



Report No.: R26S1032085-U401
Report Version: V01
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SAR MEASUREMENT REPORT

FCC ID: 2BV7P-RT310L0
Applicant: Hand Held Products, Inc.
Product: Tablet Computer
Model No.: RT310-L0
Brand Name: BRADY
FCC Rule Part(s): FCC 47 CFR Part 2.1093
Result: Complies
Received Date: 2026-08-25
Test Date: 2026-09-11 ~ 2026-09-23

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The test results relate only to the samples tested.

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report. Testing was performed in accordance with the applicable measurement procedures. The test results reported herein apply only to the specific item(s) tested.

The test report shall not be reproduced except in full without the written approval of MRT Technology (Suzhou) Co., Ltd.

Revision History

Report No.	Version	Description	Issue Date	Note
R26S1032085-U401	V01	Initial Report	2026-10-20	Valid

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1. General Information

1.1. Applicant

Hand Held Products, Inc.

9680 Old Bailes Road, Fort Mill, SC 29707 USA

1.2. Manufacturer

Hand Held Products, Inc.

9680 Old Bailes Road, Fort Mill, SC 29707 USA

1.3. Testing Facility

Test Site - MRT Suzhou Laboratory	
☐ Laboratory Location (Suzhou - Wuzhong) D8 Building, No.2 Tian'edang Rd., Wuzhong Economic Development Zone, Suzhou, China	
☐ Laboratory Location (Suzhou - SIP) 4b Building, Liando U Valley, No.200 Xingpu Rd., Shengpu Town, Suzhou Industrial Park, China	
☒ Laboratory Location (Suzhou - Wujiang) Building 1, No.1 Xingdong Road, Wujiang, Suzhou, Jiangsu, People's Republic of China	
Laboratory Accreditations	
A2LA: 3628.01	CNAS: L10551
FCC: CN1166	ISED: CN0001

1.4. Product Information

Product Name	Tablet Computer
Model No.	RT310-L0
EUT Identification No.	Y-260825-R032-03
Antenna Information	Refer to section 1.6
EUT Type	Portable Device
Exposure Category	General Population/Uncontrolled Exposure
Accessory(ies)	
Rechargeable Li-ion Battery	Model No.: BAT-EDA10A Nominal Voltage: 3.85 V Rated Capacity: 8000 mAh Nominal Capacity: 30.80 Wh
Note: The information of the EUT (Equipment Under Test) was provided by the manufacturer. The accuracy, completeness, and validity of the information are solely the responsibility of the manufacturer.	

1.5. Radio Specification under Test

Wi-Fi Specification	
Frequency Range	<u>For 2.4 GHz Wi-Fi</u> 2400 ~ 2483.5 MHz <u>For 5 GHz Wi-Fi</u> UNII-1: 5150 ~ 5250 MHz UNII-2A: 5250 ~ 5350 MHz UNII-2C: 5470 ~ 5725 MHz UNII-3: 5725 ~ 5850 MHz UNII-4: 5850 ~ 5895 MHz <u>For 6 GHz Wi-Fi</u> UNII-5: 5925 ~ 6425 MHz UNII-6: 6425 ~ 6525 MHz UNII-7: 6525 ~ 6875 MHz UNII-8: 6875 ~ 7125 MHz
Channel Number	<u>For 2.4 GHz Wi-Fi</u> 802.11b/g/n-HT20/ax-HE20/be-EHT20 & VHT20: 11 802.11n-HT40/ax-HE40/be-EHT40 & VHT40: 7 <u>For 5 GHz Wi-Fi</u> 802.11a/n-HT20/ac-VHT20/ax-HE20/be-EHT20: 28 802.11n-HT40/ac-VHT40/ax-HE40/be-EHT40: 14 802.11ac-VHT80/ax-HE80/be-EHT80: 7 802.11ac-VHT160/ax-HE160/be-EHT160: 3 <u>For 6 GHz Wi-Fi</u> 802.11a/ax-HE20/be-EHT20: 59 802.11ax-HE40/be-EHT40: 29 802.11ax-HE80/be-EHT80: 14 802.11ax-HE160/be-EHT160: 7 802.11be-EHT320: 6
Modulation Technology	802.11b: DSSS 802.11a/g/n/ac & VHT: OFDM 802.11ax/be: OFDMA

Data Rate	802.11b: 1/2/5.5/11 Mbps 802.11a/g: 6/9/12/18/24/36/48/54 Mbps 802.11n: up to 300 Mbps 802.11ac: up to 1733.3 Mbps 802.11ax: up to 2402 Mbps 802.11be: up to 5764 Mbps	
Support RU	☒ Full RU	☒ Partial RU
Bluetooth Specification		
Frequency Range	2400 MHz~ 2483.5 MHz	
Channel Number	For Bluetooth: 79 For BT-LE: 40	
Channel Spacing	For Bluetooth: 1 MHz For BT-LE: 2 MHz	
Modulation Type	For Bluetooth: 1 Mbps (GFSK), 2 Mbps (Pi/4 DQPSK), 3 Mbps (8DPSK) For BT-LE: 1 Mbps & 2 Mbps & 125 kbps & 500 kbps (GFSK)	
NFC Specification		
Working Frequency	13.56 MHz	
Channel Number	1	
Modulation Type	ASK	
Antenna Type	Loop Antenna	

Note: 802.11ax/be supports partial RU and full RU configuration, the maximum power of partial RU configuration is smaller than full configuration, therefore SAR is only performed in full RU configuration.

1.6. Antennas Details

Operating Condition	ANT 3	Bluetooth BR/EDR/LE (1Tx, 1Rx)
	ANT 3 + ANT 2	802.11b/g/n/ax/be & VHT for 2.4 GHz Wi-Fi (2Tx, 2Rx) 802.11a/n/ac/ax/be for 5 GHz Wi-Fi (2Tx, 2Rx) 802.11a/ax/be for 6 GHz Wi-Fi (2Tx, 2Rx)
Antenna Type	Monopole Antenna	
Simultaneously Transmitting Scenarios	Standalone	2.4 GHz Wi-Fi transmit simultaneously with BT 5 GHz Wi-Fi transmit simultaneously with BT 6 GHz Wi-Fi transmit simultaneously with BT
	DBS	2.4 GHz Wi-Fi transmit simultaneously with 5 GHz Wi-Fi 2.4 GHz Wi-Fi transmit simultaneously with 6 GHz Wi-Fi
	HBS	5 GHz Low Band Wi-Fi transmit simultaneously with 5 GHz High Band Wi-Fi 5 GHz Low Band Wi-Fi transmit simultaneously with 6 GHz Band Wi-Fi

Note: 5 GHz Low Band: 5150 ~ 5350 MHz, 5 GHz High Band: 5470 ~ 5895 MHz.

2. Summary of Test Result

2.1. Test Standards

No.	Identity	Document Title
1	47 CFR Part 2.1093	Radiofrequency radiation exposure evaluation: portable devices
2	IEEE 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
3	IEEE C95.1-2005	IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz
4	IEC/IEEE 62209-1528:2020 ED1	IEC/IEEE International Standard - Measurement procedure for the assessment of specific absorption rate of human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices - Part 1528: Human models, instrumentation, and procedures (Frequency range of 4 MHz to 10 GHz)
5	IEC 62479:2010 ED1	Assessment of the compliance of low-power electronic and electrical equipment with the basic restrictions related to human exposure to electromagnetic fields (10 MHz to 300 GHz)
6	IEC TR 63170:2018 ED1	Measurement procedure for the evaluation of power density related to human exposure to radio frequency fields from wireless communication devices operating between 6 GHz and 100 GHz
7	IEC/IEEE 63195-1:2022 ED1	Assessment of power density of human exposure to radio frequency fields from wireless devices in close proximity to the head and body (frequency range of 6 GHz to 300 GHz) - Part 1: Measurement procedure
8	KDB 447498 D01 v06	General RF Exposure Guidance
9	KDB 865664 D01 v01r04	SAR Measurement 100 MHz to 6 GHz
10	KDB 865664 D02 v01r02	RF Exposure Reporting
11	KDB 616217 D04 v01r02	SAR for Laptop and Tablet
12	KDB 248227 D01 v02r02	SAR Guidance for IEEE 802.11 (Wi-Fi) Transmitter

2.2. Environment Condition

Ambient Temperature	20.5 °C ~ 24.0 °C
Temperature of Simulant	20.0 °C ~ 23.5 °C
Relative Humidity	38%RH ~ 55%RH

2.3. RF Exposure Limits below 6 GHz

Human Exposure	Basic restrictions for electric, magnetic and electromagnetic fields. (Unit in mW/g or W/kg)
Spatial Peak SAR ¹ (Head and Body)	1.60
Spatial Average SAR ² (Whole Body)	0.08
Spatial Peak SAR ³ (Arms and Legs)	4.00

Notes:

1. The Spatial Peak value of the SAR averaged over any 1 gram of tissue (defined as a tissue volume in the shape of a cube) and over the appropriate averaging time.
2. The Spatial Average value of the SAR averaged over the whole body.
3. The Spatial Peak value of the SAR averaged over any 10 gram of tissue (defined as a tissue volume in the shape of a cube) and over appropriate averaging time.

2.4. RF Exposure Limits above 6 GHz

Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm ²)	Average Time (Minutes)
(A) Limits for Occupational/ Control Exposures				
0.3-3.0	614	1.63	*(100)	≤ 6
3.0-30	1842/f	4.89/f	*(900/f ²)	< 6
30-300	61.4	0.163	1.0	< 6
300-1500	--	--	f/300	< 6
1500-100000	--	--	5	< 6
(B) Limits for General Population/ Uncontrolled Exposures				
0.3-1.34	614	1.63	*(100)	< 30
1.34-30	824/f	2.19/f	*(180/f ²)	< 30
30-300	27.5	0.073	0.2	< 30
300-1500	--	--	f/1500	< 30
1500-100000	--	--	1.0	< 30

Notes:

1. Peak Spatially Averaged Power Density was evaluated over a square area of 4 cm² per interim FCC Guidance for near-field power density evaluations.
2. 1.0 mW/cm² is 10 W/m².

2.5. Test Result Summary

Worst SAR/IPD List

Highest Reported SAR		Body 1 g SAR (W/kg)	psPD (W/m ²)
ANT 3	DTS Band Wi-Fi	1.07	--
	U-NII-2A Band Wi-Fi	1.08	--
	U-NII-2C Band Wi-Fi	1.16	--
	U-NII-3 Band Wi-Fi	1.18	--
	U-NII-4 Band Wi-Fi	0.81	--
	U-NII-5 & 6 & 7 & 8 Band Wi-Fi	0.77	--
	Bluetooth	0.25	
ANT 2	DTS Band Wi-Fi	1.19	--
	U-NII-2A Band Wi-Fi	1.10	--
	U-NII-2C Band Wi-Fi	1.16	--
	U-NII-3 Band Wi-Fi	1.12	--
	U-NII-4 Band Wi-Fi	1.09	--
	U-NII-5 & 6 & 7 & 8 Band Wi-Fi	0.79	--
ANT 2	U-NII-5 & 6 & 7 & 8 Band Wi-Fi	--	8.65

Highest Simultaneous SAR

Highest Reported SAR	Body 1 g SAR (W/kg)
Standalone	1.44
DBS	1.54
HBS	1.57

3. Specific Absorption Rate (SAR)

3.1. Introduction

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.

3.2. Definition

The SAR in the tissue-equivalent liquid can be determined by the rate of temperature increase or by E-field measurements, according to Formulas (1) or (2):

$$SAR = \frac{\sigma E^2}{\rho} \quad (1)$$

$$SAR = c_h \left. \frac{dT}{dt} \right|_{t=0} \quad (2)$$

where

SAR is the specific absorption rate in W/kg;

E is the rms value of the electric field strength in the tissue medium in V/m;

σ is the electrical conductivity of the tissue medium in S/m;

ρ is the mass density of the tissue medium in kg/m³;

c_h is the specific heat capacity of the tissue medium in J/(kg K);

$\left. \frac{dT}{dt} \right|_{t=0}$ is the initial time derivative of temperature in the tissue medium in K/s.

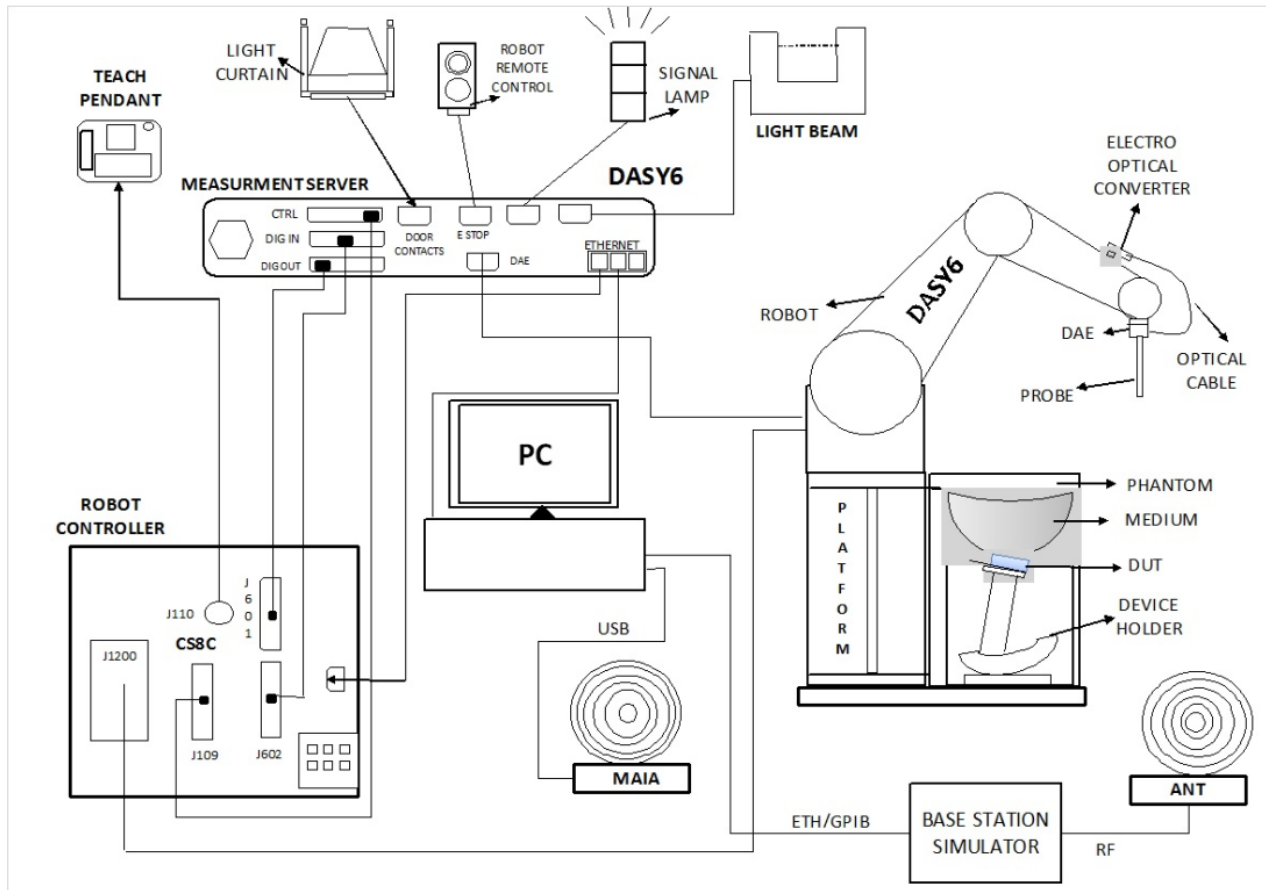
4. DASY6 Measurement System

4.1. Introduction

DASY6 is the latest generation of the Dosimetric Assessment System optimized for specific absorption rate (SAR) measurements, SAR compliance. DASY6 builds on the power of our industry - leading dosimetric and near-field evaluation system, DASY52. Running on a significantly more robust platform and a more powerful measurement server, DASY6 offers much faster scanning with no sacrifice of measurement precision. All hardware and software are fully compatible with DASY52. The new system seamlessly integrates two software solutions, the novel cDASY - optimized for SAR compliance testing to significantly reduce SAR assessment costs - and the widely used DASY V5.2 for generalized near-field evaluations with maximized flexibility.

