.

$$SAR = E_{tot}^2 \cdot \frac{\sigma}{\rho \cdot 1'000}$$

with SAR = local specific absorption rate in mW/g
 E_{tot} = 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 normally set to 1 (or 1.06), to account for actual brain density rather than the density of the simulation liquid.



4. Tissue Simulating Liquids

4.1 Simulating Liquids Parameter Check

The simulating liquids should be checked at the beginning of a series of SAR measurements to determine if the dielectric parameters are within the tolerances of the specified target values

The uncertainty due to the liquid conductivity and permittivity arises from two different sources. The first source of error is the deviation of the liquid conductivity from its target value (max _ 5 %) and the second source of error arises from the measurement procedures used to assess conductivity. The uncertainty shall be assessed using a rectangular probability For 1 g averaging, the maximum weighting coefficient for SAR is 0,5.

IEEE SCC-34/SC-2 RECOMMENDED TISSUE DIELECTRIC PARAMETERS

The head and body tissue dielectric parameters recommended by the IEEE SCC-34/SC-2 have been incorporated in the following table.

Frequency	ϵ_r	σ 10g S/m
300	45.3	0.87
450	43.5	0.87
750	41.9	0.89
835	41.5	0.90
900	41.5	0.97
1450	40.5	1.20
1800 to 2000	40.0	1.40
2100	39.8	1.49
2450	39.2	1.80
2600	39.0	1.96
3000	38.5	2.40
3500	37.9	2.91
4000	37.4	3.43
4500	36.8	3.94
5000	36.2	4.45
5200	36.0	4.66
5400	35.8	4.86
5600	35.5	5.07
5800	35.3	5.27



The following table gives the recipes for tissue simulating liquid and the theoretical Conductivity/Permittivity.

Head (Reference IEEE1528)								
Frequency (MHz)	Water (%)	Sugar (%)	Cellulose (%)	Salt (%)	Preventol (%)	DGBE (%)	Conductivity σ (S/m)	Permittivity ϵ
750	41.1	57.0	0.2	1.4	0.2	0	0.89	41.9
835	40.3	57.9	0.2	1.4	0.2	0	0.90	41.5
900	40.3	57.9	0.2	1.4	0.2	0	0.97	41.5
1800, 1900, 2000	55.2	0	0	0.3	0	44.5	1.4	40.0
2450	55.0	0	0	0.1	0	44.9	1.80	39.2
2600	54.9	0	0	0.1	0	45.0	1.96	39.0
Frequency (MHz)	Water (%)	Hexyl Carbitol (%)			Triton X-100 (%)		Conductivity σ (S/m)	Permittivity ϵ
5200	62.52	17.24			17.24		4.66	36.0
5800	62.52	17.24			17.24		5.27	35.3
Body (From instrument manufacturer)								
Frequency (MHz)	Water (%)	Sugar (%)	Cellulose (%)	Salt (%)	Preventol (%)	DGBE (%)	Conductivity σ (S/m)	Permittivity ϵ
750	51.7	47.2	0	0.9	0.1	0	0.96	55.5
835	50.8	48.2	0	0.9	0.1	0	0.97	55.2
900	50.8	48.2	0	0.9	0.1	0	1.05	55.0
1800, 1900, 2000	70.2	0	0	0.4	0	29.4	1.52	53.3
2450	68.6	0	0	0.1	0	31.3	1.95	52.7
2600	68.2	0	0	0.1	0	31.7	2.16	52.5
Frequency(MHz)	Water	DGBE (%)			Salt (%)		Conductivity σ (S/m)	Permittivity ϵ
5200	78.60	21.40			/		5.30	49.00
5800	78.50	21.40			0.1		6.00	48.20

**LIQUID MEASUREMENT RESULTS**

Tissue Stimulant Measurement for 835MHz					
Head	Fr. (MHz)	Dielectric Parameters (±5%)		Tissue Temp [°C]	Test time
		εr 41.5 (39.43-43.58)	δ[s/m] 0.90(0.855-0.945)		
	821.5	43.592	0.895	20.5	Dec. 03, 2025
	824.2	43.58	0.896		
	826.4	43.57	0.897		
	829	43.558	0.898		
	831.5	43.546	0.899		
	835	43.538	0.9		
	836.5	43.524	0.901		
	836.6	43.523	0.901		
	841.5	43.501	0.903		
	844	43.489	0.904		
	846.6	43.777	0.905		
	848.8	43.467	0.906		
Tissue Stimulant Measurement for 1800MHz					
Head	Fr. (MHz)	Dielectric Parameters (±5%)		Tissue Temp [°C]	Test time
		εr 40.00 (38.00-42.00)	δ[s/m]1.40(1.33-1.47)		
	1712.4	41.03	1.355	22.1	Dec. 05, 2025
	1720	41.011	1.36		
	1732.5	40.98	1.368		
	1732.6	40.98	1.368		
	1745	40.949	1.376		
	1752.6	40.932	1.38		
	1770	40.902	1.391		
	1800	40.817	1.409		
Tissue Stimulant Measurement for 1900MHz					
Head	Fr. (MHz)	Dielectric Parameters (±5%)		Tissue Temp [°C]	Test time
		εr40.00(38.00-42.00)	δ[s/m]1.40(1.33-1.47)		
	1850.2	40.729	1.422	23.1	Dec. 04, 2025
	1852.4	40.725	1.423		
	1860	40.712	1.430		
	1880	40.678	1.442		
	1882.5	40.674	1.443		
	1900	40.644	1.452		
	1905	40.632	1.458		
	1907.6	40.626	1.460		
	1909.8	40.621	1.462		



Tissue Stimulant Measurement for 2450MHz					
Head	Fr. (MHz)	Dielectric Parameters (±5%)		Tissue Temp [°C]	Test time
		εr39.2(37.24-41.16)	δ[s/m]1.80(1.71-1.89)		
	2402	39.677	1.831	22.9	Dec. 06, 2025
	2412	39.655	1.839		
	2437	39.6	1.86		
	2441	39.591	1.863		
	2450	39.325	1.865		
	2462	39.255	1.869		
	2480	39.217	1.886		
Tissue Stimulant Measurement for 5250MHz					
Head	Fr. (MHz)	Dielectric Parameters (±5%)		Tissue Temp [°C]	Test time
		εr 35.9(34.2-37.8)	δ[s/m] 4.71(4.427-4.893)		
	5180	34.436	4.433	22.9	Dec. 06, 2025
	5200	34.394	4.452		
	5240	34.331	4.477		
	5250	34.312	4.512		
	Tissue Stimulant Measurement for 5800MHz				
Head	Fr. (MHz)	Dielectric Parameters (±5%)		Tissue Temp [°C]	Test time
		εr 35.3 (33.54-37.07)	δ[s/m] 5.27 (5.007-5.534)		
	5775	33.887	5.348	22.9	Dec. 06, 2025
	5800	33.853	5.354		

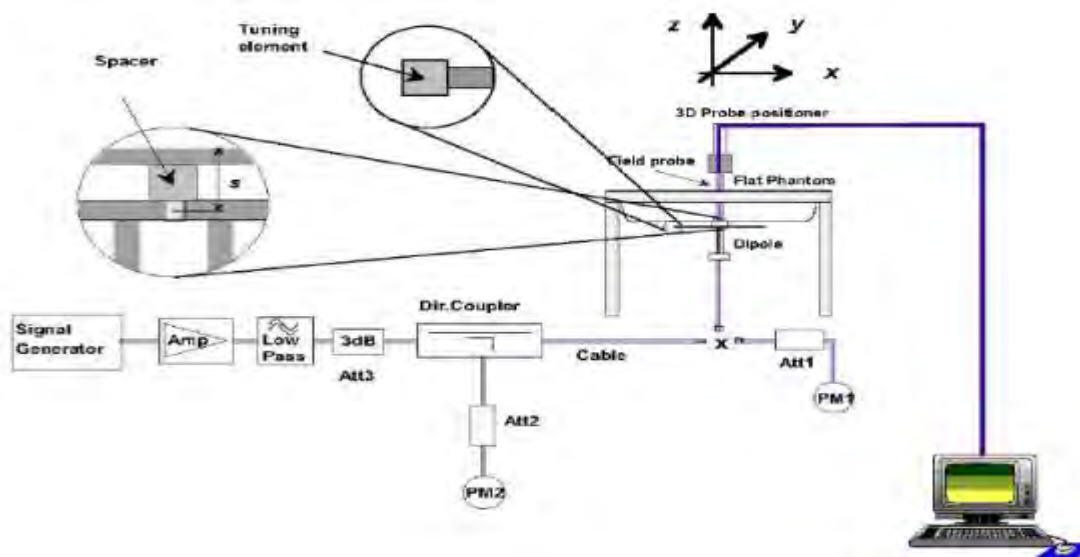
5. SAR System Validation

5.1 Validation System

The purpose of the system check is to verify that the system operates within its specifications at the device test frequency. The system check is a simple check of repeatability to make sure that the system works correctly at the time of the compliance test;

System check results have to be equal or near the values determined during dipole calibration with the relevant liquids and test system ($\pm 10\%$).

System check is performed regularly on all frequency bands where tests are performed with the DASY5 system.



5.2 Validation Result

System Check	Date	Frequency (MHz)	Targeted SAR 1g (W/kg)	Measured SAR 1g (W/kg)	Normalized SAR 1g (W/kg)	Deviation 1g (%)	Limit (%)
Head	Dec. 03, 2025	835	9.58	2.40	9.60	0.21	10
Head	Dec. 05, 2025	1800	39.20	9.64	38.56	-1.63	10
Head	Dec. 04, 2025	1900	40.30	9.83	39.32	-2.43	10
Head	Dec. 06, 2025	2450	52.70	13.30	53.20	0.95	10
Head	Dec. 06, 2025	5250	76.90	7.69	76.90	0.00	10
Head	Dec. 06, 2025	5800	76.80	7.96	79.60	3.65	10

Note:

(1) We use a CW signal of 24dBm(2450MHz) and 10dBm(5000-6000MHz) for system check, and then all SAR values are normalized to 1W forward power. The result must be within $\pm 10\%$ of target value.



6. SAR Evaluation Procedures

The procedure for assessing the average SAR value consists of the following steps:

The following steps are used for each test position

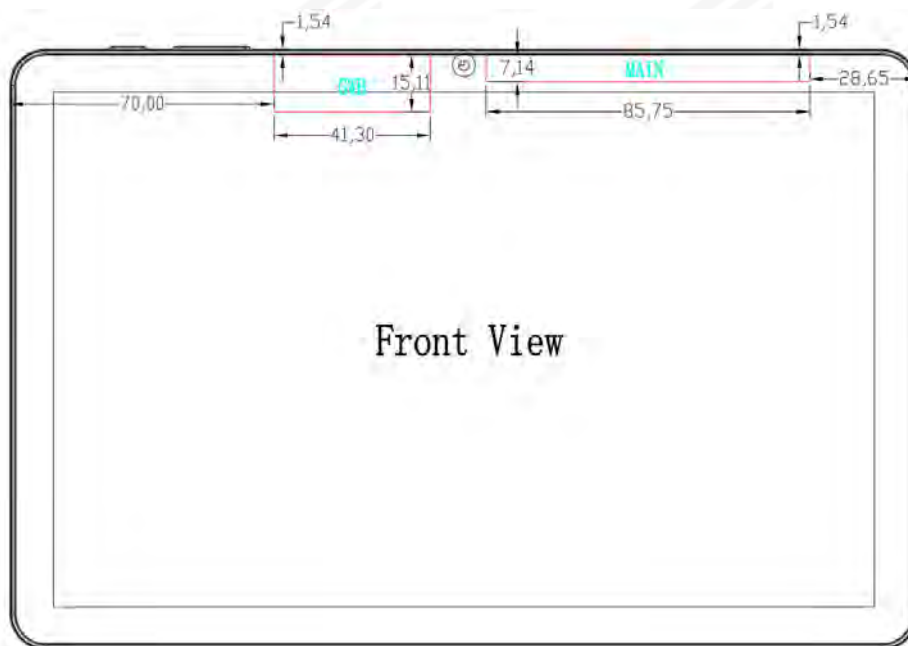
- Establish a call with the maximum output power with a base station simulator. The connection between the mobile and the base station simulator is established via air interface
- Measurement of the local E-field value at a fixed location. This value serves as a reference value for calculating a possible power drift.
- Measurement of the SAR distribution with a grid of 8 to 16mm * 8 to 16 mm and a constant distance to the inner surface of the phantom. Since the sensors cannot directly measure at the inner phantom surface, the values between the sensors and the inner phantom surface are extrapolated. With these values the area of the maximum SAR is calculated by an interpolation scheme.
- Around this point, a cube of 30 * 30 * 30 mm or 32 * 32 * 32 mm is assessed by measuring 5 or 8 * 5 or 8*4 or 5 mm. With these data, the peak spatial-average SAR value can be calculated.

➤ Area Scan& Zoom Scan

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 is performed around the highest E-field value to determine the averaged SAR-distribution over 10 g. Area scan and zoom scan resolution setting follows KDB 865664 D01 quoted below. When the 1-g SAR of the highest peak is within 2 dB of the SAR limit, additional zoom scans are required for other peaks within 2 dB of the highest peak that have not been included in any zoom scan to ensure there is no increase in SAR.

7. EUT Antenna Location Sketch

The location of the antennas inside EUT is shown as below picture:



Unit: mm

The SAR measurement positions of each antenna are as below:

Antenna	Front Face	Rear Face	Left Side	Right Side	Top Side	Bottom Side
MAIN (GSM/UMTS/LTE)	No	Yes	No	Yes	Yes	No
GWB Ant (WIFI/BT)	No	Yes	No	No	Yes	No

Note:

- 1) According to the antenna location shown as above, particular DUT edges were not required to be evaluated for SAR if the antenna-to-edge distance is greater than 50mm.
- 2) PerKDB616217, exposures to hands for typical consumer transmitters used in tablets are not expected to exceed the extremity SAR limit; therefore, SAR evaluation for the Front surface of tablet display screens are generally not necessary.
- 3) The antenna information refer the manufacturer provide report, applicable only to the tested sample identified in the report.

**7.1 SAR test exclusion consider table**

The WWAN/WLAN/BT SAR evaluation of Maximum power (dBm) summing tolerance.

The distance < 50mm								
Mode	Position	Distance (mm)	Pmax (dBm)	Pmax (mW)	f(GHz)	Calculation Result	SAR Exclusion threshold	Test Requirement (Yes/No)
GSM850	Rear	5	32	1584.89	0.8242	287.77	3	Yes
	Right	5	32	1584.89	0.8242	287.77	3	Yes
	Top	5	32	1584.89	0.8242	287.77	3	Yes
GSM1900	Rear	5	28	630.96	1.8502	171.65	3	Yes
	Right	5	28	630.96	1.8502	171.65	3	Yes
	Top	5	28	630.96	1.8502	171.65	3	Yes
UMTS B2	Rear	5	23	199.53	1.9076	55.12	3	Yes
	Right	5	23	199.53	1.9076	55.12	3	Yes
	Top	5	23	199.53	1.9076	55.12	3	Yes
UMTS B4	Rear	5	23	199.53	1.7124	52.22	3	Yes
	Right	5	23	199.53	1.7124	52.22	3	Yes
	Top	5	23	199.53	1.7124	52.22	3	Yes
UMTS B5	Rear	5	23.5	223.87	0.8264	40.70	3	Yes
	Right	5	23.5	223.87	0.8264	40.70	3	Yes
	Top	5	23.5	223.87	0.8264	40.70	3	Yes
LTE B2	Rear	5	24	251.19	1.900	69.25	3	Yes
	Right	5	24	251.19	1.900	69.25	3	Yes
	Top	5	24	251.19	1.900	69.25	3	Yes
LTE B4	Rear	5	23.5	223.87	1.7200	58.72	3	Yes
	Right	5	23.5	223.87	1.7200	58.72	3	Yes
	Top	5	23.5	223.87	1.7200	58.72	3	Yes
LTE B5	Rear	5	24.5	281.84	0.844	51.78	3	Yes
	Right	5	24.5	281.84	0.844	51.78	3	Yes
	Top	5	24.5	281.84	0.844	51.78	3	Yes
LTE B25	Rear	5	24.5	281.84	1.905	77.80	3	Yes
	Right	5	24.5	281.84	1.905	77.80	3	Yes
	Top	5	24.5	281.84	1.905	77.80	3	Yes
LTE B26	Rear	5	24.5	281.84	0.8415	51.71	3	Yes
	Right	5	24.5	281.84	0.8415	51.71	3	Yes
	Top	5	24.5	281.84	0.8415	51.71	3	Yes
LTE B66	Rear	5	23.5	223.87	1.745	59.15	3	Yes
	Right	5	23.5	223.87	1.745	59.15	3	Yes



	Top	5	23.5	223.87	1.745	59.15	3	Yes
BT	Rear	5	7.5	5.62	2.441	1.76	3	Yes
	Top	5	7.5	5.62	2.441	1.76	3	Yes
2.4G WiFi	Rear	5	19.5	89.13	2.437	27.83	3	Yes
	Top	5	19.5	89.13	2.437	27.83	3	Yes
5.2G WiFi	Rear	5	13	19.95	5.24	9.13	1	Yes
	Top	5	13	19.95	5.24	9.13	1	Yes
5.8G WiFi	Rear	5	12	15.85	5.755	7.60	1	Yes
	Top	5	12	15.85	5.755	7.60	1	Yes

The distance > 50mm								
Mode	Position	Distance (mm)	Pmax (dBm)	Pmax (mW)	f(GHz)	Power allowed at numeric Threshold at 50mm	SAR Exclusion Result	Test Requirement (Yes/No)
GSM850	Left	113	32	1584.89	0.8242	165.22	511.39	Yes
	Bottom	152	32	1584.89	0.8242	165.22	725.68	Yes
GSM1900	Left	113	28	630.96	1.8502	110.28	740.28	No
	Bottom	152	28	630.96	1.8502	110.28	1130.28	No
UMTS B2	Left	113	23	199.53	1.9076	108.60	738.60	No
	Bottom	152	23	199.53	1.9076	108.60	1128.60	No
UMTS B4	Left	113	23	199.53	1.7124	114.63	744.63	No
	Bottom	152	23	199.53	1.7124	114.63	1134.63	No
UMTS B5	Left	113	23.5	223.87	0.8264	165.00	512.09	No
	Bottom	152	23.5	223.87	0.8264	165.00	726.96	No
LTE B2	Left	113	24	251.19	1.900	108.82	738.82	No
	Bottom	152	24	251.19	1.900	108.82	1128.82	No
LTE B4	Left	113	23.5	223.87	1.7200	114.37	744.37	No
	Bottom	152	23.5	223.87	1.7200	114.37	1134.37	No
LTE B5	Left	113	24.5	281.84	0.844	163.28	793.28	No
	Bottom	152	24.5	281.84	0.844	163.28	1183.28	No
LTE B25	Left	113	24.5	281.84	1.905	108.68	738.68	No
	Bottom	152	24.5	281.84	1.905	108.68	1128.68	No
LTE B26	Left	113	24.5	281.84	0.8415	163.52	793.52	No
	Bottom	152	24.5	281.84	0.8415	163.52	1183.52	No
LTE B66	Left	113	23.5	223.87	1.745	113.55	743.55	No
	Bottom	152	23.5	223.87	1.745	113.55	1133.55	No
BT	Left	70	7.5	5.62	2.41	96.62	296.62	No



	Right	115	7.5	5.62	2.41	96.62	746.62	No
	Bottom	144	7.5	5.62	2.41	96.62	1036.62	No
2.4G WiFi	Left	70	19.5	89.13	2.37	97.44	297.44	No
	Right	115	19.5	89.13	2.37	97.44	747.44	No
	Bottom	144	19.5	89.13	2.37	97.44	1037.44	No
5.2G WiFi	Left	70	13	19.95	5.24	65.53	265.53	No
	Right	115	13	19.95	5.24	65.53	715.53	No
	Bottom	144	13	19.95	5.24	65.53	1005.53	No
5.8G WiFi	Left	70	12	15.85	5.755	62.53	262.53	No
	Right	115	12	15.85	5.755	62.53	712.53	No
	Bottom	144	12	15.85	5.755	62.53	1002.53	No

Note:

1. maximum power is the source-based time-average power and represents the maximum RF output power among production units.
2. Per KDB 447498 D04, for larger devices, the test separation distance of adjacent edge configuration is determined by the closest separation between the antenna and the user.
3. Per KDB 447498 D04, if the maximum time-averaged power available does not exceed 1 mW. This stand-alone SAR exemption test.
4. Per KDB 447498 D04, the available maximum time-averaged power or effective radiated power (ERP), whichever is greater, is less than or equal to the threshold P_{th} (mW) described in the following formula. This method shall only be used at separation distances (cm) from 0.5 centimeters to 40 centimeters and at frequencies from 0.3 GHz to 6 GHz (inclusive). P_{th} is given by:

$$P_{th} \text{ (mW)} = \begin{cases} ERP_{20 \text{ cm}} (d/20 \text{ cm})^x & d \leq 20 \text{ cm} \\ ERP_{20 \text{ cm}} & 20 \text{ cm} < d \leq 40 \text{ cm} \end{cases}$$

Where

$$x = -\log_{10} \left(\frac{60}{ERP_{20 \text{ cm}} \sqrt{f}} \right) \text{ and } f \text{ is in GHz;}$$

and

$$ERP_{20 \text{ cm}} \text{ (mW)} = \begin{cases} 2040f & 0.3 \text{ GHz} \leq f < 1.5 \text{ GHz} \\ 3060 & 1.5 \text{ GHz} \leq f \leq 6 \text{ GHz} \end{cases}$$

 d = the separation distance (cm);



5. Per KDB 447498 D04, An alternative to the SAR-based exemption is using below table and the minimum separation distance (R in meters) from the body of a nearby person for the frequency (f in MHz) at which the source operates, the ERP (watts) is no more than the calculated value prescribed for that frequency. For the exemption in below table to apply, R must be at least $\lambda/2\pi$, where λ is the free-space operating wavelength in meters. If the ERP of a single RF source is not easily obtained, then the available maximum time-averaged power may be used in lieu of ERP if the physical dimensions of the radiating structure(s) do not exceed the electrical length of $\lambda/4$ or if the antenna gain is less than that of a half-wave dipole (1.64 linear value).

