

Test report No:
NIE: 87658RAN.002A1

Partial Test report

IEEE Std 1528™-2013

(*) Identification of item tested	Headunit with Display and TP, USB, BT and WLAN
(*) Trademark	HARMAN
(*) Model and /or type reference tested	SPACE 4 BASE 1.2A (Attached Display)
(*) Other identification of the product	FCC ID : T8GSPACE4B12A IC : 6434A-SPACE4B12A HW version : PV SW version : 16
(*) Features	Bluetooth and WLAN
(*) Manufacturer	HARMAN BECKER AUTOMOTIVE SYSTEMS GMBH BECKER-GOERING-STR. 16; 76307 KARLSBAD GERMANYBECKER-GOERING-STR. 16; 76307 KARLSBAD GERMANY
Test method requested, standard	1. IEEE Std 1528™-2013. 2. FCC 47 CFR Part 2.1093.
Summary	Considering the results of the performed test, the item under test is IN COMPLIANCE with FCC 47CFR Part 2.1093 exposure limits. The maximum 1g volume averaged SAR for Body exposure condition found during this test have been 0.457 W/kg, for 802.11b mode. The maximum 10g volume averaged SAR for Extremity exposure condition found during this test have been 0.198 W/kg, for 802.11b mode.
Approved by (name / position & signature)	Manuel García Antennas Laboratory Manager 74862741H MANUEL GARCÍA (C:A29507456) Firmado digitalmente por 74862741H MANUEL GARCÍA (C:A29507456) Fecha: 2026.10.18 07:44:15 +02'00'
Date of issue	2026-10-18
Report template No	FAN44_03 (*) "Data provided by the client"



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Competences and guarantees

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DEKRA Testing and Certification is a FCC-recognized accredited testing laboratory with appropriate scope of accreditation that include testing performed in this test report.

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DEKRA Testing and Certification S.A.U. guarantees the reliability of the data presented in this report, which is the result of the measurements and the tests performed to the item under test on the date and under the conditions stated on the report and, it is based on the knowledge and technical facilities available at DEKRA Testing and Certification at the time of performance of the test.

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Uncertainty

Uncertainty (factor $k=2$) was calculated according to the following documents:

1. DEKRA Testing and Certification S.A.U. internal document PODT000.
2. FCC OET KDB 865664 D01 - SAR Measurement Requirements for 100 MHz to 6 GHz v01r04 (August 2015).

Data provided by the client

The following data has been provided by the client:

1. Information relating to the description of the sample ("Identification of the item tested", "Trademark", "Model and/or type reference tested", "Other identification of the product", "Features", "Manufacturer" and "Test sample description").
2. Maximum output power and distance information.

DEKRA Testing and Certification S.A.U. declines any responsibility with respect to the information provided by the client and that may affect the validity of results. The laboratory is not responsible for such information and it is not covered by accreditation.

Usage of samples

Samples undergoing test have been selected by: the client

Samples are composed of the following elements:

Sample	Control N°	Description	Model	Serial N°	Date of reception
S/01	84807_003.1	SPACE 4 BASE 1.2A (Conducted)	SPACE 4 BASE 1.2A	Z13167S283000108	2026-12-16
S/01	84807_009.1	USB Cable	--	--	2026-12-16
S/01	84807_024.1	Main HARNESS	--	--	2026-04-02
S/01	84807_147.1	PCB board (level shifter)	--	--	2026-03-20
S/02	84807_005.1	SPACE 4 BASE 1.1A (BIOS / Radiated unit)	SPACE 4 BASE 1.2A	Z131178283000097	2026-12-16
S/02	84807_009.1	USB Cable	--	--	2026-12-16
S/02	84807_024.1	Main HARNESS	--	--	2026-04-02
S/02	84807_147.1	PCB board (level shifter)	--	--	2026-03-20

1. Sample S/01 has undergone the test(s) specified in subclause "Test method requested": Conducted average output power.
2. Sample S/02 has undergone the test(s) specified in subclause "Test method requested": SAR evaluation for Wi-Fi modes.

Test sample description

Description of product	Headunit with Display and TP, USB, BT and WLAN	
Software version.....	16	
Hardware version	PV	
Mounting position	☐	Table top equipment
	☐	Wall/Ceiling mounted equipment
	☐	Equipment used next to the ear
	☐	Hand-held equipment

	[x]	Other: Body-worn device	
Accessories (not part of the test item)..... :	Description	Type	Manufacturer

Identification of the client

HARMAN BECKER AUTOMOTIVE SYSTEMS GMBH

BECKER-GOERING-STR. 16; 76307 KARLSBAD GERMANY
BECKER-GOERING-STR. 16; 76307 KARLSBAD GERMANY

Testing period and place

Test Location	DEKRA Testing and Certification S.A.U.
Date (start)	2026-06-18
Date (finish)	2026-07-09

Document history

Report number	Date	Description
87658RAN.002	2026-07-21	First release
87658RAN.002A1	2026-10-18	Second release. The incorrect SAR value for 2.4 GHz inherited from the parent variant has been corrected. The Bluetooth exclusion evaluation now references RF Exposure Report 87658RAN.004. This test report cancels and replaces test report 87658RAN.002.

Environmental conditions

Date	Max. Temp. °C	Min. Temp. °C	Max. Hum. %	Min. Hum. %	Limit
From 2026-06-18 to 2026-06-22	23.66	20.01	69.78	46.68	18-25 °C, 30-70%
From 2026-07-08 to 2026-07-09	22.57	20.22	51.00	40.22	18-25 °C, 30-70%

Remarks and comments

1. Testing of Bluetooth mode is not required according to FCC OET KDB D01 General RF Exposure Guidance v06, paragraph "4.3.1. Standalone SAR test exclusion considerations".
2. Only the plots of the highest SAR for each test position and mode/band are included in appendix C.
3. The tests have been performed by the technical personnel: Ismael Gamarro, Christian Hernández and Víctor López.
4. A spot check has been performed on the SPACE 4 BASE 1.2A based on SAR worst-cases results obtained from the SPACE 4 BASE 1.1A, which results are stated in SAR test report 80708RAN.003A1.
5. The instrumentation utilized to perform the tests covered in this test report is listed in the following table:

DEKRA Control Number	Equipment	S/N
04482	Vector Network Analyzer, Agilent Technologies model N9923A FieldFox	US49470126
09448	Dielectric probe kit, SPEAG model DAK-3.5	1329
04859	DAK software, SPEAG model DAK V1.10.325.10	-
10729	Dosimetric E-field Probe, SPEAG model EX3DV4	7875
10897	Data acquisition device, SPEAG model DAE4	1837
03526	Mounting Device for Laptops and Body-Worn Transmitters, SPEAG model LH1 001 AC	-
09168	Oval flat phantom, SPEAG model ELI4 V8.0	-
08902	Electro-optical converter, SPEAG model EOCip-60	
08867	Robot, Stäubli model TX60L	F15/5Z0NB1/A
08894	Robot controller, Stäubli model CS8C	F15/5Z0NB1/C/01
08895	Measurement server, SPEAG model DASY6 SE UMS 028 CA	-
08898	SAR measurement software, SPEAG model cDASY6	-
09449	Head Tissue Equivalent Liquid for 0.6-10 GHz, SPEAG model HBBL600-10000V6	-
03429	Dipole validation kit 2450 MHz, SPEAG model D2450V2	756
03524	Dipole Validation Kit 5 GHz	1071.
03346	Signal RF Generator, R&S model SMU200A	102234
03630	Dual directional coupler, NARDA model 4227-16	02953
04392	Power sensor, Agilent model E9300A	SG41491189
04391	Power sensor, Agilent model E9300A	SG41491203
04393	Dual Power meter, Agilent model E4419B	MY45103349
04164	Power Sensor 50 MHz-18GHz, R&S model NRP-Z81	100527
02402	20 dB Attenuator, WEINSCHEL model 75A-20-11	902
02216	Power Divider, PICOSECOND PULSE LABS model 5333-104	236310 1504
04170	Digital thermometer, LKM Electronics model DTM3000-SpezialL	2989
03453	Temperature and humidity probe, Pico Technology model HUMIDIPROBE	UAL02/077

6. References

The tests documented in this report were performed in accordance with FCC 47 CFR § 2.1093 and the following FCC Published RF exposure KDB procedures:

- FCC OET KDB 447498 D01 General RF Exposure Guidance v06 (October 2015).
- FCC OET KDB 865664 D01 - SAR Measurement Requirements for 100 MHz to 6 GHz v01r04 (August 2015).
- FCC OET KDB 865664 D02 RF Exposure Reporting v01r02 (October 2015).
- FCC OET KDB 248227 D01 802.11 Wi-Fi SAR v02r02 (October 2015).

Testing verdicts

Not applicable :	N/A
Pass :	P
Fail :	F
Not measured :	N/M

Summary

FCC 47CFR Part 2.1093	VERDICT			
	N/A	P	F	N/M
802.11b/g/n		P		
802.11a/n/ac		P		

Appendix A: Test configuration

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1. GENERAL INTRODUCTION

1.1. Application Standard

The Federal Communications Commission (FCC) sets the limits for General Population/Uncontrolled exposure to radio frequency electromagnetic fields for transmitting devices designed to be used within 20 centimetres of the body of the user under FCC 47 CFR Part 2.1093 - "Radiofrequency radiation exposure evaluation: portable devices", paragraph (d)(2).

1.2. General requirements

The SAR measurement has been performed continuing the following considerations and environment conditions:

The ambient temperature shall be in the range of 18°C to 25°C and the variation shall not exceed +/-2°C during the test.

The ambient humidity shall be in the range of and 30% - 70%.

The device battery shall be fully charged before each measurement.

1.3. Measurement system requirements

The measurement system used for SAR tests fulfills the procedural and technical requirements described at the reference standards used.

1.4. Phantom requirements

The phantom model for body measurements is an elliptical open-top container with a flat bottom, with the following shape and dimensions:

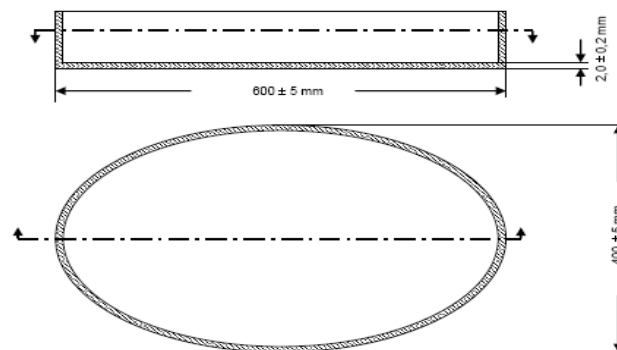


Figure 1: Proportions and shape of Phantom shell

1.5. Measurement Liquids requirements

The liquids used to simulate the human tissues, must fulfill the requirements of the dielectric properties required. These target dielectric properties are indicated into FCC OET KDB 865664 D01 Appendix A.

Frequency (MHz)	Head		Body	
	ϵ_r	σ (S/m)	ϵ_r	σ (S/m)
450	43.5	0.87	56.7	0.94
835	41.5	0.90	55.2	0.97
900	41.5	0.97	55.0	1.05
915	41.5	0.98	55.0	1.06
1450	40.5	1.20	54.0	1.30
1610	40.3	1.29	53.8	1.40
1800-2000	40.0	1.40	53.3	1.52
2450	39.2	1.80	52.7	1.95
3000	38.5	2.40	52.0	2.73

Frequency (MHz)	Head		Body	
	ϵ_r	σ (S/m)	ϵ_r	σ (S/m)
5800	35.3	5.27	48.2	6.00

Table 1: Liquid material requirements

To minimize the effect of reflections on peak spatial-average SAR values, from the upper surface of the tissue equivalent liquid, the depth of the liquid should be at least 15 cm.

Dielectric properties values of the Tissue Simulant Liquids used for SAR measurements are included in Appendix B, Section 3, of this document.

2. MEASUREMENT SYSTEM

2.1. Measurement System

The DASY6 system for performing compliance tests consists of the following items:

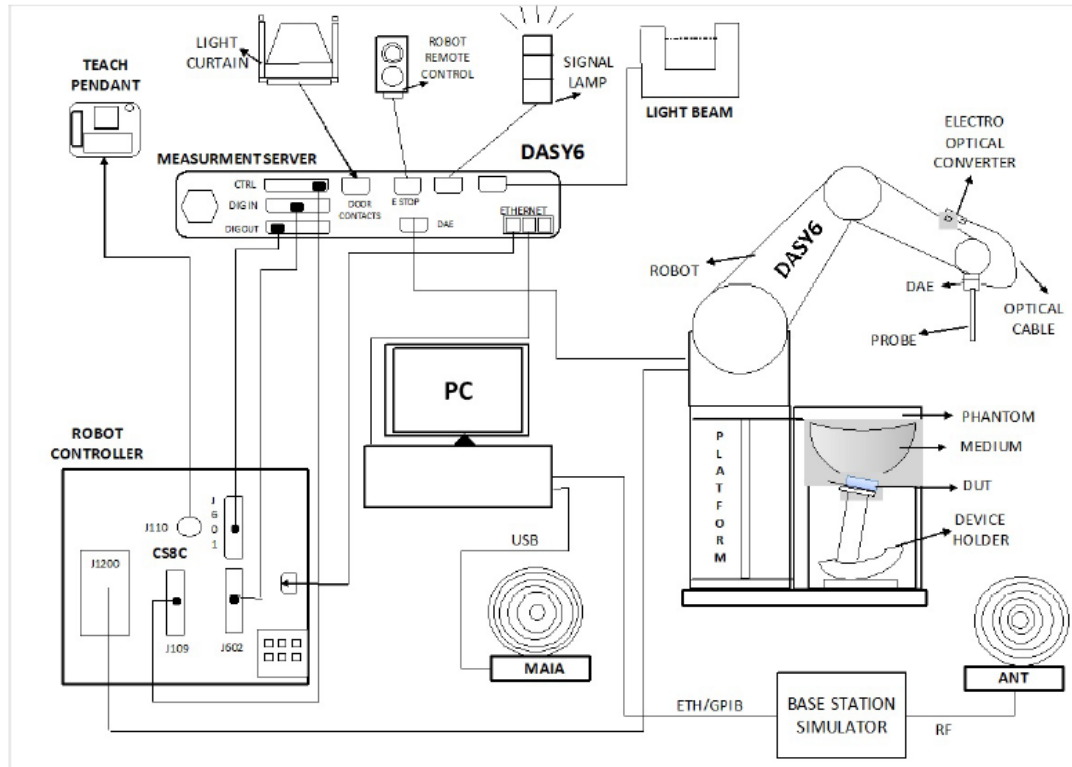


Figure 2: DASY 6 SAR Measurement system

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

	Model	EX3DV4
	Construction	Symmetrical design with triangular core. Built-in shielding against static charges. PEEK enclosure material (resistant to organic solvents, e.g., DGBE).
	Frequency	10 MHz to > 6 GHz; Linearity: ± 0.2 dB (30 MHz to 6 GHz)
	Directivity	± 0.3 dB in TSL (rotation around probe axis) ± 0.5 dB in TSL (rotation normal to probe axis)
	Dynamic Range	10 μ W/g to > 100 mW/g Linearity: ± 0.2 dB (noise: typically < 1 μ W/g)
	Dimensions	Overall length: 337 mm (Tip: 20 mm) Tip diameter: 2.5 mm (Body: 12 mm) Typical distance from probe tip to dipole centers: 1.0 mm

	Model	DAE4
	Construction	Signal amplifier, multiplexer, A/D converter, and control logic. Serial optical link communication with DASY4/5 embedded system (fully remote controlled). Two-step probe touch detector for mechanical surface detection and emergency robot stop.
	Measurement Range	-100 to +300 mV (16 bit resolution and two range settings: 4mV, 400mV)
	Input Offset Voltage	< 5 μ V (with auto zero)
	Input Resistance	200 MOhm
	Input Bias Current	< 50 fA

	Model	ELI
	Construction	Phantom for compliance testing of handheld and body-mounted wireless devices in the frequency range of 30 MHz to 6 GHz. ELI is fully compatible with the IEC 62209-2 standard and all known tissue simulating liquids. ELI has been optimized regarding its performance and can be integrated into our standard phantom tables. A cover prevents evaporation of the liquid. Reference markings on the phantom allow installation of the complete setup, including all predefined phantom positions and measurement grids, by teaching three points. The phantom is compatible with all SPEAG dosimetric probes and dipoles.
	Material	Vinylester, glass fiber reinforced (VE-GF)
	Liquid Compatibility	Compatible with all SPEAG tissue simulating liquids (incl. DGBE type)
	Shell Thickness	2 $\pm$ 0.2 mm (bottom plate)
	Dimensions	Major axis: 600 mm, Minor axis: 400 mm
	Filling Volume	Approx. 30 liters
	Wooden Support	SPEAG standard phantom table

	Model	Mounting Device for Laptop and Body-Worn Transmitters
	Construction	In combination with the Twin SAM V5.0/V5.0c or ELI Phantoms, the Mounting Device (Body-worn) enables testing of transmitters devices according to IEC 62209-2 specifications. The device holder can be locked for positioning at flat phantom section.
	Material	Polyoxymethylene (POM), PET-G, Foam

	Model	System Validations Kits 450 MHz – 6 GHz		
	Construction	Symmetrical dipole with I/4 balun. Enables measurement of feedpoint impedance with NWA. Matched for use near flat phantoms filled with tissue simulating solutions.		
	Frequency	450 MHz to 5800 MHz		
	Return Loss	20 dB at specified validation position		
	Dimensions (length and overall height in mm)	Product	Dipole length	Overall height
		D450V3	290.0	330.0
		D750V3	179.0	330.0
		D900V2	148.5	340.0
		D1800V2	72.5	300.0
		D2000V2	65.0	300.0
		D2300V2	56.3	290.0
		D2450V2	52.0	290.0
		D2600V2	49.2	290.0
		D3300V2	38.0	285.0
		D3500V2	37.0	285.0
		D3700V2	34.7	285.0
		D3900V2	32.0	280.0
		D4200V2	30.1	280.0
		D4600V2	27.0	280.0
		D4900V2	25.0	280.0
		D5GHzV2	20.6	300.0

2.2. Device Holder

The SAR in the phantom is approximately inversely proportional to the square of the distance between the source and the liquid surface. For a source in 5mm distance, a positioning uncertainty of $\pm 0.5\text{mm}$ would produce a SAR uncertainty of $\pm 20\%$. An accurate device positioning is therefore crucial for accurate and repeatable measurements. The positions, in which the devices must be measured, are defined by the standards.

The DASY Laptop Holder extension is lightweight and made of POM, PET-G acrylic glass and foam. It fits easily on the upper part of the Mounting Device in place of the phone positioner. The extension is fully compatible with the Twin-SAM and ELI phantoms.

2.3. Test Positions of device relative to body

The device under test consists of a Headunit with Display and Touch panel (TP), which will be installed on a motorcycle front panel in a fixed position. This unit is designed for automotive usage and supports the following features: Bluetooth and WLAN.

For extremity and body exposure conditions, each face of the DUT has been measured place against the flat phantom with a test separation distance of 0 mm, except for the back position, which is not accessible to the end user.

2.4. Test to be performed

Test has been performed on each worst-case exposure condition, body and extremity, using the position where the maximum SAR has been found in the fully tested SPACE 4 BASE 1.1A.

- Measurements for body exposure condition:
 - SAR measurement with front face of the DUT with a separation distance of 0 mm from the phantom.
- Measurements for extremity exposure condition:
 - SAR measurement with front face of the DUT with a separation distance of 0 mm from the phantom.

2.5. Description of interpolation/extrapolation scheme

The local SAR inside the Phantom is measured using small dipole sensing elements inside a probe element. The probe tip must not be in contact with the Phantoms surface in order to minimise measurement errors, but the highest local SAR is obtained from measurements at a certain distance from the shell through extrapolation. The accurate assessment of the maximum SAR averaged over 10 gr. requires a very fine resolution in the three-dimensional scanned data array. Since the measurements have to be performed over a limited time, the measured data have to be interpolated to provide an array of sufficient resolution.

The interpolation of 2D area scan is used after the initial area scan, at a fixed distance from the Phantom shell wall. The initial scan data is collected with approx. 15 mm spatial resolution and this interpolation is used to find the location of the local maximum for positioning the subsequent 3D scanning within a 1mm resolution.