4.2. DASY6 Measurement System Diagram

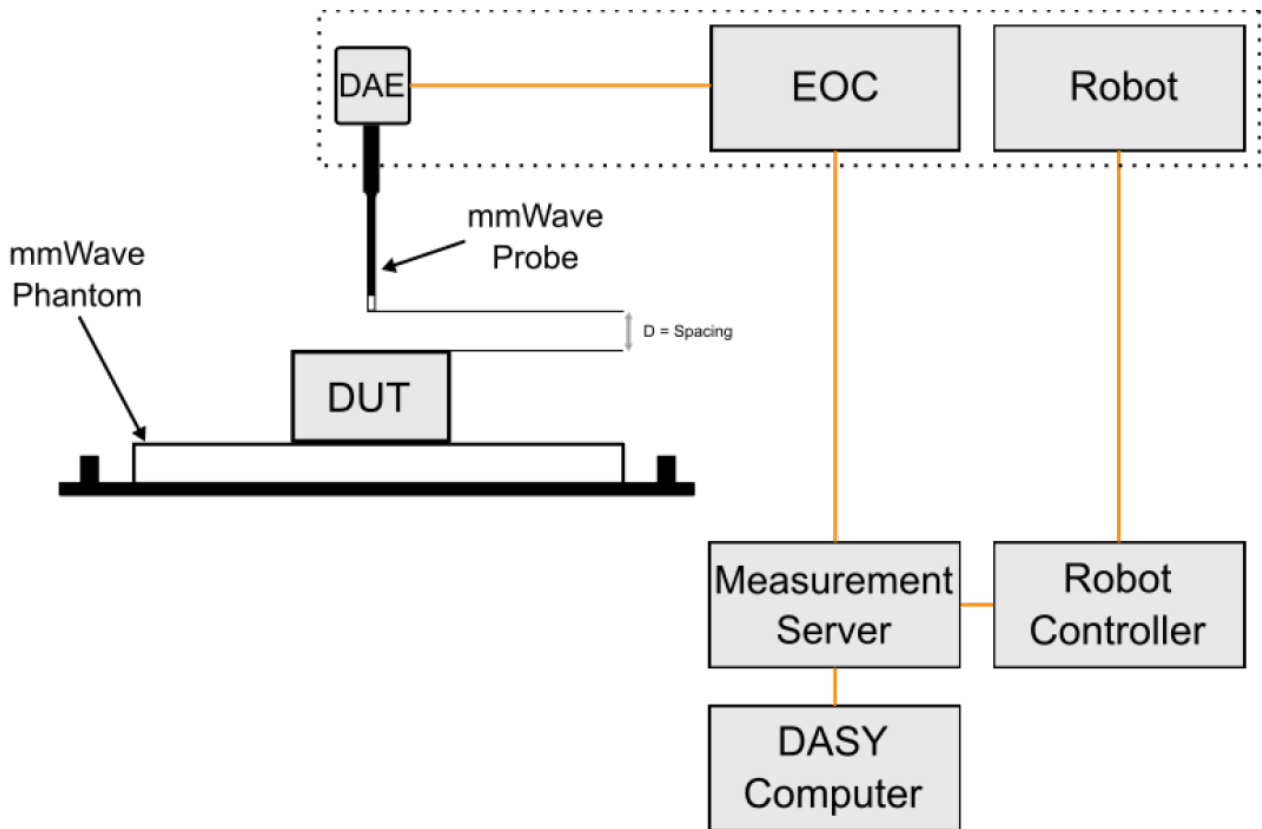
The DASY6 system in cDASY6/DASY5 V5.2 SAR Configuration is shown below:



The System consist of the following components:

DASY6 Measurement Server, Data Acquisition Electronics (DAE), Probes, Light-Beam Unit, Phantoms, Media, Device Holder for SAM-Twin Phantom, Laptop Extension Kit to Mounting Device, Robot System Platform & Pedestal, Verification of the Parameters with the Dielectric Assessment Kit (DAK), Modulation and Interference Analyzer (MAIA), Omni-Directional Ultra-Wideband Antenna (ANT), cDASY6 software, DASY5 NEO software and SEMCAD data evaluation software.

Typical setup for PD measurement with DASY6:



A typical DASY6 system for PD measurements consists of:

- 6-axis robotic arm (Stäubli TX-60L/ TX-90XL) for positioning the probe
- Mounting Platform for maintaining the phantoms at a fixed location relative to the robot
- Measurement Server that handles all time-critical tasks, such as measurement data acquisition and supervision of safety features
- Electrical to Optical Converter (EOC) for converting the optical signal from the DAE to electrical before being transmitted to the measurement server
- Light Beam unit for probe alignment (measurement of the exact probe length and eccentricity)
- millimeter Wave (mmWave) probe (EummmWVx) for measuring the E-field magnitude. The polarization ellipses and the power density are then derived.
- mmWave phantom used as the test bed
- DAE that reads the probe voltages and transmits it to the DASY6 PC
- mmWave Device Holder for positioning the EUT on top of the phantom
- operator PC that runs the DASY6 software for defining/executing the measurements
- verification sources for system performance checks.

4.3. System Components Details

DASY6 Platforms MP6E-TX60L

MP6E-TX60L platform is a compact cost-effective platform based on TX60L. It consists of:

- a stable non-metallic platform for the TX60L robot
- a frame for two standard-size phantoms (1.0×0.5 m)
- a frame for one half-size phantom (0.5×0.5 m)

It includes two easily moveable trolleys for the phone and tablet/computer positioner and two platforms for positioning dipoles and other antennas.

Material	The beams consist of a composite of wood and epoxy (permittivity of 3.3 and loss tangent of <0.07)
Size	The footprint of the platform is 1590 mm $\times$ 1060 mm.



Robots -TX60L

The MRT DASY6 system uses the high-precision industrial robots TX60L from Staubli SA (France). The TX robot family - the successor of the well-known RX robot family - continues to offer the features important for DASY6 applications:

- High precision (repeatability 0.02 mm)
- High reliability (industrial design)
- Low maintenance costs (virtually maintenance-free as all gears are direct drive, no belt drives)
- Jerk-free straight movements (brushless synchrony motors, no stepper motors)
- Low extremely low frequency (ELF) interference (motor control fields are shielded by the closed metallic construction)

The robots are controlled by the Staubli CS8c robot controllers. All information regarding the use and maintenance of the robot arm and the robot controller is provided on CDs delivered with the robot. Paper manuals are available directly from Staubli upon request.



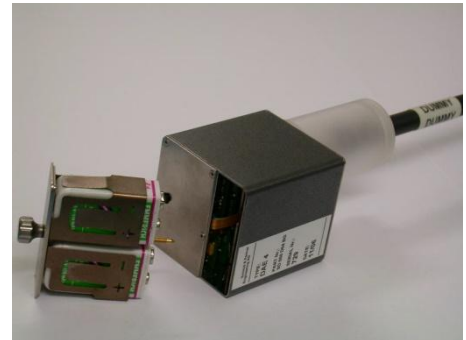
DASY6 Measurement Server

The DASY6 measurement server is based on a PC/104 CPU board with a 400 MHz intel ULV Celeron, 128 MB chip-disk and 128 MB RAM. The necessary circuits for communication with the DAE4 electronics box, as well as the 16-bit AD converter system for optical detection and digital I/O interface are contained on the DASY6 I/O board, which is directly connected to the PC/104 bus of the CPU board. The measurement server performs all real-time data evaluations of field measurements and surface detection, controls robot movements, and handles safety operations.



Data Acquisition Electronics (DAE)

The data acquisition electronics (DAE4) 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.



Probes

E-Field Probe(EX3DV4)

The SAR measurement is conducted with the dosimetric probe manufactured by SPEAG. The probe is specially designed and calibrated for use in liquid with high permittivity. The dosimetric probe has special calibration in liquid at different frequency. SPEAG conducts the probe calibration in compliance with international and national standards (e.g. IEEE 1528, EN 62209-1, IEC 62209, etc.) under ISO 17025.

Construction:

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

Frequency: 4 MHz ~ 10 GHz

Linearity: ± 0.2 dB (30 MHz ~ 10 GHz)

Directivity:

± 0.1 dB in TSL (rotation around probe axis)

± 0.3 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 mm

Applications:

High precision dosimetric measurements in any exposure scenario (e.g., very strong gradient fields); the only probe that enables compliance testing for frequencies up to 6 GHz with precision of better than 30%.



MSTV1 (Mother Scan Teaching V1) Electronics & TP6V2 (Teaching Probe 6V2) Probe

MSTV1 (Mother Scan Teaching V1) electronics together with the TP6V2 (Teaching Probe 6V2) probe is used for mother scan of DASY6 system. This probe uses a 3D Renishaw LP2 sensor which ensures accurate detection of any shape and a measurement repeatability of 8 μ m.



mmWave Probe (EUmmWV4)

The EUmmWV4 probe is based on the pseudo-vector probe design, which not only measures the field magnitude but also derives its polarization ellipse. This probe concept is advantageous because the sensor angle errors or distortions of the field by the substrate can be largely nullified by calibration. This is particularly important as field distortions by the substrate are dependent on the wavelength at these very high frequencies.

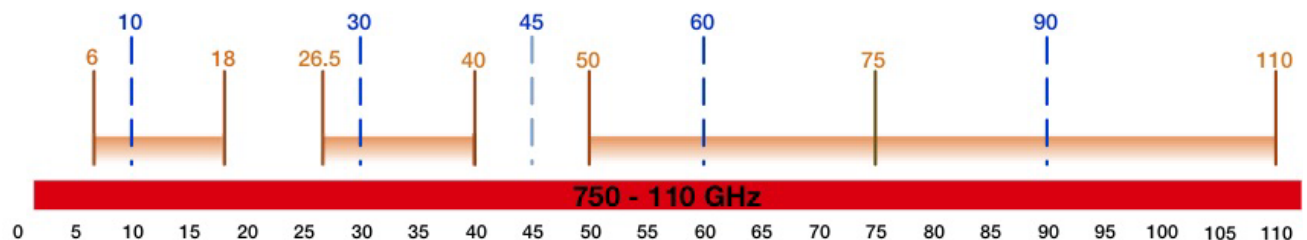
The probe contains two small 0.8 mm dipole sensors mechanically protected by high-density foam, printed on both sides of a 0.9 mm wide and 0.12 mm thick glass substrate. The body of the probe is specifically constructed to minimize distortion by the scattered fields.

The sensitivity of the probe sensors, which is dependent on frequency, is calibrated during exposure to E-fields of known amplitude. The frequency response of the sensor is smooth over the entire frequency and can be approximated with a lumped element model of five elements. During a pre-calibration step using the same setup as for calibration, we determine the values of the lumped elements. The evaluation method is based on a least-squares optimization and it increases the precision of the calibration. It also provides reliable sensitivity parameters over the entire calibration frequency range, covering the gaps between the calibration bands. The stated uncertainty is therefore also valid for the entire frequency range from 750 MHz to 110 GHz.

calibrated frequencies

calibration antenna frequency bands

validation / verification frequencies



Calibration bands and frequencies from 6-110 GHz.

The probe design allows measurements at distances as small as 2 mm from the sensors to the surface of the DUT. The typical sensor to the probe tip distance is 1.5 mm. The exact distance is calibrated.



Light-Beam Unit

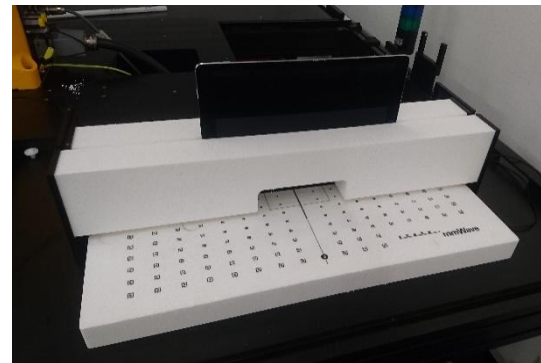
The light beam switch allows automatic "tooling" of the probe. During the process, the actual position of the probe tip with respect to the robot arm, as well as the probe length and the horizontal probe offset, are measured. The software then corrects all movements within the measurement jobs, such that the robot coordinates are valid for the probe tip.



The repeatability of this process is better than 0.1 mm. If a position has been taught with an aligned probe, the same position will be reached with another aligned probe within 0.1 mm, even if the other probe has different dimensions. During probe rotations, the probe tip will keep its actual position.

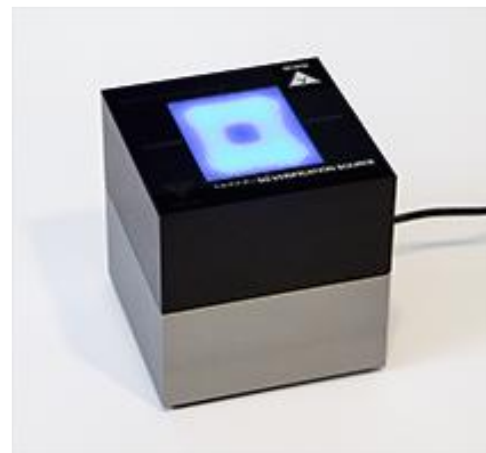
mmWave Device Holder (mmWDH)

mmWave Device Holder (mmWDH) is designed to ease positioning of the DUT of various sizes when measuring PD along an edge. It is made of low loss Rohacell material and meets the standard requirements. It is provided with an additional spacer to accommodate devices with smaller form factors.