RF Source frequency (MHz)	Threshold ERP(watts)
0.3-1.34	$1,920 R^2$.
1.34-30	$3,450 R^2/f^2$.
30-300	$3.83 R^2$.
300-1,500	$0.0128 R^2f$.
1,500-100,000	$19.2R^2$.

6. Per KDB 248227 D01, choose the highest output power channel to test SAR and determine further SAR exclusion 8. for each frequency band, testing at higher data rates and higher order modulations is not required when the maximum average output power for each of each of these configurations is less than 1/4db higher than those measured at the lower data rate than 11b mode, thus the SAR can be excluded.

7. Per KDB 616217 D04, SAR evaluation for the front surface of tablet display screens are generally not necessary.

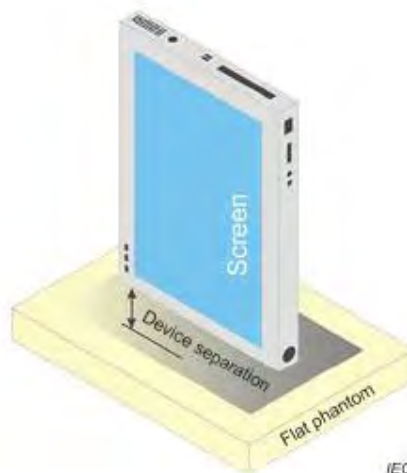
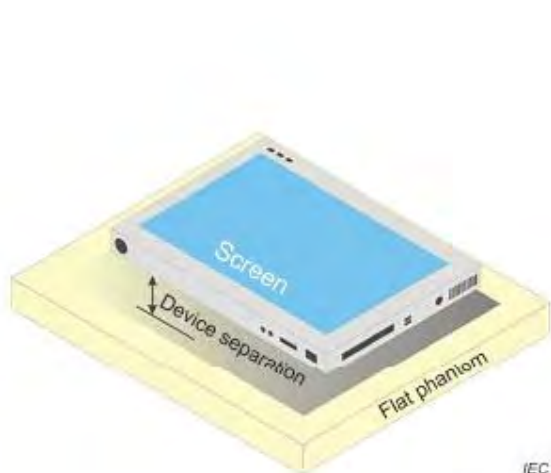
8. Per KDB 248227, as maximum rated power for U-NII-2A > U-NII-1, U-NII-2A was chosen for SAR evaluation. Based on the measurements obtained, SAR measurements on U-NII-1 are not required as highest reported SAR from U-NII-2A band is $\leq 1.2W/Kg$.

8. EUT Test Position

Per KDB 616217, the diagonal length is $> 200\text{mm}$, the device is considered a “tablet” device and needed to test 0mm 1-g body SAR.

This EUT was tested in Rear Face, Right Side, Top Side.

- 1) To adjust the EUT parallel to the flat phantom.
- 2) To adjust the distance between the EUT surface and the flat phantom to **0mm**.





9. Uncertainty

9.1 Measurement Uncertainty

The following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in IEEE 1528: 2013. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$.

Measurement uncertainty for DUT averaged over 1 gram / 10 gram.									
Uncertainty Component	Sec.	Tol (+/- %)	Prob. Dist.	Div.	Ci (1g)	Ci (10g)	1g Ui (+ %)	10g Ui (+ %)	vi
Measurement System									
Probe calibration	E.2.1	5.72	N	1.00	1.00	1.00	5.72	5.72	∞
Axial Isotropy	E.2.2	0.18	R	1.73	0.71	0.71	0.07	0.07	∞
Hemispherical Isotropy	E.2.2	1.04	R	1.73	0.71	0.71	0.42	0.42	∞
Boundary effect	E.2.3	0.80	R	1.73	1.00	1.00	0.46	0.46	∞
Linearity	E.2.4	1.25	R	1.73	1.00	1.00	0.72	0.72	∞
System detection limits	E.2.4	1.20	R	1.73	1.00	1.00	0.69	0.69	∞
Modulation response	E.2.5	3.42	R	1.73	1.00	1.00	1.97	1.97	∞
Readout Electronics	E.2.6	0.26	N	1.00	1.00	1.00	0.26	0.26	∞
Response Time	E.2.7	0.17	R	1.73	1.00	1.00	0.10	0.10	∞
Integration Time	E.2.8	1.43	R	1.73	1.00	1.00	0.83	0.83	∞
RF ambient conditions-Noise	E.6.1	3.51	R	1.73	1.00	1.00	2.03	2.03	∞
RF ambient conditions- reflections	E.6.1	3.15	R	1.73	1.00	1.00	1.82	1.82	∞
Probe positioner mechanical tolerance	E.6.2	1.20	R	1.73	1.00	1.00	0.69	0.69	∞
Probe positioning with respect to phantom shell	E.6.3	1.40	R	1.73	1.00	1.00	0.81	0.81	∞
Extrapolation, interpolation, and integrations algorithms for max. SAR evaluation	E.5	2.10	R	1.73	1.00	1.00	1.21	1.21	∞
Test sample Related									
Test sample positioning	E.4.2	3.10	N	1.00	1.00	1.00	3.10	3.10	∞
Device holder uncertainty	E.4.1	3.80	N	1.00	1.00	1.00	3.80	3.80	∞
Output power variation— SAR drift measurement	E.2.9	4.50	R	1.73	1.00	1.00	2.60	2.60	∞
SAR scaling	E.6.5	1.80	R	1.73	1.00	1.00	1.04	1.04	∞
Phantom and tissue parameters									
Phantom shell uncertainty— shape, thickness, and permittivity	E.3.1	3.70	R	1.73	1.00	1.00	2.14	2.14	∞
Uncertainty in SAR correction for deviations in permittivity and conductivity	E.3.2	1.90	N	1.00	1.00	0.84	1.90	1.60	∞
Liquid conductivity measurement	E.3.3	2.40	R	1.73	0.78	0.71	1.08	0.98	M
Liquid permittivity measurement	E.3.3	4.10	N	1.00	0.78	0.71	3.20	2.91	M
Liquid conductivity— temperature uncertainty	E.3.4	2.70	R	1.73	0.23	0.26	0.36	0.41	∞
Liquid permittivity— temperature uncertainty	E.3.4	4.80	N	1.00	0.23	0.26	1.10	1.25	∞
Combined Standard Uncertainty			RSS				10.08	9.59	
Expanded Uncertainty (95% Confidence interval)			K=2				19.58	19.18	



System Validation uncertainty for DUT averaged over 1 gram / 10 gram.									
Uncertainty Component	Sec.	Tol (+-%)	Prob. Dist.	Div.	Ci (1g)	Ci (10g)	1g Ui (+-%)	10g Ui (+-%)	vi
Measurement System									
Probe calibration	E.2.1	5.72	N	1.00	1.00	1.00	5.72	5.72	∞
Axial Isotropy	E.2.2	0.18	R	1.73	1.00	1.00	0.10	0.10	∞
Hemispherical Isotropy	E.2.2	1.04	R	1.73	0.00	0.00	0.00	0.00	∞
Boundary effect	E.2.3	0.80	R	1.73	1.00	1.00	0.46	0.46	∞
Linearity	E.2.4	1.25	R	1.73	1.00	1.00	0.72	0.72	∞
System detection limits	E.2.4	1.20	R	1.73	1.00	1.00	0.69	0.69	∞
Modulation response	E.2.5	3.42	R	1.73	0.00	0.00	0.00	0.00	∞
Readout Electronics	E.2.6	0.26	N	1.00	1.00	1.00	0.26	0.26	∞
Response Time	E.2.7	0.17	R	1.73	0.00	0.00	0.00	0.00	∞
Integration Time	E.2.8	1.43	R	1.73	0.00	0.00	0.00	0.00	∞
RF ambient conditions- Noise	E.6.1	3.51	R	1.73	1.00	1.00	2.03	2.03	∞
RF ambient conditions- reflections	E.6.1	3.15	R	1.73	1.00	1.00	1.82	1.82	∞
Probe positioner mechanical tolerance	E.6.2	1.20	R	1.73	1.00	1.00	0.69	0.69	∞
Probe positioning with respect to phantom shell	E.6.3	1.40	R	1.73	1.00	1.00	0.81	0.81	∞
Extrapolation, interpolation, and integrations algorithms for max. SAR evaluation	E.5	2.10	R	1.73	1.00	1.00	1.21	1.21	∞
System validation source									
Deviation of experimental dipole from numerical dipole	E.6.4	4.80	N	1.00	1.00	1.00	4.80	4.80	∞
Input power and SAR drift measurement	8,6.6.4	5.10	R	1.73	1.00	1.00	2.94	2.94	∞
Dipole axis to liquid distance	8,E.6.6	2.40	R	1.73	1.00	1.00	1.39	1.39	∞
Phantom and set-up									
Phantom shell uncertainty— shape, thickness, and permittivity	E.3.1	3.70	R	1.73	1.00	1.00	2.14	2.14	∞
Uncertainty in SAR correction for deviations in permittivity and conductivity	E.3.2	1.90	N	1.00	1.00	0.84	1.90	1.60	∞
Liquid conductivity (temperature uncertainty)	E.3.3	2.40	R	1.73	0.78	0.71	1.08	0.98	∞
Liquid conductivity (measured)	E.3.3	4.10	N	1.00	0.78	0.71	3.20	2.91	M
Liquid permittivity (temperature uncertainty)	E.3.4	2.70	R	1.73	0.23	0.26	0.36	0.41	∞
Liquid permittivity (measured)	E.3.4	4.80	N	1.00	0.23	0.26	1.10	1.25	M
Combined Standard Uncertainty			RSS				9.72	9.52	
Expanded Uncertainty (95% Confidence interval)			K=2				19.44	19.03	



° System Check uncertainty for DUT averaged over 1 gram / 10 gram.									
Uncertainty Component	Sec.	Tol (+-%)	Prob. Dist.	Div.	Ci (1g)	Ci (10g)	1g Ui (+-%)	10g Ui (+-%)	vi
Measurement System									
Probe calibration drift	E.2.1.3	5.72	N	1.00	1.00	1.00	5.72	5.72	∞
Axial Isotropy	E.2.2	0.18	R	1.73	0.00	0.00	0.00	0.00	∞
Hemispherical Isotropy	E.2.2	1.04	R	1.73	0.00	0.00	0.00	0.00	∞
Boundary effect	E.2.3	0.8	R	1.73	0.00	0.00	0.00	0.00	∞
Linearity	E.2.4	1.25	R	1.73	0.00	0.00	0.00	0.00	∞
System detection limits	E.2.4	1.20	R	1.73	0.00	0.00	0.00	0.00	∞
Modulation response	E.2.5	3.42	R	1.73	0.00	0.00	0.00	0.00	∞
Readout Electronics	E.2.6	0.26	N	1.00	0.00	0.00	0.00	0.00	∞
Response Time	E.2.7	0.17	R	1.73	0.00	0.00	0.00	0.00	∞
Integration Time	E.2.8	1.43	R	1.73	0.00	0.00	0.00	0.00	∞
RF ambient conditions-Noise	E.6.1	3.51	R	1.73	0.00	0.00	0.00	0.00	∞
RF ambient conditions-reflections	E.6.1	3.15	R	1.73	0.00	0.00	0.00	0.00	∞
Probe positioner mechanical tolerance	E.6.2	1.2	R	1.73	1.00	1.00	0.69	0.69	∞
Probe positioning with respect to phantom shell	E.6.3	1.4	R	1.73	1.00	1.00	0.81	0.81	∞
Extrapolation, interpolation, and integrations algorithms for max. SAR evaluation	E.5	3.9	R	1.73	0.00	0.00	0.00	0.00	∞
System check source (dipole)									
Deviation of experimental dipoles	E.6.4	4.8	N	1.00	1.00	1.00	4.80	4.80	∞
Input power and SAR drift measurement	8,6.6.4	5.1	R	1.73	1.00	1.00	2.94	2.94	∞
Dipole axis to liquid distance	8,E.6.6	2.4	R	1.73	1.00	1.00	1.39	1.39	∞
Phantom and tissue parameters									
Phantom shell uncertainty—shape, thickness, and permittivity	E.3.1	3.7	R	1.73	1.00	1.00	2.14	2.14	∞
Uncertainty in SAR correction for deviations in permittivity and conductivity	E.3.2	1.9	N	1.00	1.00	0.84	1.90	1.60	∞
Liquid conductivity measurement	E.3.3	2.4	R	1.73	0.78	0.71	1.08	0.98	∞
Liquid permittivity measurement	E.3.3	4.1	N	1.00	0.78	0.71	3.20	2.91	M
Liquid conductivity—temperature uncertainty	E.3.4	2.7	R	1.73	0.23	0.26	0.36	0.41	∞
Liquid permittivity—temperature uncertainty	E.3.4	4.8	N	1.00	0.23	0.26	1.10	1.25	M
Combined Standard Uncertainty			RSS				5.56	5.20	
Expanded Uncertainty (95% Confidence interval)			K=2				11.12	10.41	



10. Conducted Power Measurement

10.1 Test Result

GSM

GSM850		Max Burst Average Power (dBm)				Max Frame Average Power (dBm)			
		Max. Tune-up	Channel/Frequency(MHz)			Max. Tune-up	Channel/Frequency(MHz)		
			128/ 824.2	190/ 836.6	251/ 848.8		128/ 824.2	190/ 836.6	251/ 848.8
GSM (CS)		33.50	33.29	33.17	33.05	24.31	24.10	23.98	23.86
GPRS/EDGE (GMSK)	1 Tx Slot	33.50	33.29	33.17	33.05	24.31	24.10	23.98	23.86
	2 Tx Slot	32.00	31.24	31.19	31.13	25.87	25.11	25.06	25.00
	3 Tx Slot	30.00	29.40	29.38	29.34	25.58	24.98	24.96	24.92
	4 Tx Slot	28.00	27.30	27.31	27.32	24.82	24.12	24.13	24.14
EDGE (8PSK)	1 Tx Slot	26.00	24.85	25.37	25.25	16.81	15.66	16.18	16.06
	2 Tx Slot	25.00	24.81	24.13	24.46	18.87	18.68	18.00	18.33
	3 Tx Slot	23.00	21.72	21.99	22.12	18.58	17.30	17.57	17.70
	4 Tx Slot	20.00	19.20	19.35	19.89	16.82	16.02	16.17	16.71
GSM1900		Max Burst Average Power (dBm)				Max Frame Average Power (dBm)			
		Max. Tune-up	Channel/Frequency(MHz)			Max. Tune-up	Channel/Frequency(MHz)		
			512/ 1850.2	661/ 1880	810/ 1909.8		512/ 1850.2	661/ 1880	810/ 1909.8
GSM (CS)		30.00	29.63	29.63	29.60	20.81	20.44	20.44	20.41
GPRS/EDGE (GMSK)	1 Tx Slot	30.00	29.63	29.63	29.60	20.81	20.44	20.44	20.41
	2 Tx Slot	28.00	27.55	27.54	27.38	21.87	21.42	21.41	21.25
	3 Tx Slot	26.00	25.92	25.95	25.84	21.58	21.50	21.53	21.42
	4 Tx Slot	24.00	23.84	23.90	23.89	20.82	20.66	20.72	20.71
EDGE (8PSK)	1 Tx Slot	27.00	26.35	25.61	25.11	17.81	17.16	16.42	15.92
	2 Tx Slot	25.00	24.07	24.15	23.66	18.87	17.94	18.02	17.53
	3 Tx Slot	23.00	22.43	21.64	21.69	18.58	18.01	17.22	17.27
	4 Tx Slot	21.00	20.37	19.98	19.36	17.82	17.19	16.80	16.18

Note: The tested channel results are marks in bold.



WCDMA

Band	UMTS B2 Average Conducted Power(dBm)			
Tx Channel	Max. Tune-up	9262	9400	9538
Rx Channel		9662	9800	9938
Frequency(MHz)		1852.4	1880	1907.6
AMR Voice	23.00	22.60	22.46	22.63
RMC 12.2K	23.00	22.60	22.46	22.63
HSDPA Subtest-1	23.00	22.48	22.22	22.16
HSDPA Subtest-2	23.00	22.26	22.08	22.09
HSDPA Subtest-3	23.00	21.56	21.34	21.24
HSDPA Subtest-4	23.00	22.04	21.93	21.91
HSUPA Subtest-1	23.00	22.61	22.49	22.50
HSUPA Subtest-2	23.00	22.49	22.30	22.31
HSUPA Subtest-3	23.00	22.50	22.39	22.40
HSUPA Subtest-4	23.00	22.42	22.25	22.27
HSUPA Subtest-5	23.00	22.48	22.38	22.35
Band	UMTS B4 Average Conducted Power(dBm)			
Tx Channel	Max. Tune-up	1312	1413	1513
Rx Channel		1537	1638	1738
Frequency(MHz)		1712.4	1732.6	1752.6
AMR Voice	23.00	22.53	22.47	22.47
RMC 12.2K	23.00	22.53	22.47	22.47
HSDPA Subtest-1	23.00	21.89	21.78	22.29
HSDPA Subtest-2	23.00	22.45	22.01	22.43
HSDPA Subtest-3	23.00	22.39	21.97	22.37
HSDPA Subtest-4	23.00	22.42	22.03	22.36
HSUPA Subtest-1	23.00	21.99	22.06	22.44
HSUPA Subtest-2	23.00	22.30	21.83	22.35
HSUPA Subtest-3	23.00	22.43	21.97	22.33
HSUPA Subtest-4	23.00	22.27	21.79	22.29
HSUPA Subtest-5	23.00	22.36	21.96	22.32
Band	UMTS B5 Average Conducted Power(dBm)			
Tx Channel	Max. Tune-up	4132	4182	4233
Rx Channel		4357	4407	4458
Frequency(MHz)		826.4	836.4	846.6
AMR Voice	23.50	22.98	22.60	22.59
RMC 12.2K	23.50	22.98	22.76	22.59
HSDPA Subtest-1	22.50	22.12	22.20	22.25
HSDPA Subtest-2	22.50	21.86	22.11	21.07
HSDPA Subtest-3	22.50	21.54	21.80	20.80
HSDPA Subtest-4	22.50	21.44	21.67	20.61
HSUPA Subtest-1	23.50	22.62	22.86	22.79
HSUPA Subtest-2	23.50	22.52	22.74	22.66
HSUPA Subtest-3	23.50	22.56	22.80	22.70
HSUPA Subtest-4	23.50	22.47	22.71	22.60
HSUPA Subtest-5	23.50	22.57	22.75	22.69

Note: The tested channel results are marks in bold.



According to 3GPP 25.101 sub-clause 6.2.2, the maximum output power is allowed to be reduced by following the table.

Table 6.1A: UE maximum output power with HS-DPCCH and E-DCH

UE Transmit Channel Configuration	CM(db)	MPR(db)
For all combinations of ,DPDCH,DPCCH HS-DPDCH,E-DPDCH and E-DPCCH	$0 \leq CM \leq 3.5$	$\text{MAX}(CM-1,0)$
Note: CM=1 for $\beta_c/\beta_d=12/15$, $\beta_{hs}/\beta_c=24/15$.For all other combinations of DPDCH, DPCCH, HS-DPCCH, E-DPDCH and E-DPCCH the MPR is based on the relative CM difference.		

The device supports MPR to solve linearity issues (ACLR or SEM) due to the higher peak-to average ratios (PAR) of the HSUPA signal. This prevents saturating the full range of the TX DAC inside of device and provides a reduced power output to the RF transceiver chip according to the Cubic Metric (a function of the combinations of DPDCH, DPCCH, HS-DPCCH, E-DPDCH and E-DPCCH).

When E-DPDCH channels are present the beta gains on those channels are reduced firsts to try to get the power under the allowed limit. If the beta gains are lowered as far as possible, then a hard limiting is applied at the maximum allowed level.

The SW currently recalculates the cubic metric every time the beta gains on the E-DPDCH are reduced. The cubic metric will likely get lower each time this is done .However, there is no reported reduction of maximum output power in the HSUPA mode since the device also provides a compensation for the power back-off by increasing the gain of TX_AGC in the transceiver (PA) device.

The end effect is that the DUT output power is identical to the case where there is no MPR in the device.

**Bluetooth&BLE**

BT	Max EIRP (dBm)			
	Max. Tune up	CH0	CH39	CH78
		2402MHz	2441MHz	2480MHz
DH5	7.5	6.41	6.08	3.95
2DH5	7.5	5.78	6.79	4.44
3DH5	7.5	6.01	7.05	5.71
BT	Max EIRP (dBm)			
	Max. Tune up	CH0	CH19	CH39
		2402MHz	2440MHz	2480MHz
BLE(1M)	0	-1.64	-0.76	-2.59
BLE(2M)	0	-1.62	-0.69	-2.53

Note: The tested channel results are marks in bold.

2.4G WLAN

Band	Mode	Channel	Frequency (MHz)	Data Rate (Mbps)	Max. Tune up	Average Power(dBm)
2.4G WIFI_1TX_ Ant WIFI	802.11b	1	2412	1	17.50	16.98
		6	2437		17.50	16.63
		11	2462		17.50	15.53
	802.11g	1	2412	6	19.50	19.03
		6	2437		19.50	19.28
		11	2462		17.50	17.33
	802.11n HT20	1	2412	MCS0	19.50	19.08
		6	2437		19.50	19.33
		11	2462		19.50	19.02
	802.11n HT40	3	2422	MCS0	18.50	17.90
		6	2437		18.50	18.38
		9	2452		18.50	18.14

Note: The tested channel results are marks in bold.

**WLAN (5.2Gband)**

Band	Mode	Channel	Frequency (MHz)	Data Rate (Mbps)	Max. Tune up	Average Power(dBm)
5.2G WIFI_1TX_ Ant WIFI	802.11a	36	5180	6	13.00	12.73
		40	5200		13.00	12.81
		48	5240		13.00	12.44
	802.11n HT20	36	5180	MCS0	13.00	12.03
		40	5200		13.00	11.40
		48	5240		13.00	12.85
	802.11n HT40	38	5190	MCS0	13.00	11.46
		46	5230		13.00	10.62
	802.11ac VHT20	36	5180	MCS0	13.00	11.69
		40	5200		13.00	11.87
		48	5240		13.00	11.64
	802.11ac VHT40	38	5190	MCS0	13.00	11.44
		46	5230		13.00	11.48
	802.11ac VHT80	42	5210	MCS0	10.00	9.09

Note: The tested channel results are marks in bold.

