

TEST REPORT

Applicant: INFINIX MOBILITY LIMITED
Address: FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL
CENTRE 19-25 SHAN MEI STREET FOTAN NT
HONGKONG
Equipment Type: Mobile Phone
Model Name: X6840
Brand Name: Infinix
FCC ID 2AIZN-YY5-X6840
Test Standard: FCC 47 CFR Part 2.1093
(refer section 3.1)
Maximum SAR: Head (1 g@0mm): 1.08 W/kg
Body-worn (1 g@10mm): 0.51 W/kg
Hotspot (1 g@10mm): 0.58 W/kg
Specific (10 g@ 0mm): 0.52 W/kg
Sample Arrival Date: Mar. 16, 2026
Test Date: Mar. 16, 2026
Date of Issue: Apr. 10, 2026

ISSUED BY:

Shanghai Tejet Communications Technology Co., Ltd. Testing Center



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Revision History

Version	Issue Date	Revisions Content
<u>Rev. 01</u>	<u>Apr. 10, 2026</u>	<u>Initial Issue</u>

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1 GENERAL INFORMATION

1.1 Test Laboratory

Name	Shanghai Tejet Communications Technology Co., Ltd. Testing Center
Address	1-2/F., Building 1, No.222, Xuanlan Road, Xuanqiao, Pudong New District, Shanghai, China

1.2 Test Location

Name	Shanghai Tejet Communications Technology Co., Ltd. Testing Center
Location	1-2/F., Building 1, No.222, Xuanlan Road, Xuanqiao, Pudong New District, Shanghai, China
Accreditation Certificate	The laboratory is a testing organization accredited by FCC as a accredited testing laboratory. The designation number is CN1352. The laboratory is a testing organization accredited by ISED as a accredited testing laboratory. The company number is 29671 and CAB identifier number is CN0142.

1.3 Test Environment Condition

Ambient Temperature	18°C to 25°C
Ambient Relative Humidity	30% to 70%

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	INFINIX MOBILITY LIMITED
Address	FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI STREET FOTAN NT HONGKONG

2.2 Manufacturer Information

Manufacturer	INFINIX MOBILITY LIMITED
Address	FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI STREET FOTAN NT HONGKONG

2.3 General Description for Equipment under Test (EUT)

EUT Name	Mobile Phone
Model Name Under Test	X6840
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	N/A
Software Version	N/A
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

2.4 Ancillary Equipment

Ancillary Equipment	Battery	
	Brand Name	Infinix
	Model No.	BL-51EX
	Serial No.	N/A
	Capacity	5100mAh
	Rated Voltage	3.85V
	Limit Charge Voltage	4.45V
	Manufacturer	Dongguan Veken Battery Co., Ltd.

Ancillary Equipment1	2 nd battery	
	Brand Name	Infinix
	Model No.	BL-51EX
	Serial No.	N/A
	Capacity	5100mAh
	Rated Voltage	3.85V
	Limit Charge Voltage	4.45V
	Manufacturer	Guangdong Fenghua New Energy Co.Ltd.

Ancillary Equipment2	3 rd battery	
	Brand Name	Infinix
	Model No.	BL-51EX
	Serial No.	N/A
	Capacity	5100mAh
	Rated Voltage	3.85V
	Limit Charge Voltage	4.45V
	Manufacturer	Dongguan Amperex Technology Limited

Note: 1.The EUT has three Batterys, The battery is the same as the one in the original report No. No.BL-SH25B1334-701 which is issued by Shanghai Tejet Communications Technology Co., Ltd. Testing Center on Jan. 04, 2026.; The 2nd battery, 3rd battery are the newly equipped battery of the EUT; They are same with electrical parameters, but only differ in Manufacturer;

2. Based on the information provided by the customer, Because of the different battery manufacturers, The 2nd battery, 3rd battery is based on the worst-case scenario of the original report test.

2.5 Technical Information

Network and Wireless connectivity	2G Network GSM/GPRS/EDGE 850/1900 MHz 3G Network WCDMA/HSDPA/HSUPA Band 2/4/5 4G Network LTE FDD Band 2/4/5/7/12/13/17/25/26/66 LTE TDD Band 38/41 Bluetooth (BR+EDR+BLE) 2.4G WIFI 802.11b, 802.11g, 802.11n HT20 5G WIFI 802.11a,802.11n(HT20/40), 802.11ac(VHT20/40/80) 5.8G SRD, GPS, GLONASS, BDS, Galileo, SBAS, FM receiver
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Note:

The EUT is a mobile phone, which supports dual SIM card under the same transceiver. Each SIM supports GSM, WCDMA and LTE, and both SIM share the same transmitting electro circuit, NV parameters, so only SIM1 was tested in this report.

The requirement for the following technical information of the EUT was tested in this report:

Operating Mode	GSM, WCDMA, LTE, WIFI, Bluetooth		
Frequency Range	GSM 850	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	GSM 1900	TX: 1850 ~ 1910 MHz	RX: 1930 ~ 1990 MHz
	WCDMA Band 2	TX: 1850 ~ 1910 MHz	RX: 1930 ~ 1990 MHz
	WCDMA Band 4	TX: 1710 ~ 1755 MHz	RX: 2110 ~ 2155 MHz
	WCDMA Band 5	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	LTE Band 2	TX: 1850 ~ 1910 MHz	RX: 1930 ~ 1990 MHz
	LTE Band 4	TX: 1710 ~ 1755 MHz	RX: 2110 ~ 2155 MHz
	LTE Band 5	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	LTE Band 7	TX: 2500 ~ 2570 MHz	RX: 2620 ~ 2690 MHz
	LTE Band 12	TX: 699 ~ 716 MHz	RX: 729 ~ 746 MHz
	LTE Band 13	TX: 777 ~ 787 MHz	RX: 746 ~ 756 MHz
	LTE Band 17	TX: 704 ~ 716 MHz	RX: 734 ~ 746 MHz
	LTE Band 25	TX: 1850 ~ 1915 MHz	RX: 1930 ~ 1995 MHz
	LTE Band 26	TX: 814 ~ 849 MHz	RX: 869 ~ 894MHz
	LTE Band 66	TX: 1710 ~ 1780 MHz	RX: 2110 ~ 2180 MHz
	LTE Band 38	TX: 2570 ~ 2620 MHz	RX: 2570 ~ 2620 MHz
	LTE Band 41	TX: 2496 ~ 2690 MHz	RX: 2496 ~ 2690 MHz
	2.4G WIFI	2412 ~ 2462 MHz	
	5G WIFI	5150 ~ 5250 MHz	
		5250 ~ 5350 MHz	
		5470 ~ 5725 MHz	
		5725 ~ 5850 MHz	
	Bluetooth	2402 ~ 2480 MHz	
Antenna Type	WWAN: PIFA Antenna WLAN: PIFA Antenna Bluetooth: PIFA Antenna		
DTM	N/A		
Hotspot Function	Support		

Power Reduction	Support	
Exposure Category	General Population/Uncontrolled exposure	
Product Type	Portable Device	
EUT Type	☒ Production unit	☐ Identical prototype

3 SUMMARY OF TEST RESULT

3.1 Test Standards

No.	Identity	Document Title
1	47 CFR Part 2.1093	Radiofrequency radiation exposure evaluation: portable devices
2	ANSI C95.1-1992	IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz
3	IEEE Std. 1528-2013	IEEE Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate(SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques
4	KDB 447498 D04 v01	447498 D04 Interim General RF Exposure Guidance v01
5	KDB 941225 D01 v03r01	3G SAR MEAUREMENT PROCEDURES
6	KDB 941225 D05 v02r05	SAR Evaluation Considerations for LTE Devices
7	KDB 941225 D05A v01r02	REL. 10 LTE SAR TEST GUIDANCE AND KDB INQUIRIES
7	KDB 941225 D06 v02r01	SAR EVALUATION PROCEDURES FOR PORTABLE DEVICES WITH WIRELESS ROUTER CAPABILITIES
8	KDB 865664 D01 v01r04	SAR Measurement 100 MHz to 6 GHz
9	KDB 865664 D02 v01r02	RF Exposure Reporting
10	KDB 648474 D04 v01r03	SAR EVALUATION CONSIDERATIONS FOR WIRELESS HANDSETS
11	KDB 248227 D01 v02r02	SAR GUIDANCE FOR IEEE 802.11 (Wi-Fi) TRANSMITTERS

3.2 Device Category and SAR Limit

This device belongs to portable device category because its radiating structure is allowed to be used within 20 centimeters of the body of the user.

Limit for General Population/Uncontrolled exposure should be applied for this device, it is 1.6 W/kg as averaged over any 1 gram of tissue.

Table of Exposure Limits:

Body Position	SAR Value (W/Kg)	
	General Population/ Uncontrolled Exposure	Occupational/ Controlled Exposure
Whole-Body SAR (averaged over the entire body)	0.08	0.4
Partial-Body SAR (averaged over any 1 gram of tissue)	1.60	8.0
SAR for hands, wrists, feet and ankles (averaged over any 10 grams of tissue)	4.0	20.0

NOTE:

General Population/Uncontrolled Exposure: Locations where there is the exposure of individuals who have no knowledge or control of their exposure. General population/uncontrolled exposure limits are applicable to situations in which the general public may be exposed or in which persons who are exposed as a consequence of their employment may not be made fully aware of the potential for exposure or cannot exercise control over their exposure. Members of the general public would come under this category when exposure is not employment-related; for example, in the case of a wireless transmitter that exposes persons in its vicinity.

Occupational/Controlled Exposure: Locations where there is exposure that may be incurred by persons who are aware of the potential for exposure. In general, occupational/controlled exposure limits are applicable to situations in which persons are exposed as a consequence of their employment, who have been made fully aware of the potential for exposure and can exercise control over their exposure. This exposure category is also applicable when the exposure is of a transient nature due to incidental passage through a location where the exposure levels may be higher than the general population/uncontrolled limits, but the exposed person is fully aware of the potential for exposure and can exercise control over his or her exposure by leaving the area or by some other appropriate means.

3.3 Test Result Summary

3.3.1 Highest SAR Values

Equipment Class	Frequency Band	Maximum Scaled SAR				Maximum Report SAR (W/kg)			
		1 g(W/kg)			10 g(W/kg)	1 g(W/kg)			10 g(W/kg)
		Head	Body-worn	Hotspot	Specific	Head	Body-worn	Hotspot	Specific
		Separation (0 mm)	Separation (10mm)	Separation (10 mm)	Separation (0 mm)	Separation (0 mm)	Separation (10mm)	Separation (10mm)	Separation (0 mm)
PCE	GSM 850	0.41	0.14	0.14	/	1.08	0.51	0.58	0.52
	GSM 1900	0.35	0.17	0.25	/				
	WCDMA B2	0.91	0.30	0.37	/				
	WCDMA B4	0.84	0.25	0.32	/				
	WCDMA B5	0.55	0.16	0.16	/				
	LTE B2	1.08	0.39	0.58	/				
	LTE B7	0.94	0.51	0.54	/				
	LTE B12	0.22	0.32	0.33	/				
	LTE B13	0.23	0.20	0.20	/				
	LTE B25	0.96	0.27	0.42	/				
	LTE B26	0.53	0.14	0.14	/				
	LTE B66	0.97	0.28	0.42	/				
	LTE B41	0.67	0.46	0.46	/				
DTS	2.4G WIFI	0.42	0.32	0.32	/				
NII	5.2G WIFI	0.61	0.16	0.17	/				
	5.3G WIFI	0.61	0.21	/	0.27				
	5.6G WIFI	0.56	0.19	/	0.52				
	5.8G WIFI	0.61	/	0.17	/				
DSS	Bluetooth	0.16	0.13	0.13	/				
Limits (W/kg)		1.6			4	1.6			4
Test Verdict		Pass							

Note: Compared with the EUT of the test report No.BL-SH25B1335-701 which is issued by Shanghai Tejet Communications Technology Co., Ltd. Testing Center on Jan. 07, 2026. The EUT of this report has changed as below:

1. Add 2nd battery and 3rd battery.
2. Disable TAS by software.

Other hardware circuit and software are the same as EUT referred in test report BL-SH25B1335-701. Therefore, Tested the worst-case scenario, Other test items are referenced report No. BL-SH25B1335-701 which is issued by Shanghai Tejet Communications Technology Co., Ltd. Testing Center on Jan. 07, 2026.

3.3.2 Highest Simultaneous Transmission SAR Values

Equipment Class	Maximum Scaled SAR(W/kg)			
	Head 1g (0mm)	Body-worn 1g (10mm)	Hotspot 1g (10mm)	Specific 10g (0mm)
PCE	1.38	0.86	0.83	/
Limit (W/kg)	1.60	1.60	1.60	4.00
Verdict	Pass			
Note: The highest simultaneous SAR please refer section 11				

3.4 Test Uncertainty

3.4.1 Measurement uncertainty evaluation for SAR test

The following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in IEC/IEEE 62209-1528. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$.