Verification Sources

The horn antenna-based verification sources are used for regular system verification. They are available at five different frequencies: 10 GHz, 30 GHz, 45 GHz, 60 GHz, and 90 GHz (see Figure 3.13.1. The 10 GHz source has a SMA connector and can be connected to any supply generator. The other sources comprise a Gunn oscillator.



Phantoms

SAM-Twin Phantom

The shell corresponds to the specifications of the Specific Anthropomorphic Mannequin (SAM) phantom defined in IEEE 1528 and IEC 62209-1. It enables the dosimetric evaluation of left and right hand phone usage as well as body-mounted usage at the flat phantom region. A cover prevents evaporation of the liquid. Reference markings on the phantom allow the complete setup of all predefined phantom positions and measurement grids by teaching three points with the robot.

SAM-Twin V5.0 and higher has the same shell geometry and is manufactured from the same material as SAM-Twin V4.0, but with the top structure reinforced.

Material Vinyl ester, fiberglass reinforced (VE-GF)
The phantom shell is compatible with SPEAG tissue simulating liquids (sugar and oil based).

Liquid Compatibility Use of other liquids may render the phantom warranty void (see note or consult SPEAG support).

Shell Thickness 2 ± 0.2 mm (6 ± 0.2 mm at ear point)

Dimensions Length: 1000 mm

(incl. Wooden Width: 500 mm

Support) Height: adjustable feet

Filling Volume approx. 25 liters

Support DASY6: standard-size platform slot

DASY52 stand-alone: SPEAG standard phantom table



ELI phantom

The ELI phantom is used for compliance testing of handheld and body-mounted wireless devices in the frequency range of 30 MHz to 6 GHz. ELI is fully compatible with the IEC 62209-2 standard and all known tissue simulating liquids. ELI has been optimized regarding its performance and can be integrated into our standard phantom tables. A cover prevents evaporation of the liquid. Reference markings on the phantom allow installation of the complete setup, including all predefined phantom positions and measurement grids, by teaching three points. The phantom is compatible with all SPEAG dosimetric probes and dipoles.

ELI V5.0 and higher has the same shell geometry and is manufactured from the same material as ELI V4.0, but has reinforced top structure. ELI V6.0, released in August 2014, has the same shell geometry as ELI V4.0 but offers increased long term stability.

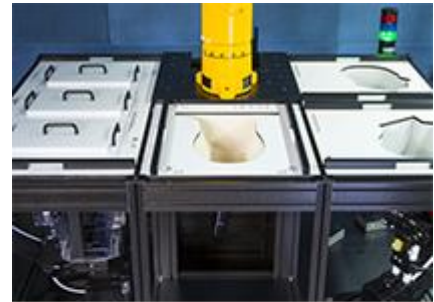
Material	Vinyl ester, fiberglass reinforced (VE-GF)
Liquid Compatibility	The phantom shell is compatible with SPEAG tissue simulating liquids (sugar and oil based). Use of other liquids may render the phantom warranty void (see note or consult SPEAG support).
Shell Thickness	2.0 ± 0.2 mm (bottom plate)
Dimensions	Major axis: 600 mm Minor axis: 400 mm
Filling Volume	approx. 30 liters
Support	DASY6: standard-size platform slot DASY52 stand-alone: SPEAG standard phantom table



SAM Face Down Phantom

The SAM Face Down Phantom V10 allows assessment of the exposure of the face and in particular the eyes for handheld devices operated in front of the face. e.g., video phones, cameras, organizers, etc. It is manufactured from high precision injection molded polypropylene. The Mounting Device for Transmitters including extensions kit can be used to position the device.

Material	Epoxy based
Liquid Compatibility	The phantom shell is compatible with SPEAG tissue simulating liquids (sugar and oil based). Use of other liquids may render the phantom warranty void (see note or consult SPEAG support).
Shell Thickness	2 ± 0.2 mm (6 mm at ear point)
Head Shape	Standard compatible SAM head.



SAM Head Stand Phantom

The SAM Head Stand Phantom V10 allows assessment of the exposure of the top-head or around-the-head wireless accessories, e.g., head-belts, etc. It is manufactured from high precision injection molded polypropylene. The Mounting Device for Transmitters including extensions kit can be used to position the device.

Material	Epoxy based
Liquid Compatibility	The phantom shell is compatible with SPEAG tissue simulating liquids (sugar and oil based). Use of other liquids may render the phantom warranty void (see note or consult SPEAG support).
Shell Thickness	2 ± 0.2 mm (6 mm at ear point)
Head Shape	Standard compatible SAM head.



Wrist Phantom

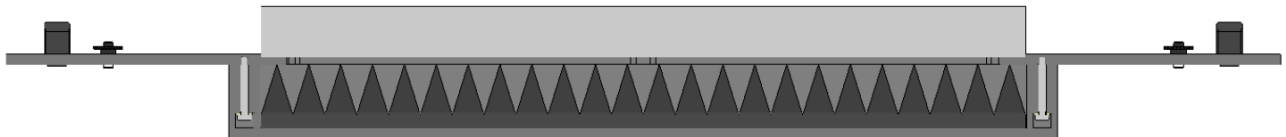
The Wrist Phantom V10 is shape-compatible with the CTIA approved OTA GFPC-V1 and optimized for SAR evaluation of watches and other wireless hand accessories.

Material	Epoxy based The phantom shell is compatible with SPEAG tissue simulating liquids (sugar and oil based). Use of other liquids may render the phantom warranty void (see note or consult SPEAG support).
Liquid Compatibility	
Shell Thickness	Shell Thickness
Wrist Shape	Design compatible with CTIA forearm.



mmWave Phantoms

The mmWave Phantom approximates free-space conditions, allowing for the evaluation of the antenna side of the device and the front (screen) side or any opposite-radiating side of wireless devices operating above 10 GHz without distorting the RF field. It consists of a 40 mm thick Rohacell plate used as a test bed, which has a loss tangent ($\tan \delta$) ≤ 0.05 and a relative permittivity (ϵ_r) ≤ 1.2 . High-performance RF absorbers are placed below the foam.



Cross section of the mmWave phantom

The reflectivity performance of the mmWave phantom has been evaluated in comparison to the predecessor 5G Phantom and a total reflective backside of the foam.

The reflectivity of both phantoms was measured with a method similar to the NRL arch approach, except that the phantoms under study were placed in the near-fields of the transmitting antenna and the receiving antenna.

The reflectivity measurement was performed at 10, 30, 60, and 90 GHz. At each frequency, a corresponding pair of pyramidal horns was used as the transmitting antenna and the receiving antenna. The continuous-wave (CW) signal fed into the transmitting antenna was generated by a signal generator at 10 GHz and a Gunn oscillator at 30, 60, and 90 GHz. The power captured by the receiving antenna was measured by a thermal power sensor. The transmitting antenna and the receiving antenna were placed symmetrically to the normal of the metal plate. The antennas were further oriented to provide perpendicular polarization and to roughly meet the specular-reflection law (since either the transmitting antenna or the receiving antenna may be moved slightly around their initial positions to capture the maximum reflected power and/or the casing of the antennas and the power sensor makes it impossible to move the antennas close enough for very small incident angles). Three incident angles, varying from $< 10^\circ$ to approx. 45° , were studied at each frequency. The reflectivity of the phantom is quantified by the difference between the reflected power exclusively from the metal plate and the reflected power from the phantom placed on the same metal plate.

The results demonstrate that the reflectivity of the mmWave phantom is reduced by more than 20 dB between 10 and 90 GHz compared to the predecessor 5G phantom and better than 20 dB with respect to a phantom with total reflections (i.e., the foam with a large metal plate on its backside).

The mmWave phantom meets all the requirements for accurate exposure evaluations of any device operating at >10 GHz. The 5G phantom should only be used if the device radiates away from the phantom.

Device Holder for SAM-Twin Phantom

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 at 5 mm distance, a positioning uncertainty of ± 0.5 mm would produce uncertainty in the SAR of $\pm 20\%$. Accurate device positioning is therefore crucial for accurate and repeatable measurements. The positions at which the devices must be measured are defined by the standards.

MD4HHTV5 - Mounting Device for Hand-Held Transmitters

In combination with the Twin SAM V5.0/V5.0c or ELI phantoms, the Mounting Device for Hand-Held Transmitters enables rotation of the mounted transmitter device to specified spherical coordinates. At the heads, the rotation axis is at the ear opening. Transmitter devices can be easily and accurately positioned according to IEC 62209-1, IEEE 1528, FCC, or other specifications. The device holder can be locked for positioning at different phantom sections (left head, right head, flat).

Material: Polyoxymethylene (POM)



MDA4WTV5 - Mounting Device Adaptor for Ultra Wide Transmitters

An upgrade kit to Mounting Device to enable easy mounting of wider devices like big smart-phones, e-books, small tablets, etc. It holds devices with width up to 140 mm.

Material: Polyoxymethylene (POM)



MDA4SPV6 - Mounting Device Adaptor for Smart Phones

The solid low-density MDA4 SPV6 adaptor assuring no impact on the DUT radiation performance and is conform with any DUT design and shape.

Material: ROHACELL



MD4LAPV5 - Mounting Device for Laptops and other Body-Worn Transmitters

In combination with the Twin SAM V5.0/V5.0c or ELI phantoms, the Mounting Device (Body-Worn) enables testing of transmitter devices according to IEC 62209-2 specifications. The device holder can be locked for positioning at a flat phantom section.

Material: Polyoxymethylene (POM), PET-G, Foam



MDA4LAP - Mounting Device Adaptor for Laptops

A simple but effective and easy-to-use extension for the Mounting Device; facilitates testing of larger devices (e.g., laptops, cameras, etc.) according to IEC 62209-2; lightweight and 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 as well as ELI and other Flat Phantoms.

Material: Polyoxymethylene (POM), PET-G, Foam



Modulation and Interference Analyzer(MAIA)

MAIA is a hardware interface used to evaluate the modulation and audio interference characteristics of RF signals in the frequency range 698 - 6000 MHz. DASY6 evaluates the time-domain and frequency domain properties of the uplink signal transmitted by the DUT during SAR measurement with MAIA. MAIA uses USB powered active electronics to identify the modulation of the DUT. It can be operated over the air interface using the built-in ultra-broadband planar log spiral antenna (698 - 6000 MHz) or in conducted mode using the coaxial SMA 50 Ohm connector (300 - 6000 MHz).



To prevent damage in conducted mode due to high peak power, an external RF attenuator may be mounted. The LED on the MAIA hardware also indicates whether it is connected.

DAK-3.5 (200 MHz - 20 GHz)

This precision dielectric measurement system is designed to cover the 200 MHz - 20 GHz frequency range with a single open-ended coaxial dielectric probe. The system uses advanced algorithms and novel hardware to measure the dielectric properties of liquids, solids, and semi-solids over a broad range of parameters. The measurement method is fast and non-destructive to the material under test.



Evaluation of reference liquids over a broad frequency range for specific absorption rate (SAR) measurements, in accordance with IEC 62209, IEEE 1528, and several federal regulations.

Evaluating Software: DAK software version 2.0

MRT simulating liquid

Product	Test Frequency (MHz)	Main Ingredients
HSL450	400 - 500	Water, Sucrose, NaCl
MSL450	400 - 500	Water, Sucrose, NaCl

Speag Broad-Band simulating liquid

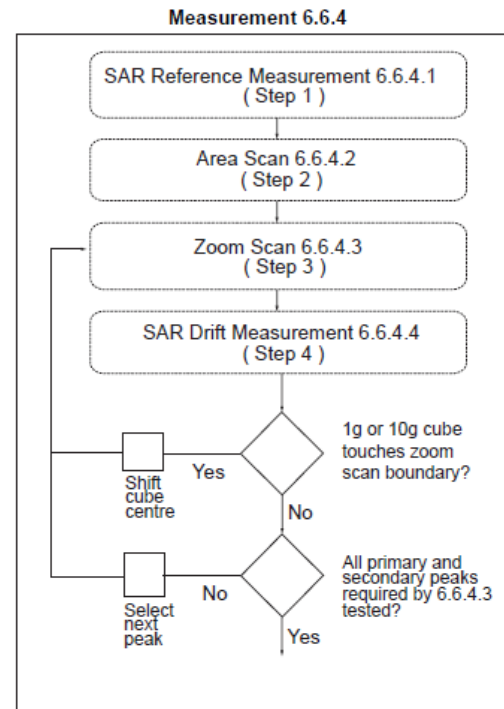
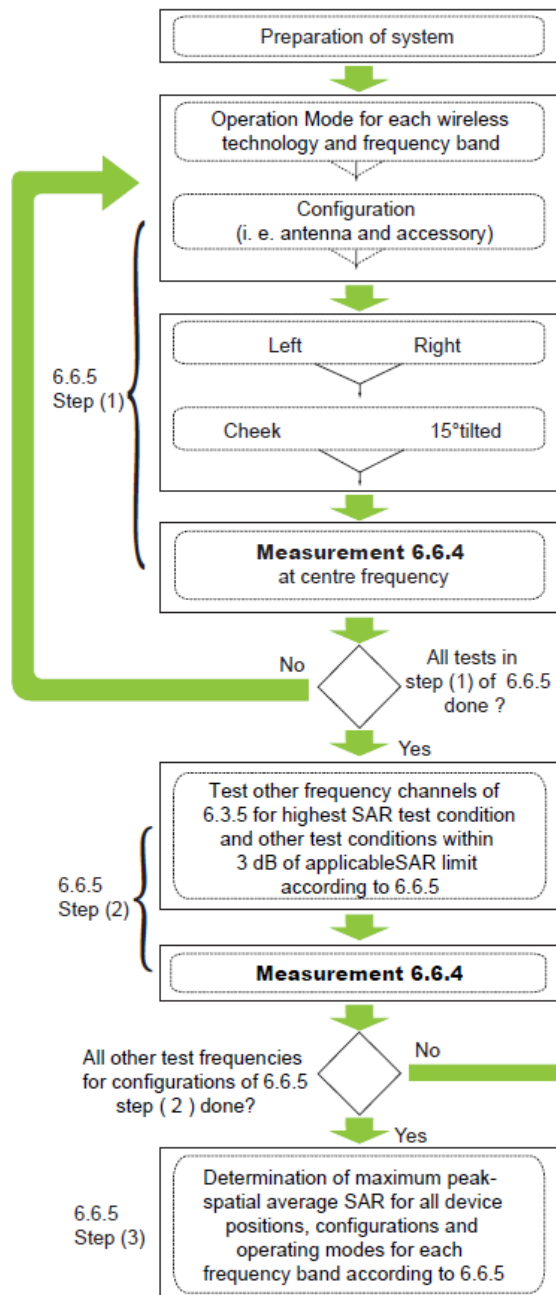
Product	Test Frequency (MHz)	Main Ingredients
HBBL600-10000V6	600 - 10000	Water, Oil
MBBL600-6000V6	600 - 6000	Water, Oil