WLAN (5.8Gband)

Band	Mode	Channel	Frequency (MHz)	Data Rate (Mbps)	Max. Tune up	Average Power(dBm)
5.8G WIFI_1TX_ Ant WIFI	802.11a	149	5745	6	10.50	10.02
		157	5785		10.50	9.30
		165	5825		10.50	8.56
	802.11n HT20	149	5745	MCS0	8.50	8.13
		157	5785		8.50	7.31
		165	5825		8.50	6.61
	802.11n HT40	151	5755	MCS0	11.50	11.42
		159	5795		11.50	10.75
	802.11ac VHT20	149	5745	MCS0	11.50	11.41
		157	5785		11.50	9.94
		165	5825		11.50	9.21
	802.11ac VHT40	151	5755	MCS0	11.50	11.04
		159	5795		11.50	10.12
	802.11ac VHT80	155	5775	MCS0	12.00	11.53

Note: The tested channel results are marks in bold.



LTE Conducted Power

General Note:

1. Anritsu CMW500 base station simulator was used to setup the connection with EUT; the frequency band, channel bandwidth, RB allocation configuration, modulation type are set in the base station simulator to configure EUT transmitting at maximum power and at different configurations which are requested to be reported to FCC, for conducted power measurement and SAR testing.
2. Per KDB 941225 D05, when a properly configured base station simulator is used for the SAR and power measurements, spectrum plots for each RB allocation and offset configuration is not required.
3. Per KDB 941225 D05, 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.
4. Per KDB 941225 D05, 50% RB allocation for QPSK SAR testing follows 1RB QPSK allocation procedure.
5. Per KDB 941225 D05, 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 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.
6. Per KDB 941225 D05, 16QAM output power for each RB allocation configuration is $>$ not $\frac{1}{2}$ dB higher than the same configuration in QPSK and the reported SAR for the QPSK configuration is ≤ 1.45 W/kg; Per KDB 941225 D05, 16QAM SAR testing is not required.
7. Per KDB 941225 D05, Smaller bandwidth output power for each RB allocation configuration is $>$ not $\frac{1}{2}$ dB higher than the same configuration in the largest supported bandwidth, and the reported SAR for the largest supported bandwidth is ≤ 1.45 W/kg; Per KDB 941225 D05, smaller bandwidth SAR testing is not required.



LTE B2/BW=1.4M		Average Conducted Power(dBm)				LTE B2/BW=3M		Average Conducted Power(dBm)			
Modulation	RB Size/Offset	Max. Tune-up	Channel/Frequency(MHz)			Modulation	RB Size/Offset	Max. Tune-up	Channel/Frequency(MHz)		
			18607/1850.7	18900/1880	19193/1909.3				18615/1851.5	18900/1880	19185/1908.5
QPSK	1/0	24.00	23.29	23.09	23.60	QPSK	1/0	24.00	23.22	23.16	23.70
	1/2	24.00	23.14	23.24	23.58		1/7	24.00	23.11	23.26	23.92
	1/5	24.00	23.17	23.10	23.56		1/14	24.00	23.16	23.24	23.86
	3/0	24.00	23.32	23.35	23.85		8/0	23.00	22.39	22.19	22.67
	3/1	24.00	23.39	23.29	23.70		8/3	23.00	22.33	22.21	22.67
	3/3	24.00	23.35	23.32	23.71		8/7	23.00	22.37	22.33	22.86
	6/0	23.00	22.27	22.22	22.71		15/0	23.00	22.30	22.24	22.73
16QAM	1/0	23.00	22.51	22.97	21.75	16QAM	1/0	23.00	21.91	22.49	22.70
	1/2	23.00	22.62	22.92	21.69		1/7	23.00	21.89	22.22	22.93
	1/5	23.00	22.51	22.92	21.74		1/14	23.00	21.82	22.28	22.85
	3/0	23.00	22.43	22.21	22.75		8/0	22.00	21.76	21.55	21.76
	3/1	23.00	22.42	22.19	22.79		8/3	22.00	21.71	21.49	21.75
	3/3	23.00	22.41	22.21	22.91		8/7	22.00	21.77	21.60	21.91
	6/0	22.00	21.41	21.39	21.86		15/0	22.00	21.29	21.38	21.90
LTE B2/BW=5M		Average Conducted Power(dBm)				LTE B2/BW=10M		Average Conducted Power(dBm)			
Modulation	RB Size/Offset	Max. Tune-up	Channel/Frequency(MHz)			Modulation	RB Size/Offset	Max. Tune-up	Channel/Frequency(MHz)		
			18625/1852.5	18900/1880	19175/1907.5				18650/1855	18900/1880	19150/1905
QPSK	1/0	24.00	23.33	23.33	23.35	QPSK	1/0	24.00	23.11	23.20	23.35
	1/12	24.00	23.40	23.37	23.72		1/24	24.00	23.09	23.20	23.52
	1/24	24.00	23.40	23.30	23.72		1/49	24.00	23.13	23.23	23.75
	12/0	23.00	22.38	22.31	22.58		25/0	23.00	22.30	22.29	22.58
	12/6	23.00	22.23	22.10	22.71		25/12	23.00	22.29	22.29	22.46
	12/13	23.00	22.39	22.30	22.71		25/25	23.00	22.37	22.22	22.46
	25/0	23.00	22.25	22.20	22.60		50/0	23.00	22.27	22.32	22.56
16QAM	1/0	23.00	21.84	21.04	22.50	16QAM	1/0	23.00	21.32	22.55	22.76
	1/12	23.00	22.33	21.29	22.86		1/24	23.00	21.84	22.75	22.91
	1/24	23.00	21.77	21.13	22.85		1/49	23.00	21.23	22.56	22.93
	12/0	22.00	21.35	21.29	21.77		25/0	22.00	21.57	21.32	21.67
	12/6	22.00	21.27	21.33	21.60		25/12	22.00	21.48	21.37	21.68
	12/13	22.00	21.45	21.32	21.64		25/25	22.00	21.45	21.34	21.69
	25/0	22.00	21.22	21.43	21.60		50/0	22.00	21.36	21.33	21.63



LTE B2/BW=15M		Average Conducted Power(dBm)				LTE B2/BW=20M		Average Conducted Power(dBm)			
Modulation	RB Size/Offset	Max. Tune-up	Channel/Frequency(MHz)			Modulation	RB Size/Offset	Max. Tune-up	Channel/Frequency(MHz)		
			18675/1857.5	18900/1880	19125/1902.5				18700/1860	18900/1880	19100/1900
QPSK	1/0	24.00	22.92	23.14	23.25	QPSK	1/0	24.00	23.33	23.35	23.06
	1/37	24.00	22.78	23.19	23.38		1/50	24.00	23.36	23.28	23.04
	1/74	24.00	23.33	23.27	23.83		1/99	24.00	23.47	23.65	23.96
	36/0	23.00	22.22	22.29	22.33		50/0	23.00	22.18	22.18	22.30
	36/19	23.00	22.20	22.27	22.37		50/25	23.00	22.18	22.24	22.33
	36/39	23.00	22.35	22.24	22.36		50/50	23.00	22.21	22.23	22.34
	75/0	23.00	22.34	22.36	22.48		100/0	23.00	22.28	22.29	22.30
16QAM	1/0	23.00	22.12	22.35	22.81	16QAM	1/0	23.00	22.86	22.70	22.50
	1/37	23.00	22.27	22.30	22.93		1/50	23.00	22.71	22.62	22.62
	1/74	23.00	22.18	22.54	22.91		1/99	23.00	22.79	22.80	22.83
	36/0	22.00	21.29	21.48	21.47		50/0	22.00	21.26	21.40	21.54
	36/19	22.00	21.39	21.47	21.48		50/25	22.00	21.32	21.36	21.45
	36/39	22.00	21.41	21.43	21.29		50/50	22.00	21.09	21.37	21.46
	75/0	22.00	21.41	21.36	21.77		100/0	22.00	21.37	21.32	21.30

Note: The tested channel results are marks in bold.



LTE B4/BW=1.4M		Average Conducted Power(dBm)				LTE B4/BW=3M		Average Conducted Power(dBm)			
Modulation	RB Size/Offset	Max. Tune-up	Channel/Frequency(MHz)			Modulation	RB Size/Offset	Max. Tune-up	Channel/Frequency(MHz)		
			19957/1710.7	20175/1732.5	20393/1754.3				19965/1711.5	20175/1732.5	20385/1753.5
QPSK	1/0	23.50	22.91	22.78	22.88	QPSK	1/0	23.50	22.95	23.00	22.86
	1/2	23.50	22.96	22.77	22.84		1/7	23.50	23.09	22.90	22.82
	1/5	23.50	23.10	22.81	22.83		1/14	23.50	22.88	23.00	22.78
	3/0	23.50	23.17	23.09	23.03		8/0	22.50	22.31	21.92	22.08
	3/1	23.50	23.27	23.06	23.03		8/3	22.50	22.40	22.25	21.94
	3/3	23.50	23.21	23.08	23.04		8/7	22.50	21.99	22.05	22.05
	6/0	22.50	22.30	21.89	21.99		15/0	22.50	22.19	22.31	22.10
16QAM	1/0	22.50	22.23	22.31	22.49	16QAM	1/0	22.50	22.26	22.35	22.36
	1/2	22.50	22.32	22.39	22.40		1/7	22.50	21.77	22.28	22.23
	1/5	22.50	22.32	22.38	22.36		1/14	22.50	22.21	22.40	22.17
	3/0	22.50	22.38	21.83	21.79		8/0	21.50	21.31	21.39	21.21
	3/1	22.50	22.31	22.16	21.84		8/3	21.50	21.30	21.27	21.18
	3/3	22.50	22.20	21.97	21.81		8/7	21.50	21.25	21.41	21.22
	6/0	21.50	21.47	21.33	21.30		15/0	21.50	21.14	21.10	21.26
LTE B4/BW=5M		Average Conducted Power(dBm)				LTE B4/BW=10M		Average Conducted Power(dBm)			
Modulation	RB Size/Offset	Max. Tune-up	Channel/Frequency(MHz)			Modulation	RB Size/Offset	Max. Tune-up	Channel/Frequency(MHz)		
			19975/1712.5	20175/1732.5	20375/1752.5				20000/1715	20175/1732.5	20350/1750
QPSK	1/0	23.50	23.23	23.14	23.28	QPSK	1/0	23.50	23.02	23.12	23.11
	1/12	23.50	23.08	23.08	23.04		1/24	23.50	22.89	23.03	23.08
	1/24	23.50	23.04	23.22	23.20		1/49	23.50	22.80	22.78	23.08
	12/0	22.50	22.19	21.96	22.01		25/0	22.50	21.81	22.01	21.94
	12/6	22.50	22.15	22.09	22.05		25/12	22.50	22.29	22.14	21.93
	12/13	22.50	22.12	21.95	22.02		25/25	22.50	21.89	21.98	21.95
	25/0	22.50	22.09	22.25	22.02		50/0	22.50	22.13	22.02	22.07
16QAM	1/0	22.50	21.63	21.57	22.42	16QAM	1/0	22.50	21.70	21.73	22.34
	1/12	22.50	22.18	21.43	21.52		1/24	22.50	21.54	21.69	22.43
	1/24	22.50	22.39	21.66	22.46		1/49	22.50	21.59	21.75	22.30
	12/0	21.50	21.16	21.27	21.19		25/0	21.50	21.39	21.05	21.05
	12/6	21.50	21.28	21.13	21.10		25/12	21.50	21.37	21.08	21.14
	12/13	21.50	21.28	21.07	20.98		25/25	21.50	21.42	21.05	21.14
	25/0	21.50	21.20	21.19	21.09		50/0	21.50	21.13	21.09	21.02



LTE B4/BW=15M		Average Conducted Power(dBm)				LTE B4/BW=20M		Average Conducted Power(dBm)			
Modulation	RB Size/Offset	Max. Tune-up	Channel/Frequency(MHz)			Modulation	RB Size/Offset	Max. Tune-up	Channel/Frequency(MHz)		
			20025/1717.5	20175/1732.5	20325/1747.5				20050/1720	20175/1732.5	20300/1745
QPSK	1/0	23.50	23.30	22.99	23.01	QPSK	1/0	23.50	23.49	23.21	23.33
	1/37	23.50	23.07	23.02	23.06		1/50	23.50	22.97	22.93	23.19
	1/74	23.50	22.97	22.99	22.97		1/99	23.50	22.74	23.07	22.99
	36/0	22.50	22.19	21.98	21.96		50/0	22.50	22.31	22.28	22.05
	36/19	22.50	21.95	21.96	21.99		50/25	22.50	22.05	22.23	21.89
	36/39	22.50	21.96	22.09	22.12		50/50	22.50	21.86	22.08	21.89
	75/0	22.50	22.13	22.09	21.98		100/0	22.50	22.14	21.99	21.97
16QAM	1/0	22.50	22.31	22.03	21.87	16QAM	1/0	22.50	22.49	22.46	22.30
	1/37	22.50	22.33	22.15	22.39		1/50	22.50	22.41	22.34	22.46
	1/74	22.50	22.19	22.08	22.30		1/99	22.50	22.43	22.23	22.39
	36/0	21.50	21.18	21.12	21.07		50/0	21.50	21.19	21.29	21.10
	36/19	21.50	21.20	21.16	21.06		50/25	21.50	21.20	21.13	21.09
	36/39	21.50	21.24	21.17	21.07		50/50	21.50	21.09	21.14	20.99
	75/0	21.50	21.25	21.05	21.09		100/0	21.50	21.29	21.14	21.02

Note: The tested channel results are marks in bold.



LTE B5/BW=1.4M		Average Conducted Power(dBm)				LTE B5/BW=3M		Average Conducted Power(dBm)			
Modulation	RB Size/Offset	Max. Tune-up	Channel/Frequency(MHz)			Modulation	RB Size/Offset	Max. Tune-up	Channel/Frequency(MHz)		
			20407/824.7	20525/836.5	20643/848.3				20415/825.5	20525/836.5	20635/847.5
QPSK	1/0	24.50	22.84	23.12	23.55	QPSK	1/0	24.50	22.87	23.23	23.48
	1/2	24.50	22.89	23.13	23.60		1/7	24.50	22.91	23.18	23.61
	1/5	24.50	22.89	23.08	23.60		1/14	24.50	22.98	23.19	23.50
	3/0	24.50	23.08	23.40	23.60		8/0	23.50	22.08	22.29	22.59
	3/1	24.50	22.91	23.40	23.61		8/3	23.50	22.06	22.32	22.60
	3/3	24.50	23.04	23.40	23.60		8/7	23.50	22.18	22.46	22.66
	6/0	23.50	22.15	22.28	22.68		15/0	23.50	22.09	22.31	22.53
16QAM	1/0	23.50	21.71	23.02	23.41	16QAM	1/0	23.50	21.53	23.31	23.47
	1/2	23.50	22.20	22.73	23.37		1/7	23.50	21.56	23.34	23.34
	1/5	23.50	21.51	23.18	23.22		1/14	23.50	21.64	23.27	23.31
	3/0	23.50	22.39	22.09	22.67		8/0	22.50	21.42	21.69	21.72
	3/1	23.50	22.00	22.67	22.55		8/3	22.50	21.43	21.71	21.72
	3/3	23.50	22.39	22.10	22.55		8/7	22.50	21.55	21.79	21.80
	6/0	22.50	21.34	21.64	21.74		15/0	22.50	21.06	21.50	21.90
LTE B5/BW=5M		Average Conducted Power(dBm)				LTE B5/BW=10M		Average Conducted Power(dBm)			
Modulation	RB Size/Offset	Max. Tune-up	Channel/Frequency(MHz)			Modulation	RB Size/Offset	Max. Tune-up	Channel/Frequency(MHz)		
			20425/826.5	20525/836.5	20625/846.5				20450/829	20525/836.5	20600/844
QPSK	1/0	24.50	23.17	23.44	23.77	QPSK	1/0	24.50	23.20	23.38	23.40
	1/12	24.50	23.17	23.73	23.84		1/24	24.50	23.23	23.47	23.68
	1/24	24.50	23.25	23.54	23.99		1/49	24.50	23.56	23.71	24.08
	12/0	23.50	22.03	22.20	22.69		25/0	23.50	22.25	22.18	22.72
	12/6	23.50	22.02	22.37	22.70		25/12	23.50	22.23	22.19	22.56
	12/13	23.50	22.01	22.38	22.71		25/25	23.50	22.21	22.37	22.56
	25/0	23.50	22.26	22.40	22.58		50/0	23.50	22.23	22.33	22.47
16QAM	1/0	23.50	22.23	21.70	23.35	16QAM	1/0	23.50	21.55	22.84	22.94
	1/12	23.50	22.34	21.84	23.49		1/24	23.50	22.28	22.98	23.23
	1/24	23.50	22.34	21.92	23.34		1/49	23.50	22.42	23.17	23.31
	12/0	22.50	21.06	21.51	21.65		25/0	22.50	21.33	21.38	21.71
	12/6	22.50	21.08	21.38	21.67		25/12	22.50	21.52	21.40	21.74
	12/13	22.50	21.08	21.36	21.68		25/25	22.50	21.61	21.42	21.57
	25/0	22.50	21.18	21.54	21.57		50/0	22.50	21.34	21.53	21.62

Note: The tested channel results are marks in bold.



LTE B25/BW=1.4M		Average Conducted Power(dBm)				LTE B25/BW=3M		Average Conducted Power(dBm)			
Modulation	RB Size/Offset	Max. Tune-up	Channel/Frequency(MHz)			Modulation	RB Size/Offset	Max. Tune-up	Channel/Frequency(MHz)		
			26047/1850.7	26365/1882.5	26683/1914.3				26055/1851.5	26365/1882.5	26675/1913.5
QPSK	1/0	24.50	23.19	23.14	23.83	QPSK	1/0	24.50	23.16	23.11	24.00
	1/2	24.50	23.16	23.14	23.99		1/7	24.50	23.25	23.27	24.05
	1/5	24.50	23.12	23.12	23.97		1/14	24.50	23.22	23.21	24.03
	3/0	24.50	23.39	23.31	23.94		8/0	23.50	22.34	22.31	23.00
	3/1	24.50	23.39	23.31	23.96		8/3	23.50	22.31	22.29	23.02
	3/3	24.50	23.34	23.28	23.91		8/7	23.50	22.31	22.35	23.03
	6/0	23.50	22.26	22.34	23.02		15/0	23.50	22.29	22.32	23.02
16QAM	1/0	23.50	22.52	23.07	22.57	16QAM	1/0	23.50	21.81	22.64	22.98
	1/2	23.50	22.59	23.05	22.73		1/7	23.50	21.92	22.65	23.24
	1/5	23.50	22.51	22.91	22.70		1/14	23.50	21.94	22.57	23.49
	3/0	23.50	22.28	22.48	23.14		8/0	22.50	21.66	21.51	22.13
	3/1	23.50	22.38	22.42	23.13		8/3	22.50	21.68	21.53	22.01
	3/3	23.50	22.31	22.42	23.12		8/7	22.50	21.62	21.63	22.20
	6/0	22.50	21.56	21.42	22.03		15/0	22.50	21.38	21.43	22.21
LTE B25/BW=5M		Average Conducted Power(dBm)				LTE B25/BW=10M		Average Conducted Power(dBm)			
Modulation	RB Size/Offset	Max. Tune-up	Channel/Frequency(MHz)			Modulation	RB Size/Offset	Max. Tune-up	Channel/Frequency(MHz)		
			26065/1852.5	26365/1882.5	26665/1912.5				26090/1855	26365/1882.5	26640/1910
QPSK	1/0	24.50	23.32	23.20	23.82	QPSK	1/0	24.50	23.57	23.46	23.32
	1/12	24.50	23.35	23.55	24.23		1/24	24.50	23.59	23.35	23.60
	1/24	24.50	23.31	23.32	24.14		1/49	24.50	23.49	23.47	24.01
	12/0	23.50	22.28	22.34	22.80		25/0	23.50	22.25	22.28	22.64
	12/6	23.50	22.28	22.30	22.88		25/12	23.50	22.29	22.28	22.66
	12/13	23.50	22.39	22.30	22.80		25/25	23.50	22.43	22.26	22.65
	25/0	23.50	22.43	22.28	23.04		50/0	23.50	22.25	22.23	22.71
16QAM	1/0	23.50	22.32	22.11	22.88	16QAM	1/0	23.50	22.42	23.08	22.15
	1/12	23.50	21.89	22.29	23.27		1/24	23.50	22.79	22.52	22.26
	1/24	23.50	22.36	22.18	23.18		1/49	23.50	22.47	23.18	22.67
	12/0	22.50	21.32	21.34	21.94		25/0	22.50	21.40	21.42	21.89
	12/6	22.50	21.33	21.32	21.81		25/12	22.50	21.41	21.41	21.90
	12/13	22.50	21.31	21.37	21.80		25/25	22.50	21.38	21.43	21.89
	25/0	22.50	21.41	21.46	21.95		50/0	22.50	21.39	21.38	21.83



LTE B25/BW=15M		Average Conducted Power(dBm)				LTE B25/BW=20M		Average Conducted Power(dBm)			
Modulation	RB Size/Offset	Max. Tune-up	Channel/Frequency(MHz)			Modulation	RB Size/Offset	Max. Tune-up	Channel/Frequency(MHz)		
			26115/1857.5	26365/1882.5	26615/1907.5				26140/1860	26365/1882.5	26590/1905
QPSK	1/0	24.50	23.26	23.44	23.29	QPSK	1/0	24.50	23.61	23.44	23.47
	1/37	24.50	23.30	23.48	23.62		1/50	24.50	23.65	23.52	23.68
	1/74	24.50	22.96	23.13	24.05		1/99	24.50	23.69	23.81	24.29
	36/0	23.50	22.24	22.06	22.56		50/0	23.50	22.34	22.23	22.40
	36/19	23.50	22.35	22.21	22.58		50/25	23.50	22.33	22.35	22.40
	36/39	23.50	22.32	22.40	22.57		50/50	23.50	22.17	22.23	22.48
	75/0	23.50	22.35	22.30	22.63		100/0	23.50	22.40	22.28	22.48
16QAM	1/0	23.50	21.90	22.84	23.21	16QAM	1/0	23.50	23.20	22.65	22.79
	1/37	23.50	21.95	22.71	23.18		1/50	23.50	23.19	22.59	22.91
	1/74	23.50	21.96	22.80	23.17		1/99	23.50	23.15	22.81	23.44
	36/0	22.50	21.43	21.41	21.72		50/0	22.50	21.37	21.83	21.61
	36/19	22.50	21.43	21.35	21.74		50/25	22.50	21.41	21.84	21.63
	36/39	22.50	21.43	21.41	21.62		50/50	22.50	21.30	21.82	21.53
	75/0	22.50	21.30	21.43	21.84		100/0	22.50	21.46	21.36	21.60

Note: The tested channel results are marks in bold.