1) System Measurement Uncertainty (Frequency range from 300 MHz to 3 GHz)

DASY5 Uncertainty Budget (Frequency band: 300 MHz - 3 GHz range)								
Symbol	Error Description	Uncert. value	Prob Dist.	Div	(c) 1g	(c) 10g	Std. Unc. (1g)	Std. Unc. (10g)
Measurement System Errors								
CF	Probe Calibration	$\pm 12.0\%$	N	2	1	1	$\pm 6.0\%$	$\pm 6.0\%$
CF _{drift}	Probe Calibration Drift	$\pm 1.0\%$	N	1	1	1	$\pm 1.0\%$	$\pm 1.0\%$
LIN	Probe Linearity	$\pm 4.7\%$	R	$\sqrt{3}$	1	1	$\pm 2.7\%$	$\pm 2.7\%$
BBS	Broadband Signal	$\pm 3.0\%$	N	2	1	1	$\pm 1.5\%$	$\pm 1.5\%$
ISO	Probe Isotropy	$\pm 7.6\%$	R	$\sqrt{3}$	1	1	$\pm 4.4\%$	$\pm 4.4\%$
DAE	Data Acquisition	$\pm 0.3\%$	N	1	1	1	$\pm 0.3\%$	$\pm 0.3\%$
AMB	RF Ambient	$\pm 1.8\%$	N	1	1	1	$\pm 1.8\%$	$\pm 1.8\%$
Δ_{sys}	Probe Positioning	$\pm 0.2\%$	N	1	0.1 4	0.14	$\pm 0\%$	$\pm 0\%$
DAT	Data Processing	$\pm 1.2\%$	N	1	1	1	$\pm 1.2\%$	$\pm 1.2\%$
Phantom and Device Errors								
LIQ(σ)	Conductivity (meas.) ^{DAK}	$\pm 2.5\%$	N	1	0.7 8	0.71	$\pm 2.0\%$	$\pm 1.8\%$
LIQ(T_{σ})	Conductivity (temp.) ^{BB}	$\pm 3.3\%$	R	$\sqrt{3}$	0.7 8	0.71	$\pm 1.5\%$	$\pm 1.4\%$
EPS	Phantom Permittivity	$\pm 14.0\%$	R	$\sqrt{3}$	0	0	$\pm 0\%$	$\pm 0\%$
DAS	Distance DUT - TSL	$\pm 2.1\%$	N	1	2	2	$\pm 4.2\%$	$\pm 4.2\%$
H	Device Holder	$\pm 3.8\%$	N	1	1	1	$\pm 3.8\%$	$\pm 3.8\%$
MOD	DUT Modulation ^m	$\pm 2.4\%$	R	$\sqrt{3}$	1	1	$\pm 1.4\%$	$\pm 1.4\%$
TAS	Time-average SAR	$\pm 2.6\%$	R	$\sqrt{3}$	1	1	$\pm 1.5\%$	$\pm 1.5\%$
RF _{drift}	DUT drift	$\pm 5.0\%$	R	$\sqrt{3}$	1	1	$\pm 2.9\%$	$\pm 2.9\%$
Correction to the SAR results								
C(ϵ , σ)	Deviation to Target	$\pm 1.9\%$	N	1	1	0.84	$\pm 1.9\%$	$\pm 1.6\%$
C(R)	SAR scaling ^p	$\pm 0\%$	R	$\sqrt{3}$	1	1	$\pm 0\%$	$\pm 0\%$
u(Δ SAR)	Combined Uncertainty	/	/	/	/	/	$\pm 11.2\%$	$\pm 11.0\%$
U	Expanded Uncertainty	/	/	/	/	/	$\pm 22.3\%$	$\pm 22.2\%$

2) System Measurement Uncertainty (Frequency range from 3 GHz to 6 GHz)

DASY5 Uncertainty Budget (Frequency band: 3 GHz - 6 GHz range)								
Symbol	Error Description	Uncert. value	Prob. Dist.	Div	(ci) 1g	(ci) 10g	Std. Unc. (1g)	Std. Unc. (10g)
Measurement System Errors								
CF	Probe Calibration	±14.0%	N	2	1	1	±7.0%	±7.0%
CF _{drift}	Probe Calibration Drift	±1.0%	N	1	1	1	±1.0%	±1.0%
LIN	Probe Linearity	±4.7%	R	√3	1	1	±2.7%	±2.7%
BBS	Broadband Signal	±3.0%	N	2	1	1	±1.5%	±1.5%
ISO	Probe Isotropy	±7.6%	R	√3	1	1	±4.4%	±4.4%
DAE	Data Acquisition	±0.3%	N	1	1	1	±0.3%	±0.3%
AMB	RF Ambient	±1.8%	N	1	1	1	±1.8%	±1.8%
Δ _{sys}	Probe Positioning	±0.2%	N	1	0.3 3	0.33	±0.1%	±0.1%
DAT	Data Processing	±2.3%	N	1	1	1	±2.3%	±2.3%
Phantom and Device Errors								
LIQ(σ)	Conductivity (meas.) ^{DAK}	±2.5%	N	1	0.7 8	0.71	±2.0%	±1.8%
LIQ(T _σ)	Conductivity (temp.) ^{BB}	±3.4%	R	√3	0.7 8	0.71	±1.5%	±1.4%
EPS	Phantom Permittivity	±14.0%	R	√3	0.2 5	0.25	±2.0%	±2.0%
DAS	Distance DUT - TSL	±2.1%	N	1	2	2	±4.2%	±4.2%
H	Device Holder	±3.8%	N	1	1	1	±3.8%	±3.8%
MOD	DUT Modulation ^m	±2.4%	R	√3	1	1	±1.4%	±1.4%
TAS	Time-average SAR	±2.6%	R	√3	1	1	±1.5%	±1.5%
RF _{drift}	DUT drift	±5.0%	R	√3	1	1	±2.9%	±2.9%
Correction to the SAR results								
C(ε, σ)	Deviation to Target	±1.9%	N	1	1	0.84	±1.9%	±1.6%
C(R)	SAR scaling ^p	±0%	R	√3	1	1	±0%	±0%
u(ΔSAR)	Combined Uncertainty	/	/	/	/	/	±12.1%	±12.0%
U	Expanded Uncertainty	/	/	/	/	/	±24.2%	±24.0%

3.4.2 Measurement uncertainty evaluation for system check

This measurement uncertainty budget is suggested by IEC/IEEE 62209-1528. The breakdown of the individual uncertainties is as follows:

DASY5 Uncertainty Budget (Frequency band: 300 MHz - 6 GHz range)								
Symbol	Error Description	Uncert. value	Prob. Dist.	Div.	(c _i) 1g	(c _i) 10g	Std. Unc. (1g)	Std. Unc. (10g)
Measurement System Errors								
CF	Probe Calibration	±14.0%	N	2	1	1	±7.0%	±7.0%
CF _{drift}	Probe Calibration Drift	±1.0%	N	1	1	1	±1.0%	±1.0%
LIN	Probe Linearity	±4.7%	R	√3	1	1	±2.7%	±2.7%
BBS	Broadband Signal	±0.0%	N	2	1	1	±0.0%	±0.0%
ISO	Probe Isotropy	±7.6%	R	√3	1	1	±4.4%	±4.4%
DAE	Data Acquisition	±0.3%	N	1	1	1	±0.3%	±0.3%
AMB	RF Ambient	±1.8%	N	1	1	1	±1.8%	±1.8%
Δ _{sys}	Probe Positioning	±0.2%	N	1	0.33	0.33	±0%	±0%
Phantom and Device Errors								
LIQ(σ)	Conductivity (meas.) ^{DAK}	±2.5%	N	1	0.78	0.71	±2.0%	±1.8%
LIQ(T _σ)	Conductivity (temp.) ^{BB}	±3.4%	R	√3	0.78	0.71	±1.5%	±1.4%
EPS	Phantom Permittivity	±14.0%	R	√3	0.25	0.25	±2.0%	±2.0%
DAS	Distance DUT - TSL	±1.0%	N	1	2	2	±2.0%	±2.0%
VAL	Validation antenna	±0.0%	R	√3	1	1	±0.0%	±0.0%
P _{in}	Accepted power	±1.2%	N	1	1	1	±1.2%	±1.2%
RF _{drift}	DUT drift	±5.0%	R	√3	1	1	±2.9%	±2.9%
Correction to the SAR results								
C(ε, σ)	Deviation to Target	±1.9%	N	1	1	0.84	±1.9%	±1.6%
u(ΔSAR)	Combined Uncertainty						±10.4%	±10.3%
U	Expanded Uncertainty						±20.7%	±20.5%

4 MEASUREMENT SYSTEM

4.1 Specific Absorption Rate (SAR) Definition

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:

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

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

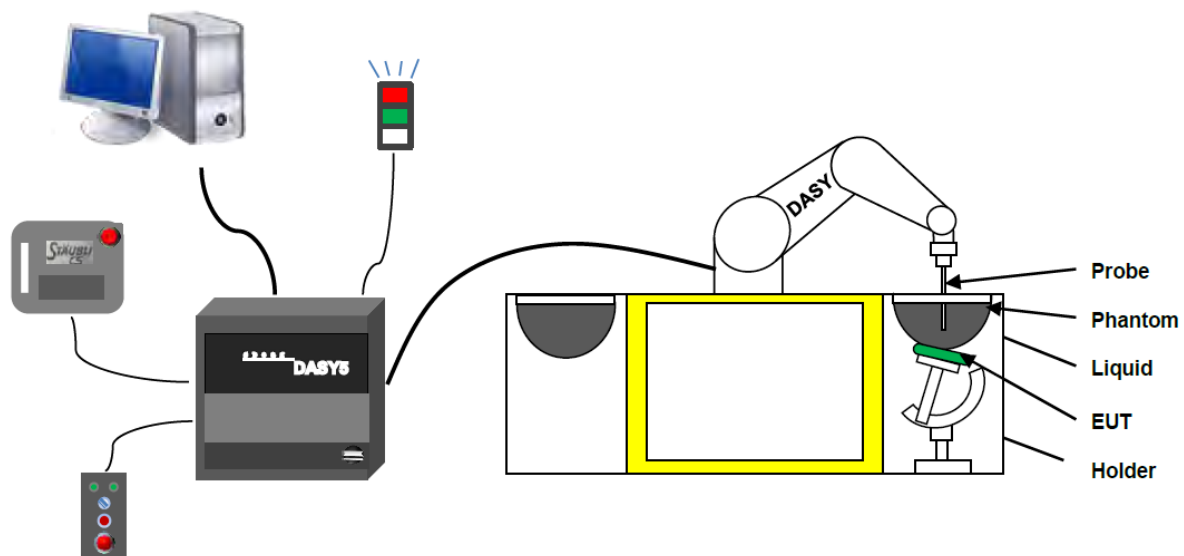
$$\text{SAR} = \frac{\sigma E^2}{\rho}$$

Where: σ is the conductivity of the tissue,

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

4.2 DASY SAR System

4.2.1 DASY SAR System Diagram

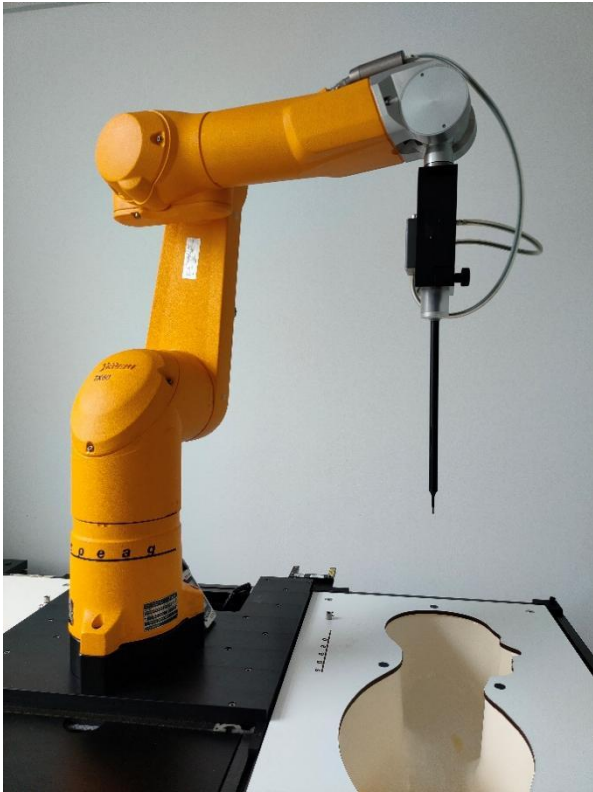


The DASY5 system for performing compliance tests consists of the following items:

1. A standard high precision 6-axis robot (Stäubli RX family) with controller and software. An arm extension for accommodating the data acquisition electronics (DAE).
2. A dosimetric probe, i.e. an isotropic E-field probe optimized and calibrated for usage in tissue simulating liquid. The probe is equipped with an optical surface detector system.
3. A data acquisition 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.
4. A unit to operate the optical surface detector which is connected to the EOC.
5. 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.
6. The DASY5 measurement server, which performs all real-time data evaluation for field measurements and surface detection, controls robot movements and handles safety operation.
7. DASY5 software and SEMCAD data evaluation software.
8. Remote control with teach panel and additional circuitry for robot safety such as warning lamps, etc.
9. The generic twin phantom enabling the testing of left-hand and right-hand usage.
10. The device holder for handheld mobile phones.
11. Tissue simulating liquid mixed according to the given recipes.
12. System validation dipoles allowing to validate the proper functioning of the system.

4.2.2 Robot

The Dasy SAR system uses the high precision robots. Symmetrical design with triangular core Built-in optical fiber for surface detection system For the 6-axis controller system, Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents). The robot series have many features that are important for our application:



- High precision
(repeatability ± 0.02 mm)
- High reliability
(industrial design)
- Low maintenance costs
(virtually maintenance free due to direct drive gears; no belt drives)
- Jerk-free straight movements
(brush less synchron motors; no stepper motors)
- Low ELF interference
(motor control _elds shielded via the closed metallic construction shields)

4.2.3 E-Field Probe

The probe is specially designed and calibrated for use in liquids with high permittivities for the measurements the Specific Dosimetric E-Field Probe EX3DV4 with following specifications is used.

Construction	Symmetrical design with triangular core Built-in optical fiber for surface detection system Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., glycolether)
Calibration	ISO/IEC 17025 calibration service available
Frequency	4 MHz to 10 GHz; Linearity: ± 0.2 dB
Directivity	± 0.2 dB in HSL (rotation around probe axis) ; ± 0.4 dB in HSL (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: 9 mm) Tip diameter: 2.5 mm (Body: 10 mm) Distance from probe tip to dipole centers: 1.0 mm
Application	General dosimetry up to 3 GHz Compliance tests of mobile phones Fast automatic scanning in arbitrary phantoms (EX3DV4)



E-Field Probe Calibration Process

Probe calibration is realized, in compliance with IEC/IEEE 62209-1528 and IEEE 1528 std, with CALISAR, Antennessa proprietary calibration system. The calibration is performed with the IEC/IEEE 62209-1528 annexe technique using reference guide at the five frequencies.

4.2.4 Data Acquisition Electronics

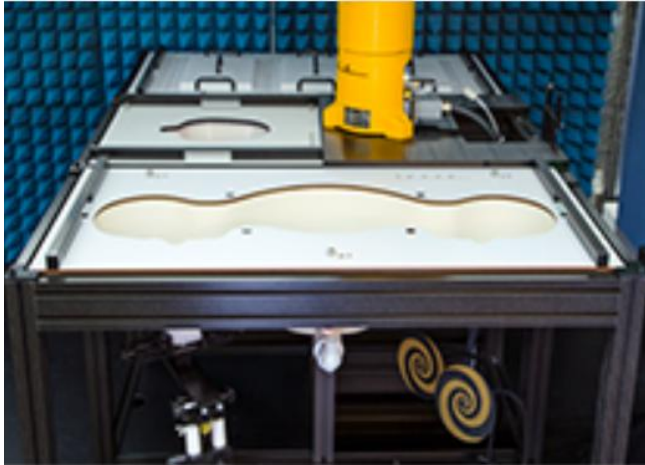
The data acquisition electronics (DAE) consist of a highly sensitive electrometer-grade preamplifier with auto-zeroing, a channel and gain-switching multiplexer, a fast 16 bit AD-converter and a command decoder with a control logic unit. Transmission to the measurement server is accomplished through an optical downlink for data and status information, as well as an optical uplink for commands and the clock.