5. The SAR Measurement Procedure

5.1. Measurement Process Diagram

General Procedure

For IEEE1528-2013 Head SAR



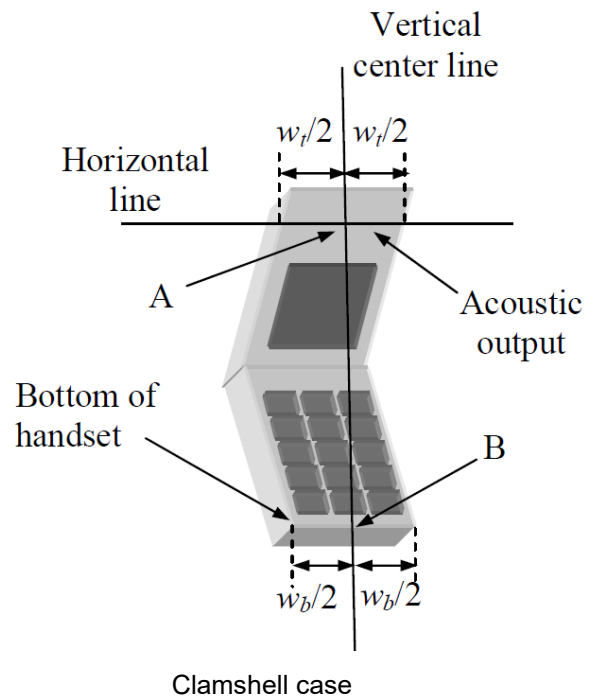
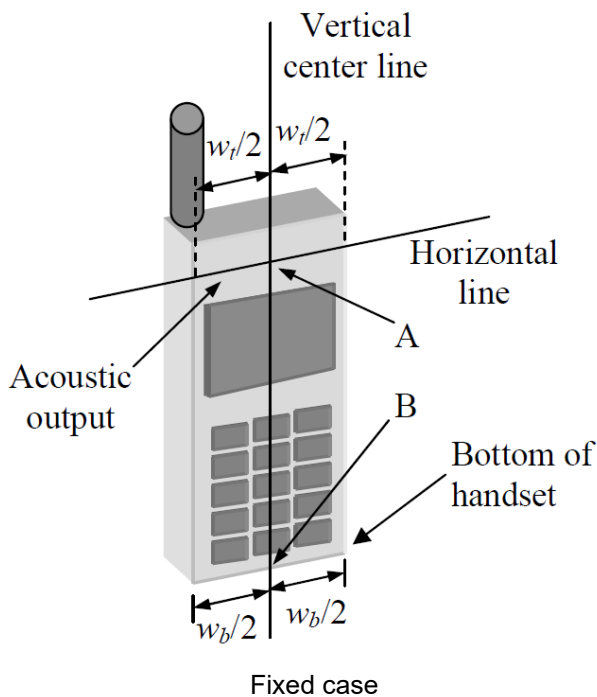
For Body SAR

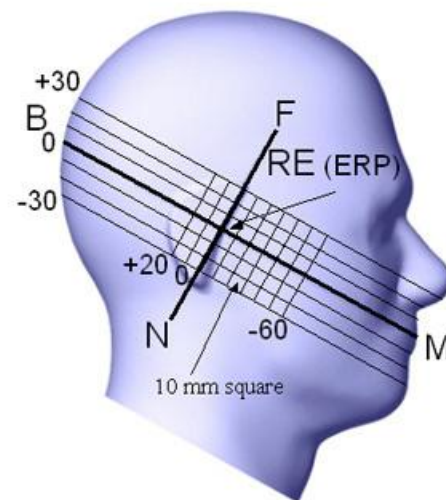
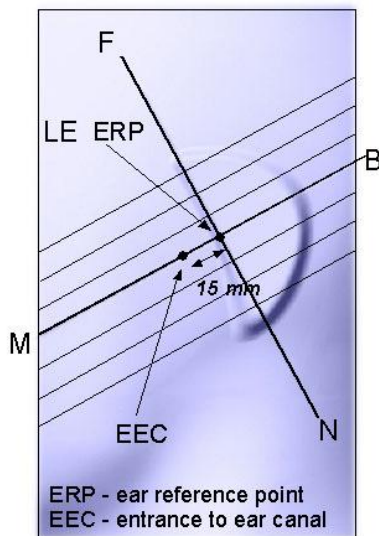
SAR scan procedures described in section 2.7 of KDB 865664 D01 v01r04 should be applied to body SAR test.

5.2. Test Position Definition

■ Head SAR Test Position

Define two imaginary lines on the handset—the vertical centerline and the horizontal line. The vertical centerline 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 [point A in Fixed case and Clamshell case], and the midpoint of the width w_b at the bottom of the handset (point B). The horizontal line is perpendicular to the vertical centerline and passes through the center of the acoustic output [see Fixed case]. 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 centerline is not necessarily parallel to the front face of the handset [see Clamshell case], especially for clamshell handsets, handsets with flip covers, and other irregularly-shaped handsets, the vertical centerline passes through point A but not the tip edge of the phone.





Key

- B Direction of B-M line back endpoint
- F Direction of N-F line front endpoint
- N Direction of N-F line neck endpoint
- M Mouth reference point
- LE Left ear reference point (ERP)

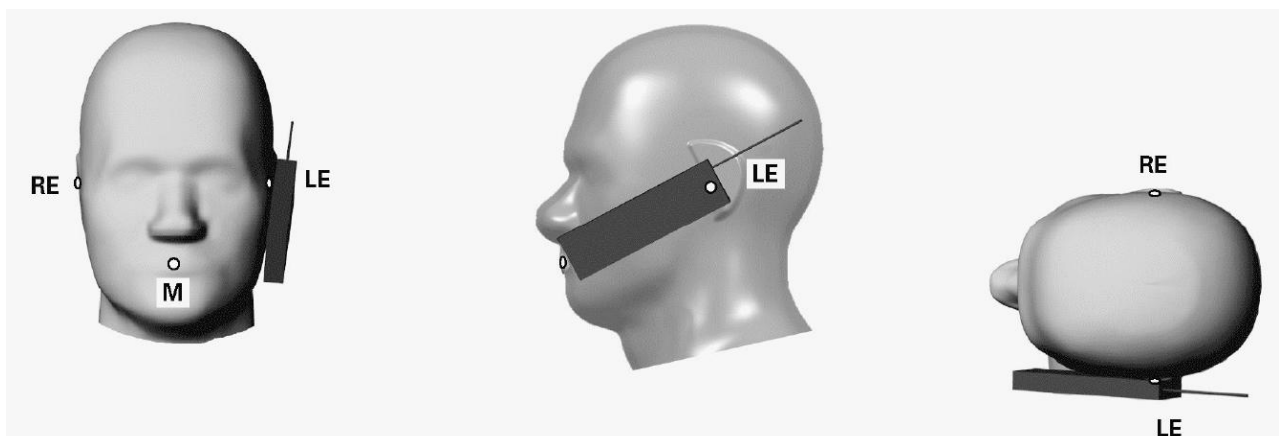
Key

- B Line B-M back endpoint
- M Line B-M front endpoint
- N Line N-F neck endpoint
- F Line N-F front endpoint
- RE Right ear reference point (ERP)

Cheek Position

The cheek position has the following characteristics, based on the geometrical lines described above:

- The N-F line (see above) is in the plane defined by the handset vertical centerline and horizontal line
- Handset touches the pinna
- The handset vertical centerline is aligned with the Reference Plane.



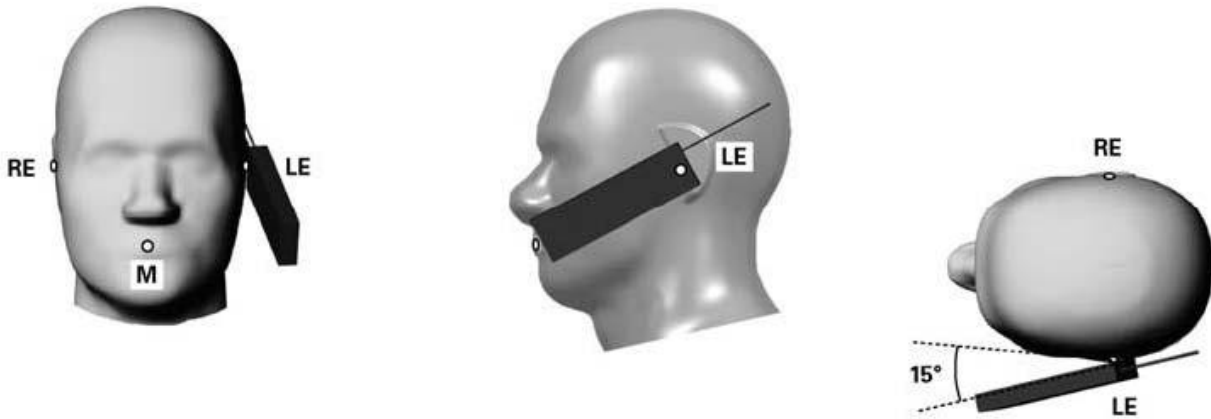
Key

- M Mouth reference point
- LE Left ear reference point
- RE Right ear reference point

Tilt Position

The tilt position is established as follows:

- Repeat the steps to place the device in the cheek position.
- While maintaining the orientation of the handset, move the handset away from the pinna along the line passing through RE and LE far enough to allow a rotation of the handset away from the cheek by 15° .
- Rotate the handset around the horizontal line by 15° .
- While maintaining the orientation of the handset, move the handset towards the phantom on the line passing through RE and LE until any part of the handset touches the ear. The tilt position is obtained when the contact point is on the pinna. If contact occurs at any location other than the pinna, e.g., the antenna at the back of the phantom head, the angle of the handset shall be reduced. In this case, the tilt position is obtained if any point on the handset is in contact with the pinna and a second point on the handset is in contact with the phantom, e.g., the antenna with the back of the head.



Key

- M Mouth reference point
- LE Left ear reference point
- RE Right ear reference point

■ Body SAR Test Position

A typical example of a body-worn device is a mobile phone, wireless enabled PDA or other battery operated wireless device with the ability to transmit while mounted on a person's body using a carry accessory approved by the wireless device manufacturer.

If the user instructions provided by the manufacturer specify intended use with a carry accessory (belt-clip, holster, carry-case or similar), the device shall be placed as intended in that carry accessory and the carry accessory shall be placed in the intended orientation against the flat phantom.

For carry accessories that do not contain conductive materials (e.g. metal), it is acceptable to substitute the carry accessory with an air-gap or a spacer that keeps the DUT at a distance from the phantom surface no greater than the distance provided by the carry accessory.

If the intended use is not specified in the user instructions, the device shall be tested with all its surfaces directly against the flat phantom.

5.3. Test Procedure

Step 1 Setup a Connection

First, engineer should record the conducted power before the test. Then establish a call in handset at the maximum power level with a base station simulator via air interface, or make the EUT establish transmission by itself in testing band. Place the EUT to certain test position.

Step 2 Power Reference Measurements

To measure the local E-field value at a fixed location which value will be taken as a reference value for calculating a possible power drift.

Step 3 Area Scan

The Area Scan is used as a fast scan in two dimensions to find the area of high field values, before doing a fine measurement around the hot spot. The sophisticated interpolation routines implemented in DASY software can find the maximum locations even in relatively coarse grids. When an Area Scan has measured all reachable points, it computes the field maximal found in the scanned area, within a range of the global maximum. The range (in dB) is specified in the standards for compliance testing. For example, a 2 dB range is required in IEEE Standard 1528 and IEC 62209 standards, whereby 3 dB is a requirement when compliance is assessed in accordance with the ARIB standard (Japan). If only one Zoom Scan follows the Area Scan, then only the absolute maximum will be taken as reference. For cases where multiple maximums are detected, the number of Zoom Scans has to be increased accordingly.

Area Scan Parameters extracted from KDB 865664 D01 v01r04

	≤ 3 GHz	> 3 GHz
Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface	5 mm ± 1 mm	$\frac{1}{2} \cdot \delta \cdot \ln(2)$ mm ± 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.	
Note: δ is the penetration depth of a plane-wave at normal incidence to the tissue medium; see IEEE Std 1528-2013 for details.		

Step 4 Zoom Scan

Zoom Scans are used to assess the peak spatial SAR values within a cubic averaging volume containing 1 g and 10 g of simulated tissue. The Zoom Scan measures points (refer to table below) within a cube whose base faces are centered on the maxima found in a preceding area scan job within the same procedure. When the measurement is done, the Zoom Scan evaluates the averaged SAR for 1 g and 10 g and displays these values next to the job's label.

Zoom Scan Parameters extracted from KDB 865664 D01 v01r04

			≤ 3 GHz	> 3 GHz
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 1 st two points closest to phantom surface	≤ 4 mm	3 - 4 GHz: ≤ 3 mm 4 - 5 GHz: ≤ 2.5 mm 5 - 6 GHz: ≤ 2 mm
		Δz _{Zoom} (n>1): between subsequent points	≤ 1.5·Δz _{Zoom} (n-1) mm	
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: * When zoom scan is required and the reported SAR from the area scan based 1-g SAR estimation procedures of KDB Publication 447498 is ≤ 1.4 W/kg, ≤ 8 mm, ≤ 7 mm and ≤ 5 mm zoom scan resolution may be applied, respectively, for 2 GHz to 3 GHz, 3 GHz to 4 GHz and 4 GHz to 6 GHz.				

Step 5 Power Drift Measurements

Repetition of the E-field measurement at the fixed location mentioned in Step 1 to make sure the two results differ by less than ± 0.2 dB.

Step 6 Test Data

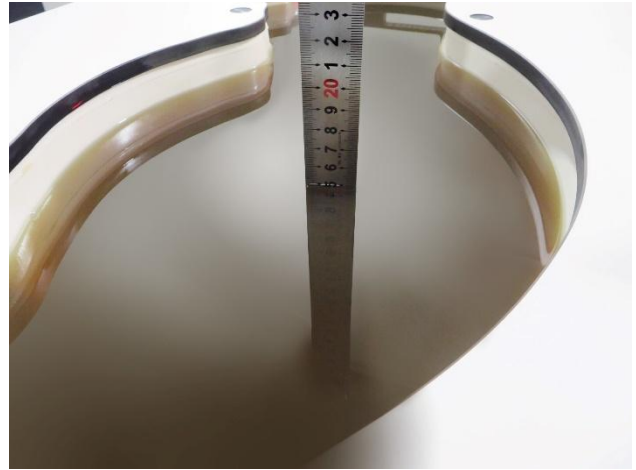
After the test, SAR test data should be exported by SEMCAD.