LTE B26/BW=1.4M		Average Conducted Power(dBm)				LTE B26/BW=3M		Average Conducted Power(dBm)			
Modulation	RB Size/Offset	Max. Tune-up	Channel/Frequency(MHz)			Modulation	RB Size/Offset	Max. Tune-up	Channel/Frequency(MHz)		
			26697/814.7	26865/831.5	27033/848.3				26705/815.5	26865/831.5	27025/847.5
QPSK	1/0	24.50	22.77	22.88	23.02	QPSK	1/0	24.50	22.79	23.17	23.59
	1/2	24.50	22.64	22.99	23.17		1/7	24.50	22.72	23.43	23.56
	1/5	24.50	22.68	22.93	23.16		1/14	24.50	22.82	23.30	23.61
	3/0	24.50	22.91	22.60	22.74		8/0	23.50	21.59	21.58	21.70
	3/1	24.50	23.05	22.60	22.60		8/3	23.50	21.60	21.60	21.73
	3/3	24.50	23.06	22.59	22.59		8/7	23.50	21.70	21.62	21.84
	6/0	23.50	21.66	21.75	21.85		15/0	23.50	21.65	21.61	21.67
16QAM	1/0	23.50	22.67	23.39	22.81	16QAM	1/0	23.50	21.86	23.37	23.45
	1/2	23.50	22.84	23.20	22.84		1/7	23.50	22.26	23.45	23.46
	1/5	23.50	23.09	23.32	22.75		1/14	23.50	22.19	23.48	23.42
	3/0	23.50	22.09	22.13	22.44		8/0	22.50	21.47	21.82	21.85
	3/1	23.50	21.97	22.15	22.34		8/3	22.50	21.49	21.84	21.87
	3/3	23.50	21.96	22.15	22.46		8/7	22.50	21.62	21.84	21.82
	6/0	22.50	21.09	21.24	21.73		15/0	22.50	21.25	21.57	21.86
LTE B26/BW=5M		Average Conducted Power(dBm)				LTE B26/BW=10M		Average Conducted Power(dBm)			
Modulation	RB Size/Offset	Max. Tune-up	Channel/Frequency(MHz)			Modulation	RB Size/Offset	Max. Tune-up	Channel/Frequency(MHz)		
			26715/816.5	26865/831.5	27015/846.5				26740/819	26865/831.5	26990/844
QPSK	1/0	24.50	23.13	23.56	23.91	QPSK	1/0	24.50	23.03	23.16	23.67
	1/12	24.50	23.26	23.53	23.96		1/24	24.50	23.06	23.45	23.79
	1/24	24.50	23.37	23.53	23.95		1/49	24.50	23.21	23.50	23.86
	12/0	23.50	21.72	21.97	21.67		25/0	23.50	21.66	21.97	21.98
	12/6	23.50	21.73	21.99	21.71		25/12	23.50	21.65	21.96	22.01
	12/13	23.50	21.72	22.00	21.55		25/25	23.50	21.66	21.81	21.99
	25/0	23.50	21.87	22.01	21.75		50/0	23.50	21.87	21.93	22.08
16QAM	1/0	23.50	22.83	22.22	23.18	16QAM	1/0	23.50	22.80	23.05	23.03
	1/12	23.50	22.74	22.40	23.46		1/24	23.50	22.96	23.18	23.26
	1/24	23.50	22.83	22.41	23.36		1/49	23.50	22.96	23.37	23.44
	12/0	22.50	21.13	21.58	21.63		25/0	22.50	22.17	21.98	22.19
	12/6	22.50	21.15	21.44	21.50		25/12	22.50	22.01	21.98	22.19
	12/13	22.50	21.14	21.61	21.68		25/25	22.50	21.99	21.98	22.22
	25/0	22.50	21.28	21.64	21.67		50/0	22.50	21.90	22.13	22.23



LTE B26/BW=15M		Average Conducted Power(dBm)			
Modulation	RB Size/Offset	Max. Tune-up	Channel/Frequency(MHz)		
			26765/821.5	26865/831.5	26965/841.5
QPSK	1/0	24.50	23.65	23.47	24.28
	1/37	24.50	23.49	23.85	24.06
	1/74	24.50	24.03	24.26	24.47
	36/0	23.50	21.70	21.89	21.97
	36/19	23.50	21.79	21.78	22.14
	36/39	23.50	21.79	21.88	21.97
	75/0	23.50	21.84	21.89	21.93
16QAM	1/0	23.50	22.76	23.07	23.43
	1/37	23.50	23.46	23.42	23.47
	1/74	23.50	23.08	23.32	23.49
	36/0	22.50	21.93	22.05	22.14
	36/19	22.50	21.94	22.08	22.18
	36/39	22.50	21.93	21.92	22.17
	75/0	22.50	22.00	22.08	22.27

Note: The tested channel results are marks in bold.



LTE B66/BW=1.4M		Average Conducted Power(dBm)				LTE B66/BW=3M		Average Conducted Power(dBm)			
Modulation	RB Size/Offset	Max. Tune-up	Channel/Frequency(MHz)			Modulation	RB Size/Offset	Max. Tune-up	Channel/Frequency(MHz)		
			131979 / 1710.7	132322 / 1745	132665 / 1779.3				131987 / 1711.5	132322 / 1745	132657 / 1778.5
QPSK	1/0	23.50	23.00	22.88	23.04	QPSK	1/0	23.50	22.97	22.99	23.29
	1/2	23.50	22.96	22.88	23.07		1/7	23.50	23.04	22.99	23.19
	1/5	23.50	23.01	22.83	23.05		1/14	23.50	23.05	23.02	23.33
	3/0	23.50	23.19	23.12	23.11		8/0	22.50	22.15	21.98	22.12
	3/1	23.50	23.15	23.11	23.25		8/3	22.50	22.26	21.97	22.26
	3/3	23.50	23.29	22.97	23.23		8/7	22.50	22.11	22.07	22.28
	6/0	22.50	22.19	22.13	22.21		15/0	22.50	22.19	22.09	22.23
16QAM	1/0	22.50	22.40	22.29	21.11	16QAM	1/0	22.50	21.74	22.44	22.36
	1/2	22.50	22.00	22.34	21.10		1/7	22.50	21.25	22.11	22.46
	1/5	22.50	21.95	22.41	21.22		1/14	22.50	21.75	22.33	22.33
	3/0	22.50	21.88	21.86	22.19		8/0	21.50	20.98	21.37	21.35
	3/1	22.50	21.88	21.85	22.19		8/3	21.50	20.98	21.39	21.23
	3/3	22.50	22.24	21.85	22.17		8/7	21.50	20.94	21.37	21.26
	6/0	21.50	21.45	21.27	21.43		15/0	21.50	20.69	21.21	21.30
LTE B66/BW=5M		Average Conducted Power(dBm)				LTE B66/BW=10M		Average Conducted Power(dBm)			
Modulation	RB Size/Offset	Max. Tune-up	Channel/Frequency(MHz)			Modulation	RB Size/Offset	Max. Tune-up	Channel/Frequency(MHz)		
			131997 / 1712.5	132322 / 1745	132647 / 1777.5				132022 / 1715	132322 / 1745	132622 / 1775
QPSK	1/0	23.50	23.26	23.02	23.05	QPSK	1/0	23.50	23.02	23.05	23.20
	1/12	23.50	23.28	23.30	23.35		1/24	23.50	22.97	23.03	23.11
	1/24	23.50	23.22	23.21	23.14		1/49	23.50	22.91	23.13	23.24
	12/0	22.50	22.25	22.08	22.32		25/0	22.50	22.04	22.15	22.16
	12/6	22.50	22.22	22.11	22.08		25/12	22.50	22.23	22.14	22.17
	12/13	22.50	22.21	22.04	22.07		25/25	22.50	22.14	22.14	22.16
	25/0	22.50	22.17	22.05	22.20		50/0	22.50	22.16	22.03	22.08
16QAM	1/0	22.50	21.77	21.09	22.16	16QAM	1/0	22.50	21.19	21.90	22.47
	1/12	22.50	22.24	21.15	22.34		1/24	22.50	21.07	22.04	22.41
	1/24	22.50	21.87	21.06	22.20		1/49	22.50	21.30	21.92	22.06
	12/0	21.50	21.31	21.17	21.14		25/0	21.50	21.41	21.17	21.28
	12/6	21.50	21.19	21.17	21.13		25/12	21.50	21.44	21.04	21.28
	12/13	21.50	21.31	21.04	21.24		25/25	21.50	21.39	21.03	21.27
	25/0	21.50	21.21	21.31	21.13		50/0	21.50	21.15	21.15	21.22



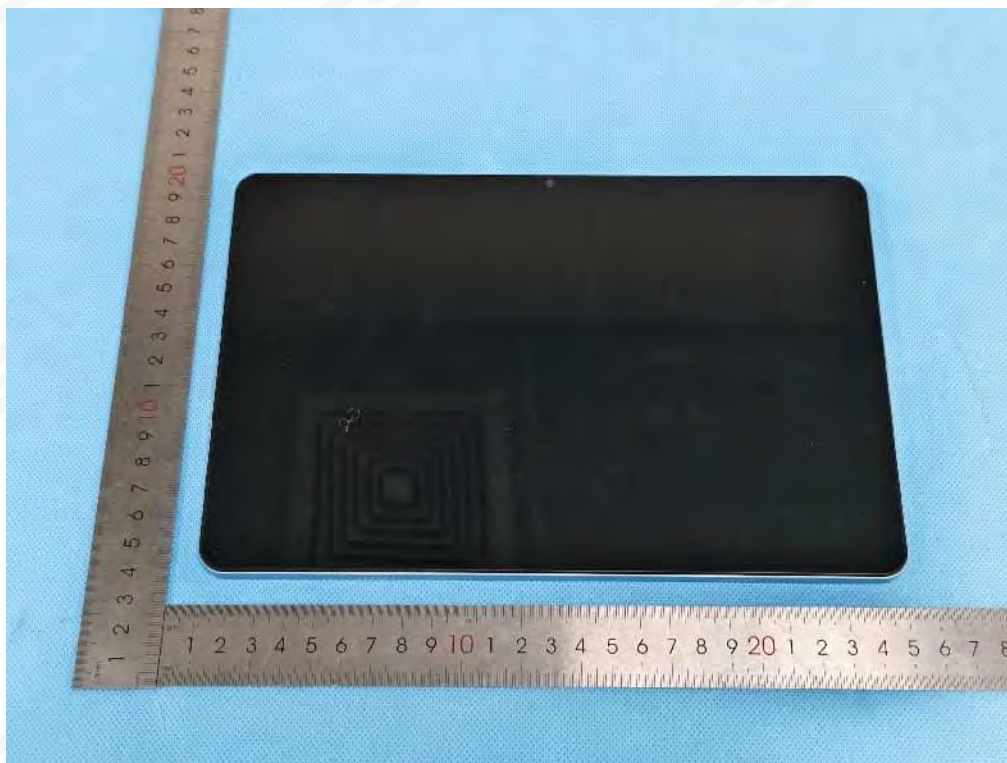
LTE B66/BW=15M			Average Conducted Power(dBm)			LTE B66/BW=20M			Average Conducted Power(dBm)		
Modulation	RB Size/Offset	Max. Tune-up	Channel/Frequency(MHz)			Modulation	RB Size/Offset	Max. Tune-up	Channel/Frequency(MHz)		
			132047/1717.5	132322/1745	132597/1772.5				132072/1720	132322/1745	132572/1770
QPSK	1/0	23.50	22.70	22.98	23.07	QPSK	1/0	23.50	23.27	23.24	22.81
	1/37	23.50	22.58	23.06	23.18		1/50	23.50	23.07	23.16	23.07
	1/74	23.50	22.76	22.95	23.19		1/99	23.50	23.29	23.36	23.13
	36/0	22.50	22.25	22.10	22.12		50/0	22.50	22.20	22.29	22.16
	36/19	22.50	22.22	22.08	22.17		50/25	22.50	22.20	21.86	22.16
	36/39	22.50	22.20	22.06	22.04		50/50	22.50	22.16	22.10	22.16
	75/0	22.50	22.12	22.04	22.28		100/0	22.50	22.07	22.03	22.07
16QAM	1/0	22.50	21.80	21.94	22.31	16QAM	1/0	22.50	22.41	21.45	22.09
	1/37	22.50	21.99	21.91	22.27		1/50	22.50	22.33	21.66	22.04
	1/74	22.50	21.94	21.93	22.29		1/99	22.50	22.32	21.69	22.15
	36/0	21.50	21.25	21.25	21.28		50/0	21.50	21.27	21.14	21.32
	36/19	21.50	21.25	21.11	21.31		50/25	21.50	21.22	21.14	21.36
	36/39	21.50	21.26	21.13	21.30		50/50	21.50	21.27	21.16	21.34
	75/0	21.50	21.26	21.19	21.26		100/0	21.50	21.31	21.11	21.21

Note: The tested channel results are marks in bold.

11. EUT and Test Setup Photo

11.1 EUT Photo

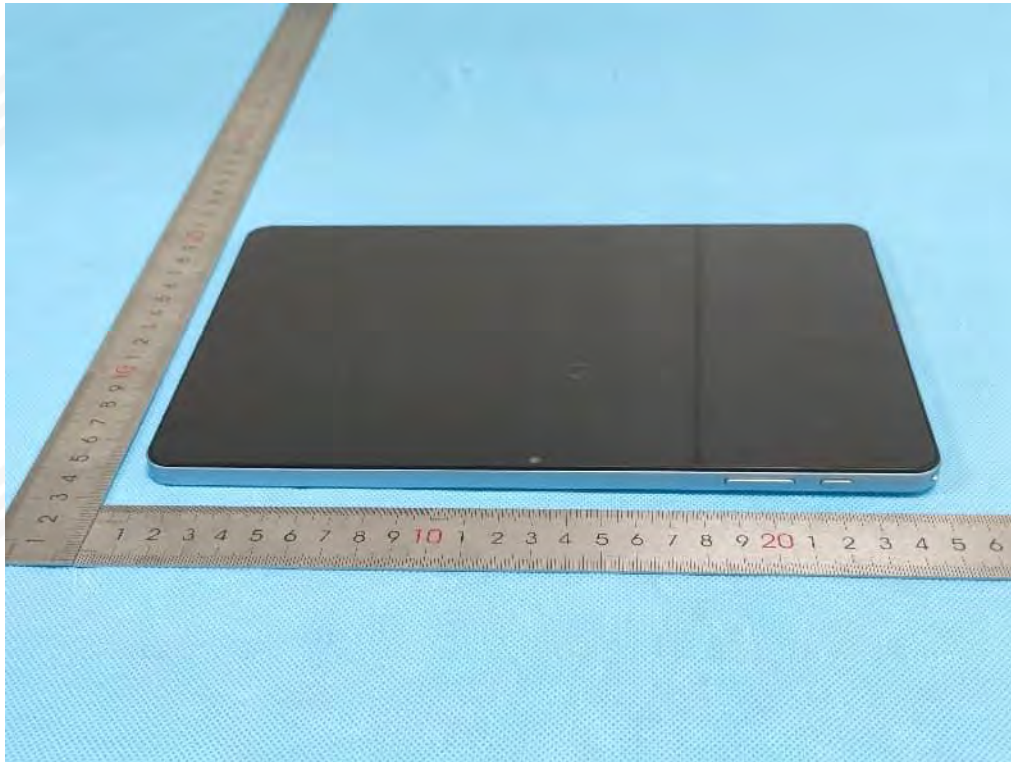
Front side



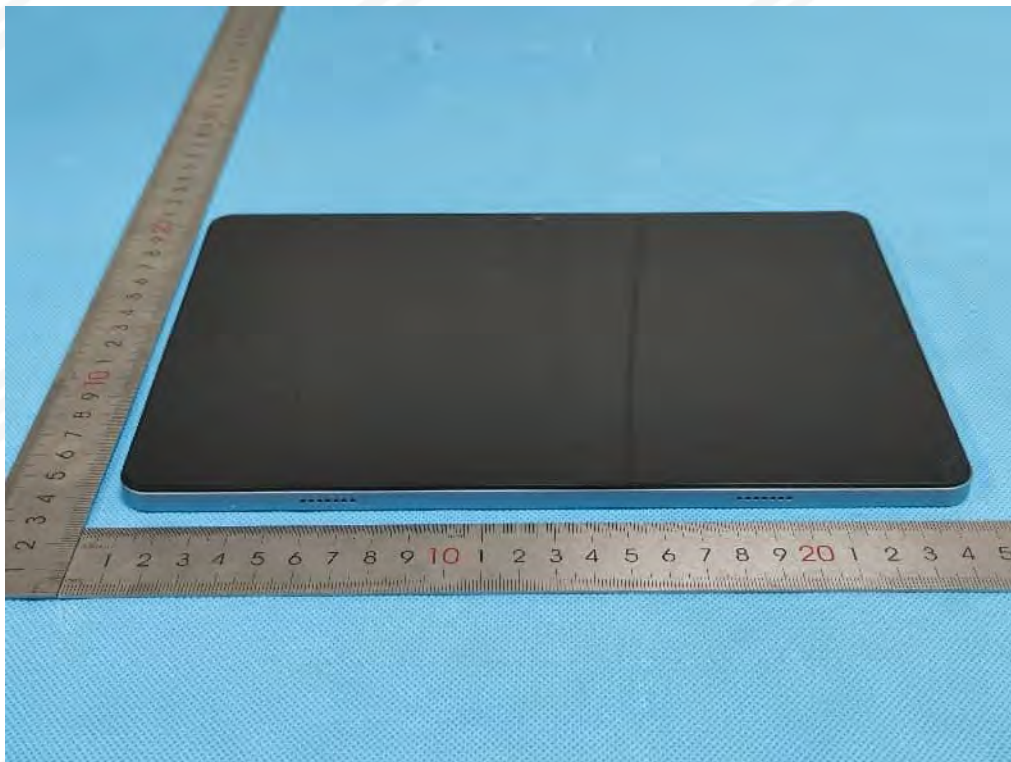
Back side



Top side



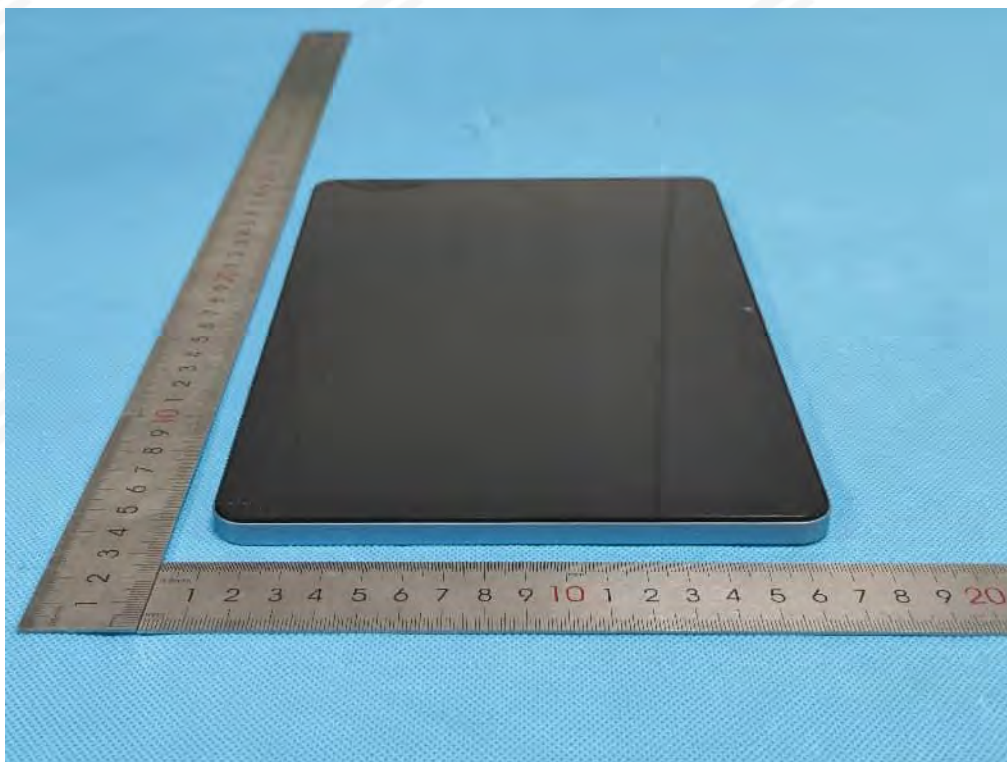
Bottom side



Left side



Right side





11.2 Setup Photo

Photo 1: Front Face_0cm



Photo 2: Rear Face_0cm



Photo 3: Left Side_0cm



Photo 4: Right Side_0cm

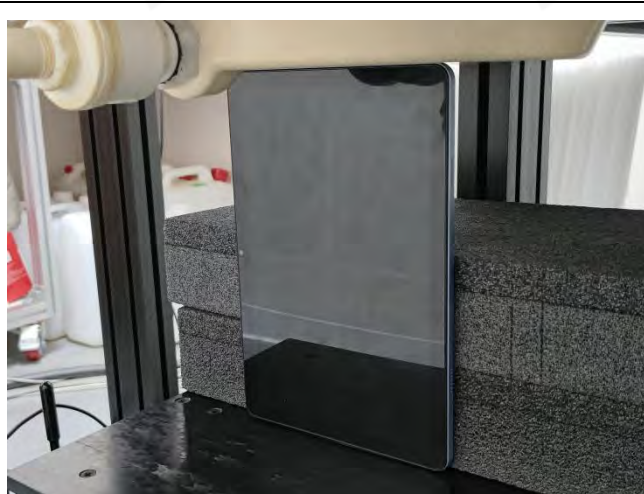


Photo 5: Top Side_0cm

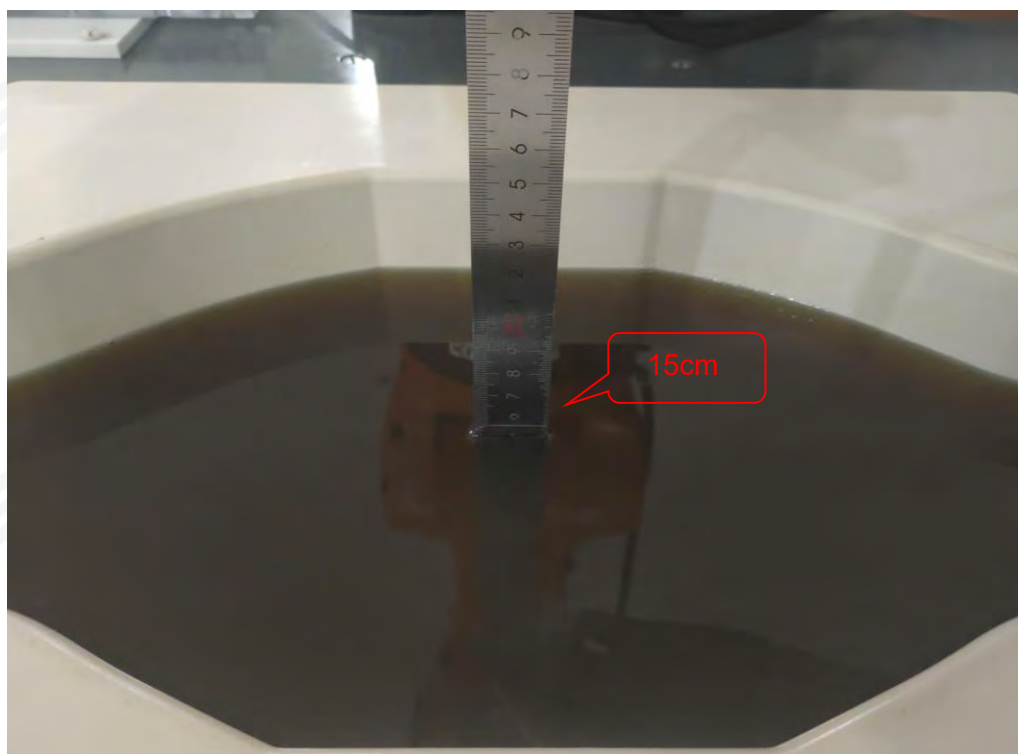


Photo 6: Bottom Side_0cm





Liquid depth (15 cm)