- Input Impedance: 200M Ω
- The Inputs: Symmetrical and Floating
- Common Mode Rejection: Above 80dB

4.2.5 Phantoms

For the measurements the Specific Anthropomorphic Mannequin (SAM) defined by the IEEE SCC-34/SC2 group is used. The phantom is a polyurethane shell integrated in a wooden table. The thickness of the phantom amounts to 2mm +/- 0.2mm. It enables the dosimetric evaluation of left and right phone usage and includes an additional flat phantom part for the simplified performance check. The phantom set-up includes a cover, which prevents the evaporation of the liquid.



- Left head
- Right head
- Flat phantom

Photo of Phantom SN1857



Serial Number	Material	Length	Height
SN 1857 SAM1	Vinylester, glass fiber reinforced	1000	500

4.2.6 Device Holder

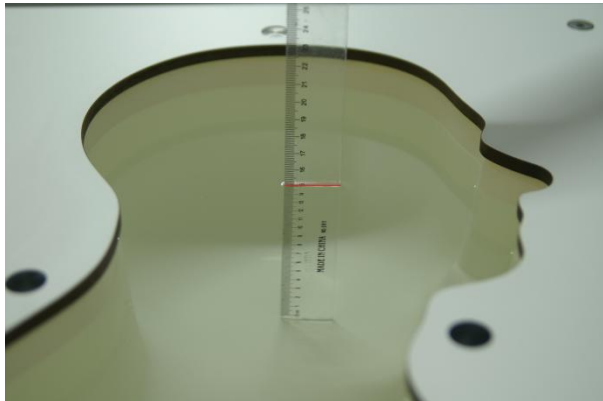
The DASY5 device holder has two scales for device rotation (with respect to the body axis) and the device inclination (with respect to the line between the ear openings). The plane between the ear openings and the mouth tip has a rotation angle of 65° . The bottom plate contains three pair of bolts for locking the device holder. The device holder positions are adjusted to the standard measurement positions in the three sections. This device holder is used for standard mobile phones or PDA's only. If necessary an additional support of polystyrene material is used. Larger DUT's (e.g. notebooks) cannot be tested using this device holder. Instead a support of bigger polystyrene cubes and thin polystyrene plates is used to position the DUT in all relevant positions to find and measure spots with maximum SAR values. Therefore those devices are normally only tested at the flat part of the SAM.



The positioning system allows obtaining cheek and tilting position with a very good accuracy. Incompliance with CENELEC, the tilt angle uncertainty is lower than 1° .

4.2.7 Simulating Liquid

For SAR measurement of the field distribution inside the phantom, the phantom must be filled with homogeneous tissue simulating liquid to a depth of at least 15 cm. For head SAR testing, the liquid height from the ear reference point (ERP) of the phantom to the liquid top surface is larger than 15 cm. For body SAR testing, the liquid height from the center of the flat phantom to the liquid top surface is larger than 15 cm. The nominal dielectric values of the tissue simulating liquids in the phantom and the tolerance of 5%.

Head Liquid Depth**Body Liquid Depth**

The following table gives the recipes for tissue simulating liquid.

TSL	Manufacturer / Model	Freq Range (MHz)	Main Ingredients
Head WideBand	SPEAG HBBL600-10000V6	600-10000	Ethanediol, Sodium petroleum sulfonate, Hexylene Glycol / 2-Methyl-pentane-2.4-diol, Alkoxylated alcohol

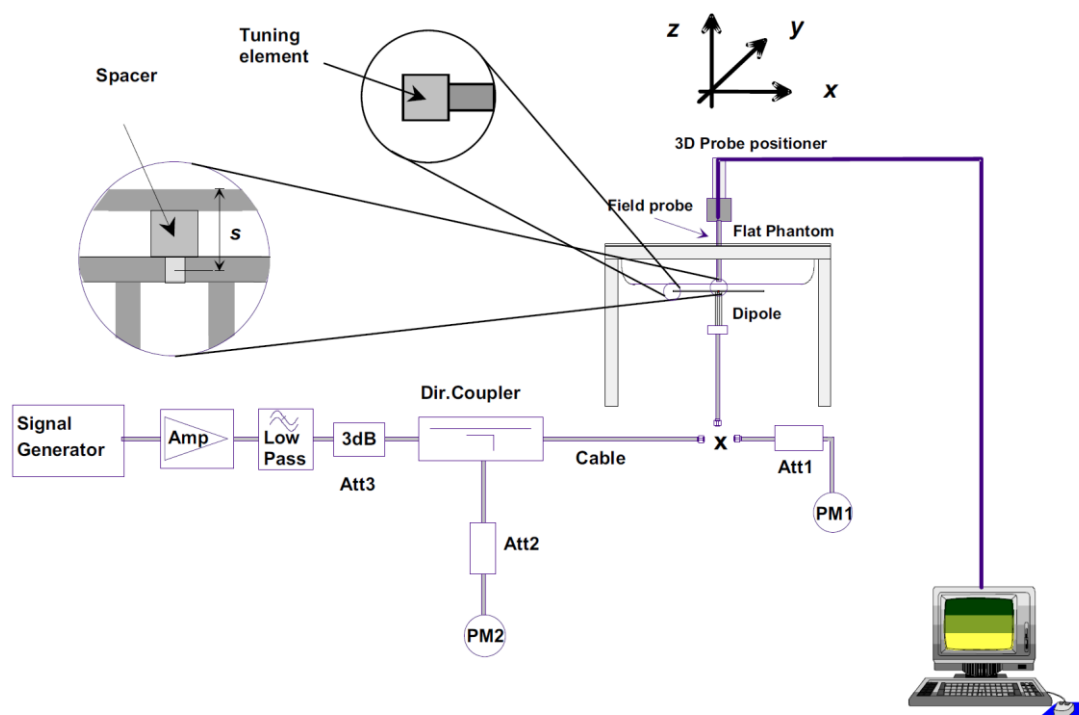
5 SYSTEM VERIFICATION

5.1 Purpose of System Check

The system performance check verifies that the system operates within its specifications. System and operator errors can be detected and corrected. It is recommended that the system performance check be performed prior to any usage of the system in order to guarantee reproducible results. The system performance check uses normal SAR measurements in a simplified setup with a well characterized source. This setup was selected to give a high sensitivity to all parameters that might fail or vary over time. The system check does not intend to replace the calibration of the components, but indicates situations where the system uncertainty is exceeded due to drift or failure.

5.2 System Check Setup

In the simplified setup for system evaluation, the EUT is replaced by a calibrated dipole and the power source is replaced by a continuous wave that comes from a signal generator. The calibrated dipole must be placed beneath the flat phantom section of the SAM twin phantom with the correct distance holder. The distance holder should touch the phantom surface with a light pressure at the reference marking and be oriented parallel to the long side of the phantom. The equipment setup is shown below:



6 TEST POSITION CONFIGURATIONS

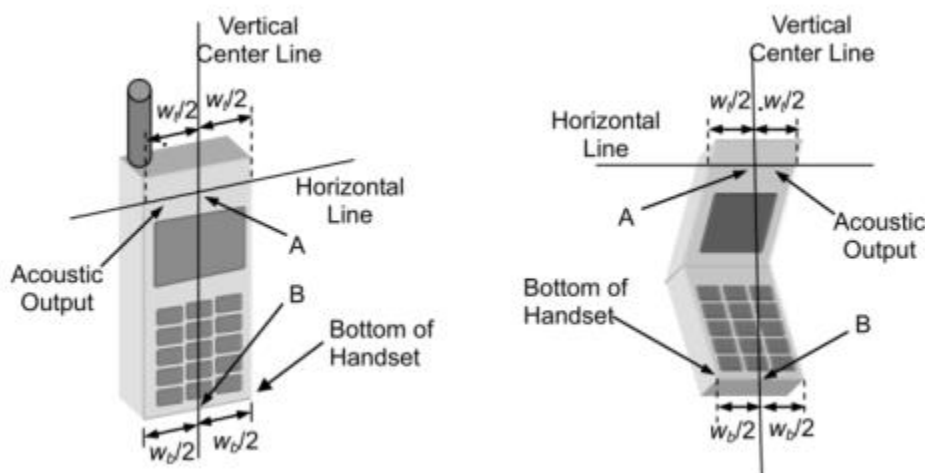
According to KDB 648474 D04 Handset, handsets are tested for SAR compliance in head, body-worn accessory and other use configurations described in the following subsections.

6.1 Head Exposure Conditions

Head exposure is limited to next to the ear voice mode operations. Head SAR compliance is tested according to the test positions defined in IEEE Std 1528-2013 using the SAM phantom illustrated as below.

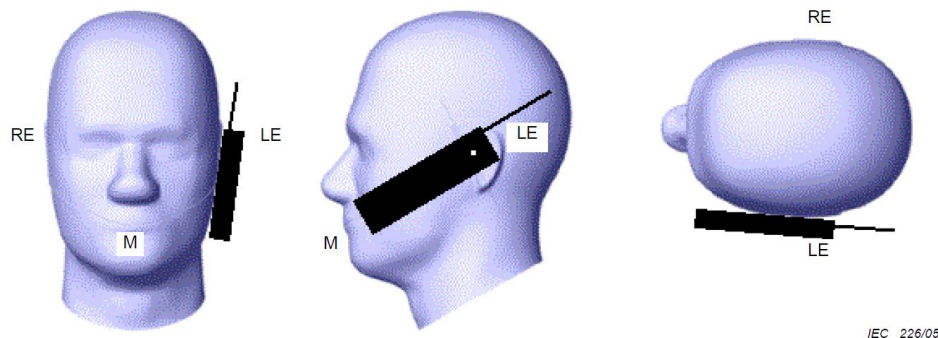
6.1.1 Two Imaginary Lines on the Handset

- The vertical center line passes through two points on the front side of the handset - the midpoint of the width w_t of the handset at the level of the acoustic output, and the midpoint of the width w_b of the bottom of the handset.
- The horizontal line is perpendicular to the vertical centerline and passes through the center of the acoustic output. The horizontal line is also tangential to the face of the handset at point A.
- The two lines intersect at point A. Note that for many handsets, point A coincides with the center of the acoustic output; however, the acoustic output may be located elsewhere on the horizontal line. Also note that the vertical center line is not necessarily parallel to the front face of the handset, especially for clamshell handsets, handsets with flip covers, and other irregularly shaped handsets.



6.1.2 Cheek Position

- (a) To position the device with the vertical center line of the body of the device and the horizontal line crossing the center piece in a plane parallel to the sagittal plane of the phantom. While maintaining the device in this plane, align the vertical center line with the reference plane containing the three ear and mouth reference point (M: Mouth, RE: Right Ear, and LE: Left Ear) and align the center of the ear piece with the line RE-LE.
- (b) To move the device towards the phantom with the ear piece aligned with the line LE-RE until the phone touched the ear. While maintaining the device in the reference plane and maintaining the phone contact with the ear, move the bottom of the phone until any point on the front side is in contact with the cheek of the phantom or until contact with the ear is lost.



6.1.3 Tilted Position

- (a) To position the device in the “cheek” position described above.
- (b) While maintaining the device the reference plane described above and pivoting against the ear, moves it outward away from the mouth by an angle of 15 degrees or until contact with the ear is lost.

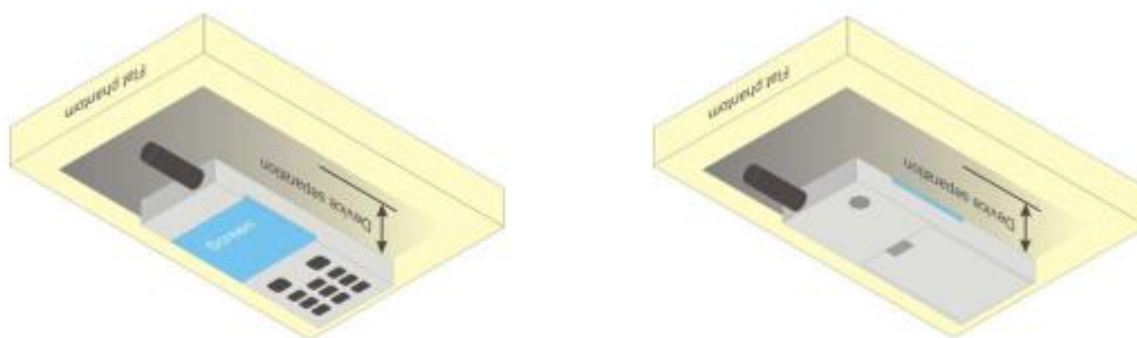


6.2 Body-worn Position Conditions

Body-worn accessory exposure is typically related to voice mode operations when handsets are carried in body-worn accessories. The body-worn accessory procedures in KDB 447498 are used to test for body-worn accessory SAR compliance, without a headset connected to it. This enables the test results for such configuration to be compatible with that required for hotspot mode when the body-worn accessory test separation distance is greater than or equal to that required for hotspot mode. When the reported SAR for a body-worn accessory.

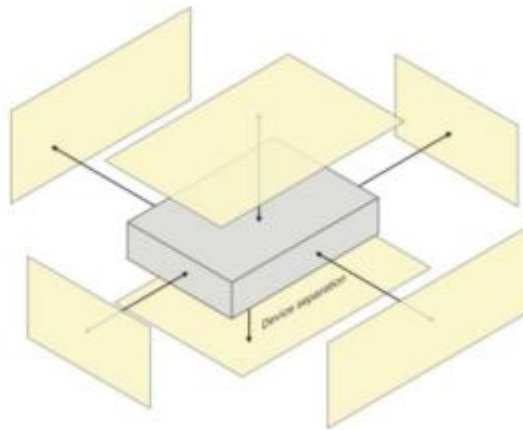
Body-worn accessories that do not contain metallic or conductive components may be tested according to worst-case exposure configurations, typically according to the smallest test separation distance required for the group of body-worn accessories with similar operating and exposure characteristics. All body-worn accessories containing metallic components are tested in conjunction with the host device.