6. System Verification

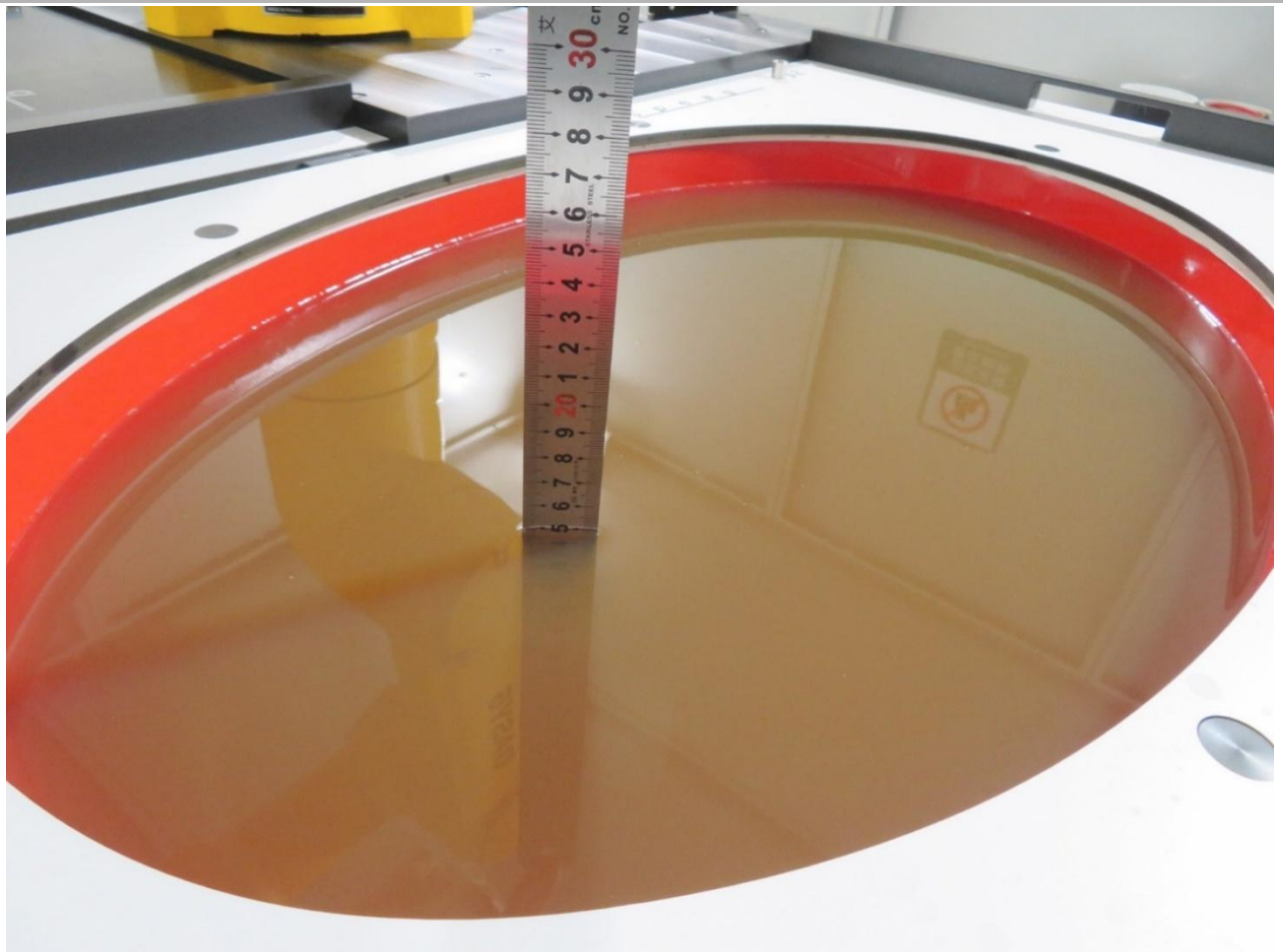
6.1. Tissue Check

- Refer to KDB 865664 D01 v01r04, the depth of tissue-equivalent liquid in a phantom must be ≥ 15.0 cm with $\leq \pm 0.5$ cm variation for SAR measurements ≤ 3 GHz and ≥ 10.0 cm with $\leq \pm 0.5$ cm variation for measurements > 3 GHz.

15 cm Depth Head Tissue for SAM Phantom



15 cm Depth Head Tissue for ELI Phantom



■ Dielectric properties of the head tissue-equivalent liquid

Frequency MHz	Relative Permittivity ϵ_r	Conductivity (σ) S/m
4	55.0	0.75
13	55.0	0.75
30	55.0	0.75
150	52.3	0.76
300	45.3	0.87
450	43.5	0.87
750	41.9	0.89
835	41.5	0.90
900	41.5	0.97
1 450	40.5	1.20
1 500	40.4	1.23
1 640	40.2	1.31
1 750	40.1	1.37
1 800	40.0	1.40
1 900	40.0	1.40
1 950	40.0	1.40
2 000	40.0	1.40
2 100	39.8	1.49
2 300	39.5	1.67
2 450	39.2	1.80
2 600	39.0	1.96
3 000	38.5	2.40
3 500	37.9	2.91
4 000	37.4	3.43
4 500	36.8	3.94
5 000	36.2	4.45
5 200	36.0	4.66
5 400	35.8	4.86
5 600	35.5	5.07
5 800	35.3	5.27
6 000	35.1	5.48
6 500	34.5	6.07
7 000	33.9	6.65
7 500	33.3	7.24

<i>8 000</i>	<i>32.7</i>	<i>7.84</i>
<i>8 500</i>	<i>32.1</i>	<i>8.46</i>
<i>9 000</i>	<i>31.6</i>	<i>9.08</i>
<i>9 500</i>	<i>31.0</i>	<i>9.71</i>
<i>1 0000</i>	<i>30.4</i>	<i>10.40</i>

Note: For convenience, permittivity and conductivity values are linearly interpolated for frequencies that are not a part of the original data from Drossos et al. [2]. They are shown in italics in Table 2. The italicized values are linearly interpolated (below 5 800 MHz) or extrapolated (above 5 800 MHz) from the non-italicized values that are immediately above and below these values.

■ Measured Results of Head Tissue-equivalent Liquid

The dielectric parameters of the liquids were verified prior to the SAR evaluation using DASY6 Dielectric Assessment Kit and keysight Network Analyzer.

Freq. (MHz)	Perm.	Cond.	Target Perm.	Target Cond.	Deviation Perm. %	Deviation Cond. %	Tissue Temperature	Test Date
2450	40.31	1.83	39.20	1.80	2.83	1.67	22.5 °C	2026-09-11
5250	35.41	4.61	35.93	4.71	-1.45	-2.12	22.5 °C	2026-09-12
5600	34.75	5.01	35.53	5.07	-2.20	-1.18	22.5 °C	2026-09-13
5800	34.39	5.24	35.30	5.27	-2.58	-0.57	22.5 °C	2026-09-14
6500	33.32	6.01	34.50	6.07	-3.42	-0.99	22.5 °C	2026-09-15

Notes:

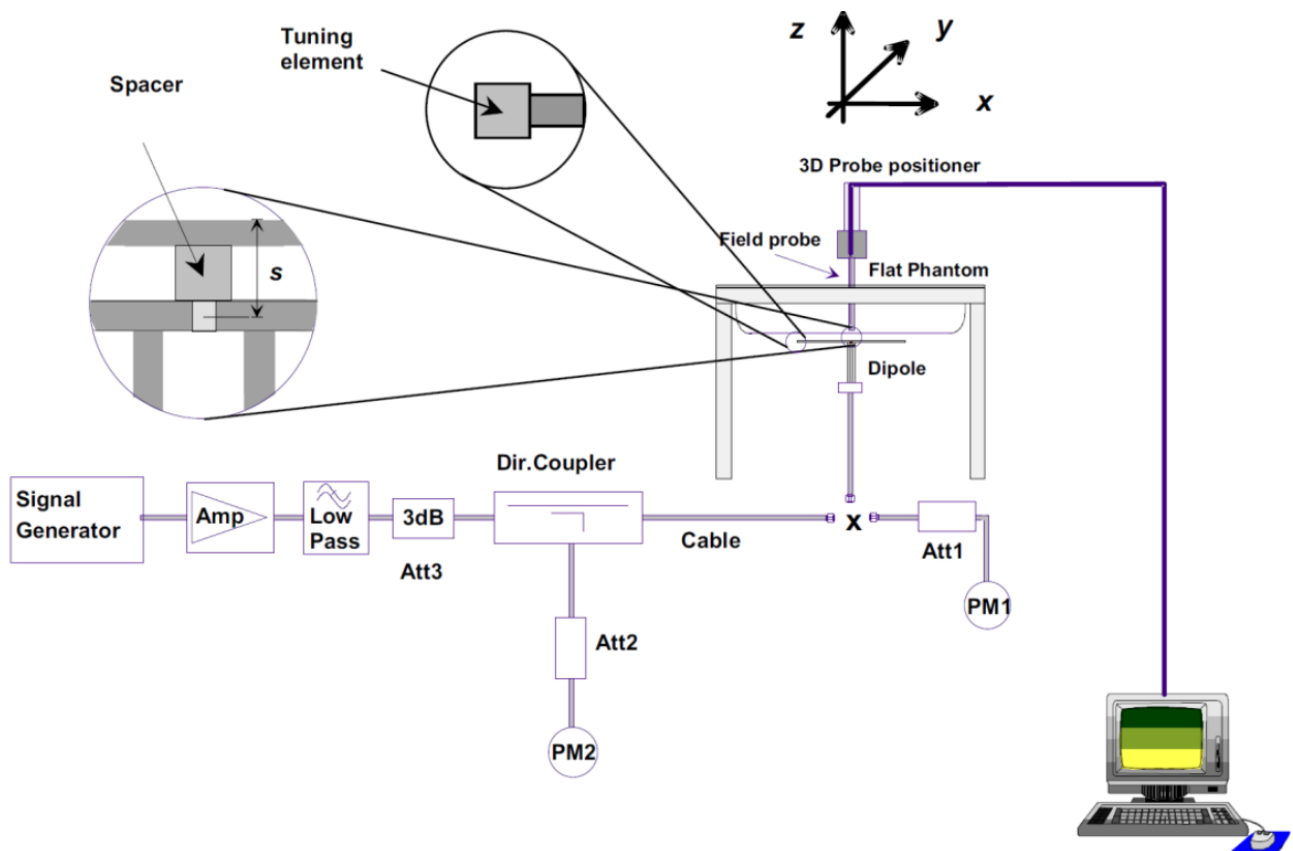
1. The $\pm 5\%$ deviation of tissue parameter is recommended.
2. SAR correction formula was used when deviation of tissue parameter exceeded 5%.

6.2. System Check

■ Purpose

The purpose of the system check is to verify that the system operates within its specifications at the device test frequencies. System check verifies the measurement repeatability of a SAR system before compliance testing and is not a validation of all system specifications. The latter is not required for testing a device but is mandatory before the system is deployed.

■ System Performance Check Setup Diagram



■ System Check Procedure

The system check procedure is a complete 1 g and 10 g peak spatial-average SAR measurement using a source having a previously determined system check target value. The measured 1 g and 10 g SAR are normalized to the target input power of the specific source and compared to their respective target values. A description of the different measurement tasks to be performed is given below, together with the information that can be deduced from their results:

- The Power Reference Measurement and Power Drift Measurement are located at the beginning and end of the batch process. They measure the field drift at one single point in the liquid over the complete procedure. The indicated drift is mainly the variation of the amplifier output power. If it is too high (above ± 0.1

dB), the system check should be repeated; some amplifiers have very high drift during warm-up. A stable amplifier gives drift results in the DASY6 system below ± 0.02 dB.

b. The second step is optional. For probes with integrated optical surface detection sensor this step must be conducted, otherwise the step can be skipped. The Surface Check tests the optical surface detection system of the DASY6 system by repeatedly detecting the surface with the optical and mechanical surface detector and comparing the results. The output gives the detecting heights of both systems, the difference between the two systems and the standard deviation of the detection repeatability. Air bubbles or refraction in the liquid due to separation of the sugar-water mixture gives poor repeatability (above ± 0.1 mm). In that case it is better to abort the system check and stir the liquid.

c. The Area Scan measures the SAR above the dipole on a plane parallel to the surface. It is used to locate the approximate location of the peak SAR. The proposed scan uses large grid spacing for faster measurement; due to the symmetric field, the peak detection is reliable. If a finer graphic is desired, the grid spacing can be reduced. Grid spacing and orientation have no influence on the SAR result.

d. The Zoom Scan measures the field in a volume around the peak SAR value assessed in the previous Area Scan.

If the system check gives reasonable results, the SAR peak, 1 g and 10 g spatial average SAR values normalized to 1 W dipole input power give reference data for comparisons. The next sections analyze the expected uncertainties of these values, as well as additional checks for further information or troubleshooting.