12. SAR Result Summary

12.1 Body SAR

GSM

Test No.	Band	Mode	Channel	Test Position	Separation Distance (cm)	Ant	SIM	Maximum Tune-up (dBm)	Conducted Power (dBm)	Power Drift (dB)	SAR 1g (W/kg)	SAR 10g (W/kg)	Reported 10g SAR (W/kg)
G01	GSM 850	GPRS 2Tx	128	Rear Face	0	Main	1	32	31.24	-0.04	0.524	0.258	0.624
G14			128	Left Side	0	Main	1	32	31.24	0.07	0.018	0.006	0.021
G02			128	Right Side	0	Main	1	32	31.24	0.06	0.377	0.155	0.449
G03			128	Top Side	0	Main	1	32	31.24	0.06	0.438	0.221	0.522
G15			128	Bottom Side	0	Main	1	32	31.24	0	<0.01	<0.01	<0.01
G04			190	Rear Face	0	Main	1	32	31.19	0.01	0.513	0.248	0.618
G05			251	Rear Face	0	Main	1	32	31.13	0.03	0.510	0.255	0.623
G06			128	Rear Face	0	Main	2	32	31.24	-0.04	0.525	0.274	0.625
G08	GSM 1900	GPRS 2Tx	512	Rear Face	0	Main	1	28	27.55	0.05	0.566	0.280	0.628
G09			512	Right Side	0	Main	1	28	27.55	0.03	0.367	0.133	0.407
G10			512	Top Side	0	Main	1	28	27.55	0.02	0.428	0.185	0.475
G11			661	Rear Face	0	Main	1	28	27.54	0.06	0.558	0.267	0.620
G12			810	Rear Face	0	Main	1	28	27.38	0.03	0.540	0.256	0.623
G13			512	Rear Face	0	Main	2	28	27.55	0.04	0.552	0.274	0.612

WCDMA

Test No.	Band	Mode	Channel	Test Position	Separation Distance (cm)	Ant	SIM	Maximum Tune-up (dBm)	Conducted Power (dBm)	Power Drift (dB)	SAR 1g (W/kg)	SAR 10g (W/kg)	Reported 10g SAR (W/kg)
U01	UMTS B2	RMC12.2K	9538	Rear Face	0	Main	1	23	22.63	-0.01	0.631	0.333	0.687
U02			9538	Right Side	0	Main	1	23	22.63	0.06	0.315	0.155	0.343
U03			9538	Top Side	0	Main	1	23	22.63	0.06	0.402	0.221	0.438
U04			9262	Rear Face	0	Main	1	23	22.6	0.03	0.619	0.302	0.679
U05			9400	Rear Face	0	Main	1	23	22.46	0.02	0.606	0.313	0.686
U06			9538	Rear Face	0	Main	2	23	22.63	0.01	0.628	0.328	0.684
U08	UMTS B4	RMC12.2K	1312	Rear Face	0	Main	1	23	22.53	0.06	0.765	0.400	0.852
U09			1312	Right Side	0	Main	1	23	22.53	0.03	0.297	0.118	0.331
U10			1312	Top Side	0	Main	1	23	22.53	0.01	0.445	0.228	0.496
U11			1413	Rear Face	0	Main	1	23	22.47	0.03	0.751	0.389	0.848
U12			1513	Rear Face	0	Main	1	23	22.47	0.06	0.745	0.388	0.842
U13			1312	Rear Face	0	Main	2	23	22.53	0.02	0.760	0.398	0.847
U14			1312	Rear Face(Repeated)	0	Main	1	23	22.53	0.06	0.747	0.391	0.832
U15	UMTS B5	RMC12.2K	4132	Rear Face	0	Main	1	23.5	22.98	0.04	0.635	0.329	0.716
U16			4132	Right Side	0	Main	1	23.5	22.98	0.06	0.218	0.155	0.246
U17			4132	Top Side	0	Main	1	23.5	22.98	0.06	0.338	0.221	0.381
U18			4181	Rear Face	0	Main	1	23.5	22.76	0.03	0.591	0.288	0.701
U19			4233	Rear Face	0	Main	1	23.5	22.59	0.02	0.580	0.313	0.715
U20			4132	Rear Face	0	Main	2	23.5	22.98	0.01	0.611	0.325	0.689



LTE

Test No.	Band	Mode	Channel	RB	offset	Test Position	Separation Distance (cm)	Ant	SIM	Maximum Tune-up (dBm)	Conducted Power (dBm)	Power Drift (dB)	SAR 1g (W/kg)	SAR 10g (W/kg)	Reported 10g SAR (W/kg)
L01	LTE B2	QPSK20M	19100	1	99	Rear Face	0	Main	1	24	23.96	-0.03	0.644	0.349	0.650
L02			19100	1	99	Right Side	0	Main	1	24	23.96	0.03	0.380	0.194	0.384
L03			19100	1	99	Top Side	0	Main	1	24	23.96	0.02	0.442	0.231	0.446
L04			19100	50	50	Rear Face	0	Main	1	23	22.34	0.01	0.552	0.332	0.643
L05			19100	50	50	Right Side	0	Main	1	23	22.34	0.01	0.308	0.160	0.359
L06			19100	50	50	Top Side	0	Main	1	23	22.34	0.06	0.433	0.188	0.504
L07			18700	1	99	Rear Face	0	Main	1	24	23.34	-0.02	0.557	0.333	0.648
L08			18900	1	99	Rear Face	0	Main	1	24	23.35	0.03	0.552	0.228	0.641
L09			19100	1	99	Rear Face	0	Main	2	24	23.96	0.04	0.637	0.338	0.643
L11	LTE B4	QPSK20M	20050	1	0	Rear Face	0	Main	1	23.5	23.49	0.02	0.537	0.299	0.538
L12			20050	1	0	Right Side	0	Main	1	23.5	23.49	0.06	0.119	0.061	0.119
L13			20050	1	0	Top Side	0	Main	1	23.5	23.49	-0.04	0.388	0.113	0.389
L14			20050	50	0	Rear Face	0	Main	1	22.5	22.31	0.02	0.486	0.112	0.508
L15			20050	50	0	Right Side	0	Main	1	22.5	22.31	0.03	0.094	0.047	0.098
L16			20050	50	0	Top Side	0	Main	1	22.5	22.31	0.02	0.378	0.098	0.395
L17			20175	1	0	Rear Face	0	Main	1	23.5	22.90	0.08	0.450	0.265	0.517
L18			20300	1	0	Rear Face	0	Main	1	23.5	23.15	0.01	0.448	0.225	0.486
L19			20050	1	0	Rear Face	0	Main	2	23.5	23.49	0.09	0.488	0.277	0.489
L21	LTE B5	QPSK10M	20600	1	49	Rear Face	0	Main	1	24.5	24.08	0.06	0.416	0.201	0.458
L22			20600	1	49	Right Side	0	Main	1	24.5	24.08	-0.04	0.102	0.060	0.112
L23			20600	1	49	Top Side	0	Main	1	24.5	24.08	0.03	0.228	0.110	0.251
L24			20600	25	0	Rear Face	0	Main	1	23.5	22.72	0.02	0.338	0.189	0.404
L25			20600	25	0	Right Side	0	Main	1	23.5	22.72	0.08	0.021	0.011	0.025
L26			20600	25	0	Top Side	0	Main	1	23.5	22.72	0.01	0.202	0.102	0.242
L27			20450	1	49	Rear Face	0	Main	1	24.5	22.99	-0.03	0.426	0.229	0.603
L28			20525	1	49	Rear Face	0	Main	1	24.5	23.45	0.02	0.401	0.210	0.511
L29			20450	1	49	Rear Face	0	Main	2	24.5	22.99	0.04	0.420	0.211	0.595
L31	LTE B25	QPSK20M	26590	1	99	Rear Face	0	Main	1	24.5	24.29	-0.01	0.653	0.356	0.685
L32			26590	1	99	Right Side	0	Main	1	24.5	24.29	-0.04	0.355	0.112	0.373
L33			26590	1	99	Top Side	0	Main	1	24.5	24.29	0.02	0.442	0.200	0.464
L34			26590	50	50	Rear Face	0	Main	1	23.5	22.48	0.03	0.553	0.311	0.699
L35			26590	50	50	Right Side	0	Main	1	23.5	22.48	0.02	0.343	0.175	0.434
L36			26590	50	50	Top Side	0	Main	1	23.5	22.48	0.08	0.421	0.119	0.532
L37			26140	1	99	Rear Face	0	Main	1	24.5	23.27	0.01	0.509	0.335	0.676
L38			26365	1	99	Rear Face	0	Main	1	24.5	23.25	-0.04	0.512	0.351	0.683
L39			26590	1	99	Rear Face	0	Main	2	24.5	24.29	0.08	0.645	0.351	0.677
L41	LTE B26	QPSK15M	26965	1	74	Rear Face	0	Main	1	24.5	24.47	0.05	0.211	0.120	0.212
L42			26965	1	74	Right Side	0	Main	1	24.5	24.47	-0.04	0.023	0.009	0.023
L43			26965	1	74	Top Side	0	Main	1	24.5	24.47	0.02	0.082	0.007	0.082
L44			26965	36	19	Rear Face	0	Main	1	23.5	22.14	0.02	0.151	0.080	0.207
L45			26965	36	19	Right Side	0	Main	1	23.5	22.14	0.08	0.011	0.005	0.014
L46			26965	36	19	Top Side	0	Main	1	23.5	22.14	0.01	0.074	0.007	0.101
L47			26765	1	74	Rear Face	0	Main	1	24.5	23.48	-0.04	0.151	0.090	0.191
L48			26865	1	74	Rear Face	0	Main	1	24.5	23.87	0.08	0.150	0.091	0.173
L49			26965	1	74	Rear Face	0	Main	2	24.5	24.47	0.08	0.190	0.093	0.191



L51	LTE B66	QPSK20M	132322	1	99	Rear Face	0	Main	1	23.5	23.36	-0.03	0.556	0.304	0.574
L52			132322	1	99	Right Side	0	Main	1	23.5	23.36	-0.04	0.121	0.070	0.125
L53			132322	1	99	Top Side	0	Main	1	23.5	23.36	0.03	0.332	0.102	0.343
L54			132322	50	0	Rear Face	0	Main	1	22.5	22.29	0.02	0.524	0.198	0.550
L55			132322	50	0	Right Side	0	Main	1	22.5	22.29	0.08	0.083	0.048	0.087
L56			132322	50	0	Top Side	0	Main	1	22.5	22.29	0.01	0.321	0.112	0.337
L57			132072	1	99	Rear Face	0	Main	1	23.5	23.19	-0.03	0.523	0.224	0.562
L58			132572	1	99	Rear Face	0	Main	1	23.5	23.13	0.02	0.521	0.221	0.567
L59			132322	1	99	Rear Face	0	Main	2	23.5	23.36	0.06	0.523	0.256	0.540

WIFI

Test No.	Band	Channel	Test Position	Separation Distance (cm)	Ant	Data Rate	Duty Cycle	Maximum Tune-up (dBm)	Conducted Power (dBm)	Power Drift (dB)	SAR 1g (W/kg)	SAR 10g (W/kg)	Reported 10g SAR (W/kg)
W01	802.11 n20	6	Rear Face	0	WIFI	MCS0	90%	19.5	19.33	0.07	0.261	0.102	0.301
W02		6	Top Side	0	WIFI	MCS0	90%	19.5	19.33	0.06	0.088	0.028	0.101
W03		1	Rear Face	0	WIFI	MCS0	90%	19.5	19.08	0.06	0.242	0.092	0.295
W04		11	Rear Face	0	WIFI	MCS0	90%	19.5	19.02	0.03	0.168	0.095	0.208
B01	BT	39	Rear Face	0	BT	3DH5	77.02%	7.5	7.05	0.02	0.063	0.019	0.091
B02		39	Top Side	0	BT	3DH5	77.02%	7.5	7.05	0.05	0.041	0.008	0.059
B03		0	Rear Face	0	BT	3DH5	77.02%	7.5	6.01	0.06	0.045	0.013	0.082
B04		78	Rear Face	0	BT	3DH5	77.02%	7.5	5.71	-0.05	0.046	0.014	0.090
W06	802.11 n20	48	Rear Face	0	WIFI	MCS0	92.14%	14	12.85	-0.09	0.342	0.094	0.484
W07		48	Top Side	0	WIFI	MCS0	92.14%	14	12.85	0.03	0.201	0.055	0.284
W08		36	Rear Face	0	WIFI	MCS0	92.14%	14	12.03	0.03	0.278	0.089	0.475
W09		40	Rear Face	0	WIFI	MCS0	92.14%	14	11.40	0.01	0.244	0.087	0.482
W11	802.11 n80	155	Rear Face	0	WIFI	MCS0	92%	12.5	11.53	0.04	0.243	0.084	0.330
W12		155	Top Side	0	WIFI	MCS0	92%	12.5	11.53	0.03	0.128	0.046	0.174

Note:

- Per KDB 447498 D04, the reported SAR is the measured SAR value adjusted for maximum tune-up tolerance.
 - Tune-up scaling Factor = tune-up limit power (mW) / EUT RF power (mW), where tune-up limit is the maximum rated power among all production units.
 - Scaled SAR(W/kg)= Measured SAR(W/kg)*Tune-up Scaling Factor
- Per KDB 865664 D01, for each frequency band, repeated SAR measurement is required only when the measured SAR is ≥ 0.8 W/Kg.
- Per KDB 865664 D01, if the ratio of largest to smallest SAR for the original and first repeated measurement is ≤ 1.2 and the measured SAR < 1.45 W/Kg, only one repeated measurement is required.
- 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.
- The ratio is the difference in percentage between original and repeated measured SAR.



12.2 Simultaneous Multi-band Transmission Evaluation

Application Simultaneous Transmission information:

Position	Simultaneous State
Body	1. GSM + 2.4GHz WLAN/5G WLAN
	2. GSM + Bluetooth
	3. WCDMA + 2.4GHz WLAN/5G WLAN
	4. WCDMA + Bluetooth
	5. LTE + 2.4GHz WLAN/5G WLAN
	6. LTE + Bluetooth

Note: Bluetooth and WLAN can't simultaneous transmission at the same time.

Position SAR _{10g} (W/Kg)	Front Face	Rear Face	Left Side	Right Side	Top Side	Bottom Side
GSM 850	/	0.625	0.021	0.449	0.522	<0.01
GSM 1900	/	0.628	/	0.407	0.475	/
UMTS B2	/	0.687	/	0.343	0.438	/
UMTS B4	/	0.852	/	0.331	0.496	/
UMTS B5	/	0.716	/	0.246	0.381	/
LTE B2	/	0.650	/	0.384	0.504	/
LTE B4	/	0.538	/	0.119	0.395	/
LTE B5	/	0.603	/	0.112	0.251	/
LTE B25	/	0.685	/	0.434	0.532	/
LTE B26	/	0.212	/	0.023	0.101	/
LTE B66	/	0.574	/	0.125	0.343	/
WIFI 2.4G	/	0.301	/	/	0.101	/
WIFI 5.2G	/	0.484	/	/	0.284	/
WIFI 5.8G	/	0.330	/	/	0.174	/
BT	/	0.091	/	/	0.059	/
MAX $\sum$ SAR _{10g}	/	1.336	0.021	0.449	0.817	<0.01

Note: Thus SAR_{MAX,total} = 1.336 W/Kg < 1.6 W/Kg, it is compliant with 1999/519/EC.

Simultaneous transmission SAR test exclusion is determined for each operating configuration and exposure condition according to the reported standalone SAR of each applicable simultaneous transmitting antenna.

When the sum of SAR 1g of all simultaneously transmitting antennas in an operating mode and exposure condition combination is within the SAR limit (SAR-1g 1.6 W/kg), the simultaneous transmission SAR is not required. When the sum of SAR 1g is greater than the SAR limit (SAR-1g 1.6 W/kg), SAR test exclusion is determined by the SPLSR.