Body-worn accessory SAR compliance is based on a single minimum test separation distance for all wireless and operating modes applicable to each body-worn accessory used by the host, and according to the relevant voice and/or data mode transmissions and operations. If a body-worn accessory supports voice only operations in its normal and expected use conditions, testing of data mode for body-worn compliance is not required. A conservative minimum test separation distance for supporting off-the-shelf body-worn accessories that may be acquired by users of consumer handsets is used to test for body-worn accessory SAR compliance. This distance is determined by the handset manufacturer, according to the requirements of Supplement C 01-01. Devices that are designed to operate on the body of users using lanyards and straps, or without requiring additional body-worn accessories, will be tested using a conservative minimum test separation distance ≤ 5 mm to support compliance.



6.3 Hotspot Mode Exposure Position Conditions

For handsets that support hotspot mode operations, with wireless router capabilities and various web browsing functions, the relevant hand and body exposure conditions are tested according to the hotspot SAR procedures in KDB 941225. A test separation distance of 10 mm is required between the phantom and all surfaces and edges with a transmitting antenna located within 25 mm from that surface or edge. When the form factor of a handset is smaller than 9 cm x 5 cm, a test separation distance of 5 mm (instead of 10 mm) is required for testing hotspot mode. When the separation distance required for body-worn accessory testing is larger than or equal to that tested for hotspot mode, in the same wireless mode and for the same surface of the phone, the hotspot mode SAR data may be used to support body-worn accessory SAR compliance for that particular configuration (surface).



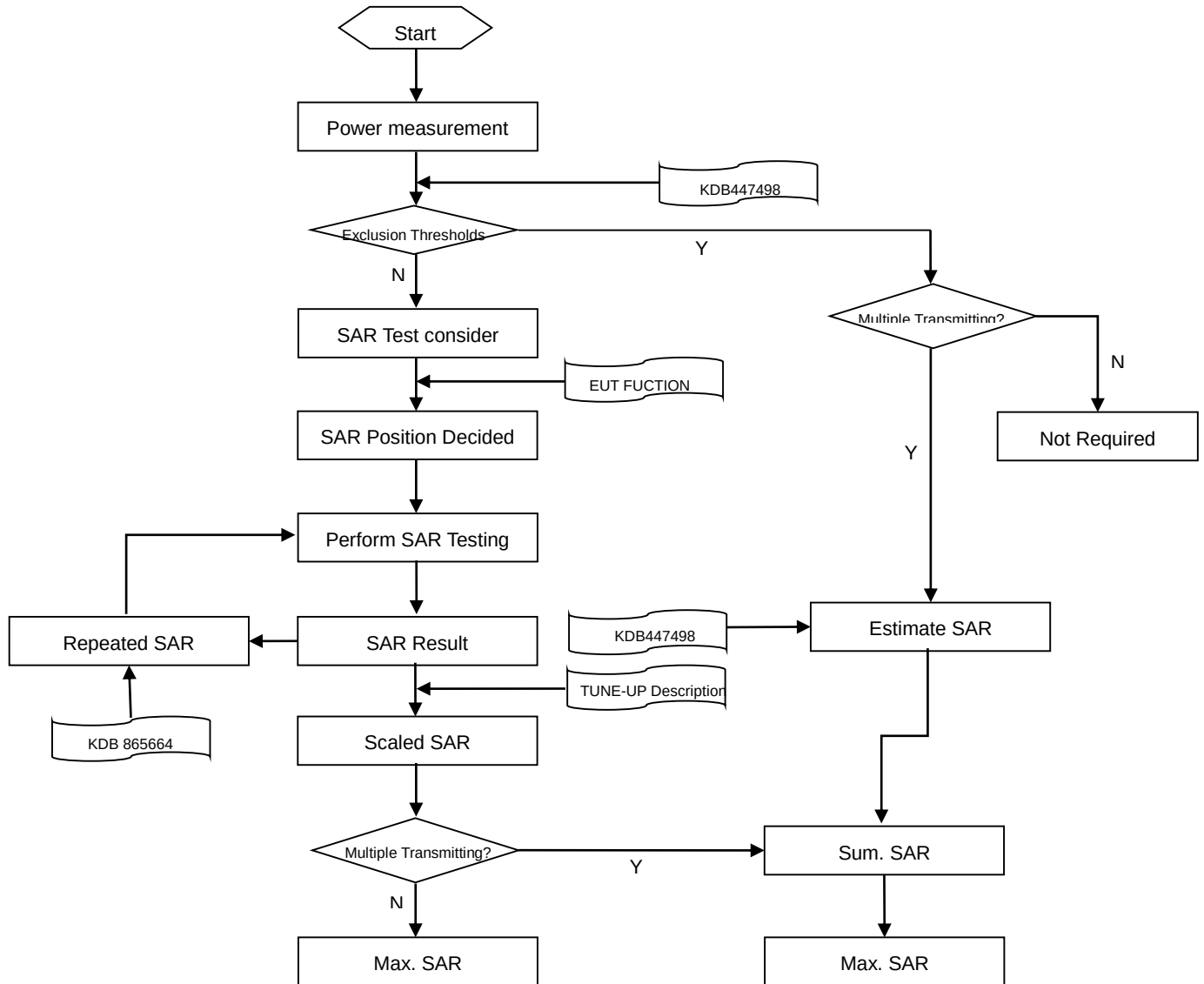
6.4 Product Specific 10g Exposure Consideration

According with FCC KDB 648474 D04, for smart phones with a display diagonal dimension > 15.0 cm or an overall diagonal dimension > 16.0 cm that provide similar mobile web access and multimedia support found in mini-tablets or UMPC mini-tablets that support voice calls next to the ear, unless it is confirmed otherwise through KDB inquiries, the following phablet procedures should be applied to evaluate SAR compliance for each applicable wireless modes and frequency band. Devices marketed as phablets, regardless of form factors and operating characteristics must be tested as a phablet to determine SAR compliance;

The UMPC mini-tablet procedures must also be applied to test the SAR of all surfaces and edges with an antenna located at ≤ 25 mm from that surface or edge, in direct contact with a flat phantom, for 10-g extremity SAR according to the body-equivalent tissue dielectric parameters in KDB 865664 to address interactive hand use exposure conditions. The UMPC mini-tablet 1-g SAR at 5 mm is not required. When hotspot mode applies, 10-g extremity SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg.

7 MEASUREMENT PROCEDURE

7.1 Measurement Process Diagram



7.2 SAR Scan General Requirement

Probe boundary effect error compensation is required for measurements with the probe tip closer than half a probe tip diameter to the phantom surface. Both the probe tip diameter and sensor offset distance must satisfy measurement protocols; to ensure probe boundary effect errors are minimized and the higher fields closest to the phantom surface can be correctly measured and extrapolated to the phantom surface for computing 1 g SAR. Tolerances of the post-processing algorithms must be verified by the test laboratory for the scan resolutions used in the SAR measurements, according to the reference distribution functions specified in IEEE Std 1528-2013.

			≤3GHz	>3GHz
Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface			5±1 mm	$\frac{1}{2} \cdot \delta \cdot \ln(2) \pm 0.5$ mm
Maximum probe angle from probe axis to phantom surface normal at the measurement location			30°±1°	20°±1°
Maximum area scan spatial resolution: Δx Area , Δy Area			≤ 2 GHz: ≤ 15 mm 2 – 3 GHz: ≤ 12 mm	3–4 GHz: ≤ 12 mm 4 – 6 GHz: ≤ 10 mm
			When the x or y dimension of the test device, in the measurement plane orientation, is smaller than the above, the measurement resolution must be ≤ the corresponding x or y dimension of the test device with at least one measurement point on the test device.	
Maximum zoom scan spatial resolution: Δx Zoom , Δy Zoom			≤ 2 GHz: ≤ 8 mm 2 –3 GHz: ≤ 5 mm*	3–4 GHz: ≤ 5 mm* 4 – 6 GHz: ≤ 4 mm*
Maximum zoom scan spatial resolution, normal to phantom surface	uniform grid: Δz Zoom (n)		≤ 5 mm	3–4 GHz: ≤ 4 mm
				4–5 GHz: ≤ 3 mm
				5–6 GHz: ≤ 2 mm
	graded grid	Δz Zoom (1): between 1st two points closest to phantom surface	≤ 4 mm	3–4 GHz: ≤ 3 mm
				4–5 GHz: ≤ 2.5 mm
		Δz Zoom (n>1): between subsequent points	≤ 1.5·Δz Zoom (n-1)	
Minimum zoom scan volume	x, y, z		≥30 mm	3–4 GHz: ≥ 28 mm
				4–5 GHz: ≥ 25 mm
				5–6 GHz: ≥ 22 mm

Note:

1. δ is the penetration depth of a plane-wave at normal incidence to the tissue medium; see draft standard IEEE P1528-2011 for details.
2. * When zoom scan is required and the reported SAR from the area scan based 1 g SAR estimation procedures of KDB 447498 is ≤ 1.4 W/kg, ≤ 8 mm, ≤ 7 mm and ≤ 5 mm zoom scan resolution may be applied, respectively, for 2 GHz to 3GHz, 3 GHz to 4 GHz and 4 GHz to 6 GHz.

7.3 Measurement Procedure

The following steps are used for each test position

- a. 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
- b. Measurement of the local E-field value at a fixed location. This value serves as a reference value for calculating a possible power drift.
- c. 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.
- d. 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.

7.4 Area & Zoom Scan Procedure

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 D01v01r04 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.

8 CONDUCTED RF OUPUT POWER

8.1 GSM

Please refer to the report No.BL-SH25B1335-701, which is issued by Shanghai Tejet Communications Technology Co., Ltd. Testing Center on Jan. 07, 2026.

8.2 WCDMA

Please refer to the report No.BL-SH25B1335-701, which is issued by Shanghai Tejet Communications Technology Co., Ltd. Testing Center on Jan. 07, 2026.

8.3 LTE

Please refer to the report No.BL-SH25B1335-701, which is issued by Shanghai Tejet Communications Technology Co., Ltd. Testing Center on Jan. 07, 2026.

8.4 2.4G WIFI

Please refer to the report No.BL-SH25B1335-701, which is issued by Shanghai Tejet Communications Technology Co., Ltd. Testing Center on Jan. 07, 2026.

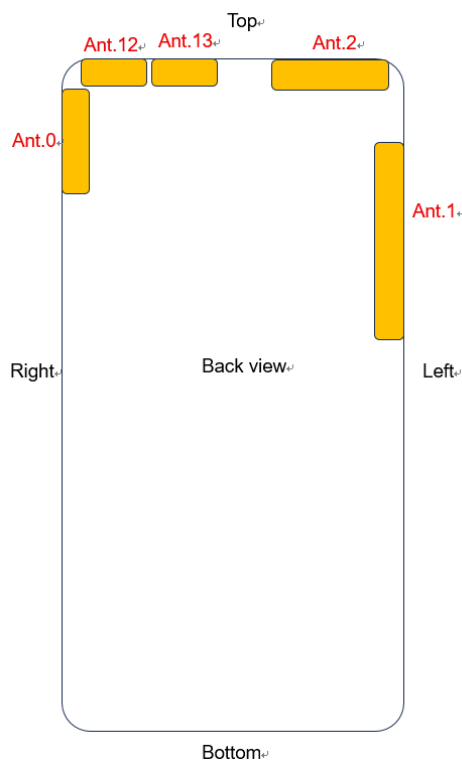
8.5 5G WIFI

Please refer to the report No.BL-SH25B1335-701, which is issued by Shanghai Tejet Communications Technology Co., Ltd. Testing Center on Jan. 07, 2026.

8.6 Bluetooth

Please refer to the report No.BL-SH25B1335-701, which is issued by Shanghai Tejet Communications Technology Co., Ltd. Testing Center on Jan. 07, 2026.

9 TEST EXCLUSION CONSIDERATION



Antenna	Support Bands
Ant.0	Only RX
Ant.1	Only RX
Ant.2	GSM 850/1900 WCDMA B2/B4/B5 LTE B2/B4/B5//B7/B12/B13/B17/B25/B26/B66/B38/B41
Ant.12	BT/WIFI 2.4G
Ant.13	WIFI 5G

Antenna	Front Side(mm)	Back Side(mm)	Left Edge(mm)	Right Edge(mm)	Top Edge(mm)	Bottom Edge(mm)
Ant.0	/	/	/	/	/	/
Ant.1	/	/	/	/	/	/
Ant.2	<25	<25	<25	>25	<25	>25
Ant.12	<25	<25	>25	<25	<25	>25
Ant.13	<25	<25	>25	<25	<25	>25

Note: 1. Per KDB 941225 DO6, When the overall length and width of a device is > 9 cm *5 cm, a test separation distance of 10 mm is required for hotspot mode SAR measurements and hotspot mode SAR is measured for all edges and surfaces of the device with a transmitting antenna located within 25 mm from that surface or edge.

[illegible]

11 SIMULTANEOUS TRANSMISSION

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 SAR to Peak Location Ratio (SPLSR).

11.1 Simultaneous Transmission Mode Consider

No.	Simultaneous Tx Combination	Head	Body	Hotspot
1	WWAN+WLAN 2.4G	Yes	Yes	Yes
2	WWAN+WLAN 5G+BT	Yes	Yes	Yes

Note:

1. WiFi 2.4G and Bluetooth share the same antenna, and can't transmit simultaneously.
2. When stand-alone SAR is not required for a side of antenna, its SAR is considered zero in the SAR summing process to assess Multi-band transmission SAR compliance.
3. The maximum SAR summation is calculated based on the same configuration and test position.
4. The simultaneous transmission combinations of the more antennas contain combinations of less antennas, so only the worst simultaneous transmission combinations is shown in this report.