■ Result of System Performance Check

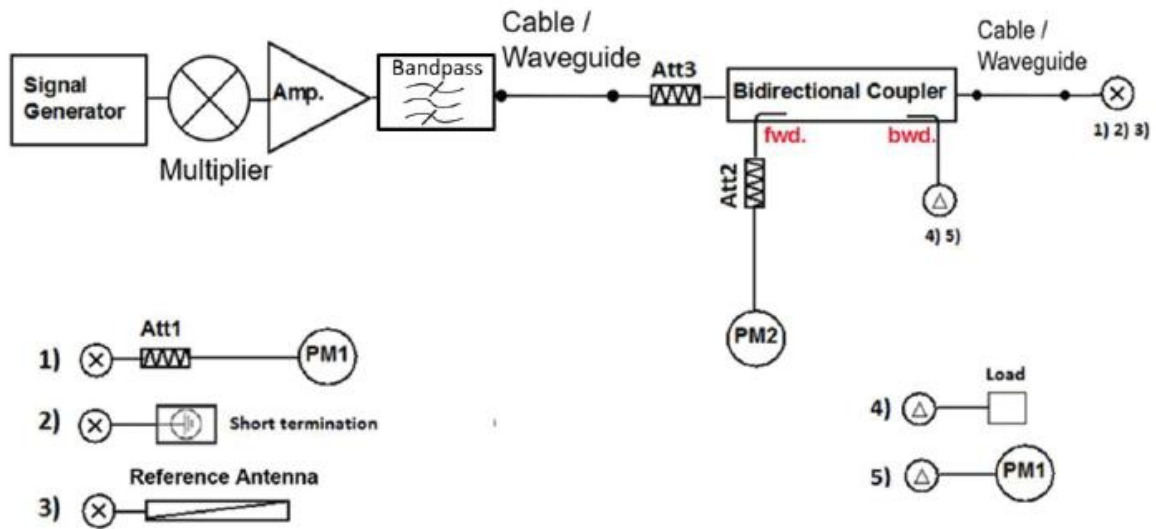
Freq. (MHz)	1 g SAR (W/kg)	10 g SAR (W/kg)	Target 1 g SAR (W/kg)	Target 10 g SAR (W/kg)	Deviation 1 g SAR (%)	Deviation 10 g SAR (%)	Tissue Temp.	Test Date
2450	52.00	24.52	53.00	24.70	-1.89	-0.73	22.5 °C	2026-09-11
5250	80.80	23.10	77.90	21.70	3.72	6.45	22.5 °C	2026-09-12
5600	85.30	24.30	81.70	22.70	4.41	7.05	22.5 °C	2026-09-13
5800	81.70	23.10	77.80	21.50	5.01	7.44	22.5 °C	2026-09-14
6500	306.00	57.40	301.00	55.50	1.66	3.42	22.5 °C	2026-09-15

Notes:

1. The $\pm 10\%$ deviation of system check result is required.
2. System check value listed above has been normalized to 1 W.

6.3. PD System Check

■ System Check Diagram



■ Result of System Performance Check

Freq. (GHz)	Measured total psPD averaged over 4 cm ² (W/m ²)	Target total psPD averaged over 4 cm ² (W/m ²)	Deviation (%)	Test Date
10	173	175	-1.14	2026-09-23

Note: The $\pm 10\%$ deviation of system check result is required.

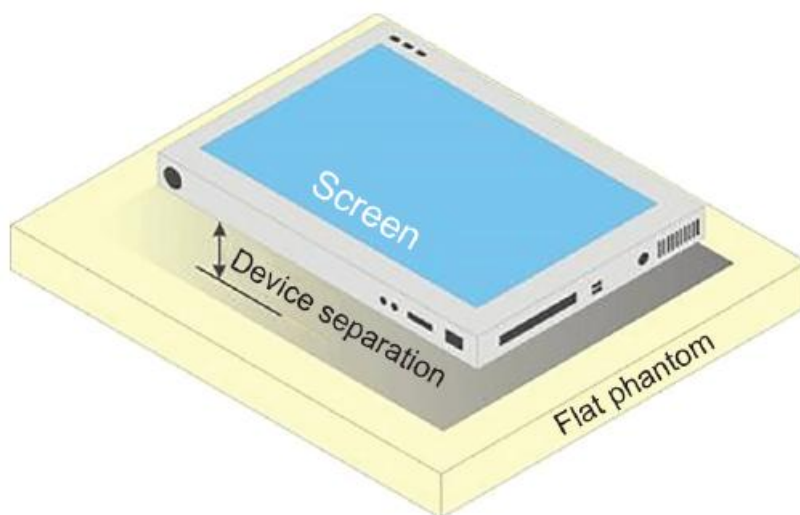
7. Proximity Sensor Triggering Test

7.1. Introduction

Proximity sensors are used to reduce the output power of the DUT based on the distance to users and nearby objects. When the device is operating at closer than the triggering distance of the proximity sensor, the maximum output power of a DUT is reduced to ensure SAR compliance. At distances larger than the sensor triggering distance, the proximity sensor is disabled and the maximum output power is restored.

7.2. Triggering distances for perpendicular orientation

Proximity sensor triggering distance testing was performed according to the procedures outlined in KDB 626217 v01r02 section 6.2, and EUT moving further away from and toward the flat phantom were both assessed. The details are illustrated as following, and the shortest triggering distances were reported and used for SAR assessment.

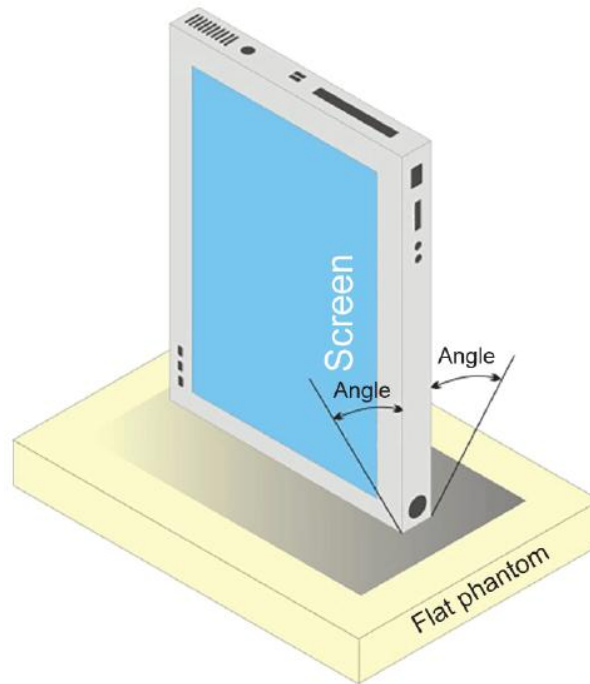


Antenna	Position	Minimum trigger distance (mm)	
		Moving toward	Moving away
ANT 3	Back	28	34
	Right	16	17
ANT 2	Back	19	22
	Right	23	30

7.3. Triggering distances for tilted orientation

For sensors located on the edge of a device, in addition to perpendicular triggering, influence of the DUT edge to the triggering distance shall also be evaluated with the device edge positioned at different angles from normal to the phantom.

The influence of table tilt angle to proximity sensor was performed according to the procedures outlined in KDB 626217 v01r02 section 6.4. The details are illustrated as follows.



Antenna	Position	Distance (mm)	Sensor State										
			-45°	-40°	-30°	-20°	-10°	0°	10°	20°	30°	40°	45°
ANT 3	Right	16	On	On	On	On	On	On	On	On	On	On	On
ANT 2	Right	23	On	On	On	On	On	On	On	On	On	On	On

7.4. Triggering distances for sensor coverage area

Since the antenna and sensor are collocated and all of the peak SAR location is overlapping with the sensor pad on this device, these procedures do not apply and are not required.

7.5. Test distance

Two different maximum output power levels are applied according to the triggering conditions of the proximity sensor. SAR measurements shall be performed for the two different maximum output power state and test distance combinations.

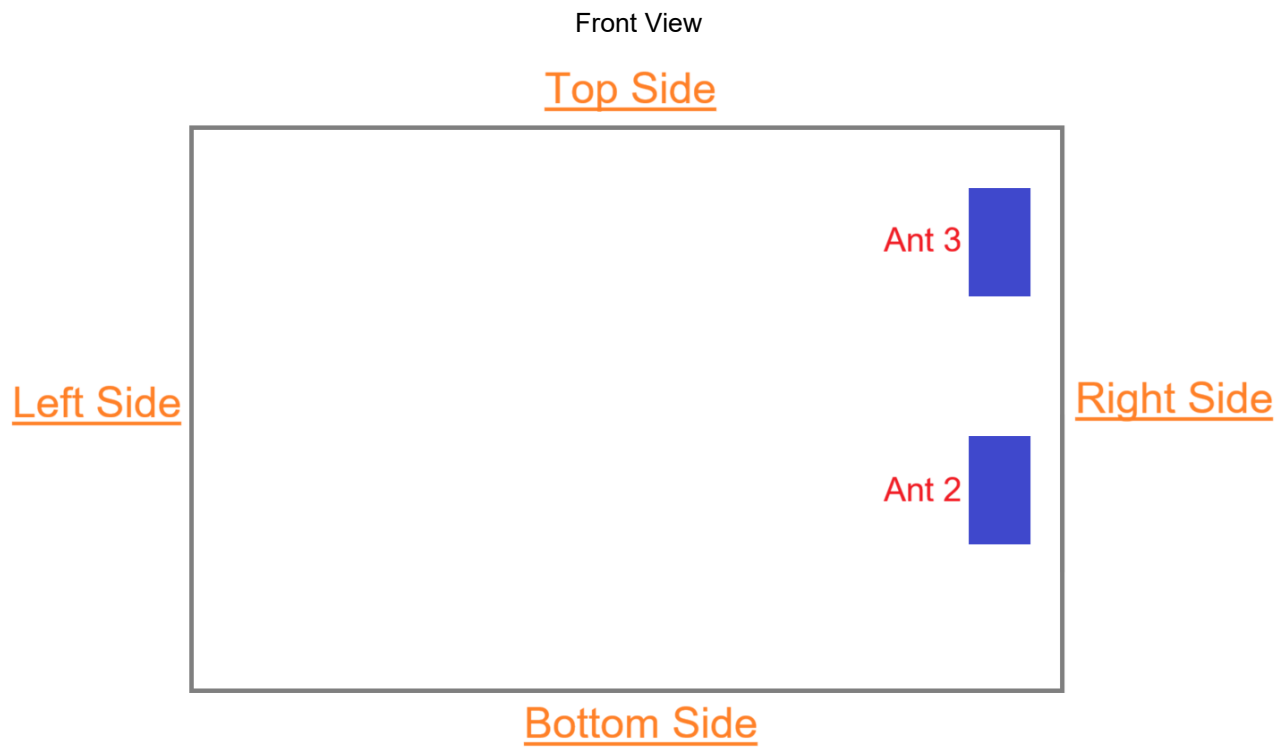
- a) Full power: SAR tests shall be performed at the test separation distance corresponding to the minimum sensor triggering distance minus 1 mm among all above triggering and coverage tests.
- b) Reduced power: SAR tests shall be performed at the closest intended use distance or at the closest distance required by the regulator.

Antenna	Position	Test distance (mm)
ANT 3	Back	18
	Right	15
ANT 2	Back	18
	Right	15

Note: The same test distance is used for ANT 3 and ANT 2 to obtain more conservative results.

8. Analysis and Results

8.1. Antenna Location



Note: The overall diagonal dimension of EUT is 295 mm.

8.2. Conducted Power

■ DTS Band Wi-Fi - Full Power

Mode	CH	Freq. (MHz)	ANT 3 Average Power (dBm)	ANT 3 Max. Tune-up Power (dBm)	ANT 2 average Power (dBm)	ANT 2 Max. Tune-up Power (dBm)	Total Average Power (dBm)	Total Max. Tune-up Power (dBm)	Duty Cycle %
b	1	2412	16.58	17.0	17.50	18.0	20.07	20.5	97.08
	6	2437	16.28	17.0	17.48	18.0	19.93	20.5	
	11	2462	16.30	17.0	17.44	18.0	19.92	20.5	
g	1	2412	15.31	16.0	15.14	16.0	18.24	19.0	99.43
	6	2437	15.37	16.0	15.11	16.0	18.25	19.0	
	11	2462	15.50	16.0	15.20	16.0	18.36	19.0	
n-HT20	1	2412	14.42	15.0	14.35	15.0	17.40	18.0	99.82
	6	2437	14.47	15.0	14.39	15.0	17.44	18.0	
	11	2462	14.42	15.0	14.33	15.0	17.39	18.0	
n-HT40	3	2422	13.34	14.0	13.49	14.0	16.43	17.0	99.08
	6	2437	13.49	14.0	13.27	14.0	16.39	17.0	
	9	2452	11.86	12.5	11.98	12.5	14.93	15.5	
VHT20	1	2412	14.32	15.0	14.30	15.0	17.32	18.0	99.63
	6	2437	14.50	15.0	14.12	15.0	17.32	18.0	
	11	2462	14.21	15.0	14.32	15.0	17.28	18.0	
VHT40	3	2422	13.46	14.0	13.34	14.0	16.41	17.0	99.08
	6	2437	13.45	14.0	13.26	14.0	16.37	17.0	
	9	2452	11.78	12.5	11.95	12.5	14.88	15.5	
ax-HE20	1	2412	12.43	13.0	12.21	13.0	15.33	16.0	99.82
	6	2437	12.22	13.0	12.30	13.0	15.27	16.0	
	11	2462	11.81	13.0	11.88	13.0	14.86	16.0	
ax-HE40	3	2422	11.47	12.0	11.41	12.0	14.45	15.0	99.27
	6	2437	11.34	12.0	11.43	12.0	14.40	15.0	
	9	2452	11.42	12.0	11.35	12.0	14.40	15.0	
be-EHT20	1	2412	12.43	13.0	12.34	13.0	15.40	16.0	99.82
	6	2437	12.43	13.0	12.32	13.0	15.39	16.0	
	11	2462	11.88	13.0	11.94	13.0	14.92	16.0	
be-EHT40	3	2422	11.50	12.0	11.44	12.0	14.48	15.0	99.45
	6	2437	11.46	12.0	11.35	12.0	14.42	15.0	
	9	2452	11.47	12.0	11.39	12.0	14.44	15.0	

■ DTS Band Wi-Fi - Reduced Power_Standalone

Mode	CH	Freq. (MHz)	ANT 3 Average Power (dBm)	ANT 3 Max. Tune-up Power (dBm)	ANT 2 average Power (dBm)	ANT 2 Max. Tune-up Power (dBm)	Total Average Power (dBm)	Total Max. Tune-up Power (dBm)	Duty Cycle %
b	1	2412	13.53	14.5	14.18	15.0	16.88	17.8	97.08
	6	2437	13.79	14.5	14.62	15.0	17.24	17.8	
	11	2462	13.97	14.5	14.54	15.0	17.27	17.8	
g	1	2412	NR	14.5	NR	15.0	NR	17.8	99.43
	6	2437	NR	14.5	NR	15.0	NR	17.8	
	11	2462	NR	14.5	NR	15.0	NR	17.8	
n-HT20	1	2412	NR	14.5	NR	15.0	NR	17.8	99.82
	6	2437	NR	14.5	NR	15.0	NR	17.8	
	11	2462	NR	14.5	NR	15.0	NR	17.8	
n-HT40	3	2422	NR	14.5	NR	15.0	NR	17.8	99.08
	6	2437	NR	14.5	NR	15.0	NR	17.8	
	9	2452	NR	14.5	NR	15.0	NR	17.8	
VHT20	1	2412	NR	14.5	NR	15.0	NR	17.8	99.63
	6	2437	NR	14.5	NR	15.0	NR	17.8	
	11	2462	NR	14.5	NR	15.0	NR	17.8	
VHT40	3	2422	NR	14.5	NR	15.0	NR	17.8	99.08
	6	2437	NR	14.5	NR	15.0	NR	17.8	
	9	2452	NR	14.5	NR	15.0	NR	17.8	
ax-HE20	1	2412	NR	14.5	NR	15.0	NR	17.8	99.82
	6	2437	NR	14.5	NR	15.0	NR	17.8	
	11	2462	NR	14.5	NR	15.0	NR	17.8	
ax-HE40	3	2422	NR	14.5	NR	15.0	NR	17.8	99.27
	6	2437	NR	14.5	NR	15.0	NR	17.8	
	9	2452	NR	14.5	NR	15.0	NR	17.8	
be-EHT20	1	2412	NR	14.5	NR	15.0	NR	17.8	99.82
	6	2437	NR	14.5	NR	15.0	NR	17.8	
	11	2462	NR	14.5	NR	15.0	NR	17.8	
be-EHT40	3	2422	NR	14.5	NR	15.0	NR	17.8	99.45
	6	2437	NR	14.5	NR	15.0	NR	17.8	
	9	2452	NR	14.5	NR	15.0	NR	17.8	

Note: NR = Not Required.