13. Equipment List

Kind of Equipment	Manufacturer	Type No.	Serial No.	Last Calibration	Calibrated Until
750MHz Dipole	MVG	SID750	SN 30/14 DIP0G750-331	2023-07-04	2026-07-03
835MHz Dipole	MVG	SID835	SN 30/14 DIP0G835-332	2023-07-04	2026-07-03
900MHz Dipole	MVG	SID900	5023-DIP0G900-746	2023-12-20	2026-12-19
1800MHz Dipole	MVG	SID1800	5023-DIP1G800-747	2023-12-20	2026-12-19
1900MHz Dipole	MVG	SID1900	SN 30/14 DIP1G900-333	2023-09-14	2026-09-13
2000MHz Dipole	MVG	SID2000	SN 30/14 DIP2G000-334	2023-07-04	2026-07-03
2450MHz Dipole	MVG	SID2450	SN 30/14 DIP2G450-335	2023-07-04	2026-07-03
2600MHz Dipole	MVG	SID2600	SN 30/14 DIP2G600-336	2023-07-04	2026-07-03
3500MHz Dipole	MVG	SID3500	SN 08/21 DIP3G 500-553	2024-02-14	2027-02-13
3700MHz Dipole	MVG	SID3700	SN 08/21 DIP3G 700-554	2024-02-14	2027-02-13
Waveguide	MVG	SWG5500	SN 13/14 WGA32	2023-07-04	2026-07-03
Data Acquisition Electronics DAEx	SPEAG	DAE3	428	2025-09-08	2026-09-07
E-field Probe	SPEAG	EX3DV4	3806	2025-09-11	2025-09-10
Dielectric Probe Kit	MVG	SCLMP	SN 32/14 OCPG67	2025-09-15	2026-09-14
Antenna	MVG	ANTA3	SN 07/13 ZNTA52	N/A	N/A
Attenuator	Agilent	HXT-10-8-SMA	240327017	2025-02-22	2026-02-21
Directional coupler	Xi'an Xingbo	XBOH-OA08-20dB	211123-4-3	2025-02-22	2026-02-21
Network Analyzer	Agilent	E5071C	MY46520378	2025-09-26	2026-09-24
Multi Meter	Keithley	Multi Meter 2000	4050073	2025-09-22	2026-09-21
Signal Generator	Agilent	N5182A	MY50140530	2025-09-26	2026-09-25
Wireless Communication Test Set	Agilent	8960-E5515C	MY48360751	2025-02-22	2026-02-21
Wireless Communication Test Set	R&S	CMW500	156324	2025-09-25	2026-09-24
Power Amplifier	DESAY	WCS-DLNA50M8G50G1	CSKJLNA231227A	2025-09-29	2026-09-28
Power Meter	R&S	NRP	100510	2025-09-25	2026-09-24
Power Sensor	R&S	NRP-Z11	101919	2025-09-25	2026-09-24
Power Sensor	Keysight	U2021XA	MY56280002	2025-09-25	2026-09-24
Temperature hygrometer	TOPRIE	TP502V4-P	6700000124198	2025-10-09	2026-10-08
Thermograph	Elitech	RC-4	S/N EF7176501537	2025-10-17	2026-10-16

Appendix A. System Validation Plots

Test Laboratory: STS Lab

Date: 2025/12/3

System Check_835Mhz

DUT: Dipole 835 MHz D835V2;

Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 835$ MHz; $\sigma = 0.9$ S/m; $\epsilon_r = 43.538$; $\rho = 1000$ kg/m³

Ambient Temperature : 20.8 °C; Liquid Temperature : 20.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN3806; ConvF(8.2, 8.73, 8.98) @ 835 MHz; Calibrated: 2025/09/11
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE3 Sn428; Calibrated: 2025/09/08
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1266
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

Area Scan (6x14x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 3.01 W/kg

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

Reference Value = 61.09 V/m; Power Drift = 0.02 dB

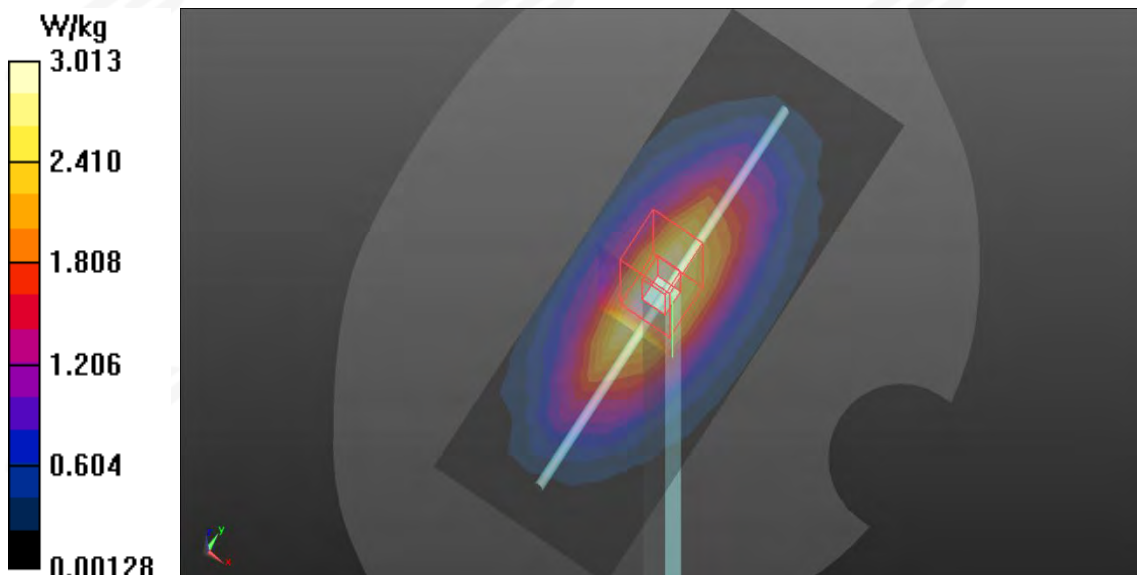
Peak SAR (extrapolated) = 3.90 W/kg

SAR(1 g) = 2.4 W/kg; SAR(10 g) = 1.55 W/kg

Smallest distance from peaks to all points 3 dB below = 16 mm

Ratio of SAR at M2 to SAR at M1 = 61%

Maximum value of SAR (measured) = 3.30 W/kg







Test Laboratory: STS Lab

Date: 2025/12/5

System Check_1800Mhz**DUT: Dipole 1800 MHz D1800V2;**

Communication System: UID 0, CW (0); Frequency: 1800 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1800$ MHz; $\sigma = 1.409$ S/m; $\epsilon_r = 40.817$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.5 °C; Liquid Temperature : 22.1 °C

DASY Configuration:

- Probe: EX3DV4 - SN3806; ConvF(7.06,7.52 ,7.74) @ 1800 MHz; Calibrated: 2025/09/11
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE3 Sn428; Calibrated: 2025/09/08
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1266
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

Area Scan (6x8x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 11.5 W/kg

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

Reference Value = 104.6 V/m; Power Drift = -0.09 dB

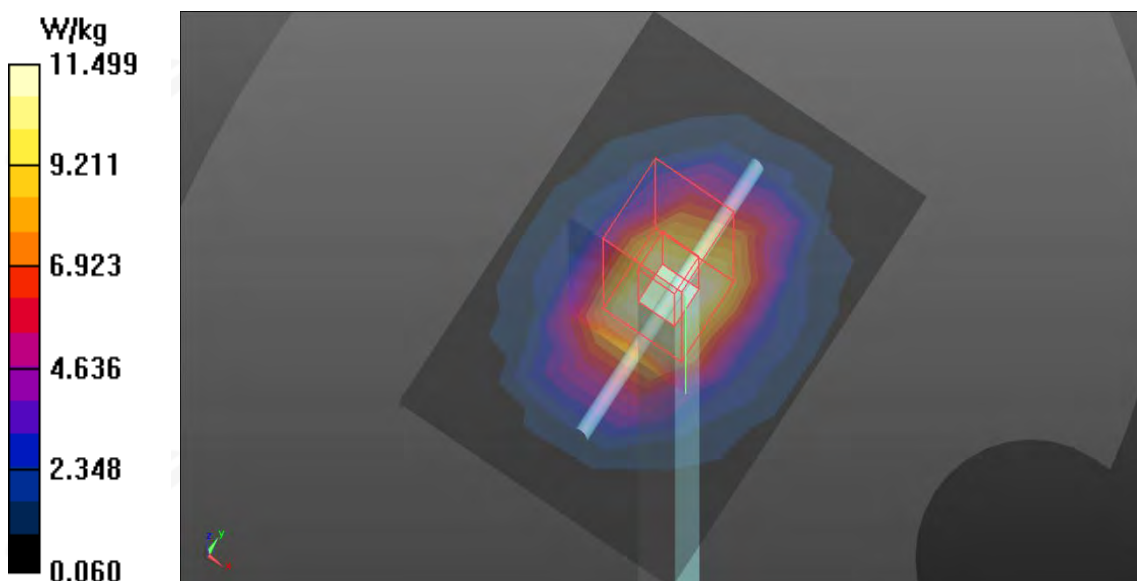
Peak SAR (extrapolated) = 17.4 W/kg

SAR(1 g) = 9.64 W/kg; SAR(10 g) = 5.36 W/kg

Smallest distance from peaks to all points 3 dB below = 12.8 mm

Ratio of SAR at M2 to SAR at M1 = 55.4%

Maximum value of SAR (measured) = 14.5 W/kg





Test Laboratory: STS Lab

Date: 2025/12/4

System Check_1900Mhz**DUT: Dipole 1900 MHz D1900V2;**

Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.452$ S/m; $\epsilon_r = 40.644$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C; Liquid Temperature : 23.1 °C

DASY Configuration:

- Probe: EX3DV4 - SN3806; ConvF(6.85,7.30,7.51) @ 1900 MHz; Calibrated: 2025/09/11
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0$, 31.0
- Electronics: DAE3 Sn428; Calibrated: 2025/09/08
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1266
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

Area Scan (6x8x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 11.3 W/kg

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

Reference Value = 105.4 V/m; Power Drift = 0.02 dB

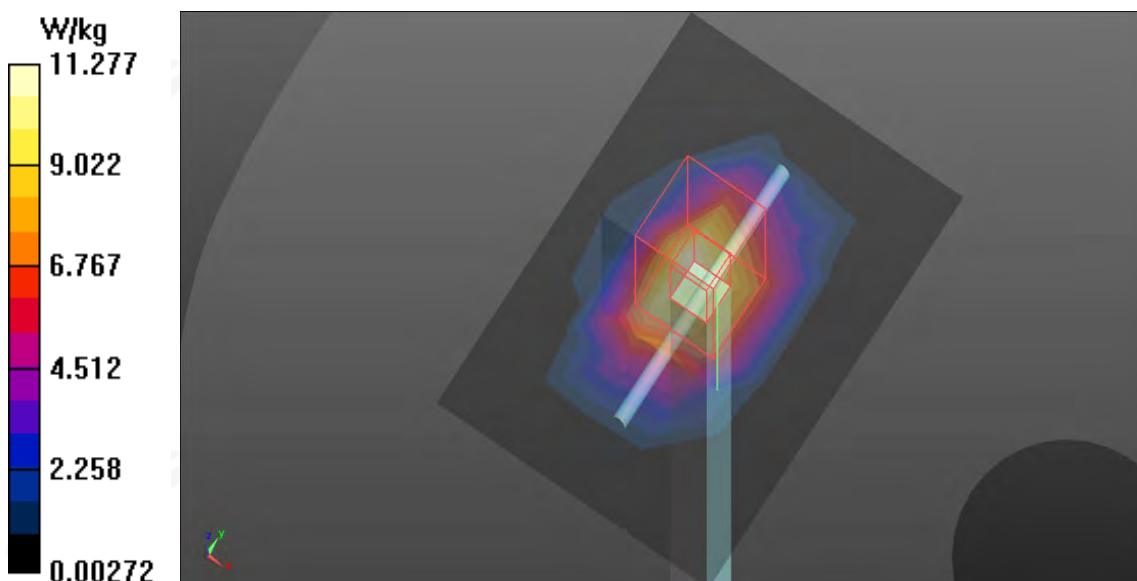
Peak SAR (extrapolated) = 18.8 W/kg

SAR(1 g) = 9.83 W/kg; SAR(10 g) = 5.1 W/kg

Smallest distance from peaks to all points 3 dB below = 9.6 mm

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

Maximum value of SAR (measured) = 15.6 W/kg





Test Laboratory: STS Lab

Date: 2025/12/6

System Check_2450Mhz**DUT: Dipole 2450 MHz D2450V2;**

Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2450$ MHz; $\sigma = 1.865$ S/m; $\epsilon_r = 39.325$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.9 °C

DASY Configuration:

- Probe: EX3DV4 - SN3806; ConvF(6.30,6.71,6.90) @ 2450 MHz; Calibrated: 2025/09/11
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE3 Sn428; Calibrated: 2025/09/08
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1266
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

Area Scan (6x7x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 16.8 W/kg

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

Reference Value = 110.0 V/m; Power Drift = 0.08 dB

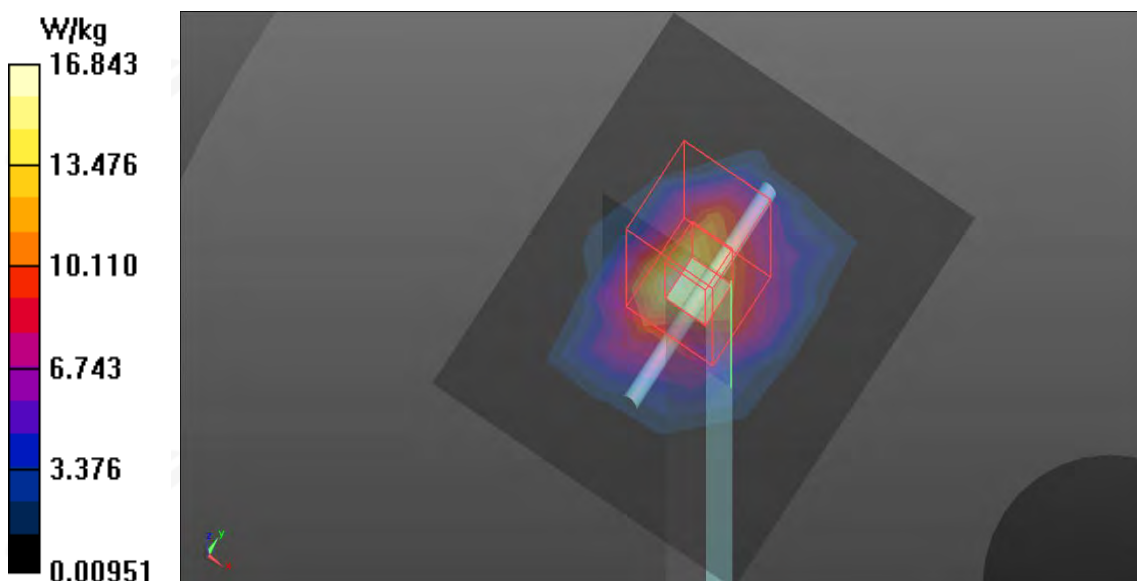
Peak SAR (extrapolated) = 27.0 W/kg

SAR(1 g) = 13.3 W/kg; SAR(10 g) = 6.21 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 49.5%

Maximum value of SAR (measured) = 21.6 W/kg





Test Laboratory: STS Lab

Date: 2025/12/6

System Check_5250Mhz**DUT: Dipole D5GHzV2;**

Communication System: UID 0, CW (0); Frequency: 5250 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 5250$ MHz; $\sigma = 4.512$ S/m; $\epsilon_r = 34.312$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.9 °C

DASY Configuration:

- Probe: EX3DV4 - SN3806; ConvF(4.96,5.28,5.44) @ 5250 MHz; Calibrated: 2025/09/11
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE3 Sn428; Calibrated: 2025/09/08
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1266
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

Area Scan (6x5x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 15.0 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 68.29 V/m; Power Drift = 0.14 dB

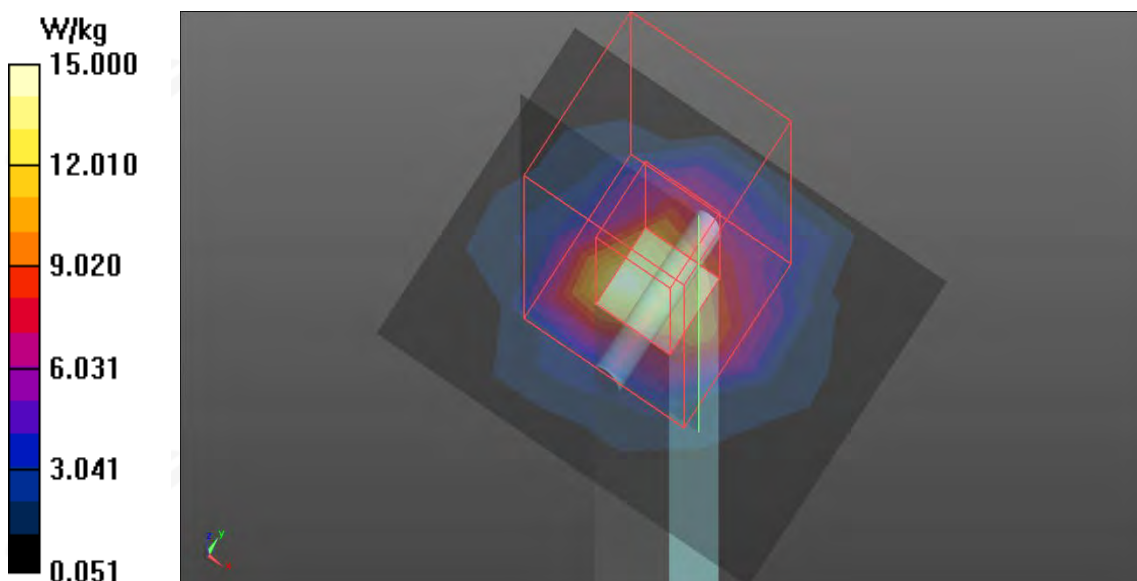
Peak SAR (extrapolated) = 30.2 W/kg

SAR(1 g) = 7.69 W/kg; SAR(10 g) = 2.16 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 55.3%

Maximum value of SAR (measured) = 19.2 W/kg





Test Laboratory: STS Lab

Date: 2025/12/6

System Check_5800Mhz**DUT: Dipole D5GHzV2;**

Communication System: UID 0, CW (0); Frequency: 5800 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5800 \text{ MHz}$; $\sigma = 5.354 \text{ S/m}$; $\epsilon_r = 33.853$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.9 °C

DASY Configuration:

- Probe: EX3DV4 - SN3806; ConvF(4.59,4.89,5.03) @ 5800 MHz; Calibrated: 2025/09/11
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE3 Sn428; Calibrated: 2025/09/08
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1266
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

Area Scan (6x5x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 14.6 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 67.14 V/m; Power Drift = 0.11 dB

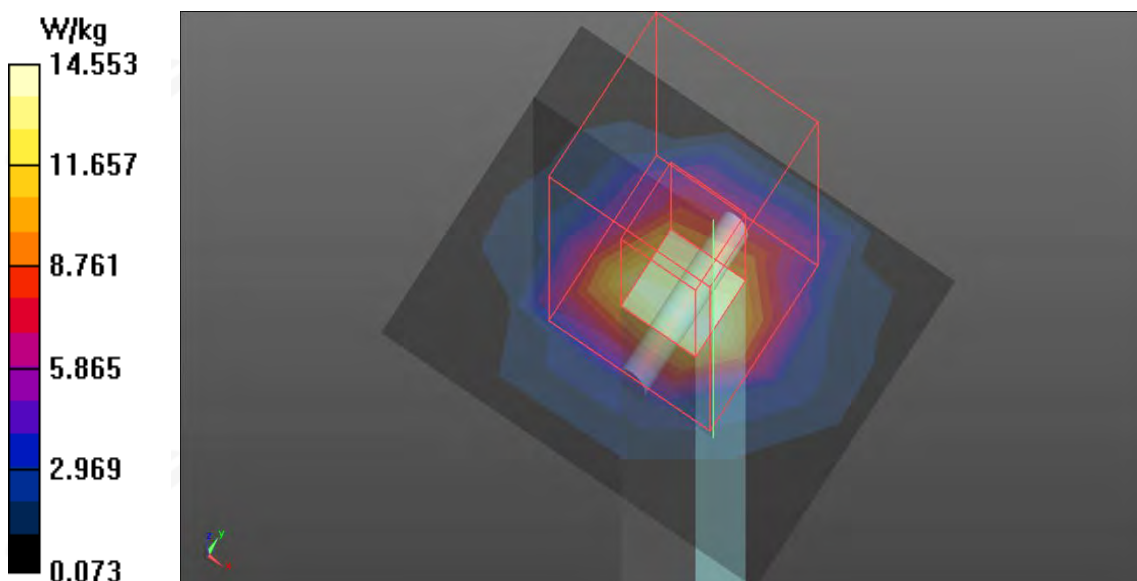
Peak SAR (extrapolated) = 35.5 W/kg

SAR(1 g) = 7.96 W/kg; SAR(10 g) = 2.2 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 51.1%

Maximum value of SAR (measured) = 21.0 W/kg



Appendix B. SAR Test Plots

Test Laboratory: STS Lab

Date: 2025/12/3

G06_GSM 850_GPRS2Tx_CH128 _Rear Face_0cm_Main_SIM 2
DUT: Tablet;

Communication System: UID 0, GPRS 2TX (0); Frequency: 824.2 MHz; Duty Cycle: 1:4

Medium parameters used (interpolated): $f = 824.2$ MHz; $\sigma = 0.896$ S/m; $\epsilon_r = 43.58$; $\rho = 1000$ kg/m³

Ambient Temperature: 20.8 °C; Liquid Temperature : 20.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN3806; ConvF(8.2, 8.73, 8.98) @ 824.2 MHz; Calibrated: 2025/09/11
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE3 Sn428; Calibrated: 2025/09/08
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1266
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

Area Scan (6x6x1): Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 6.710 V/m; Power Drift = -0.04 dB

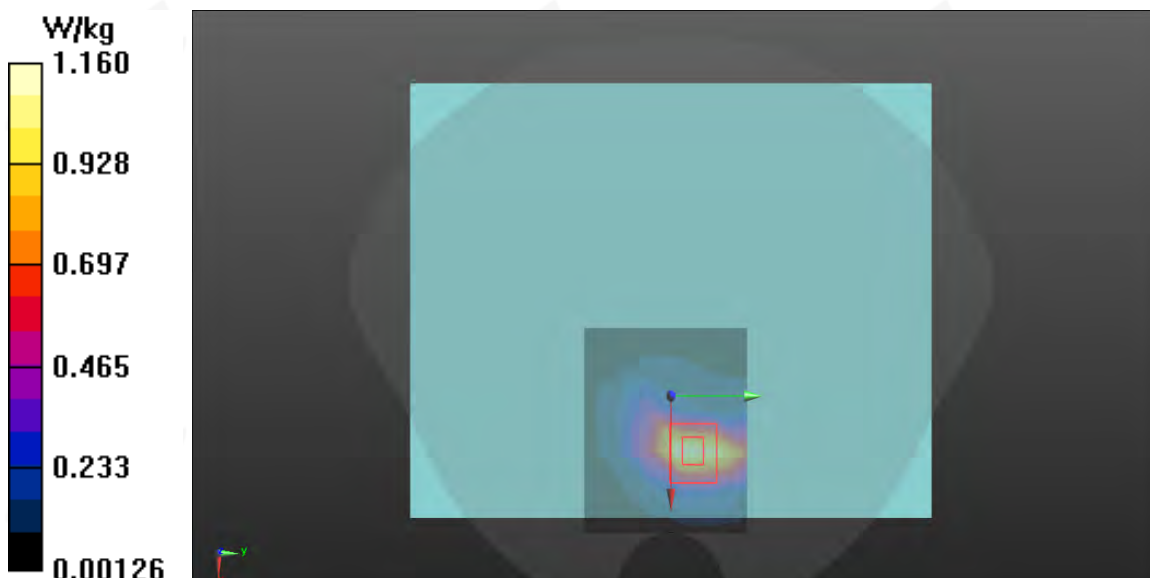
Peak SAR (extrapolated) = 1.07 W/kg

SAR(1 g) = 0.525 W/kg; SAR(10 g) = 0.274 W/kg

Smallest distance from peaks to all points 3 dB below = 9.6 mm

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

Maximum value of SAR (measured) = 0.851 W/kg





Test Laboratory: STS Lab

Date: 2025/12/5

G08_GSM 1900_GPRS2Tx_CH512 _Rear Face_0cm_Main**DUT: Tablet;**

Communication System: UID 0, GPRS 2TX (0); Frequency: 1850.2 MHz; Duty Cycle: 1:4

Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.422$ S/m; $\epsilon_r = 40.729$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.5 °C; Liquid Temperature : 22.1 °C

DASY Configuration:

- Probe: EX3DV4 - SN3806; ConvF(6.85,7.30,7.51) @ 1850.2 MHz; Calibrated: 2025/09/11
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE3 Sn428; Calibrated: 2025/09/08
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1266
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