11.2 Head Simultaneous Transmission SAR Evaluation for WWAN Antenna with WIFI and Bluetooth

Band	Antenna	Position	Stand alone SAR				SUM SAR	
			1	2	3	4		
			WWAN	WALN 2.4G	WALN 5G	Bluetooth	1+2	1+3+4
GSM 850	Ant.2	Left Cheek	0.412	0.320	0.499	0.131	0.732	1.042
GSM 850	Ant.2	Left Tilt	0.387	0.424	0.613	0.155	0.811	1.155
GSM 850	Ant.2	Right Cheek	0.391	0.121	0.218	0.039	0.512	0.648
GSM 850	Ant.2	Right Tilt	0.391	0.109	0.232	0.053	0.500	0.676
GSM 1900	Ant.2	Left Cheek	0.296	0.320	0.499	0.131	0.616	0.926
GSM 1900	Ant.2	Left Tilt	0.350	0.424	0.613	0.155	0.774	1.118
GSM 1900	Ant.2	Right Cheek	0.016	0.121	0.218	0.039	0.137	0.273
GSM 1900	Ant.2	Right Tilt	0.019	0.109	0.232	0.053	0.128	0.304
WCDMA B2	Ant.2	Left Cheek	0.382	0.320	0.499	0.131	0.702	1.012
WCDMA B2	Ant.2	Left Tilt	0.477	0.424	0.613	0.155	0.901	1.245
WCDMA B2	Ant.2	Right Cheek	0.646	0.121	0.218	0.039	0.767	0.903
WCDMA B2	Ant.2	Right Tilt	0.910	0.109	0.232	0.053	1.019	1.195
WCDMA B4	Ant.2	Left Cheek	0.430	0.320	0.499	0.131	0.750	1.060
WCDMA B4	Ant.2	Left Tilt	0.516	0.424	0.613	0.155	0.940	1.284
WCDMA B4	Ant.2	Right Cheek	0.676	0.121	0.218	0.039	0.797	0.933
WCDMA B4	Ant.2	Right Tilt	0.836	0.109	0.232	0.053	0.945	1.121
WCDMA B5	Ant.2	Left Cheek	0.489	0.320	0.499	0.131	0.809	1.119
WCDMA B5	Ant.2	Left Tilt	0.470	0.424	0.613	0.155	0.894	1.238
WCDMA B5	Ant.2	Right Cheek	0.549	0.121	0.218	0.039	0.670	0.806
WCDMA B5	Ant.2	Right Tilt	0.410	0.109	0.232	0.053	0.519	0.695
LTE B2	Ant.2	Left Cheek	0.485	0.320	0.499	0.131	0.805	1.115
LTE B2	Ant.2	Left Tilt	0.570	0.424	0.613	0.155	0.994	1.338
LTE B2	Ant.2	Right Cheek	0.756	0.121	0.218	0.039	0.877	1.013
LTE B2	Ant.2	Right Tilt	1.075	0.109	0.232	0.053	1.184	1.360
LTE B4	Ant.2	Left Cheek	0.528	0.320	0.499	0.131	0.848	1.158
LTE B4	Ant.2	Left Tilt	0.615	0.424	0.613	0.155	1.039	1.383
LTE B4	Ant.2	Right Cheek	0.801	0.121	0.218	0.039	0.922	1.058
LTE B4	Ant.2	Right Tilt	0.854	0.109	0.232	0.053	0.963	1.139
LTE B7	Ant.2	Left Cheek	0.288	0.320	0.499	0.131	0.608	0.918
LTE B7	Ant.2	Left Tilt	0.385	0.424	0.613	0.155	0.809	1.153
LTE B7	Ant.2	Right Cheek	0.620	0.121	0.218	0.039	0.741	0.877
LTE B7	Ant.2	Right Tilt	0.942	0.109	0.232	0.053	1.051	1.227
LTE B12	Ant.2	Left Cheek	0.215	0.320	0.499	0.131	0.535	0.845
LTE B12	Ant.2	Left Tilt	0.124	0.424	0.613	0.155	0.548	0.892
LTE B12	Ant.2	Right Cheek	0.123	0.121	0.218	0.039	0.244	0.380
LTE B12	Ant.2	Right Tilt	0.149	0.109	0.232	0.053	0.258	0.434

Band	Antenna	Position	Stand alone SAR				SUM SAR	
			1	2	3	4		
			WWAN	WALN 2.4G	WALN 5G	Bluetooth	1+2	1+3+4
LTE B13	Ant.2	Left Cheek	0.230	0.320	0.499	0.131	0.550	0.860
LTE B13	Ant.2	Left Tilt	0.196	0.424	0.613	0.155	0.620	0.964
LTE B13	Ant.2	Right Cheek	0.165	0.121	0.218	0.039	0.286	0.422
LTE B13	Ant.2	Right Tilt	0.126	0.109	0.232	0.053	0.235	0.411
LTE B25	Ant.2	Left Cheek	0.341	0.320	0.499	0.131	0.661	0.971
LTE B25	Ant.2	Left Tilt	0.415	0.424	0.613	0.155	0.839	1.183
LTE B25	Ant.2	Right Cheek	0.532	0.121	0.218	0.039	0.653	0.789
LTE B25	Ant.2	Right Tilt	0.958	0.109	0.232	0.053	1.067	1.243
LTE B26	Ant.2	Left Cheek	0.213	0.320	0.499	0.131	0.533	0.843
LTE B26	Ant.2	Left Tilt	0.089	0.424	0.613	0.155	0.513	0.857
LTE B26	Ant.2	Right Cheek	0.528	0.121	0.218	0.039	0.649	0.785
LTE B26	Ant.2	Right Tilt	0.518	0.109	0.232	0.053	0.627	0.803
LTE B66	Ant.2	Left Cheek	0.475	0.320	0.499	0.131	0.795	1.105
LTE B66	Ant.2	Left Tilt	0.584	0.424	0.613	0.155	1.008	1.352
LTE B66	Ant.2	Right Cheek	0.716	0.121	0.218	0.039	0.837	0.973
LTE B66	Ant.2	Right Tilt	0.972	0.109	0.232	0.053	1.081	1.257
LTE B41	Ant.2	Left Cheek	0.252	0.320	0.499	0.131	0.572	0.882
LTE B41	Ant.2	Left Tilt	0.298	0.424	0.613	0.155	0.722	1.066
LTE B41	Ant.2	Right Cheek	0.615	0.121	0.218	0.039	0.736	0.872
LTE B41	Ant.2	Right Tilt	0.674	0.109	0.232	0.053	0.783	0.959

Note:

1: The simultaneous transmission combinations of the antennas contain combinations of two antennas, so only the worst simultaneous transmission combinations was shown in this table.

2: The highest Summed 1g SAR is 1.383 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

11.3 Body Simultaneous Transmission SAR Evaluation for WWAN Antenna with WIFI and Bluetooth

Band	Antenna	Position	Stand alone SAR				SUM SAR	
			1	2	3	4		
			WWAN	2.4GWIFI	5G WIFI	Bluetooth	1+2	1+3+4
GSM 850	Ant.2	Front Side	0.081	0.082	0.159	0.051	0.163	0.291
GSM 850	Ant.2	Back Side	0.137	0.316	0.212	0.133	0.453	0.482
GSM 1900	Ant.2	Front Side	0.118	0.082	0.159	0.051	0.200	0.328
GSM 1900	Ant.2	Back Side	0.170	0.316	0.212	0.133	0.486	0.515
WCDMA B2	Ant.2	Front Side	0.188	0.082	0.159	0.051	0.270	0.398
WCDMA B2	Ant.2	Back Side	0.297	0.316	0.212	0.133	0.613	0.642
WCDMA B4	Ant.2	Front Side	0.207	0.082	0.159	0.051	0.289	0.417
WCDMA B4	Ant.2	Back Side	0.249	0.316	0.212	0.133	0.565	0.594
WCDMA B5	Ant.2	Front Side	0.097	0.082	0.159	0.051	0.179	0.307
WCDMA B5	Ant.2	Back Side	0.163	0.316	0.212	0.133	0.479	0.508
LTE B2	Ant.2	Front Side	0.219	0.082	0.159	0.051	0.301	0.429
LTE B2	Ant.2	Back Side	0.392	0.316	0.212	0.133	0.708	0.737
LTE B4	Ant.2	Front Side	0.263	0.082	0.159	0.051	0.345	0.473
LTE B4	Ant.2	Back Side	0.297	0.316	0.212	0.133	0.613	0.642
LTE B7	Ant.2	Front Side	0.194	0.082	0.159	0.051	0.276	0.404
LTE B7	Ant.2	Back Side	0.511	0.316	0.212	0.133	0.827	0.856
LTE B12	Ant.2	Front Side	0.141	0.082	0.159	0.051	0.223	0.351
LTE B12	Ant.2	Back Side	0.197	0.316	0.212	0.133	0.513	0.542
LTE B13	Ant.2	Front Side	0.143	0.082	0.159	0.051	0.225	0.353
LTE B13	Ant.2	Back Side	0.199	0.316	0.212	0.133	0.515	0.544
LTE B25	Ant.2	Front Side	0.170	0.082	0.159	0.051	0.252	0.380
LTE B25	Ant.2	Back Side	0.270	0.316	0.212	0.133	0.586	0.615
LTE B26	Ant.2	Front Side	0.121	0.082	0.159	0.051	0.203	0.331
LTE B26	Ant.2	Back Side	0.139	0.316	0.212	0.133	0.455	0.484
LTE B66	Ant.2	Front Side	0.229	0.082	0.159	0.051	0.311	0.439
LTE B66	Ant.2	Back Side	0.281	0.316	0.212	0.133	0.597	0.626
LTE B41	Ant.2	Front Side	0.157	0.082	0.159	0.051	0.239	0.367
LTE B41	Ant.2	Back Side	0.461	0.316	0.212	0.133	0.777	0.806

Note:

1: The simultaneous transmission combinations of the antennas contain combinations of two antennas, so only the worst simultaneous transmission combinations was shown in this table.

2: The highest 1g SAR is 0.856 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

11.4 Hotspot Simultaneous Transmission SAR Evaluation for WWAN Antenna with WIFI and Bluetooth

Band	Antenna	Position	Stand alone SAR				SUM SAR	
			1	2	3	4		
			WWAN	2.4GWIFI	5G WIFI	Bluetooth	1+2	1+3+4
GSM 850	Ant.2	Front Side	0.081	0.082	0.159	0.051	0.163	0.291
GSM 850	Ant.2	Back Side	0.137	0.316	0.167	0.133	0.453	0.437
GSM 850	Ant.2	Left Side	0.044	0.000	0.000	0.000	0.044	0.044
GSM 850	Ant.2	Right Side	0.000	0.067	0.085	0.053	0.067	0.138
GSM 850	Ant.2	Top Side	0.126	0.194	0.171	0.054	0.320	0.351
GSM 850	Ant.2	Bottom Side	0.000	0.000	0.000	0.000	0.000	0.000
GSM 1900	Ant.2	Front Side	0.118	0.082	0.159	0.051	0.200	0.328
GSM 1900	Ant.2	Back Side	0.170	0.316	0.167	0.133	0.486	0.470
GSM 1900	Ant.2	Left Side	0.045	0.000	0.000	0.000	0.045	0.045
GSM 1900	Ant.2	Right Side	0.000	0.067	0.085	0.053	0.067	0.138
GSM 1900	Ant.2	Top Side	0.254	0.194	0.171	0.054	0.448	0.479
GSM 1900	Ant.2	Bottom Side	0.000	0.000	0.000	0.000	0.000	0.000
WCDMA B2	Ant.2	Front Side	0.188	0.082	0.159	0.051	0.270	0.398
WCDMA B2	Ant.2	Back Side	0.297	0.316	0.167	0.133	0.613	0.597
WCDMA B2	Ant.2	Left Side	0.052	0.000	0.000	0.000	0.052	0.052
WCDMA B2	Ant.2	Right Side	0.000	0.067	0.085	0.053	0.067	0.138
WCDMA B2	Ant.2	Top Side	0.368	0.194	0.171	0.054	0.562	0.593
WCDMA B2	Ant.2	Bottom Side	0.000	0.000	0.000	0.000	0.000	0.000
WCDMA B4	Ant.2	Front Side	0.207	0.082	0.159	0.051	0.289	0.417
WCDMA B4	Ant.2	Back Side	0.249	0.316	0.167	0.133	0.565	0.549
WCDMA B4	Ant.2	Left Side	0.046	0.000	0.000	0.000	0.046	0.046
WCDMA B4	Ant.2	Right Side	0.000	0.067	0.085	0.053	0.067	0.138
WCDMA B4	Ant.2	Top Side	0.324	0.194	0.171	0.054	0.518	0.549
WCDMA B4	Ant.2	Bottom Side	0.000	0.000	0.000	0.000	0.000	0.000
WCDMA B5	Ant.2	Front Side	0.097	0.082	0.159	0.051	0.179	0.307
WCDMA B5	Ant.2	Back Side	0.163	0.316	0.167	0.133	0.479	0.463
WCDMA B5	Ant.2	Left Side	0.058	0.000	0.000	0.000	0.058	0.058
WCDMA B5	Ant.2	Right Side	0.000	0.067	0.085	0.053	0.067	0.138
WCDMA B5	Ant.2	Top Side	0.149	0.194	0.171	0.054	0.343	0.374
WCDMA B5	Ant.2	Bottom Side	0.000	0.000	0.000	0.000	0.000	0.000
LTE B2	Ant.2	Front Side	0.219	0.082	0.159	0.051	0.301	0.429
LTE B2	Ant.2	Back Side	0.392	0.316	0.167	0.133	0.708	0.692
LTE B2	Ant.2	Left Side	0.065	0.000	0.000	0.000	0.065	0.065
LTE B2	Ant.2	Right Side	0.000	0.067	0.085	0.053	0.067	0.138
LTE B2	Ant.2	Top Side	0.580	0.194	0.171	0.054	0.774	0.805
LTE B2	Ant.2	Bottom Side	0.000	0.000	0.000	0.000	0.000	0.000