■ DTS Band Wi-Fi - Reduced Power_DBS/HBS

Mode	CH	Freq. (MHz)	ANT 3 Average Power (dBm)	ANT 3 Max. Tune-up Power (dBm)	ANT 2 average Power (dBm)	ANT 2 Max. Tune-up Power (dBm)	Total Average Power (dBm)	Total Max. Tune-up Power (dBm)	Duty Cycle %
b	1	2412	12.05	12.5	12.71	13.0	15.40	15.8	97.08
	6	2437	12.55	13.0	13.24	13.5	15.92	16.3	
	11	2462	12.09	12.5	13.02	13.5	15.59	16.0	
g	1	2412	NR	12.5	NR	13.0	NR	15.8	99.43
	6	2437	NR	12.5	NR	13.0	NR	15.8	
	11	2462	NR	12.5	NR	13.0	NR	15.8	
n-HT20	1	2412	NR	12.5	NR	13.0	NR	15.8	99.82
	6	2437	NR	12.5	NR	13.0	NR	15.8	
	11	2462	NR	12.5	NR	13.0	NR	15.8	
n-HT40	3	2422	NR	12.5	NR	13.0	NR	15.8	99.08
	6	2437	NR	12.5	NR	13.0	NR	15.8	
	9	2452	NR	12.5	NR	13.0	NR	15.8	
VHT20	1	2412	NR	12.5	NR	13.0	NR	15.8	99.63
	6	2437	NR	12.5	NR	13.0	NR	15.8	
	11	2462	NR	12.5	NR	13.0	NR	15.8	
VHT40	3	2422	NR	12.5	NR	13.0	NR	15.8	99.08
	6	2437	NR	12.5	NR	13.0	NR	15.8	
	9	2452	NR	12.5	NR	13.0	NR	15.8	
ax-HE20	1	2412	NR	12.5	NR	13.0	NR	15.8	99.82
	6	2437	NR	12.5	NR	13.0	NR	15.8	
	11	2462	NR	12.5	NR	13.0	NR	15.8	
ax-HE40	3	2422	NR	12.5	NR	13.0	NR	15.8	99.27
	6	2437	NR	12.5	NR	13.0	NR	15.8	
	9	2452	NR	12.5	NR	13.0	NR	15.8	
be-EHT20	1	2412	NR	12.5	NR	13.0	NR	15.8	99.82
	6	2437	NR	12.5	NR	13.0	NR	15.8	
	11	2462	NR	12.5	NR	13.0	NR	15.8	
be-EHT40	3	2422	NR	12.5	NR	13.0	NR	15.8	99.45
	6	2437	NR	12.5	NR	13.0	NR	15.8	
	9	2452	NR	12.5	NR	13.0	NR	15.8	

Note: NR = Not Required.

■ U-NII-1 Band Wi-Fi - Full Power

Mode	CH	Freq. (MHz)	ANT 3 Average Power (dBm)	ANT 3 Max. Tune-up Power (dBm)	ANT 2 average Power (dBm)	ANT 2 Max. Tune-up Power (dBm)	Total Average Power (dBm)	Total Max. Tune-up Power (dBm)	Duty Cycle %
a	36	5180	15.10	16.0	14.38	15.0	17.77	18.5	97.78
	40	5200	15.08	16.0	14.27	15.0	17.70	18.5	
	48	5240	15.22	16.0	14.34	15.0	17.81	18.5	
n-HT20	36	5180	12.99	14.0	12.00	13.0	15.53	16.5	99.82
	40	5200	13.01	14.0	12.11	13.0	15.59	16.5	
	48	5240	13.11	14.0	12.15	13.0	15.67	16.5	
n-HT40	38	5190	12.70	13.5	11.82	12.5	15.29	16.0	99.82
	46	5230	12.54	13.5	11.78	12.5	15.19	16.0	
ac-VHT20	36	5180	13.07	14.0	12.11	13.0	15.63	16.5	99.82
	40	5200	13.05	14.0	12.14	13.0	15.63	16.5	
	48	5240	13.25	14.0	12.34	13.0	15.83	16.5	
ac-VHT40	38	5190	12.72	13.5	11.92	12.5	15.35	16.0	99.63
	46	5230	12.65	13.5	11.82	12.5	15.27	16.0	
ac-VHT80	42	5210	12.13	13.0	11.26	12.0	14.73	15.5	99.63
ax-HE20	36	5180	11.09	12.0	10.23	11.0	13.69	14.5	99.63
	40	5200	11.02	12.0	10.13	11.0	13.61	14.5	
	48	5240	11.00	12.0	10.04	11.0	13.56	14.5	
ax-HE40	38	5190	10.87	11.5	10.01	11.5	13.47	14.5	99.45
	46	5230	10.34	11.5	10.23	11.5	13.30	14.5	
ax-HE80	42	5210	10.23	11.0	10.24	11.0	13.25	14.0	99.63
be-EHT20	36	5180	11.12	12.0	10.34	11.0	13.76	14.5	99.82
	40	5200	11.08	12.0	10.30	11.0	13.72	14.5	
	48	5240	11.03	12.0	10.18	11.0	13.64	14.5	
be-EHT40	38	5190	10.98	11.5	10.04	11.5	13.55	14.5	99.45
	46	5230	10.67	11.5	10.45	11.5	13.57	14.5	
be-EHT80	42	5210	10.42	11.0	10.36	11.0	13.40	14.0	99.82

■ U-NII-1 Band Wi-Fi - Reduced Power_Standalone

Mode	CH	Freq. (MHz)	ANT 3 Average Power (dBm)	ANT 3 Max. Tune-up Power (dBm)	ANT 2 average Power (dBm)	ANT 2 Max. Tune-up Power (dBm)	Total Average Power (dBm)	Total Max. Tune-up Power (dBm)	Duty Cycle %
a	36	5180	NR	14.5	NR	13.5	NR	17.0	97.78
	40	5200	NR	14.5	NR	13.5	NR	17.0	
	48	5240	NR	14.5	NR	13.5	NR	17.0	
n-HT20	36	5180	NR	14.0	NR	13.0	NR	16.5	99.82
	40	5200	NR	14.0	NR	13.0	NR	16.5	
	48	5240	NR	14.0	NR	13.0	NR	16.5	
n-HT40	38	5190	NR	13.5	NR	12.5	NR	16.0	99.82
	46	5230	NR	13.5	NR	12.5	NR	16.0	
ac-VHT20	36	5180	NR	14.0	NR	13.0	NR	16.5	99.82
	40	5200	NR	14.0	NR	13.0	NR	16.5	
	48	5240	NR	14.0	NR	13.0	NR	16.5	
ac-VHT40	38	5190	NR	13.5	NR	12.5	NR	16.0	99.63
	46	5230	NR	13.5	NR	12.5	NR	16.0	
ac-VHT80	42	5210	NR	13.0	NR	12.0	NR	15.5	99.63
ax-HE20	36	5180	NR	12.0	NR	11.0	NR	14.5	99.63
	40	5200	NR	12.0	NR	11.0	NR	14.5	
	48	5240	NR	12.0	NR	11.0	NR	14.5	
ax-HE40	38	5190	NR	11.5	NR	11.5	NR	14.5	99.45
	46	5230	NR	11.5	NR	11.5	NR	14.5	
ax-HE80	42	5210	NR	11.0	NR	11.0	NR	14.0	99.63
be-EHT20	36	5180	NR	12.0	NR	11.0	NR	14.5	99.82
	40	5200	NR	12.0	NR	11.0	NR	14.5	
	48	5240	NR	12.0	NR	11.0	NR	14.5	
be-EHT40	38	5190	NR	11.5	NR	11.5	NR	14.5	99.45
	46	5230	NR	11.5	NR	11.5	NR	14.5	
be-EHT80	42	5210	NR	11.0	NR	11.0	NR	14.0	99.82

Note: NR = Not Required.

■ U-NII-1 Band Wi-Fi - Reduced Power_DBS/HBS

Mode	CH	Freq. (MHz)	ANT 3 Average Power (dBm)	ANT 3 Max. Tune-up Power (dBm)	ANT 2 average Power (dBm)	ANT 2 Max. Tune-up Power (dBm)	Total Average Power (dBm)	Total Max. Tune-up Power (dBm)	Duty Cycle %
a	36	5180	NR	13.0	NR	12.0	NR	15.5	97.78
	40	5200	NR	13.0	NR	12.0	NR	15.5	
	48	5240	NR	13.0	NR	12.0	NR	15.5	
n-HT20	36	5180	NR	13.0	NR	12.0	NR	15.5	99.82
	40	5200	NR	13.0	NR	12.0	NR	15.5	
	48	5240	NR	13.0	NR	12.0	NR	15.5	
n-HT40	38	5190	NR	13.0	NR	12.0	NR	15.5	99.82
	46	5230	NR	13.0	NR	12.0	NR	15.5	
ac-VHT20	36	5180	NR	13.0	NR	12.0	NR	15.5	99.82
	40	5200	NR	13.0	NR	12.0	NR	15.5	
	48	5240	NR	13.0	NR	12.0	NR	15.5	
ac-VHT40	38	5190	NR	13.0	NR	12.0	NR	15.5	99.63
	46	5230	NR	13.0	NR	12.0	NR	15.5	
ac-VHT80	42	5210	NR	13.0	NR	12.0	NR	15.5	99.63
ax-HE20	36	5180	NR	12.0	NR	11.0	NR	14.5	99.63
	40	5200	NR	12.0	NR	11.0	NR	14.5	
	48	5240	NR	12.0	NR	11.0	NR	14.5	
ax-HE40	38	5190	NR	11.5	NR	11.5	NR	14.5	99.45
	46	5230	NR	11.5	NR	11.5	NR	14.5	
ax-HE80	42	5210	NR	11.0	NR	11.0	NR	14.0	99.63
be-EHT20	36	5180	NR	12.0	NR	11.0	NR	14.5	99.82
	40	5200	NR	12.0	NR	11.0	NR	14.5	
	48	5240	NR	12.0	NR	11.0	NR	14.5	
be-EHT40	38	5190	NR	11.5	NR	11.5	NR	14.5	99.45
	46	5230	NR	11.5	NR	11.5	NR	14.5	
be-EHT80	42	5210	NR	11.0	NR	11.0	NR	14.0	99.82

Note: NR = Not Required.

■ U-NII-2A Band Wi-Fi - Full Power

Mode	CH	Freq. (MHz)	ANT 3 Average Power (dBm)	ANT 3 Max. Tune-up Power (dBm)	ANT 2 average Power (dBm)	ANT 2 Max. Tune-up Power (dBm)	Total Average Power (dBm)	Total Max. Tune-up Power (dBm)	Duty Cycle %
a	52	5260	15.09	16.0	14.43	15.0	17.78	18.5	97.78
	60	5300	15.13	16.0	14.32	15.0	17.75	18.5	
	64	5320	15.18	16.0	14.74	15.0	17.98	18.5	
n-HT20	52	5260	13.02	14.0	12.05	13.0	15.57	16.5	99.82
	60	5300	12.98	14.0	12.00	13.0	15.53	16.5	
	64	5320	13.01	14.0	12.05	13.0	15.57	16.5	
n-HT40	54	5270	12.74	13.5	11.88	12.5	15.34	16.0	99.82
	62	5310	12.71	13.5	11.85	12.5	15.31	16.0	
ac-VHT20	52	5260	13.11	14.0	12.12	13.0	15.65	16.5	99.82
	60	5300	12.99	14.0	12.00	13.0	15.53	16.5	
	64	5320	13.08	14.0	12.09	13.0	15.62	16.5	
ac-VHT40	54	5270	12.77	13.5	11.92	12.5	15.38	16.0	99.63
	62	5310	12.76	13.5	11.88	12.5	15.35	16.0	
ac-VHT80	58	5290	12.15	13.0	11.36	12.0	14.78	15.5	99.63
ac-VHT160	50	5250	11.21	12.0	10.24	11.0	13.76	14.5	99.82
ax-HE20	52	5260	11.06	12.0	10.15	11.0	13.64	14.5	99.63
	60	5300	11.02	12.0	10.03	11.0	13.56	14.5	
	64	5320	11.06	12.0	10.12	11.0	13.63	14.5	
ax-HE40	54	5270	10.24	11.5	10.13	11.5	13.20	14.5	99.45
	62	5310	10.76	11.5	10.57	11.5	13.68	14.5	
ax-HE80	58	5290	10.24	11.0	10.24	11.0	13.25	14.0	99.63
ax-HE160	50	5250	9.43	10.5	8.45	9.5	11.98	13.0	99.45
be-EHT20	52	5260	11.18	12.0	10.30	11.0	13.77	14.5	99.82
	60	5300	11.15	12.0	10.18	11.0	13.70	14.5	
	64	5320	11.17	12.0	10.26	11.0	13.75	14.5	
be-EHT40	54	5270	10.70	11.5	10.35	11.5	13.54	14.5	99.45
	62	5310	10.94	11.5	10.74	11.5	13.85	14.5	
be-EHT80	58	5290	10.42	11.0	10.33	11.0	13.39	14.0	99.82
be-EHT160	50	5250	9.58	10.5	8.63	9.5	12.14	13.0	99.64