For the 3D scan, data is collected on a spatially regular 3D grid having 5 mm steps in both directions. After the data collection by the SAR probe, the data are extrapolated in the depth direction to assign values to points in the 3D array closer to the shell wall. A notional extrapolation value is also assigned to the first point outside the shell wall so that subsequent interpolation schemes will be applicable right up to the shell wall boundary.

2.6. Determination of the largest peak spatial-average SAR

To determine the maximum value of the peak spatial-average SAR of a DUT, all device positions, configurations and operational modes should be tested for each frequency band.

The averaging volume shall be chosen as 1gr. of contiguous tissue. The cubic volumes, over which the SAR measurements are averaged after extrapolation and interpolation, are chosen in order to include the highest values of local SAR.

The maximum SAR level for the DUT will be the maximum level obtained of the performed measurements indicated in the previous points.

2.7. System Check

Prior to the SAR measurements, system verification is done to verify the system accuracy. As IEEE 1528-2013, Annex paragraph 8.2.1 "System Check - Purpose" specifies, a complete SAR evaluation is done using a half-wavelength dipole as source with the frequency of the mid-band channel of the operating band, or within 10% of this channel, whichever is greater.

The measured 1 gr. and 10 gr. SAR should be within 10% of the expected target values specified in the calibration certificate of the dipole, for the specific tissue and frequency used.

3. UNCERTAINTY

According to FCC OET KDB 865664 D01, if the highest measured 1-g SAR is < 1.5 W/kg, SAR measurement uncertainty analysis is not required to be included into SAR report, but it has been included for ISO 17025 accreditation.

Uncertainty for 300 MHz – 3 GHz

ERROR SOURCES (source of uncertainty)	Uncertainty value (%)	Prob. Dist.	Div.	<i>c_i</i> (1g)	<i>c_i</i> (10g)	Standard uncertainty (1g) (%)	Standard uncertainty (10g) (%)
Measurement Equipment							
Probe Calibration	13.30%	N	2	1	1	6.65%	6.65%
Probe calibration drift	1.70%	R	√3	1	1	0.98%	0.98%
Axial Isotropy	4.70%	R	√3	0.7	0.7	1.90%	1.90%
Hemisfericall Isotropy	9.60%	R	√3	0.7	0.7	3.88%	3.88%
Boundary effect	1.00%	R	√3	1	1	0.58%	0.58%
Linearity	4.70%	R	√3	1	1	2.71%	2.71%
System Detection limits	0.25%	R	√3	1	1	0.14%	0.14%
Probe modulation response	4.80%	N	1	1	1	4.80%	4.80%
Readout electronics	0.30%	N	1	1	1	0.30%	0.30%
Response time	1.01%	R	√3	1	1	0.58%	0.58%
Integration time	2.60%	R	√3	1	1	1.50%	1.50%
RF Ambient noise	3.00%	R	√3	1	1	1.73%	1.73%
RF Ambient reflections	3.00%	R	√3	1	1	1.73%	1.73%
Probe positioner mech. restrictions	0.40%	R	√3	1	1	0.23%	0.23%
Probe positioning with respect to phantom shell	2.90%	R	√3	1	1	1.67%	1.67%
Max. SAR Eval.	2.00%	R	√3	1	1	1.15%	1.15%
Test Sample Related							
Device holder uncertainty	3.60%	N	1	1	1	3.60%	3.60%
Test sample positioning	2.90%	N	1	1	1	2.90%	2.90%
Drift of output power	2.50%	N	1	1	1	2.50%	2.50%
System Validation source (dipole)							
Deviation of experimental dipole from numerical dipole	0.00%	N	1	0	0	0.00%	0.00%
Input power and SAR drift measurement	2.00%	R	√3	1	1	1.15%	1.15%
Dipole axis to liquid distance	3.40%	R	√3	1	1	1.96%	1.96%
Phantom and Setup							
Phantom uncertainty (shape and thickness tolerances)	6.10%	R	√3	1	1	3.52%	3.52%
Algorithm for correcting SAR for deviations in permittivity and conductivity	1.90%	N	1	1	0.84	1.90%	1.60%
Liquid conductivity (meas.)	3.57%	N	1	0.78	0.71	2.79%	2.54%
Liquid permittivity (meas.)	3.57%	N	1	0.26	0.26	0.93%	0.93%
Liquid conductivity – temperature uncertainty	2.30%	R	√3	0.78	0.71	1.04%	0.94%
Liquid permittivity – temperature uncertainty	0.36%	R	√3	0.23	0.26	0.05%	0.05%
Combined standard uncertainty (Validation antenna)	$u_c = \sqrt{\sum_{i=1}^m c_i^2 \cdot u_i^2}$					9.88%	9.75%
Expanded uncertainty (confidence interval of 95%)	$u_e = 2.00 u_c$					19.77%	19.51%
Combined standard uncertainty (DUT)	$u_c = \sqrt{\sum_{i=1}^m c_i^2 \cdot u_i^2}$					12.68%	12.58%
Expanded uncertainty (confidence interval of 95%)	$u_e = 2.00 u_c$					25.36%	25.16%

Table 2: Uncertainty Assessment for 300 MHz - 3 GHz.

Uncertainty for 3 GHz – 6 GHz

ERROR SOURCES (source of uncertainty)	Uncertainty value (%)	Prob. Dist.	Div.	ci (1g)	ci (10g)	Standard uncertainty (1g) (%)	Standard uncertainty (10g) (%)
Measurement Equipment							
Probe Calibration	13.10%	N	2	1	1	6.55%	6.55%
Probe calibration drift	1.70%	R	√3	1	1	0.98%	0.98%
Axial Isotropy	4.70%	R	√3	0.7	0.7	1.90%	1.90%
Hemisfericall Isotropy	9.60%	R	√3	0.7	0.7	3.88%	3.88%
Boundary effect	2.00%	R	√3	1	1	1.15%	1.15%
Linearity	4.70%	R	√3	1	1	2.71%	2.71%
System Detection limits	0.25%	R	√3	1	1	0.14%	0.14%
Probe modulation response	4.80%	N	1	1	1	4.80%	4.80%
Readout electronics	0.30%	N	1	1	1	0.30%	0.30%
Response time	1.01%	R	√3	1	1	0.58%	0.58%
Integration time	2.60%	R	√3	1	1	1.50%	1.50%
RF Ambient noise	3.00%	R	√3	1	1	1.73%	1.73%
RF Ambient reflections	3.00%	R	√3	1	1	1.73%	1.73%
Probe positioner mech. restrictions	0.40%	R	√3	1	1	0.23%	0.23%
Probe positioning with respect to phantom shell	6.70%	R	√3	1	1	3.87%	3.87%
Max. SAR Eval.	4.00%	R	√3	1	1	2.31%	2.31%
Test Sample Related							
Device holder uncertainty	3.60%	N	1	1	1	3.60%	3.60%
Test sample positioning	2.90%	N	1	1	1	2.90%	2.90%
Drift of output power	2.50%	N	1	1	1	2.50%	2.50%
System Validation source (dipole)							
Deviation of experimental dipole from numerical dipole	0.00%	N	1	0	0	0.00%	0.00%
Input power and SAR drift measurement	2.00%	R	√3	1	1	1.15%	1.15%
Dipole axis to liquid distance	3.40%	R	√3	1	1	1.96%	1.96%
Phantom and Setup							
Phantom uncertainty (shape and thickness tolerances)	6.60%	R	√3	1	1	3.81%	3.81%
Algorithm for correcting SAR for deviations in permittivity and conductivity	1.90%	N	1	1	0.84	1.90%	1.60%
Liquid conductivity (meas.)	3.57%	N	1	0.78	0.71	2.79%	2.54%
Liquid permittivity (meas.)	3.57%	N	1	0.26	0.26	0.93%	0.93%
Liquid conductivity – temperature uncertainty	3.36%	R	√3	0.78	0.71	1.51%	1.38%
Liquid permittivity – temperature uncertainty	0.40%	R	√3	0.23	0.26	0.05%	0.06%
Combined standard uncertainty (Validation antenna)	$u_c = \sqrt{\sum_{i=1}^m c_i^2 \cdot u_i^2}$					10.81%	10.68%
Expanded uncertainty (confidence interval of 95%)	$u_e = 2.00 u_c$					21.62%	21.36%
Combined standard uncertainty (DUT)	$u_c = \sqrt{\sum_{i=1}^m c_i^2 \cdot u_i^2}$					13.42%	13.31%
Expanded uncertainty (confidence interval of 95%)	$u_e = 2.00 u_c$					26.83%	26.62%