Band	Antenna	Position	Stand alone SAR				SUM SAR	
			1	2	3	4		
			WWAN	2.4GWIFI	5G WIFI	Bluetooth	1+2	1+3+4
LTE B4	Ant.2	Front Side	0.263	0.082	0.159	0.051	0.345	0.473
LTE B4	Ant.2	Back Side	0.297	0.316	0.167	0.133	0.613	0.597
LTE B4	Ant.2	Left Side	0.057	0.000	0.000	0.000	0.057	0.057
LTE B4	Ant.2	Right Side	0.000	0.067	0.085	0.053	0.067	0.138
LTE B4	Ant.2	Top Side	0.409	0.194	0.171	0.054	0.603	0.634
LTE B4	Ant.2	Bottom Side	0.000	0.000	0.000	0.000	0.000	0.000
LTE B7	Ant.2	Front Side	0.194	0.082	0.159	0.051	0.276	0.404
LTE B7	Ant.2	Back Side	0.511	0.316	0.167	0.133	0.827	0.811
LTE B7	Ant.2	Left Side	0.132	0.000	0.000	0.000	0.132	0.132
LTE B7	Ant.2	Right Side	0.000	0.067	0.085	0.053	0.067	0.138
LTE B7	Ant.2	Top Side	0.543	0.194	0.171	0.054	0.737	0.768
LTE B7	Ant.2	Bottom Side	0.000	0.000	0.000	0.000	0.000	0.000
LTE B12	Ant.2	Front Side	0.141	0.082	0.159	0.051	0.223	0.351
LTE B12	Ant.2	Back Side	0.197	0.316	0.167	0.133	0.513	0.497
LTE B12	Ant.2	Left Side	0.187	0.000	0.000	0.000	0.187	0.187
LTE B12	Ant.2	Right Side	0.000	0.067	0.085	0.053	0.067	0.138
LTE B12	Ant.2	Top Side	0.149	0.194	0.171	0.054	0.343	0.374
LTE B12	Ant.2	Bottom Side	0.000	0.000	0.000	0.000	0.000	0.000
LTE B13	Ant.2	Front Side	0.143	0.082	0.159	0.051	0.225	0.353
LTE B13	Ant.2	Back Side	0.199	0.316	0.167	0.133	0.515	0.499
LTE B13	Ant.2	Left Side	0.134	0.000	0.000	0.000	0.134	0.134
LTE B13	Ant.2	Right Side	0.000	0.067	0.085	0.053	0.067	0.138
LTE B13	Ant.2	Top Side	0.193	0.194	0.171	0.054	0.387	0.418
LTE B13	Ant.2	Bottom Side	0.000	0.000	0.000	0.000	0.000	0.000
LTE B25	Ant.2	Front Side	0.170	0.082	0.159	0.051	0.252	0.380
LTE B25	Ant.2	Back Side	0.270	0.316	0.167	0.133	0.586	0.570
LTE B25	Ant.2	Left Side	0.043	0.000	0.000	0.000	0.043	0.043
LTE B25	Ant.2	Right Side	0.000	0.067	0.085	0.053	0.067	0.138
LTE B25	Ant.2	Top Side	0.417	0.194	0.171	0.054	0.611	0.642
LTE B25	Ant.2	Bottom Side	0.000	0.000	0.000	0.000	0.000	0.000
LTE B26	Ant.2	Front Side	0.121	0.082	0.159	0.051	0.203	0.331
LTE B26	Ant.2	Back Side	0.139	0.316	0.167	0.133	0.455	0.439
LTE B26	Ant.2	Left Side	0.118	0.000	0.000	0.000	0.118	0.118
LTE B26	Ant.2	Right Side	0.000	0.067	0.085	0.053	0.067	0.138
LTE B26	Ant.2	Top Side	0.144	0.194	0.171	0.054	0.338	0.369
LTE B26	Ant.2	Bottom Side	0.000	0.000	0.000	0.000	0.000	0.000
LTE B66	Ant.2	Front Side	0.229	0.082	0.159	0.051	0.311	0.439
LTE B66	Ant.2	Back Side	0.281	0.316	0.167	0.133	0.597	0.581
LTE B66	Ant.2	Left Side	0.055	0.000	0.000	0.000	0.055	0.055
LTE B66	Ant.2	Right Side	0.000	0.067	0.085	0.053	0.067	0.138

Note:

12 TEST EQUIPMENTS LIST

Description	Manufacturer	Model	Serial No./Version	Cal. Date	Cal. Due
PC	Dell	N/A	N/A	N/A	N/A
Test Software	Speag	DASY5	52.10.4.1535	N/A	N/A
1900MHz Validation Dipole	Speag	D1900V2	5d155	2024/09/02	2027/09/03
2450MHz Validation Dipole	Speag	D2450V2	1065	2024/09/05	2027/09/05
5GHz Validation Dipole	Speag	D5GHzV2	1333	2024/09/04	2027/09/04
Data Acquisition Electronics	Speag	DAE4	SN: 540	2025/04/21	2026/04/21
E-Field Probe	Speag	EX3DV4	SN: 3748	2025/04/24	2026/04/24
Signal Generator	R&S	SMB100A	182635	2026/02/03	2027/02/03
Power Meter	Agilent	E4419B	MY45104512	2026/02/03	2027/02/03
Power Sensor	Agilent	E9304A	MY41499059	2026/02/03	2027/02/03
Power Sensor	Agilent	E9304A	MY41499060	2026/02/03	2027/02/03
Wireless Communication Test Set	R&S	CMW500	168792	2026/02/05	2027/02/05
Network Analyzer	Agilent	E5071C	MY56301409	2026/02/03	2027/02/03
Thermometer	CEM	DT-322	210402350	2026/01/28	2027/01/28
Thermometer	Elitech	RC-4HC	EF7247001275	2026/01/28	2027/01/28
Power Amplifier	COM-MW	PAO.4	201704001	N/A	N/A
Dielectric Probe Kit	Keysight	85070E	MY44300524	N/A	N/A
Phantom	Speag	SAM	1857	N/A	N/A
Attenuator	COM-MW	ZA-S1-31	1305003187	N/A	N/A

Note: For dipole antennas, Tejet has adopted 3 years as calibration intervals, and on annual basis, every measurement dipole has been evaluated and is in compliance with the following criteria:

1. There is no physical damage on the dipole;
2. System validation with specific dipole is within 10% of calibrated value;
3. Return-loss in within 20% of calibrated measurement.
4. Impedance (real or imaginary parts) in within 5 Ohms of calibrated measurement.

ANNEX A SIMULATING LIQUID VERIFICATION RESULT

The dielectric parameters of the liquids were verified prior to the SAR evaluation using an 85070E Dielectric Probe Kit.

Head Liquid

Date	Liquid Type	Fre. (MHz)	Temp. (°C)	Meas. Conductivity (σ) (S/m)	Meas. Permittivity (ϵ)	Target Conductivity(σ) (S/m)	Target Permittivity (ϵ)	Conductivity Tolerance (%)	Permittivity Tolerance (%)
2026.3.16	Head	1900	21.2	1.38	39.46	1.40	40.00	-1.43	-1.35
2026.3.16	Head	2450	21.2	1.80	38.53	1.80	39.20	0.00	-1.71
2026.3.16	Head	5300	21.2	4.65	35.27	4.76	35.87	-2.31	-1.67

Note: The tolerance limit of Conductivity and Permittivity is $\pm 5\%$.

ANNEX B SYSTEM CHECK RESULT

Comparing to the original SAR value provided by Speag, the validation data should be within its specification of 10 %.

Head 1g

Date	Freq. (MHz)	Power (mW)	Measured SAR (W/kg)	Normalized SAR (W/kg)	Dipole SAR (W/kg)	Tolerance (%)
2026.3.16	1900	100	3.850	38.50	39.90	-3.51
2026.3.16	2450	100	5.400	54.00	52.60	2.66
2026.3.16	5300	100	7.580	75.80	79.00	-4.05

Note: The tolerance limit of System validation $\pm 10\%$.

System Performance Check Data(1900MHz)

Date: 2026/3/16

Communication System Band: D1900 (1900.0 MHz); Frequency: 1900 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.382$ S/m; $\epsilon_r = 39.458$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(7.3, 7.3, 7.3); Calibrated: 2025/4/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2025/4/21
- Phantom: Twin-SAM Right V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

CW1900/Area Scan (61x101x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 6.05 W/kg

CW1900/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 54.12 V/m; Power Drift = -0.02 dB

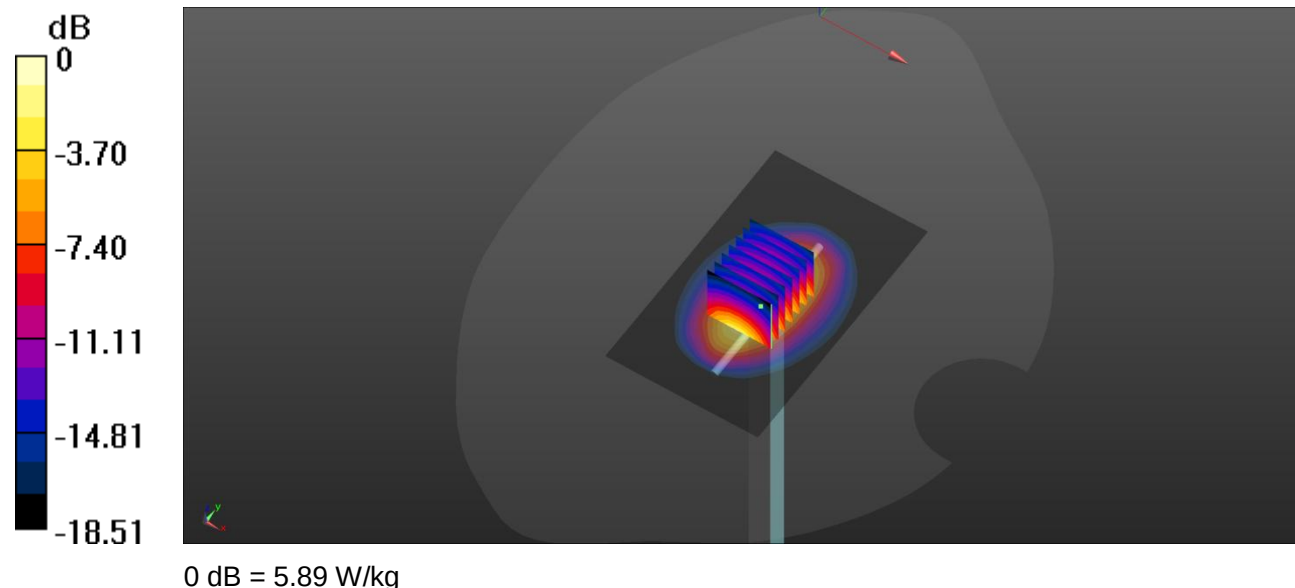
Peak SAR (extrapolated) = 7.20 W/kg

SAR(1 g) = 3.85 W/kg; SAR(10 g) = 2.02 W/kg

Smallest distance from peaks to all points 3 dB below = 9.8 mm

Ratio of SAR at M2 to SAR at M1 = 52.4%

Maximum value of SAR (measured) = 5.89 W/kg



System Performance Check Data(2450MHz)

Date: 2026/3/16

Communication System Band: D2450 (2450.0 MHz); Frequency: 2450 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.799$ S/m; $\epsilon_r = 38.534$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(6.9, 6.9, 6.9); Calibrated: 2025/4/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2025/4/21
- Phantom: Twin-SAM Right V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

CW2450/Area Scan (71x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 9.42 W/kg

CW2450/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 58.18 V/m; Power Drift = -0.04 dB

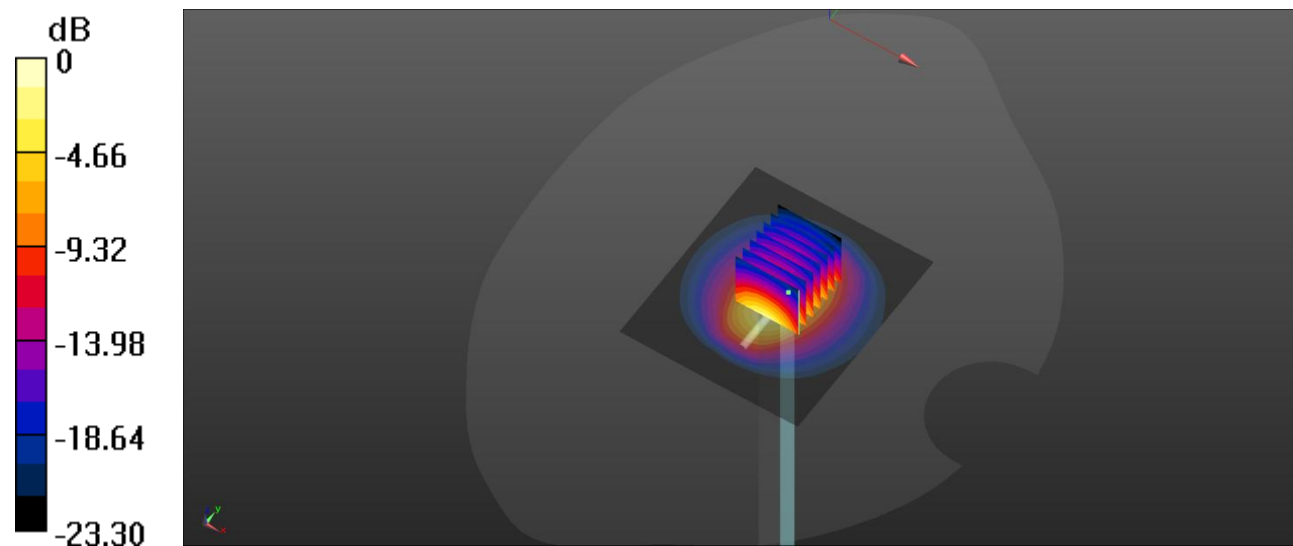
Peak SAR (extrapolated) = 11.4 W/kg

SAR(1 g) = 5.4 W/kg; SAR(10 g) = 2.48 W/kg

Smallest distance from peaks to all points 3 dB below = 8.5 mm

Ratio of SAR at M2 to SAR at M1 = 47.9%

Maximum value of SAR (measured) = 9.06 W/kg



0 dB = 9.06 W/kg

System Performance Check Data(5300MHz)

Date: 2026/3/16

Communication System Band: D5GHz (5000.0 - 6000.0 MHz); Frequency: 5300 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5300$ MHz; $\sigma = 4.649$ S/m; $\epsilon_r = 35.271$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(4.85, 4.85, 4.85); Calibrated: 2025/4/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2025/4/21
- Phantom: Twin-SAM Right V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

CW5300/Area Scan (61x81x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 15.1 W/kg

CW5300/Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 39.30 V/m; Power Drift = -0.02 dB