Area Scan (6x6x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.774 W/kg

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

Reference Value = 3.855 V/m; Power Drift = 0.05 dB

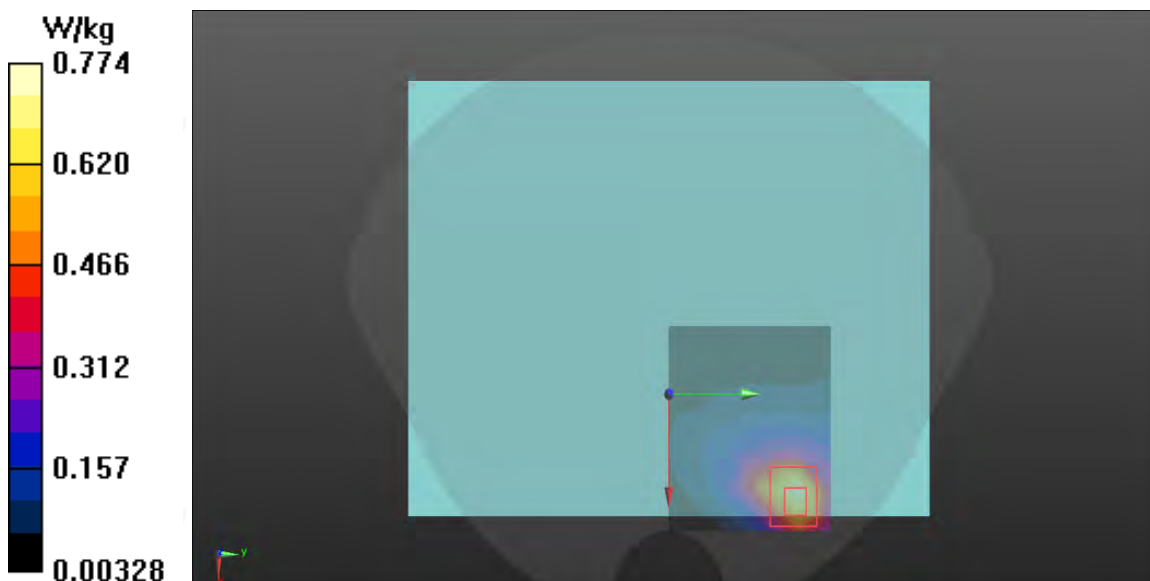
Peak SAR (extrapolated) = 1.20 W/kg

SAR(1 g) = 0.566 W/kg; SAR(10 g) = 0.280 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 48.7%

Maximum value of SAR (measured) = 0.904 W/kg





Test Laboratory: STS Lab

Date: 2025/12/4

U01_UMTS B2_RMC12.2K_CH9538 _Rear Face_0cm_Main**DUT: Tablet;**

Communication System: UID 10011 - CAB, UMTS-FDD (WCDMA); Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1907.6$ MHz; $\sigma = 1.46$ S/m; $\epsilon_r = 40.626$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.4 °C; Liquid Temperature : 23.1 °C

DASY Configuration:

- Probe: EX3DV4 - SN3806; ConvF(6.85,7.30,7.51) @ 1907.6 MHz; Calibrated: 2025/09/11
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE3 Sn428; Calibrated: 2025/09/08
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1266
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

Area Scan (6x6x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 1.65 W/kg

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

Reference Value = 7.081 V/m; Power Drift = -0.01 dB

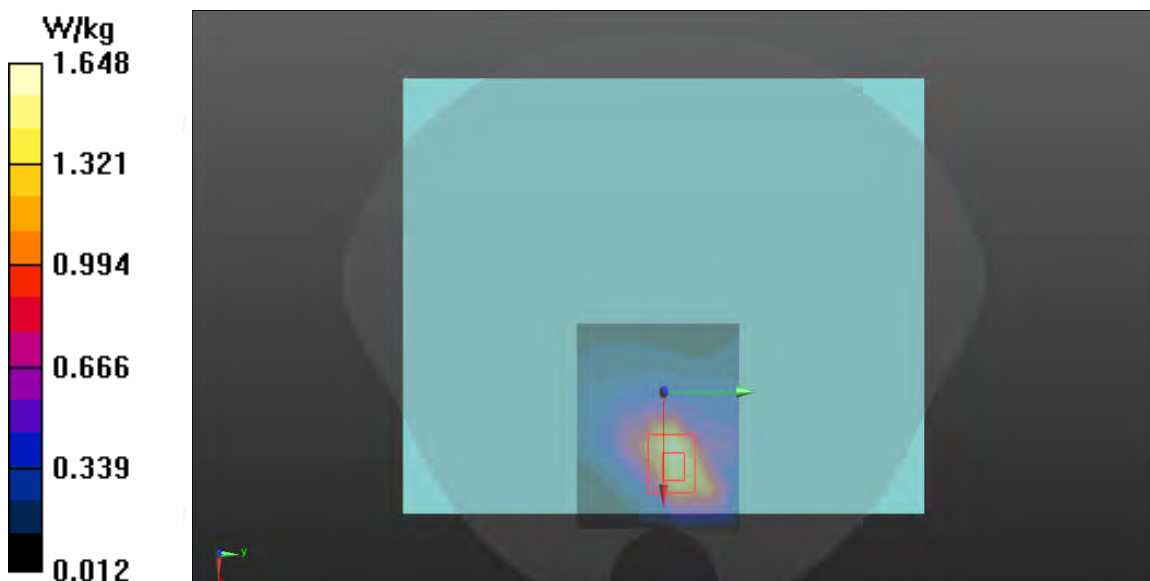
Peak SAR (extrapolated) = 1.24 W/kg

SAR(1 g) = 0.631 W/kg; SAR(10 g) = 0.333 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 50.7%

Maximum value of SAR (measured) = 1.00 W/kg





Test Laboratory: STS Lab

Date: 2025/12/5

U08_UMTS B4_RMC12.2K_CH1312 _Rear Face_0cm_Main**DUT: Tablet;**

Communication System: UID 10011 - CAB, UMTS-FDD (WCDMA); Frequency: 1712.4 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1712.4$ MHz; $\sigma = 1.355$ S/m; $\epsilon_r = 41.03$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.5 °C; Liquid Temperature : 22.1 °C

DASY Configuration:

- Probe: EX3DV4 - SN3806; ConvF(7.06,7.52,7.74) @ 1712.4 MHz; Calibrated: 2025/09/11
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE3 Sn428; Calibrated: 2025/09/08
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1266
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

Area Scan (6x6x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 1.00 W/kg

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

Reference Value = 4.496 V/m; Power Drift = 0.06 dB

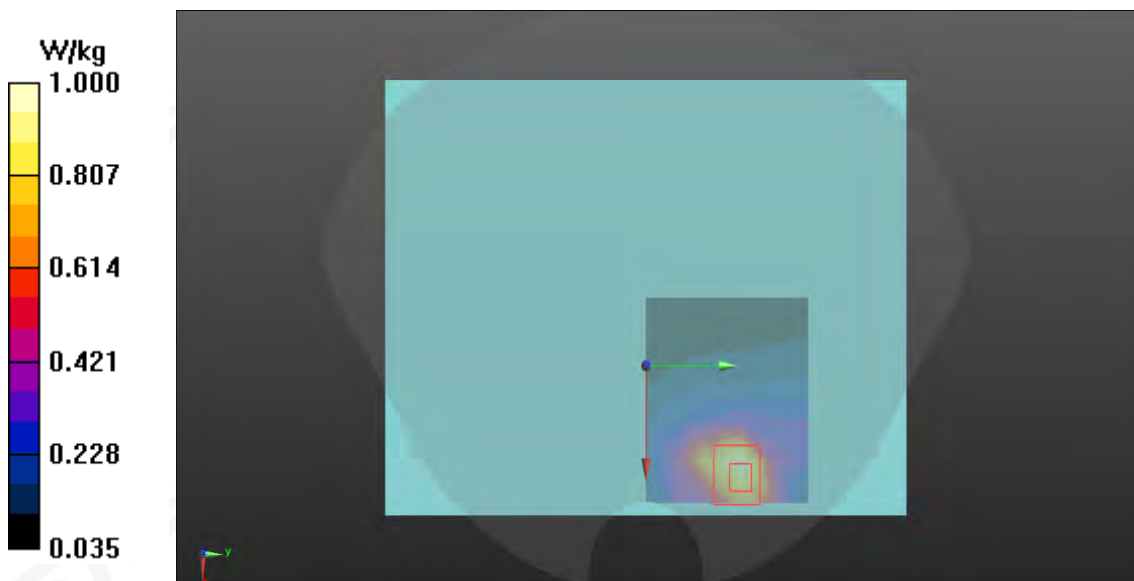
Peak SAR (extrapolated) = 1.51 W/kg

SAR(1 g) = 0.765 W/kg; SAR(10 g) = 0.400 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 51.5%

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





Test Laboratory: STS Lab

Date: 2025/12/3

U15_UMTS B5_RMC12.2K_CH4132_Rear Face_0cm_Main**DUT: Tablet;**

Communication System: UID 10011 - CAB, UMTS-FDD (WCDMA); Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 826.4$ MHz; $\sigma = 0.897$ S/m; $\epsilon_r = 43.57$; $\rho = 1000$ kg/m³

Ambient Temperature: 20.8 °C; Liquid Temperature : 20.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN3806; ConvF(8.20, 8.73, 8.98) @ 826.4 MHz; Calibrated: 2025/09/11
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE3 Sn428; Calibrated: 2025/09/08
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1266
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

Area Scan (6x6x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.653 W/kg

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

Reference Value = 5.379 V/m; Power Drift = 0.04 dB

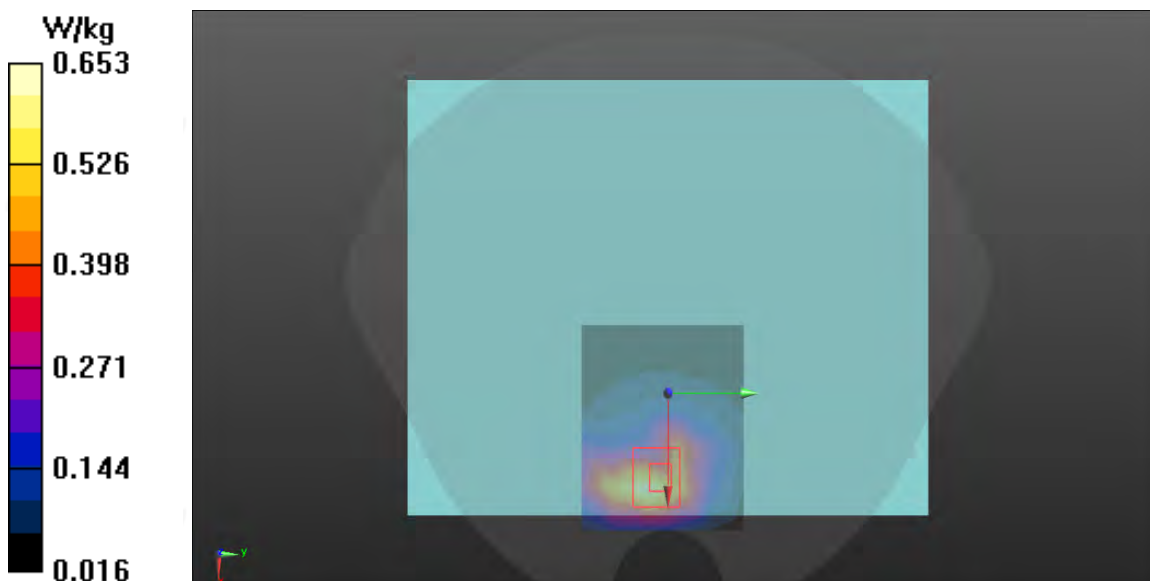
Peak SAR (extrapolated) = 1.44 W/kg

SAR(1 g) = 0.635 W/kg; SAR(10 g) = 0.329 W/kg

Smallest distance from peaks to all points 3 dB below = 9.7 mm

Ratio of SAR at M2 to SAR at M1 = 45.5%

Maximum value of SAR (measured) = 0.999 W/kg





Test Laboratory: STS Lab

Date: 2025/12/4

L01_LTE B2_QPSK20M_CH19100_1RB offset 99_Rear Face_0cm_Main**DUT: Tablet;**

Communication System: UID 10169 - CAE, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 1900 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.452$ S/m; $\epsilon_r = 40.644$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.4 °C; Liquid Temperature : 23.1 °C

DASY Configuration:

- Probe: EX3DV4 - SN3806; ConvF(6.85,7.30,7.51) @ 1900 MHz; Calibrated: 2025/09/11
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE3 Sn428; Calibrated: 2025/09/08
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1266
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

Area Scan (6x6x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

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

Reference Value = 9.130 V/m; Power Drift = -0.03 dB

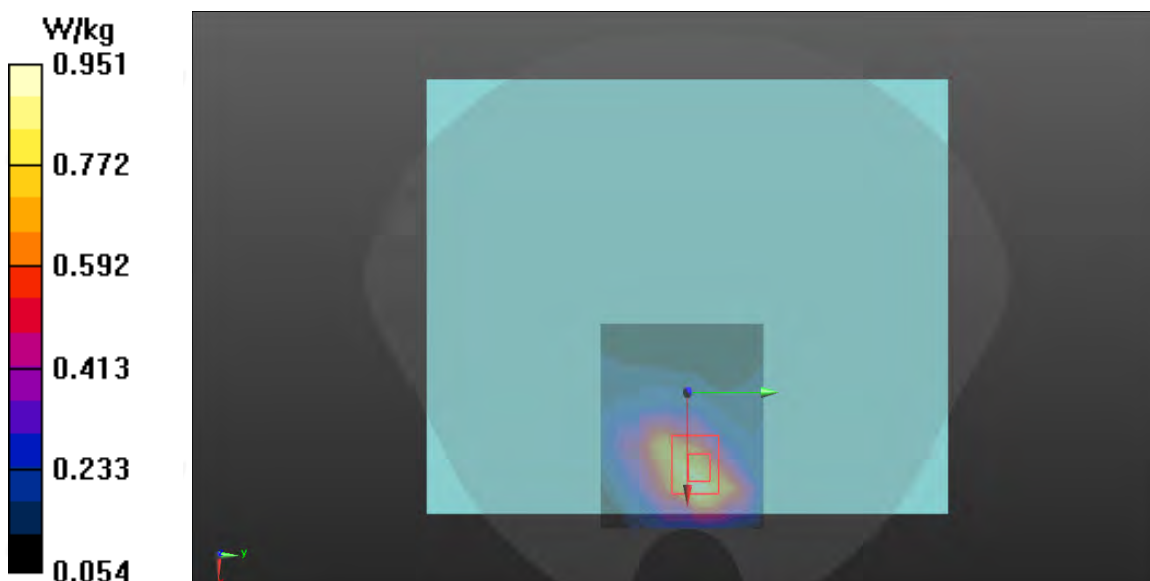
Peak SAR (extrapolated) = 1.21 W/kg

SAR(1 g) = 0.644 W/kg; SAR(10 g) = 0.349 W/kg

Smallest distance from peaks to all points 3 dB below = 12.2 mm

Ratio of SAR at M2 to SAR at M1 = 54.1%

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





Test Laboratory: STS Lab

Date: 2025/12/5

L11_LTE B4_QPSK20M_CH20050_1RB offset 0_Rear Face_0cm_Main**DUT: Tablet;**

Communication System: UID 10169 - CAE, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 1720 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1720$ MHz; $\sigma = 1.36$ S/m; $\epsilon_r = 41.011$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.5 °C; Liquid Temperature : 22.1 °C

DASY Configuration:

- Probe: EX3DV4 - SN3806; ConvF(7.06,7.52,7.74) @ 1720 MHz; Calibrated: 2025/09/11
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE3 Sn428; Calibrated: 2025/09/08
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1266
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

Area Scan (6x6x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.557 W/kg

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

Reference Value = 8.119 V/m; Power Drift = 0.02 dB

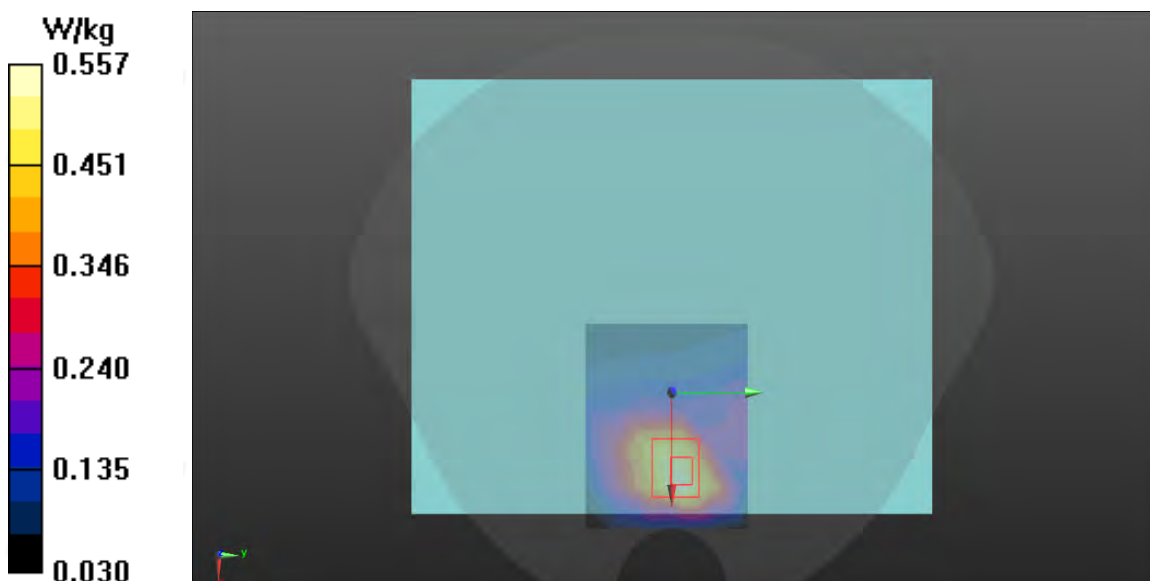
Peak SAR (extrapolated) = 0.990 W/kg

SAR(1 g) = 0.537 W/kg; SAR(10 g) = 0.299 W/kg

Smallest distance from peaks to all points 3 dB below = 11.2 mm

Ratio of SAR at M2 to SAR at M1 = 55.3%

Maximum value of SAR (measured) = 0.794 W/kg



**L27_LTE B5_QPSK10M_CH20450_1RB offset 49_Rear Face_0cm_Main_SIM 1****DUT: Tablet;**

Communication System: UID 10175 - CAG, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK); Frequency: 829 MHz;
Duty Cycle: 1:1

Medium parameters used: $f = 829$ MHz; $\sigma = 0.898$ S/m; $\epsilon_r = 43.558$; $\rho = 1000$ kg/m³

Ambient Temperature: 20.8 °C; Liquid Temperature : 20.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN3806; ConvF(8.20,8.73,8.98) @ 829 MHz; Calibrated: 2025/09/11
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE3 Sn428; Calibrated: 2025/09/08
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1266
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

Area Scan (6x6x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.700 W/kg

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

Reference Value = 5.747 V/m; Power Drift = -0.03 dB

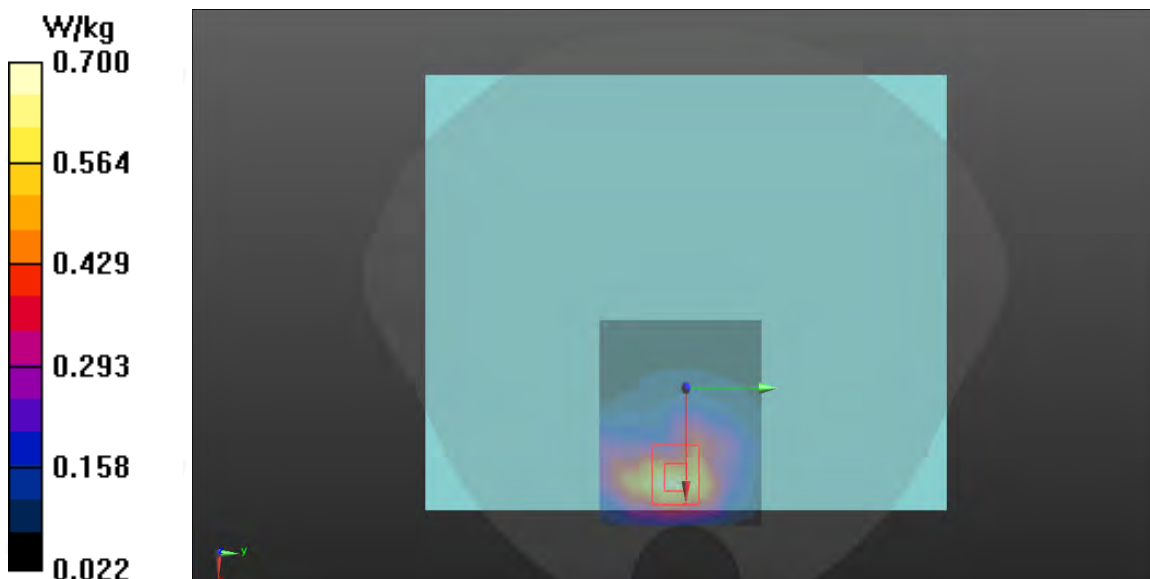
Peak SAR (extrapolated) = 0.863 W/kg

SAR(1 g) = 0.426 W/kg; SAR(10 g) = 0.229 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 49.3%

Maximum value of SAR (measured) = 0.672 W/kg





Test Laboratory: STS Lab

Date: 2025/12/4

L31_LTE B25_QPSK20M_CH26590_1RB offset 99_Rear Face_0cm_Main**DUT: Tablet;**

Communication System: UID 10169 - CAE, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 1905 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1905$ MHz; $\sigma = 1.458$ S/m; $\epsilon_r = 40.632$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.4 °C; Liquid Temperature : 23.1 °C

DASY Configuration:

- Probe: EX3DV4 - SN3806; ConvF(6.85,7.30,7.51) @ 1905 MHz; Calibrated: 2025/09/11
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE3 Sn428; Calibrated: 2025/09/08
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1266
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

Area Scan (6x6x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.699 W/kg

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

Reference Value = 8.244 V/m; Power Drift = -0.01 dB

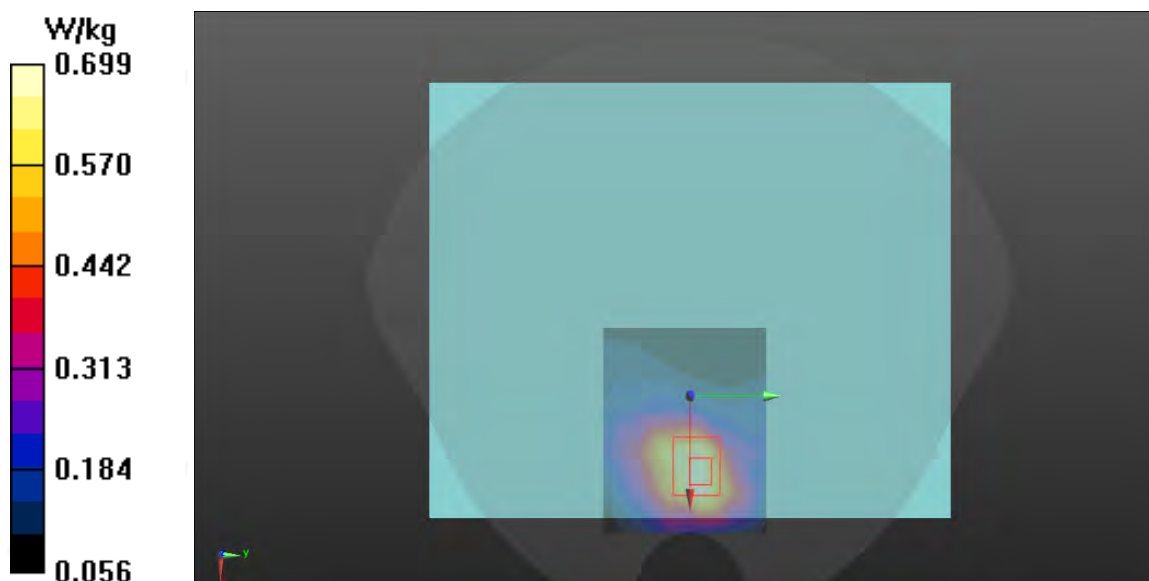
Peak SAR (extrapolated) = 1.21 W/kg

SAR(1 g) = 0.653 W/kg; SAR(10 g) = 0.356 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 53.6%

Maximum value of SAR (measured) = 0.984 W/kg





Test Laboratory: STS Lab

Date: 2025/12/3

L41_LTE B26_QPSK15M_CH26965_1RB offset 74_Rear Face_0cm_Main**DUT: Tablet;**

Communication System: UID 10181 - CAE, LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK); Frequency: 841.5 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 841.5$ MHz; $\sigma = 0.903$ S/m; $\epsilon_r = 43.501$; $\rho = 1000$ kg/m³

Ambient Temperature: 20.8 °C; Liquid Temperature : 20.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN3806; ConvF(8.20,8.73,8.98) @ 841.5 MHz; Calibrated: 2025/09/11
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE3 Sn428; Calibrated: 2025/09/08
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1266
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

Area Scan (6x6x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.197 W/kg

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

Reference Value = 5.253 V/m; Power Drift = 0.05 dB

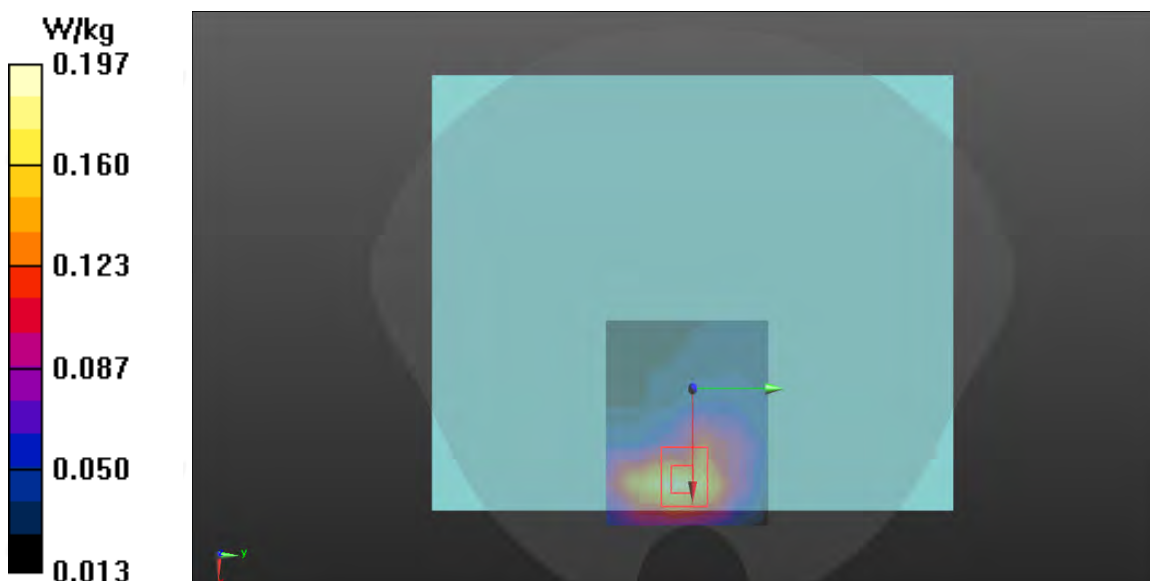
Peak SAR (extrapolated) = 0.381 W/kg

SAR(1 g) = 0.211 W/kg; SAR(10 g) = 0.120 W/kg

Smallest distance from peaks to all points 3 dB below = 0.4 mm

Ratio of SAR at M2 to SAR at M1 = 54.9%

Maximum value of SAR (measured) = 0.309 W/kg





Test Laboratory: STS Lab

Date: 2025/12/5

L51_LTE B66_QPSK20M_CH132322_1RB offset 99_Rear Face_0cm_Main_SIM 1**DUT: Tablet;**

Communication System: UID 10297 - AAD, LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK); Frequency: 1745 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1745$ MHz; $\sigma = 1.376$ S/m; $\epsilon_r = 40.949$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.5 °C; Liquid Temperature : 22.1 °C

DASY Configuration:

- Probe: EX3DV4 - SN3806; ConvF(7.06,7.52,7.74) @ 1745 MHz; Calibrated: 2025/09/11
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE3 Sn428; Calibrated: 2025/09/08
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1266
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

Area Scan (6x6x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.820 W/kg

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

Reference Value = 9.546 V/m; Power Drift = -0.03 dB

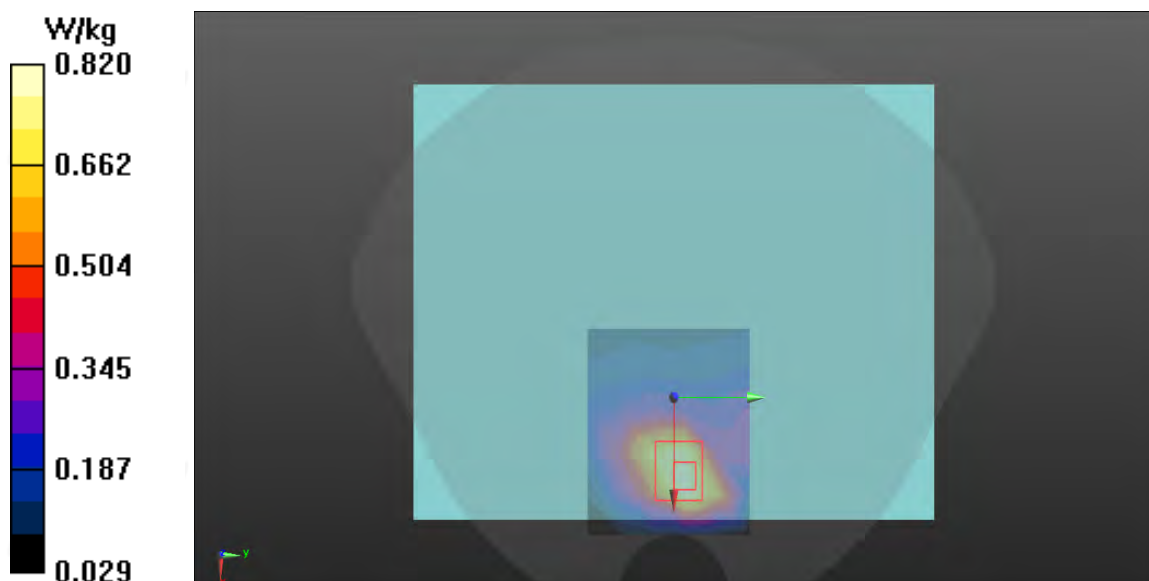
Peak SAR (extrapolated) = 1.04 W/kg

SAR(1 g) = 0.556 W/kg; SAR(10 g) = 0.304 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 53.6%

Maximum value of SAR (measured) = 0.843 W/kg





Test Laboratory: STS Lab

Date: 2025/12/6

W01_802.11n20_CH6_Rear Face_0cm_Ant_WIFI**DUT: Tablet;**

Communication System: UID 10591 - AAB, IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc duty cycle);

Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.86$ S/m; $\epsilon_r = 39.6$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.2 °C; Liquid Temperature : 22.9 °C

DASY Configuration:

- Probe: EX3DV4 - SN3806; ConvF(6.30,6.71,6.90) @ 2437 MHz; Calibrated: 2025/09/11
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE3 Sn428; Calibrated: 2025/09/08
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1266
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

Area Scan (6x6x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 0.128 W/kg

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

Reference Value = 1.141 V/m; Power Drift = 2.27 dB

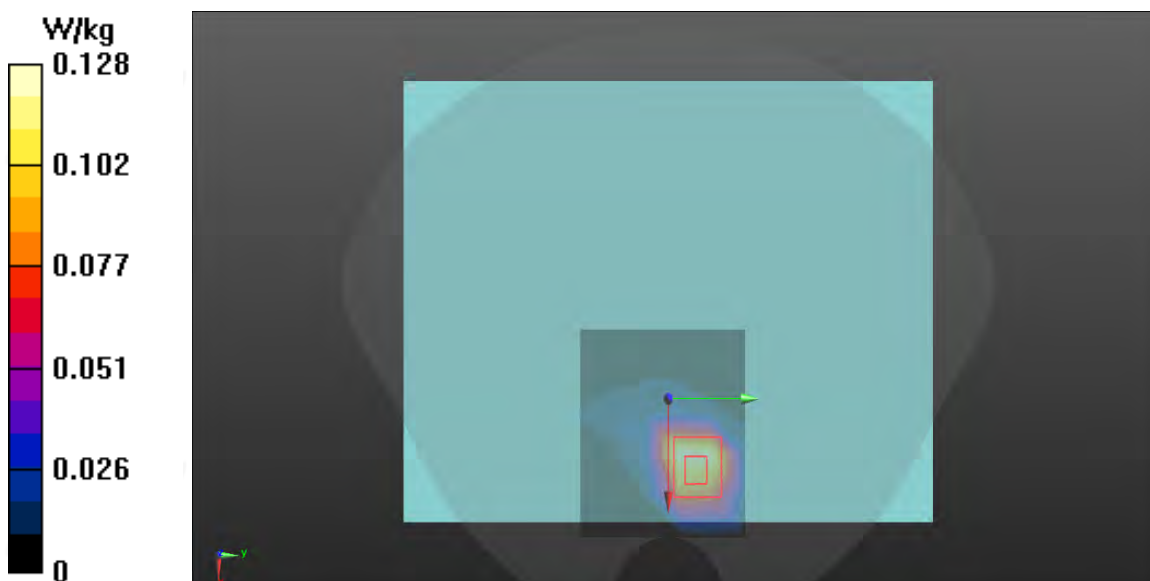
Peak SAR (extrapolated) = 0.643 W/kg

SAR(1 g) = 0.261 W/kg; SAR(10 g) = 0.102 W/kg

Smallest distance from peaks to all points 3 dB below = 6.4 mm

Ratio of SAR at M2 to SAR at M1 = 44.6%

Maximum value of SAR (measured) = 0.468 W/kg





Test Laboratory: STS Lab

Date: 2025/12/6

B01_BT_CH39_Rear Face_0cm**DUT: Tablet;**

Communication System: UID 10038 - CAA, IEEE 802.15.1 Bluetooth (8-DPSK, DH5); Frequency: 2441 MHz;
Duty Cycle: 1:1

Medium parameters used: $f = 2441$ MHz; $\sigma = 1.863$ S/m; $\epsilon_r = 39.591$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.2 °C; Liquid Temperature : 22.9 °C

DASY Configuration:

- Probe: EX3DV4 - SN3806; ConvF(6.30,6.71,6.90) @ 2441 MHz; Calibrated: 2025/09/11
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE3 Sn428; Calibrated: 2025/09/08
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1266
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

Area Scan (8x8x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 0.0433 W/kg

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

Reference Value = 0 V/m; Power Drift = 0.01 dB

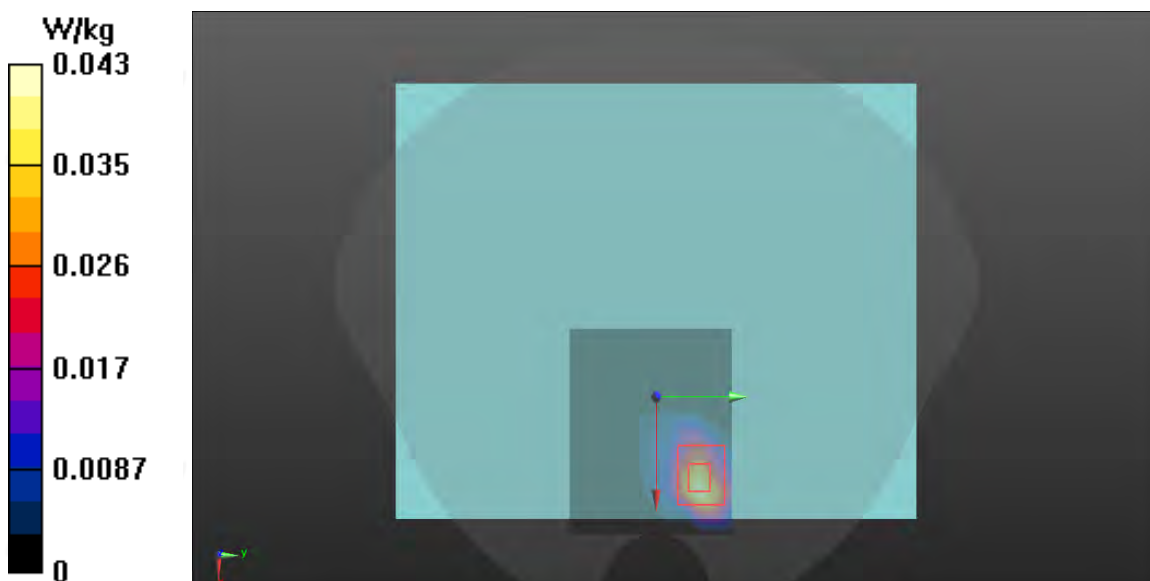
Peak SAR (extrapolated) = 0.119 W/kg

SAR(1 g) = 0.063 W/kg; SAR(10 g) = 0.019 W/kg

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 43.3%

Maximum value of SAR (measured) = 0.0854 W/kg





Test Laboratory: STS Lab

Date: 2025/12/6

W06_802.11n20_CH48_Rear Face_0cm_Ant_WIFI**DUT: Tablet;**

Communication System: UID 10591 - AAB, IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc duty cycle);

Frequency: 5240 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 5240$ MHz; $\sigma = 4.477$ S/m; $\epsilon_r = 34.331$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.2 °C; Liquid Temperature : 22.9 °C

DASY Configuration:

- Probe: EX3DV4 - SN3806; ConvF(4.96,5.28,5.44) @ 5240 MHz; Calibrated: 2025/09/11
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0$, 23.0
- Electronics: DAE3 Sn428; Calibrated: 2025/09/08
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1266
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

Area Scan (8x8x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.642 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.301 V/m; Power Drift = -0.09 dB

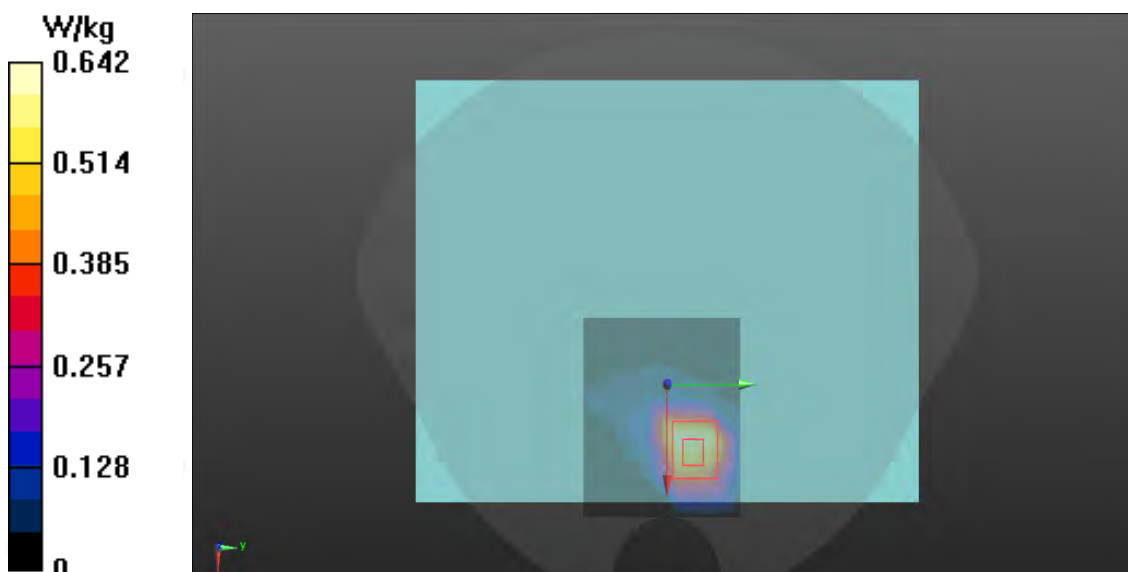
Peak SAR (extrapolated) = 1.57 W/kg

SAR(1 g) = 0.342 W/kg; SAR(10 g) = 0.094 W/kg

Smallest distance from peaks to all points 3 dB below = 6.6 mm

Ratio of SAR at M2 to SAR at M1 = 40.2%

Maximum value of SAR (measured) = 0.697 W/kg





Test Laboratory: STS Lab

Date: 2025/12/6

W11_802.11n80_CH155_Rear Face_0cm_Ant_WIFI**DUT: Tablet;**

Communication System: UID 10118 - CAC, IEEE 802.11n (HT Mixed, 80 Mbps, 16-QAM); Frequency: 5775 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5775$ MHz; $\sigma = 5.348$ S/m; $\epsilon_r = 33.887$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.2 °C; Liquid Temperature : 22.9 °C

DASY Configuration:

- Probe: EX3DV4 - SN3806; ConvF(4.59,4.89,5.03) @ 5775 MHz; Calibrated: 2025/09/11
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE3 Sn428; Calibrated: 2025/09/08
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1266
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

Area Scan (9x9x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 0.447 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 1.388 V/m; Power Drift = 0.04 dB

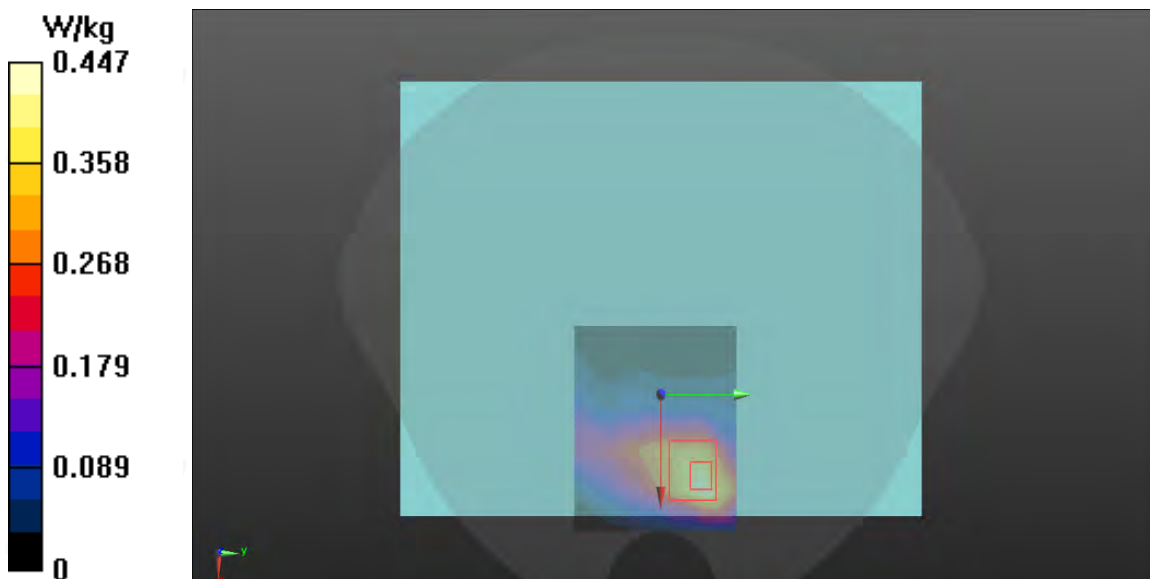
Peak SAR (extrapolated) = 0.931 W/kg

SAR(1 g) = 0.243 W/kg; SAR(10 g) = 0.084 W/kg

Smallest distance from peaks to all points 3 dB below = 9.1 mm

Ratio of SAR at M2 to SAR at M1 = 46.1%

Maximum value of SAR (measured) = 0.621 W/kg





Appendix C. Probe Calibration and Dipole Calibration Report

Refer the appendix Calibration Report.

※※※※END OF THE REPORT※※※※