Table 3: Uncertainty Assessment for 3 GHz – 6GHz.

4. SAR LIMIT

Having a worst-case measurement, the SAR limit is valid for general population/uncontrolled exposure.

The SAR values have to be averaged over a mass of 1 gr. (SAR 1 gr.) with the shape of a cube and averaged over a mass of 10 gr (Extremity SAR 10 gr). These levels could not exceed the values indicated in the application Standard:

Standard	Exposure	SAR	SAR Limit (W/kg)
FCC 47 CFR Part 1.1310, Paragraph (c)	General population/Uncontrolled	SAR 1-g.	1.6
FCC 47 CFR Part 1.1310, Paragraph (c)	General population/Uncontrolled Extremity	SAR 10-g.	4.0

Table 4: SAR limit

5. DEVICE UNDER TEST

5.1. Dimensions

Dimensions	Millimetres
Width x Height x Depth	215 x 145 x 55

Table 5: DUT dimensions

5.2. Wireless Technology

Wireless Technology	Frequency Bands	Modes	Duty Cycle used for SAR testing
Wi-Fi	2.4 GHz	- 802.11b/g/n (20 MHz)	- 802.11b/g/n (20 MHz): 97 %
	5 GHz	- 802.11a/n/ac (20 MHz) - 802.11a/n/ac (40 MHz) - 802.11ac (80 MHz)	- 802.11a/n/ac (20 MHz): 80 % - 802.11a/n/ac (40 MHz): 80 % - 802.11ac (80 MHz): 80 %
Bluetooth	2.4 GHz	- Bluetooth	SAR Low-Power Exclusion compliant

Table 6: Supported modes

5.3. Simultaneous Transmission

Simultaneous transmission evaluation was performed in the test report 80708RAN.004A1.

5.4. Antenna Location

See the "Antenna Location" pictures in Appendix F for more details

Appendix B: Test results

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 - 5.1. WLAN24

1. TEST CONDITIONS

1.1. Power supply (V):

$V_n = 12.0 \text{ V}$

Type of power supply = DC Voltage from power supply.

1.2. Temperature (°C):

$T_n = +20.00 \text{ to } +25.00$

The subscript n indicates normal test conditions.

1.3. DUT information and test-site configurations

For extremity and body exposure conditions, each face of the DUT has been measured place against the flat phantom with a test separation distance of 0 mm, except for the back position, which is not accessible to the end user.

1.4. Test signal, Output Power and Frequencies

For the 802.11a/b/g/n/ac modes, the device was put into operation by using a proprietary test mode with test commands supplied by the manufacturer, setting the maximum output power for each mode. The duty cycle was set to maximum (aprox. 100%).

In all operating bands and test positions, the measurements were performed using the channel producing the highest rated output power.

In each band, for those positions where the maximum averaged SAR was found, measurements were performed on the other applicable test frequency channels except those with applicable test reductions.

The actual SAR sample does not have accessible antenna connectors for conducted measurements, so the conducted average output power was measured using others identical samples (S/01) provided by the manufacturer with auxiliary external connectors that make the measurements representative and applicable for all the tested samples. See 'usage of samples' paragraph of this report.

The maximum conducted time-averaged power of the device for each mode was measured with a power sensor R&S NRP-Z81.

The target power alignments, including tune-up tolerance, for RF components declared by the manufacturer for each supported technology are:

Maximum Output Power (dBm)			
Band	802.11a	802.11n20/n40	802.11ac40/ac80
UNII-1	9.3	9.3	9.3
UNII-3	9.3	9.3	9.3

Maximum Output Power (dBm)	
Band	802.11 b/g/n
2.4 GHz	15.4

2. CONDUCTED AVERAGE POWER MEASUREMENTS

2.1. WLAN

Module port	TX Configuration	WLAN Mode	Band	Bandwidth (MHz)	Channel	Frequency (MHz)	Data Rate	Average Output Power (dBm)
1	SISO	802.11b	2.4 GHz	20.00	1.0	2412.00	1 Mbps	14.28
1	SISO	802.11ac	U-NII-1	40.00	38.0	5190.00	VHT0	7.85
1	SISO	802.11ac	U-NII-3	20.00	149.0	5745.00	VHT0	8.11
1	SISO	802.11n	U-NII-3	20.00	149.0	5745.00	VHT0	7.98

2.2. BLUETOOTH

Bluetooth evaluation is exempted for SAR measurements and the RF exposure evaluation has been performed in the test report 87658RAN.004.

3. TISSUE PARAMETERS MEASUREMENTS

Frequency (MHz)	Target Head Tissue		Measured Head Tissue		Deviation %		Measured Date
	Permittivity ϵ	Conductivity σ [S/m]	Permittivity ϵ	Conductivity σ [S/m]	Permittivity ϵ	Conductivity σ [S/m]	
2450	39.20	1.80	36.11	1.70	-7.88	-5.42	2026-06-22
5200	36.00	4.66	33.39	4.89	-7.23	5.12	2026-06-18
5800	35.30	5.27	32.47	5.56	-8.01	5.55	2026-06-18
5800	35.30	5.27	33.57	5.40	-4.90	2.49	2026-07-08

Note: The dielectric properties have been measured by the contact probe method at 22° C.

DASY5 and DASY6 measurement systems have a SAR error compensation algorithm to automatically compensate the measured SAR results for deviations between the measured and required tissue dielectric parameters, so the tolerance for ϵ and σ may be relaxed to $\pm 10\%$.