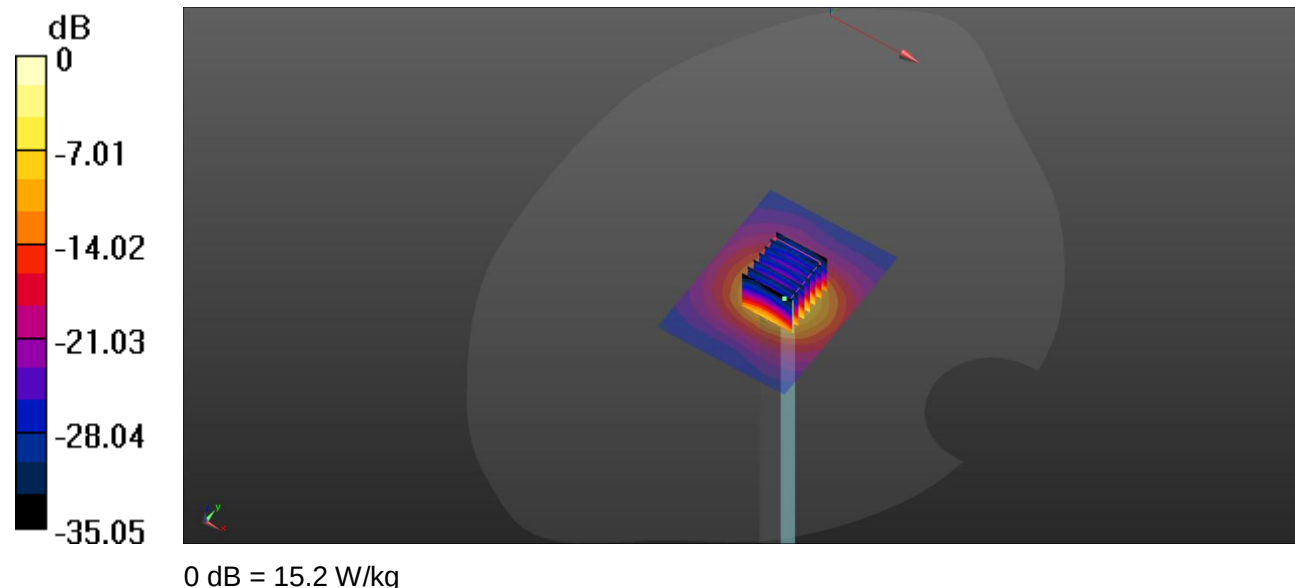
Peak SAR (extrapolated) = 30.8 W/kg

SAR(1 g) = 7.58 W/kg; SAR(10 g) = 2.19 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 53.4%

Maximum value of SAR (measured) = 15.2 W/kg



ANNEX C TEST DATA

Meas1.Head Right tilt LTE B2 ch18900 ANT2 S02

Date: 2026/3/16

Communication System Band: Band 2; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.39$ S/m; $\epsilon_r = 39.413$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(7.3, 7.3, 7.3); Calibrated: 2025/4/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2025/4/21
- Phantom: Twin-SAM Right V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Ch18900/Area Scan (71x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

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

Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 10.25 V/m; Power Drift = 0.05 dB

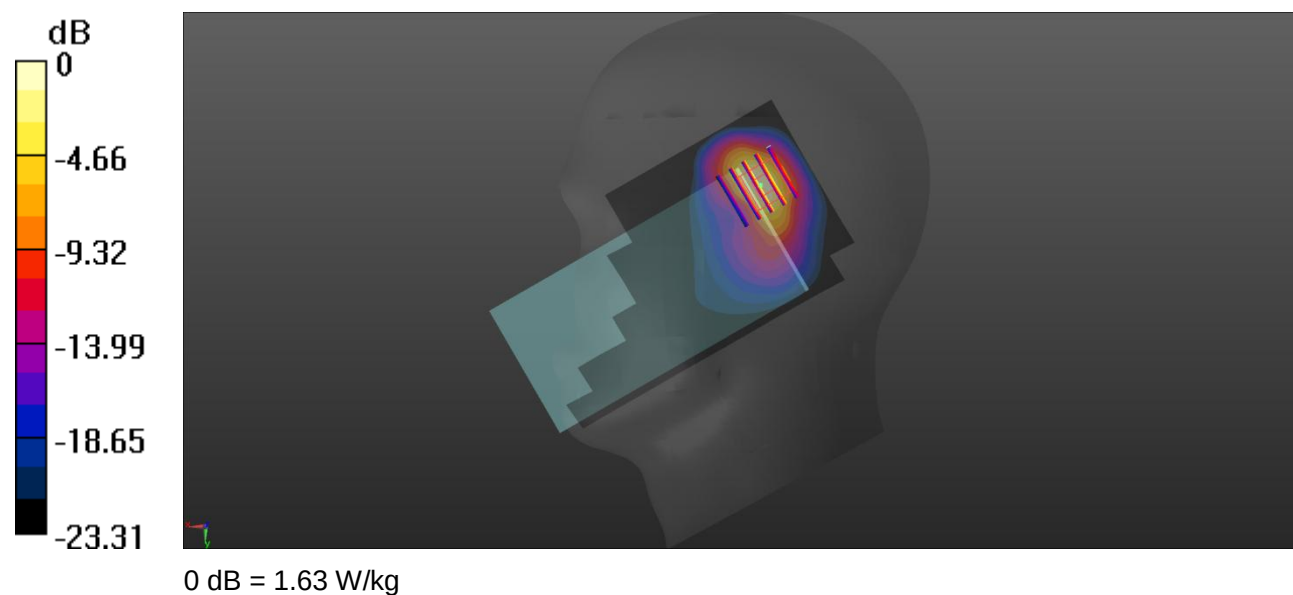
Peak SAR (extrapolated) = 2.17 W/kg

SAR(1 g) = 0.846 W/kg; SAR(10 g) = 0.356 W/kg

Smallest distance from peaks to all points 3 dB below = 9.8 mm

Ratio of SAR at M2 to SAR at M1 = 43.2%

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



Meas2.Head Right tilt LTE B2 ch18900 ANT2 S06

Date: 2026/3/16

Communication System Band: Band 2; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.39$ S/m; $\epsilon_r = 39.413$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(7.3, 7.3, 7.3); Calibrated: 2025/4/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2025/4/21
- Phantom: Twin-SAM Right V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Ch18900/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.53 W/kg

Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.27 V/m; Power Drift = 0.13 dB

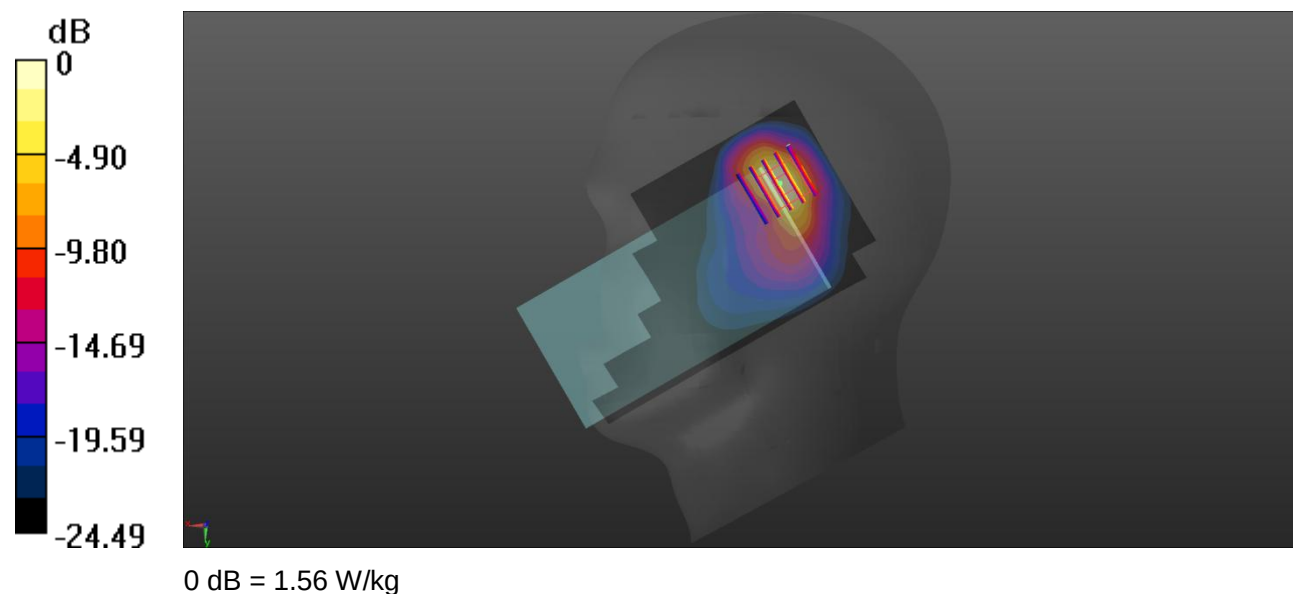
Peak SAR (extrapolated) = 2.02 W/kg

SAR(1 g) = 0.791 W/kg; SAR(10 g) = 0.332 W/kg

Smallest distance from peaks to all points 3 dB below = 5.1 mm

Ratio of SAR at M2 to SAR at M1 = 42.8%

Maximum value of SAR (measured) = 1.56 W/kg



Meas3. Hotspot Top side 10mm LTE B2 ch18900 ANT2 S02

Date: 2026/3/16

Communication System Band: Band 2; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.39$ S/m; $\epsilon_r = 39.413$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(7.3, 7.3, 7.3); Calibrated: 2025/4/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2025/4/21
- Phantom: Twin-SAM Right V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Ch18900/Area Scan (51x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.630 W/kg

Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.52 V/m; Power Drift = 0.04 dB

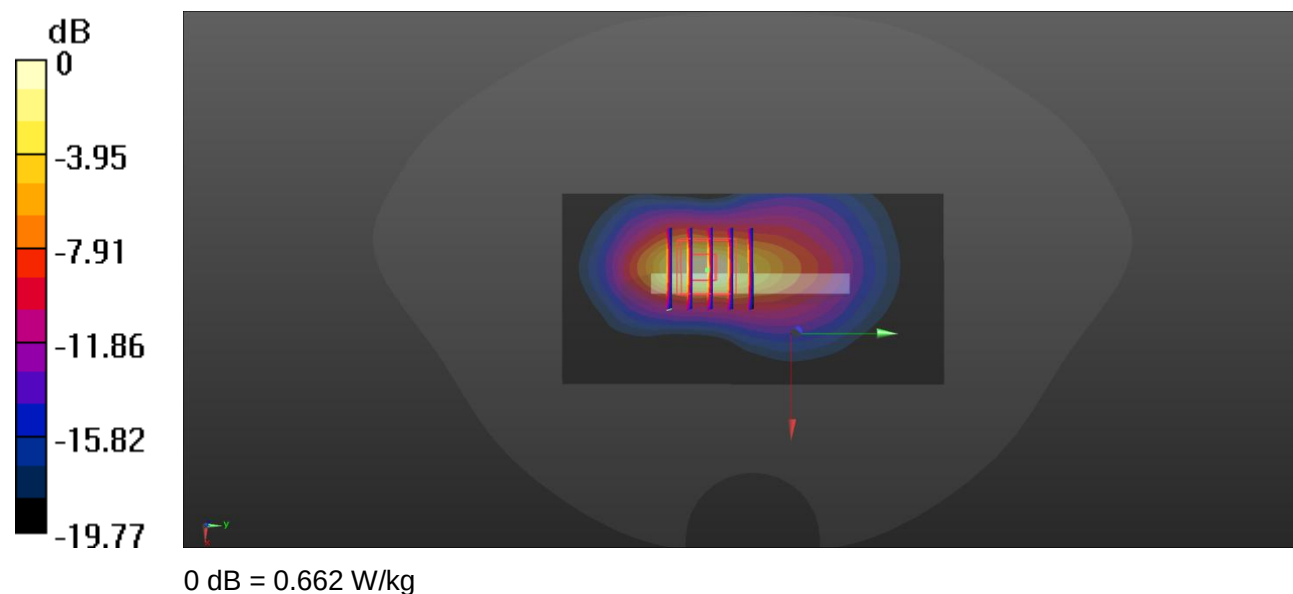
Peak SAR (extrapolated) = 0.827 W/kg

SAR(1 g) = 0.401 W/kg; SAR(10 g) = 0.185 W/kg

Smallest distance from peaks to all points 3 dB below = 8 mm

Ratio of SAR at M2 to SAR at M1 = 50.3%

Maximum value of SAR (measured) = 0.662 W/kg



Meas4. Hotspot Top side 10mm LTE B2 ch18900 ANT2 S06

Date: 2026/3/16

Communication System Band: Band 2; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.39$ S/m; $\epsilon_r = 39.413$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(7.3, 7.3, 7.3); Calibrated: 2025/4/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2025/4/21
- Phantom: Twin-SAM Right V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Ch18900/Area Scan (51x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.601 W/kg

Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.628 V/m; Power Drift = 0.05 dB

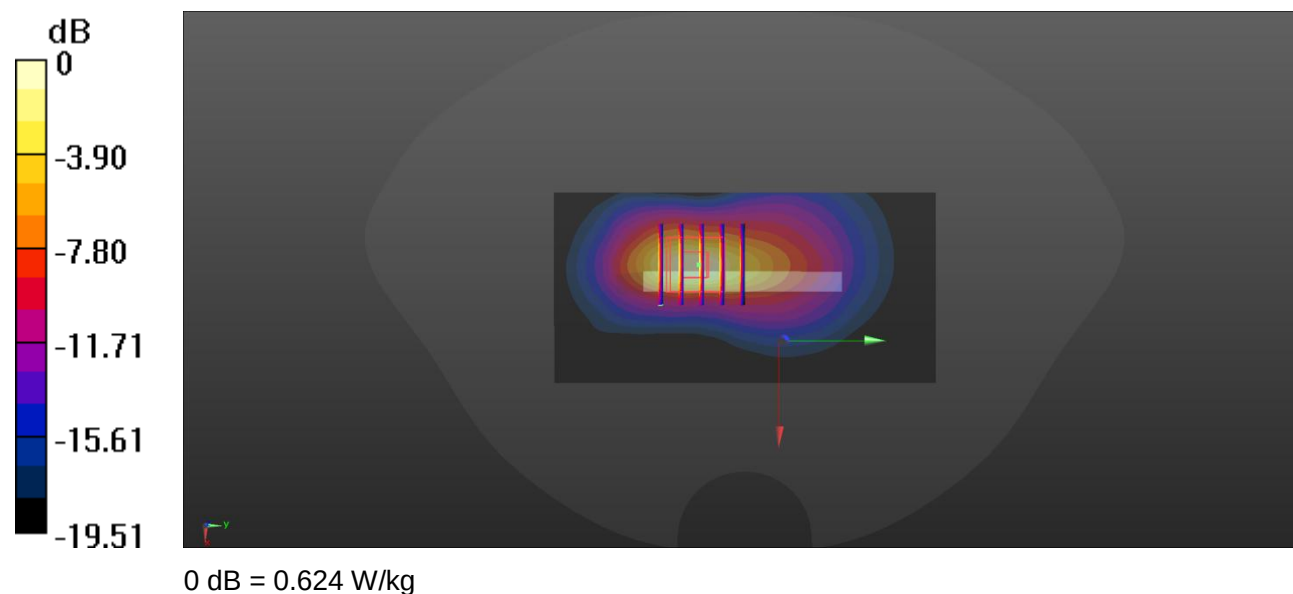
Peak SAR (extrapolated) = 0.784 W/kg

SAR(1 g) = 0.379 W/kg; SAR(10 g) = 0.175 W/kg

Smallest distance from peaks to all points 3 dB below = 8 mm

Ratio of SAR at M2 to SAR at M1 = 50.3%

Maximum value of SAR (measured) = 0.624 W/kg



Meas5.Body-worn&Hotspot Back side 10mm WLAN 2.4G ch6 ANT12 S02

Date: 2026/3/16

Communication System Band: WLAN(n); Frequency: 2437 MHz; Duty Cycle: 1:1.04

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.785$ S/m; $\epsilon_r = 38.487$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.4°C Liquid Temperature:21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(6.9, 6.9, 6.9); Calibrated: 2025/4/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2025/4/21
- Phantom: Twin-SAM Right V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Ch6/Area Scan (91x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.323 W/kg

Ch6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.460 V/m; Power Drift = 0.10 dB

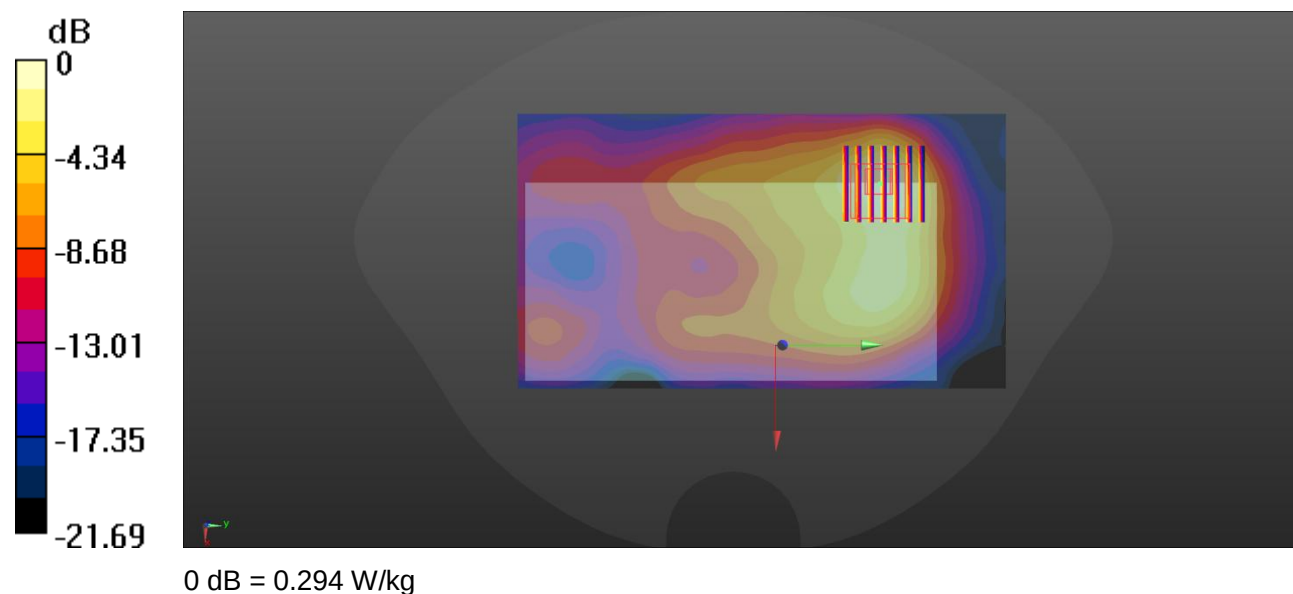
Peak SAR (extrapolated) = 0.396 W/kg

SAR(1 g) = 0.171 W/kg; SAR(10 g) = 0.088 W/kg

Smallest distance from peaks to all points 3 dB below = 9.8 mm

Ratio of SAR at M2 to SAR at M1 = 40.8%

Maximum value of SAR (measured) = 0.294 W/kg



Meas6.Body-worn&Hotspot Back side 10mm WLAN 2.4G ch6 ANT12 S06

Date: 2026/3/16

Communication System Band: WLAN(n); Frequency: 2437 MHz; Duty Cycle: 1:1.04

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.785$ S/m; $\epsilon_r = 38.487$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.4°C Liquid Temperature:21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(6.9, 6.9, 6.9); Calibrated: 2025/4/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2025/4/21
- Phantom: Twin-SAM Right V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Ch6/Area Scan (91x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.305 W/kg

Ch6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.109 V/m; Power Drift = 0.06 dB

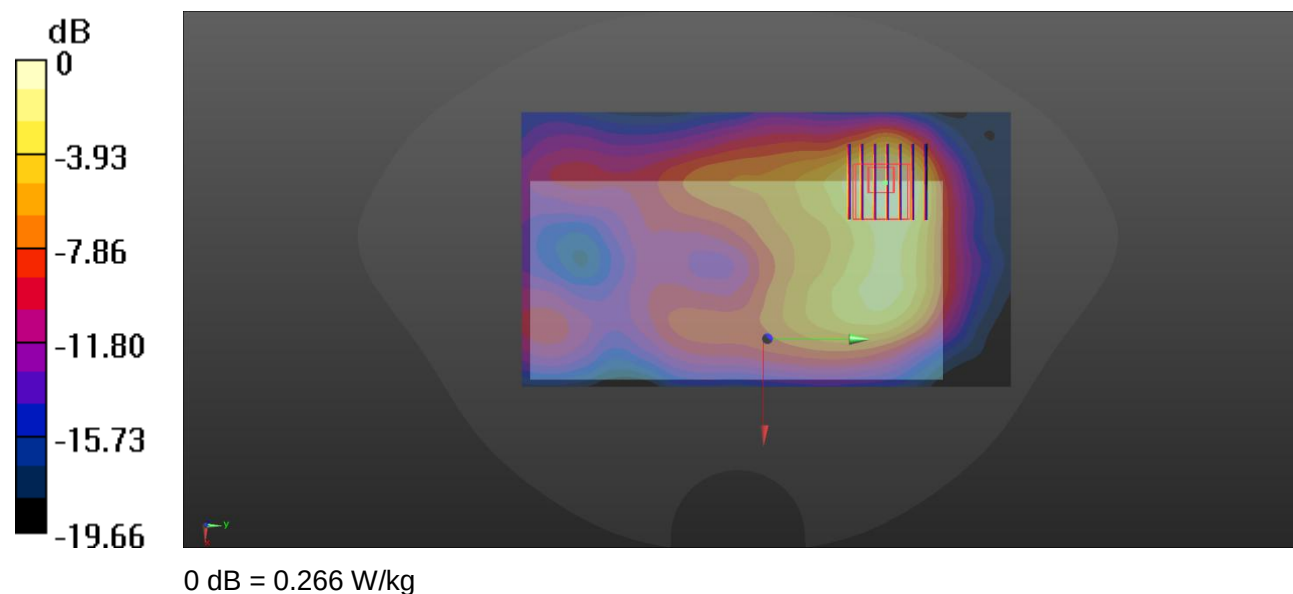
Peak SAR (extrapolated) = 0.361 W/kg

SAR(1 g) = 0.157 W/kg; SAR(10 g) = 0.080 W/kg

Smallest distance from peaks to all points 3 dB below = 9.5 mm

Ratio of SAR at M2 to SAR at M1 = 42.7%

Maximum value of SAR (measured) = 0.266 W/kg



Meas7.Head Left tilt WLAN 5.3G ch52 ANT13 S02

Date: 2026/3/16

Communication System Band: WLAN(n) 20Mhz; Frequency: 5260 MHz; Duty Cycle: 1:1.04

Medium parameters used: $f = 5260$ MHz; $\sigma = 4.636$ S/m; $\epsilon_r = 35.328$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Ambient Temperature:22.4°C Liquid Temperature:21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(4.85, 4.85, 4.85); Calibrated: 2025/4/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2025/4/21
- Phantom: Twin-SAM Right V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Ch52/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

Ch52/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 7.879 V/m; Power Drift = 0.10 dB

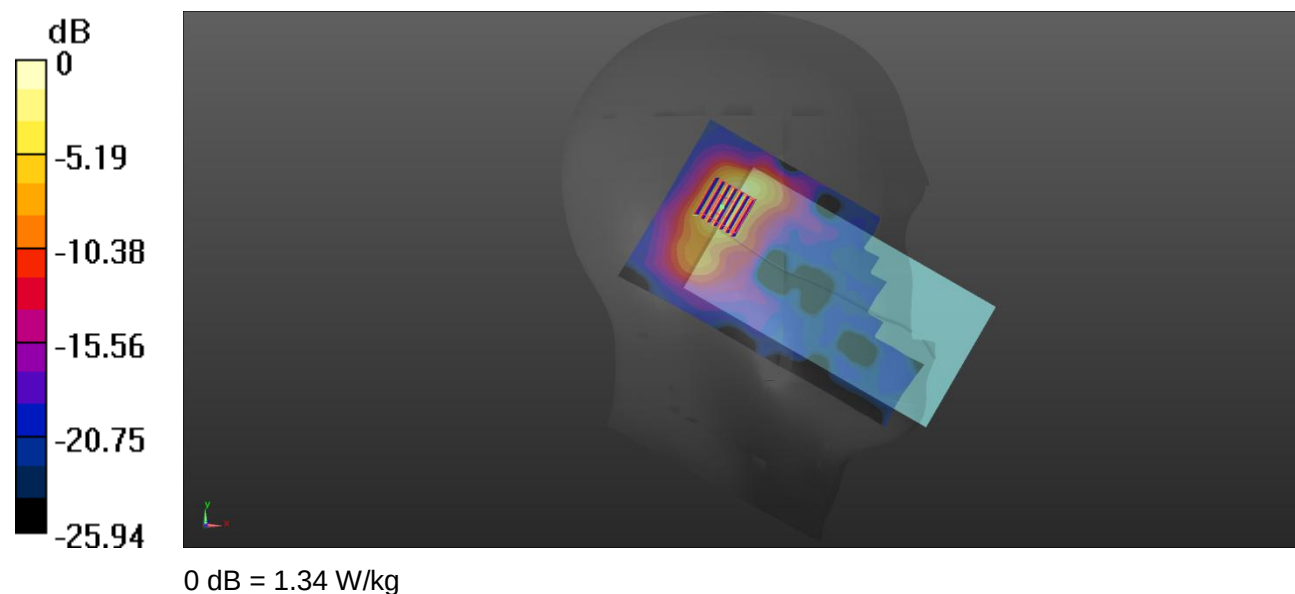
Peak SAR (extrapolated) = 2.29 W/kg

SAR(1 g) = 0.487 W/kg; SAR(10 g) = 0.164 W/kg

Smallest distance from peaks to all points 3 dB below = 6.5 mm

Ratio of SAR at M2 to SAR at M1 = 48.9%

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



Meas8.Head Left tilt WLAN 5.3G ch52 ANT13 S06

Date: 2026/3/16

Communication System Band: WLAN(n) 20Mhz; Frequency: 5260 MHz; Duty Cycle: 1:1.04

Medium parameters used: $f = 5260$ MHz; $\sigma = 4.636$ S/m; $\epsilon_r = 35.328$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Ambient Temperature:22.4°C Liquid Temperature:21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(4.85, 4.85, 4.85); Calibrated: 2025/4/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2025/4/21
- Phantom: Twin-SAM Right V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Ch52/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

Ch52/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 9.139 V/m; Power Drift = -0.05 dB

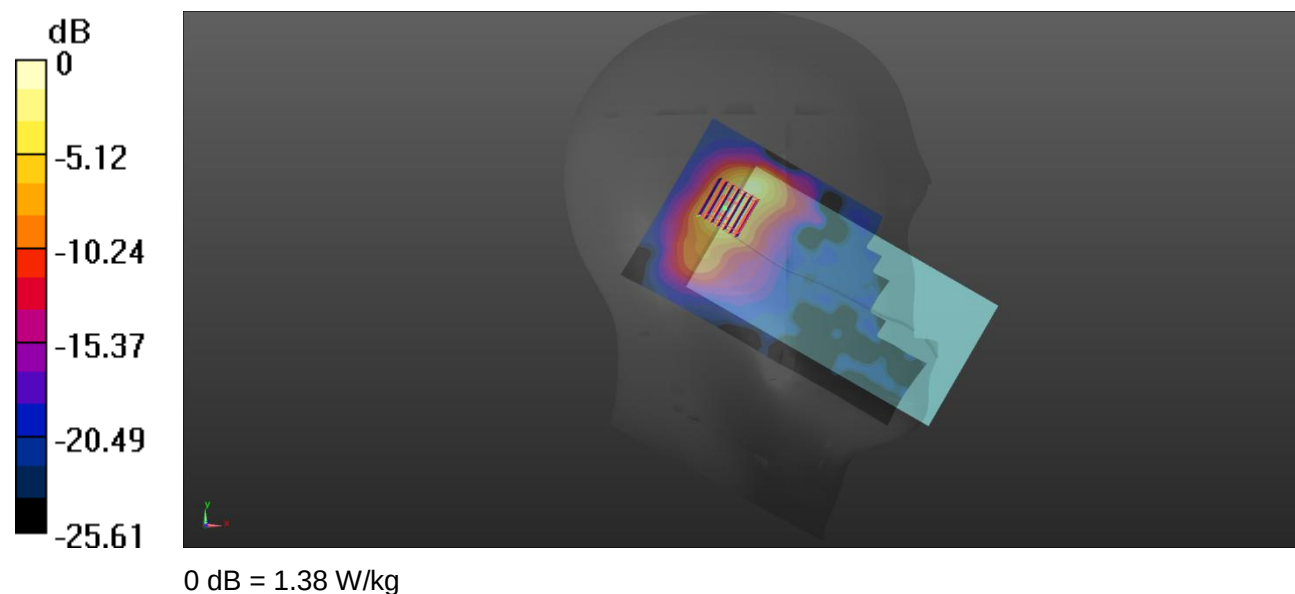
Peak SAR (extrapolated) = 2.30 W/kg

SAR(1 g) = 0.481 W/kg; SAR(10 g) = 0.16 W/kg

Smallest distance from peaks to all points 3 dB below = 6.5 mm

Ratio of SAR at M2 to SAR at M1 = 50%

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



ANNEX D EUT EXTERNAL PHOTOS

Please refer the document “Ti-CC26030163-AW.pdf”.

ANNEX E SAR TEST SETUP PHOTOS

Please refer the document “Ti-CC26030163-AS.pdf”.

ANNEX F CALIBRATION REPORT

Please refer the document “Ti-CC26030163-AC.pdf”.

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--END OF REPORT--