- Composition / Information on ingredients

Head Tissue Simulation Liquids HBBL600-6000V6

Aqueous solution with surfactants and inhibitors, exact percentage concentration of components is withheld as a trade secret by the manufacturer. Contains:

Ehtanediol	<5.2 %
Sodium petroleum sulfonate	<2.9 %
Hexylene Glycol / 2 – Methyl-pentane-2,4-diol	<2.9 %
Alkoxylated alcohol, > C ₁₆	<2.0 %

4. SYSTEM CHECK MEASUREMENTS

Execution Date	Frequency (MHz)	Exposure Conditions	SAR over	Fast SAR (W/Kg)	SAR (W/Kg)	1 W Target SAR (W/Kg)	1 W Nor. SAR (W/Kg)	Drift (%)
2026-06-18	5250	Head	1-g	7.43	8.47	80.50	84.70	5.22
2026-06-18	5250	Head	10-g	2.29	2.44	22.90	24.40	6.55
2026-06-18	5800	Head	1-g	7.75	8.70	75.70	82.70	9.25
2026-06-18	5800	Head	10-g	2.36	2.49	22.16	23.67	6.81
2026-06-22	2450	Head	1-g	7.75	8.70	81.70	87.00	6.49
2026-06-22	2450	Head	10-g	2.36	2.49	23.20	24.90	7.33
2026-07-08	5800	Head	1-g	7.14	8.02	75.70	80.20	5.94
2026-07-08	5800	Head	10-g	2.12	2.28	22.16	22.80	2.89

5. WLAN MEASUREMENT RESULTS FOR SAR (SPECIFIC ABSORPTION RATE)

5.1. WLAN

Band	Ant.	TX Config	Expos. Cond.	Mode	BW (MHz)	Pos.	Dist (mm)	Ch.	Freq. (MHz)	Estim. SAR 1-g (W/kg)	SAR 1-g (W/kg)	Estim. SAR 10-g (W/kg)	SAR 10-g (W/kg)	Power Drift (%)	Scale factor	Report. SAR 1-g (W/kg)	Limit SAR 1-g (W/kg)	Report. SAR 10-g (W/kg)	Limit SAR 10-g (W/kg)	Verdict	Plot No.
2.4 GHz	1	SISO	Body and Extremity	802.11 b	20	Front Face	0	1	2412.00	0.338	0.353	0.161	0.153	-0.230	1.294	0.457	1.600	0.198	4.000	Pass	1
U-NII-1	1	SISO	Body and Extremity	802.11 ac	40	Front Face	0	38	5190.00	0.196	0.218	0.051	0.047	0.350	1.400	0.304	1.600	0.066	4.000	Pass	2
U-NII-3	1	SISO	Extremity	802.11n	20	Front Face	0	149	5745.00	0.261	0.308	0.074	0.078	2.570	1.360	0.417	1.600	0.106	4.000	Pass	3
U-NII-3	1	SISO	Body	802.11 ac	20	Front Face	0	149	5745.00	0.202	0.240	0.044	0.047	1.160	1.320	0.316	1.600	0.062	4.000	Pass	4

The SAR measurements for the SPACE 4 BASE 1.2A, using the worst-case SAR measurements on the SPACE 4 BASE 1.1A are lower or inside SAR measurement uncertainty than those for the SPACE 4 BASE 1.1A, as shown in the following table:

Band	Ant.	TX Config	Expos. Cond.	Mode	BW (MHz)	Pos.	Dist (mm)	Ch.	Freq. (MHz)	Estim. SAR 1-g (W/kg)	SAR 1-g (W/kg)	Estim. SAR 10-g (W/kg)	SAR 10-g (W/kg)	Power Drift (%)	Scale factor	Report. SAR 1-g (W/kg)	Limit SAR 1-g (W/kg)	Report. SAR 10-g (W/kg)	Limit SAR 10-g (W/kg)	Verdict	Plot No.
2.4 GHz	1	SISO	Body and Extremity	802.11 b	20	Front Face	0	1	2412.00	0.399	0.407	0.178	0.163	-0.917	1.462	0.595	1.600	0.238	4.000	Pass	1
U-NII-1	1	SISO	Body and Extremity	802.11 ac	40	Front Face	0	38	5190.00	0.205	0.227	0.060	0.056	0.346	1.959	0.445	1.600	0.110	4.000	Pass	2
U-NII-3	1	SISO	Extremity	802.11n	20	Front Face	0	149	5745.00	0.240	0.379	0.058	0.080	-1.938	1.472	0.558	1.600	0.177	4.000	Pass	3
U-NII-3	1	SISO	Body	802.11 ac	20	Front Face	0	149	5745.00	0.234	0.356	0.064	0.071	2.212	1.679	0.596	1.600	0.107	4.000	Pass	4

*All related plots can be found in the SAR test report 80807RAN.003A1.

Appendix C: Measurement report

Plot Nº1

Measurement Report for SPACE 4 1.2A, FRONT, WLAN 2.4GHz, UID 10012 CAB, Channel 1 (2412.0MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
SPACE 4 1.2A, HARMAN	145.0 x 215.0 x 55.0		TCU

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 0.00	WLAN 2.4GHz	WLAN, 10012-CAB	2412.0, 1	7.15	1.68	36.2

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2158	HBBL600-10000V6 - 2450MHz - 2026- 06-22 , --	EX3DV4 - SN7875, 2025-12-09	DAE4ip Sn1837, 2025-12-03

Scan Setup

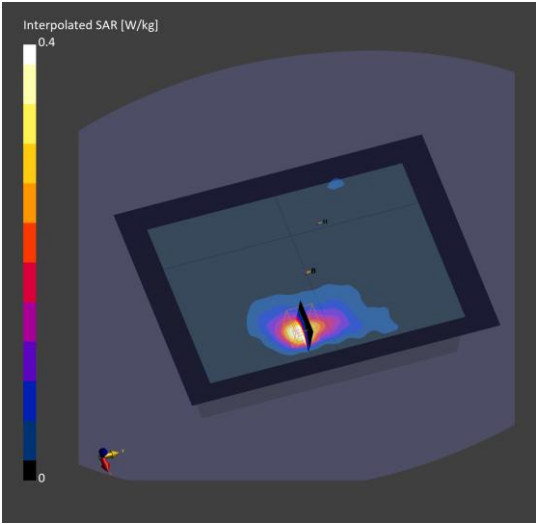
	Area Scan	Zoom Scan
Grid Extents [mm]	260.0 x 180.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	n/a	Yes
Grading Ratio	n/a	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-22, 14:52	2026-06-22, 14:59
psSAR1g [W/kg]	0.338	0.353
psSAR10g [W/kg]	0.161	0.153
Power Drift [dB]	-0.03	0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive only	Positive only
M2/M1 [%]		73.4
Dist 3dB Peak [mm]		7.7

Warning(s) / Error(s)

Details	Area Scan	Zoom Scan
Warning(s)		
Error(s)		



Plot Nº2

Measurement Report for SPACE 4 1.2A, FRONT, U-NII-1, U-NII-2A, UID 10534 AAC, Channel 38 (5190.0MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
SPACE 4 1.2A, HARMAN	145.0 x 215.0 x 55.0		TCU

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 0.00	U-NII-1, U- NII-2A	WLAN, 10534-AAC	5190.0, 38	5.56	4.88	33.4

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2158	HBBL600-10000V6 - 5250-5800MHz - 2026-06-18 , --	EX3DV4 - SN7875, 2025-12-09	DAE4ip Sn1837, 2025-12-03

Scan Setup

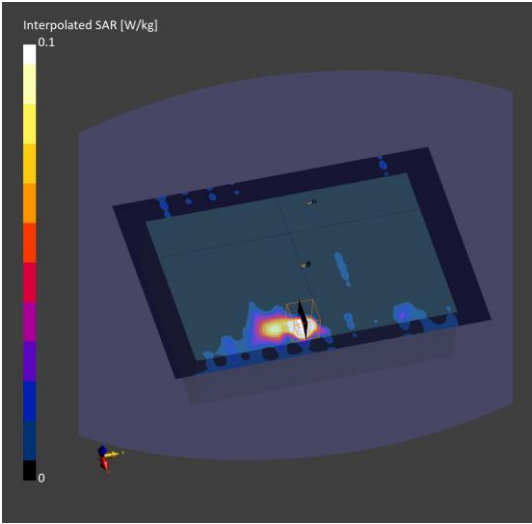
	Area Scan	Zoom Scan
Grid Extents [mm]	260.0 x 180.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	3.5 x 3.5 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	n/a	Yes
Grading Ratio	n/a	1.4
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-19, 12:34	2026-06-19, 12:43
psSAR1g [W/kg]	0.196	0.218
psSAR10g [W/kg]	0.051	0.047
Power Drift [dB]	-0.22	0.24
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive only	Positive only
M2/M1 [%]		59.5
Dist 3dB Peak [mm]		5.1

Warning(s) / Error(s)

Details	Area Scan	Zoom Scan
Warning(s)		
Error(s)		



Plot Nº3

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
SPACE 4 1.2A, HARMAN	145.0x 215.0x 55.0		TCU

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 0.00	U-NII-3 Standalone	WLAN, 10591-AAC	5745.0, 149	4.82	5.34	33.6

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt)- 2158	HBBL600-10000V6 - 5800MHz - 2026-07-08, --	EX3DV4 - SN7875, 2025-12-09	DAE4ip Sn1837, 2025-12-03

Scan Setup

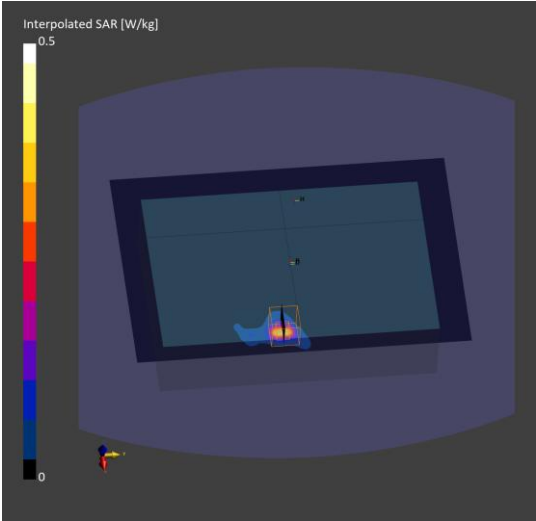
	Area Scan	Zoom Scan
Grid Extents [mm]	260.0x 180.0	22.0x 22.0 x 22.0
Grid Steps [mm]	10.0x 10.0	4.0x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	n/a	Yes
Grading Ratio	n/a	1.4
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-07-09, 10:35	2026-07-09, 10:44
psSAR1g [W/kg]	0.261	0.308
psSAR10g [W/kg]	0.074	0.078
Power Drift [dB]	-0.39	0.22
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive only	Positive only
M2/M1 [%]		56.2
Dist 3dB Peak [mm]		5.4

Warning(s) / Error(s)

Details	Area Scan	Zoom Scan
Warning(s)		
Error(s)		



Plot Nº4

Measurement Report for SPACE 4 1.2A, FRONT, U-NII-3 Standalone, UID 10525 AAC, Channel 149 (5745.0MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
SPACE 4 1.2A, HARMAN	145.0 x 215.0 x 55.0		TCU

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 0.00	U-NII-3 Standalone	WLAN, 10525-AAC	5745.0, 149	4.82	5.50	32.5

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2158	HBBL600-10000V6 - 5250-5800MHz - 2026-06-18 , --	EX3DV4 - SN7875, 2025-12-09	DAE4ip Sn1837, 2025-12-03

Scan Setup

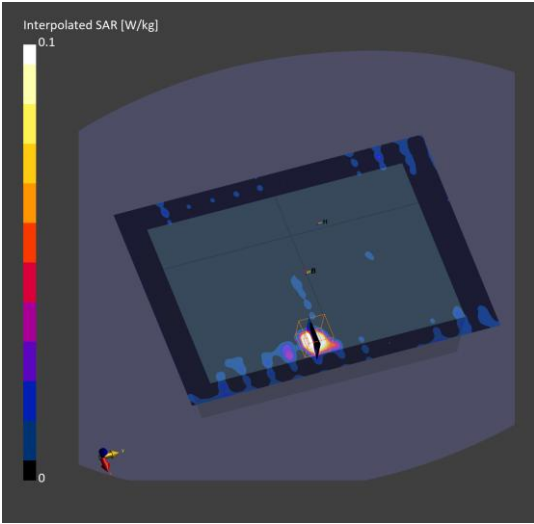
	Area Scan	Zoom Scan
Grid Extents [mm]	260.0 x 180.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	3.8 x 3.8 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	n/a	Yes
Grading Ratio	n/a	1.4
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-19, 14:05	2026-06-19, 14:14
psSAR1g [W/kg]	0.202	0.240
psSAR10g [W/kg]	0.044	0.047
Power Drift [dB]	-0.09	0.20
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive only	Positive only
M2/M1 [%]		55.3
Dist 3dB Peak [mm]		4.5

Warning(s) / Error(s)

Details	Area Scan	Zoom Scan
Warning(s)		
Error(s)		



Appendix D: System validation report

Validation results in 5250 MHz Band for Head TSL

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	n/ax n/ax n/a		Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	,		CW, 0--	5250.0, 0	5.56	4.95	33.3

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt)- 2158	HBBL600-10000V6 - 5250-5800MHz - 2026-06-18 , --	EX3DV4 - SN7875, 2025-12-09	DAE4ip Sn1837, 2025-12-03

Scan Setup

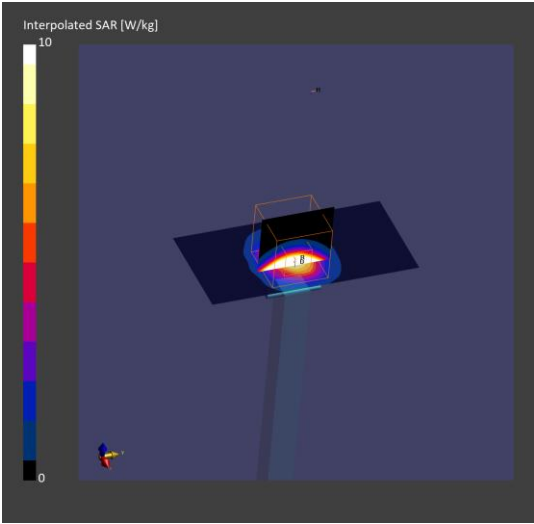
	Area Scan	Zoom Scan
Grid Extents [mm]	40.0x 80.0	22.0x 22.0 x 22.0
Grid Steps [mm]	10.0x 10.0	4.0x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	n/a	Yes
Grading Ratio	n/a	1.4
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-18, 21:13	2026-06-18, 21:21
psSAR1g [W/kg]	7.43	8.47
psSAR10g [W/kg]	2.29	2.44
Power Drift [dB]	0.02	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive only	Positive only
M2/M1 [%]		63.4
Dist 3dB Peak [mm]		7.2

Warning(s) / Error(s)

Details	Area Scan	Zoom Scan
Warning(s)		
Error(s)		



Validation results in 5800 MHz Band for Head TSL

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	n/ax n/ax n/a		Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	,		CW, 0--	5800.0, 0	4.82	5.56	32.5

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt)- 2158	HBBL600-10000V6 - 5250-5800MHz - 2026-06-18 , --	EX3DV4 - SN7875, 2025-12-09	DAE4ip Sn1837, 2025-12-03

Scan Setup

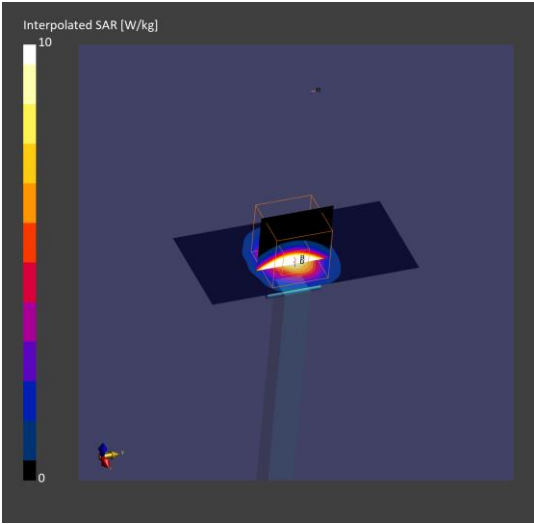
	Area Scan	Zoom Scan
Grid Extents [mm]	40.0x 80.0	22.0x 22.0 x 22.0
Grid Steps [mm]	10.0x 10.0	4.0x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	n/a	Yes
Grading Ratio	n/a	1.4
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-18, 21:30	2026-06-18, 21:39
psSAR1g [W/kg]	7.75	8.70
psSAR10g [W/kg]	2.36	2.49
Power Drift [dB]	0.01	-0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive only	Positive only
M2/M1 [%]		58.6
Dist 3dB Peak [mm]		7.9

Warning(s) / Error(s)

Details	Area Scan	Zoom Scan
Warning(s)		
Error(s)		



Validation results in 2450 MHz Band for Head TSL

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	n/ax n/ax n/a		Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	,		CW, 0--	2450.0, 0	7.15	1.70	36.1

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt)- 2158	HBBL600-10000V6 - 2450MHz - 2026-06-22 , --	EX3DV4 - SN7875, 2025-12-09	DAE4ip Sn1837, 2025-12-03

Scan Setup

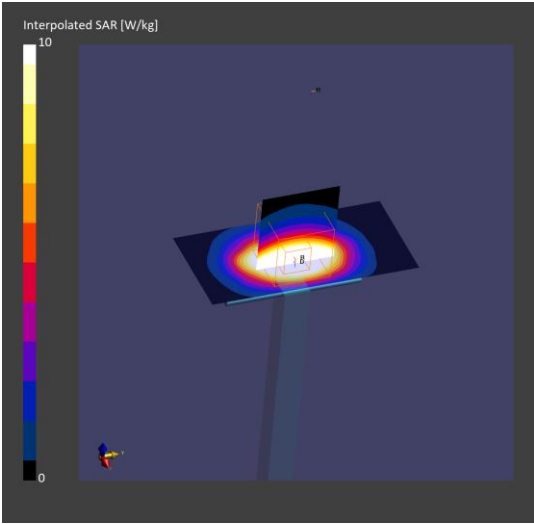
	Area Scan	Zoom Scan
Grid Extents [mm]	40.0x 80.0	30.0x 30.0 x 30.0
Grid Steps [mm]	10.0x 10.0	5.0x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	n/a	Yes
Grading Ratio	n/a	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-22, 09:27	2026-06-22, 09:33
psSAR1g [W/kg]	13.1	13.2
psSAR10g [W/kg]	6.19	6.27
Power Drift [dB]	0.01	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive only	Positive only
M2/M1 [%]		81.9
Dist 3dB Peak [mm]		9.0

Warning(s) / Error(s)

Details	Area Scan	Zoom Scan
Warning(s)		
Error(s)		



Validation results in 5800 MHz Band for Head TSL

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	n/ax n/ax n/a		Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	,		CW, 0--	5800.0, 0	4.82	5.40	33.6

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt)- 2158	HBBL600-10000V6 - 5800MHz - 2026-07-08, --	EX3DV4 - SN7875, 2025-12-09	DAE4ip Sn1837, 2025-12-03

Scan Setup			Measurement Results		
	Area Scan	Zoom Scan		Area Scan	Zoom Scan
Grid Extents [mm]	40.0x 80.0	22.0x 22.0 x 22.0	Date	2026-07-08, 12:44	2026-07-08, 12:52
Grid Steps [mm]	10.0x 10.0	4.0x 4.0 x 1.4	psSAR1g [W/kg]	7.14	8.02
Sensor Surface [mm]	3.0	1.4	psSAR10g [W/kg]	2.12	2.28
Graded Grid	n/a	Yes	Power Drift [dB]	0.03	-0.02
Grading Ratio	n/a	1.4	Power Scaling	Disabled	Disabled
MAIA	N/A	N/A	Scaling Factor [dB]		
Surface Detection	VMS + 6p	VMS + 6p	TSL Correction	Positive only	Positive only
Scan Method	Measured	Measured	M2/M1 [%]		57.5
			Dist 3dB Peak [mm]		7.6

Warning(s) / Error(s)

Details	Area Scan	Zoom Scan
Warning(s)		
Error(s)		