■ U-NII-2A Band Wi-Fi - Reduced Power_Standalone

Mode	CH	Freq. (MHz)	ANT 3 Average Power (dBm)	ANT 3 Max. Tune-up Power (dBm)	ANT 2 average Power (dBm)	ANT 2 Max. Tune-up Power (dBm)	Total Average Power (dBm)	Total Max. Tune-up Power (dBm)	Duty Cycle %
a	52	5260	14.25	14.5	13.28	13.5	16.80	17.0	97.78
	60	5300	14.26	14.5	13.17	13.5	16.76	17.0	
	64	5320	14.31	14.5	13.27	13.5	16.83	17.0	
n-HT20	52	5260	13.02	14.0	12.05	13.0	15.57	16.5	99.82
	60	5300	12.98	14.0	12.00	13.0	15.53	16.5	
	64	5320	13.01	14.0	12.05	13.0	15.57	16.5	
n-HT40	54	5270	12.74	13.5	11.88	12.5	15.34	16.0	99.82
	62	5310	12.71	13.5	11.85	12.5	15.31	16.0	
ac-VHT20	52	5260	13.11	14.0	12.12	13.0	15.65	16.5	99.82
	60	5300	12.99	14.0	12.00	13.0	15.53	16.5	
	64	5320	13.08	14.0	12.09	13.0	15.62	16.5	
ac-VHT40	54	5270	12.77	13.5	11.92	12.5	15.38	16.0	99.63
	62	5310	12.76	13.5	11.88	12.5	15.35	16.0	
ac-VHT80	58	5290	12.15	13.0	11.36	12.0	14.78	15.5	99.63
ac-VHT160	50	5250	11.21	12.0	10.24	11.0	13.76	14.5	99.82
ax-HE20	52	5260	11.06	12.0	10.15	11.0	13.64	14.5	99.63
	60	5300	11.02	12.0	10.03	11.0	13.56	14.5	
	64	5320	11.06	12.0	10.12	11.0	13.63	14.5	
ax-HE40	54	5270	10.24	11.5	10.13	11.5	13.20	14.5	99.45
	62	5310	10.76	11.5	10.57	11.5	13.68	14.5	
ax-HE80	58	5290	10.24	11.0	10.24	11.0	13.25	14.0	99.63
ax-HE160	50	5250	9.43	10.5	8.45	9.5	11.98	13.0	99.45
be-EHT20	52	5260	11.18	12.0	10.30	11.0	13.77	14.5	99.82
	60	5300	11.15	12.0	10.18	11.0	13.70	14.5	
	64	5320	11.17	12.0	10.26	11.0	13.75	14.5	
be-EHT40	54	5270	10.70	11.5	10.35	11.5	13.54	14.5	99.45
	62	5310	10.94	11.5	10.74	11.5	13.85	14.5	
be-EHT80	58	5290	10.42	11.0	10.33	11.0	13.39	14.0	99.82
be-EHT160	50	5250	9.58	10.5	8.63	9.5	12.14	13.0	99.64

■ U-NII-2A Band Wi-Fi - Reduced Power_DBS/HBS

Mode	CH	Freq. (MHz)	ANT 3 Average Power (dBm)	ANT 3 Max. Tune-up Power (dBm)	ANT 2 average Power (dBm)	ANT 2 Max. Tune-up Power (dBm)	Total Average Power (dBm)	Total Max. Tune-up Power (dBm)	Duty Cycle %
a	52	5260	12.30	13.0	11.46	12.0	14.91	15.5	97.78
	60	5300	12.61	13.0	11.66	12.0	15.17	15.5	
	64	5320	12.82	13.0	11.82	12.0	15.36	15.5	
n-HT20	52	5260	NR	13.0	NR	12.0	NR	15.5	99.82
	60	5300	NR	13.0	NR	12.0	NR	15.5	
	64	5320	NR	13.0	NR	12.0	NR	15.5	
n-HT40	54	5270	NR	13.0	NR	12.0	NR	15.5	99.82
	62	5310	NR	13.0	NR	12.0	NR	15.5	
ac-VHT20	52	5260	NR	13.0	NR	12.0	NR	15.5	99.82
	60	5300	NR	13.0	NR	12.0	NR	15.5	
	64	5320	NR	13.0	NR	12.0	NR	15.5	
ac-VHT40	54	5270	NR	13.0	NR	12.0	NR	15.5	99.63
	62	5310	NR	13.0	NR	12.0	NR	15.5	
ac-VHT80	58	5290	NR	13.0	NR	12.0	NR	15.5	99.63
ac-VHT160	50	5250	NR	12.0	NR	11.0	NR	14.5	99.82
ax-HE20	52	5260	NR	12.0	NR	11.0	NR	14.5	99.63
	60	5300	NR	12.0	NR	11.0	NR	14.5	
	64	5320	NR	12.0	NR	11.0	NR	14.5	
ax-HE40	54	5270	NR	11.5	NR	11.5	NR	14.5	99.45
	62	5310	NR	11.5	NR	11.5	NR	14.5	
ax-HE80	58	5290	NR	11.0	NR	11.0	NR	14.0	99.63
ax-HE160	50	5250	NR	10.5	NR	9.5	NR	13.0	99.45
be-EHT20	52	5260	NR	12.0	NR	11.0	NR	14.5	99.82
	60	5300	NR	12.0	NR	11.0	NR	14.5	
	64	5320	NR	12.0	NR	11.0	NR	14.5	
be-EHT40	54	5270	NR	11.5	NR	11.5	NR	14.5	99.45
	62	5310	NR	11.5	NR	11.5	NR	14.5	
be-EHT80	58	5290	NR	11.0	NR	11.0	NR	14.0	99.82
be-EHT160	50	5250	NR	10.5	NR	9.5	NR	13.0	99.64

Note: NR = Not Required.

■ U-NII-2C Band Wi-Fi - Full Power

Mode	CH	Freq. (MHz)	ANT 3 Average Power (dBm)	ANT 3 Max. Tune-up Power (dBm)	ANT 2 average Power (dBm)	ANT 2 Max. Tune-up Power (dBm)	Total Average Power (dBm)	Total Max. Tune-up Power (dBm)	Duty Cycle %
a	100	5500	15.08	16.0	14.40	15.0	17.76	18.5	97.78
	116	5580	15.32	16.0	14.52	15.0	17.95	18.5	
	140	5700	15.26	16.0	14.39	15.0	17.86	18.5	
	144	5720	15.32	16.0	14.45	15.0	17.92	18.5	
n-HT20	100	5500	12.96	14.0	12.01	13.0	15.52	16.5	99.82
	116	5600	12.89	14.0	12.01	13.0	15.48	16.5	
	140	5700	12.87	14.0	12.01	13.0	15.47	16.5	
	144	5720	12.87	14.0	12.14	13.0	15.53	16.5	
n-HT40	102	5510	12.11	13.5	11.18	12.5	14.68	16.0	99.82
	110	5550	11.73	13.5	11.00	12.5	14.39	16.0	
	134	5670	11.45	13.5	11.03	12.5	14.26	16.0	
	142	5710	12.32	13.5	11.34	12.5	14.87	16.0	
ac-VHT20	100	5500	13.06	14.0	12.07	13.0	15.60	16.5	99.82
	116	5600	13.02	14.0	12.33	13.0	15.70	16.5	
	140	5700	13.10	14.0	12.25	13.0	15.71	16.5	
	144	5720	13.01	14.0	12.14	13.0	15.61	16.5	
ac-VHT40	102	5510	12.55	13.5	11.44	12.5	15.04	16.0	99.63
	110	5550	12.51	13.5	11.58	12.5	15.08	16.0	
	134	5670	12.72	13.5	12.16	12.5	15.46	16.0	
	142	5710	12.45	13.5	11.55	12.5	15.03	16.0	
ac-VHT80	106	5530	12.22	13.0	11.82	12.0	15.03	15.5	99.63
	122	5610	12.29	13.0	11.57	12.0	14.96	15.5	
	138	5690	12.28	13.0	11.30	12.0	14.83	15.5	
ac-VHT160	114	5570	11.32	12.0	10.60	11.0	13.99	14.5	99.82
ax-HE20	100	5500	10.97	12.0	9.98	11.0	13.51	14.5	99.63
	116	5580	10.89	12.0	9.73	11.0	13.36	14.5	
	140	5700	10.89	12.0	9.87	11.0	13.42	14.5	
	144	5720	11.06	12.0	10.54	11.0	13.82	14.5	

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ax-HE40	102	5510	10.76	11.5	10.19	11.5	13.49	14.5	99.45
	110	5550	10.45	11.5	10.45	11.5	13.46	14.5	
	134	5670	10.34	11.5	10.13	11.5	13.25	14.5	
	142	5710	10.56	11.5	10.23	11.5	13.41	14.5	
ax-HE80	106	5530	10.21	11.0	10.01	11.0	13.12	14.0	99.63
	122	5610	10.12	11.0	10.03	11.0	13.09	14.0	
	138	5690	10.22	11.0	10.03	11.0	13.14	14.0	
ax-HE160	114	5570	9.08	10.5	8.11	9.5	11.63	13.0	99.45
be-EHT20	100	5500	11.07	12.0	10.10	11.0	13.62	14.5	99.82
	116	5580	11.11	12.0	10.13	11.0	13.66	14.5	
	140	5700	11.27	12.0	10.32	11.0	13.83	14.5	
	144	5720	11.26	12.0	10.66	11.0	13.98	14.5	
be-EHT40	102	5510	10.84	11.5	10.21	11.5	13.55	14.5	99.45
	110	5550	10.75	11.5	10.64	11.5	13.71	14.5	
	134	5670	10.51	11.5	10.20	11.5	13.37	14.5	
	142	5710	10.75	11.5	10.47	11.5	13.62	14.5	
be-EHT80	106	5530	10.32	11.0	10.09	11.0	13.22	14.0	99.82
	122	5610	10.22	11.0	10.10	11.0	13.17	14.0	
	138	5690	10.30	11.0	10.14	11.0	13.23	14.0	
be-EHT160	114	5570	9.10	10.5	8.23	9.5	11.70	13.0	99.64

■ U-NII-2C Band Wi-Fi - Reduced Power_Standalone

Mode	CH	Freq. (MHz)	ANT 3 Average Power (dBm)	ANT 3 Max. Tune-up Power (dBm)	ANT 2 average Power (dBm)	ANT 2 Max. Tune-up Power (dBm)	Total Average Power (dBm)	Total Max. Tune-up Power (dBm)	Duty Cycle %
a	100	5500	13.85	14.5	12.35	13.0	16.17	16.8	97.78
	116	5580	14.41	15.0	12.68	13.0	16.64	17.1	
	140	5700	13.70	14.5	12.48	13.0	16.14	16.8	
	144	5720	14.47	15.0	13.19	14.0	16.89	17.5	
n-HT20	100	5500	12.96	14.0	12.01	13.0	15.52	16.5	99.82
	116	5600	12.89	14.0	12.01	13.0	15.48	16.5	
	140	5700	12.87	14.0	12.01	13.0	15.47	16.5	
	144	5720	12.87	14.0	12.14	13.0	15.53	16.5	
n-HT40	102	5510	12.11	13.5	11.18	12.5	14.68	16.0	99.82
	110	5550	11.73	13.5	11.00	12.5	14.39	16.0	
	134	5670	11.45	13.5	11.03	12.5	14.26	16.0	
	142	5710	12.32	13.5	11.34	12.5	14.87	16.0	
ac-VHT20	100	5500	13.06	14.0	12.07	13.0	15.60	16.5	99.82
	116	5600	12.89	14.0	12.01	13.0	15.48	16.5	
	140	5700	12.99	14.0	12.10	13.0	15.58	16.5	
	144	5720	13.01	14.0	12.14	13.0	15.61	16.5	
ac-VHT40	102	5510	12.21	13.5	11.28	12.5	14.78	16.0	99.63
	110	5550	11.87	13.5	11.00	12.5	14.47	16.0	
	134	5670	11.69	13.5	11.14	12.5	14.43	16.0	
	142	5710	12.45	13.5	11.55	12.5	15.03	16.0	
ac-VHT80	106	5530	12.22	13.0	11.82	12.0	15.03	15.5	99.63
	122	5610	12.29	13.0	11.57	12.0	14.96	15.5	
	138	5690	12.28	13.0	11.30	12.0	14.83	15.5	
ac-VHT160	114	5570	11.32	12.0	10.60	11.0	13.99	14.5	99.82
ax-HE20	100	5500	10.97	12.0	9.98	11.0	13.51	14.5	99.63
	116	5580	10.89	12.0	9.73	11.0	13.36	14.5	
	140	5700	10.89	12.0	9.87	11.0	13.42	14.5	
	144	5720	11.06	12.0	10.54	11.0	13.82	14.5	

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ax-HE40	102	5510	10.76	11.5	10.19	11.5	13.49	14.5	99.45
	110	5550	10.45	11.5	10.45	11.5	13.46	14.5	
	134	5670	10.34	11.5	10.13	11.5	13.25	14.5	
	142	5710	10.56	11.5	10.23	11.5	13.41	14.5	
ax-HE80	106	5530	10.21	11.0	10.01	11.0	13.12	14.0	99.63
	122	5610	10.12	11.0	10.03	11.0	13.09	14.0	
	138	5690	10.22	11.0	10.03	11.0	13.14	14.0	
ax-HE160	114	5570	9.08	10.5	8.11	9.5	11.63	13.0	99.45
be-EHT20	100	5500	11.07	12.0	10.10	11.0	13.62	14.5	99.82
	116	5580	11.11	12.0	10.13	11.0	13.66	14.5	
	140	5700	11.27	12.0	10.32	11.0	13.83	14.5	
	144	5720	11.26	12.0	10.66	11.0	13.98	14.5	
be-EHT40	102	5510	10.84	11.5	10.21	11.5	13.55	14.5	99.45
	110	5550	10.75	11.5	10.64	11.5	13.71	14.5	
	134	5670	10.51	11.5	10.20	11.5	13.37	14.5	
	142	5710	10.75	11.5	10.47	11.5	13.62	14.5	
be-EHT80	106	5530	10.32	11.0	10.09	11.0	13.22	14.0	99.82
	122	5610	10.22	11.0	10.10	11.0	13.17	14.0	
	138	5690	10.30	11.0	10.14	11.0	13.23	14.0	
be-EHT160	114	5570	9.10	10.5	8.23	9.5	11.70	13.0	99.64

■ U-NII-2C Band Wi-Fi - Reduced Power_DBS/HBS

Mode	CH	Freq. (MHz)	ANT 3 Average Power (dBm)	ANT 3 Max. Tune-up Power (dBm)	ANT 2 average Power (dBm)	ANT 2 Max. Tune-up Power (dBm)	Total Average Power (dBm)	Total Max. Tune-up Power (dBm)	Duty Cycle %
a	100	5500	12.07	13.0	10.43	11.0	14.34	15.1	97.78
	116	5580	12.94	13.5	11.37	12.0	15.24	15.8	
	140	5700	12.27	13.0	11.13	12.0	14.75	15.5	
	144	5720	12.46	13.0	11.46	12.0	15.00	15.5	
n-HT20	100	5500	NR	13.0	NR	11.0	NR	15.1	99.82
	116	5600	NR	13.0	NR	11.0	NR	15.1	
	140	5700	NR	13.0	NR	11.0	NR	15.1	
	144	5720	NR	13.0	NR	11.0	NR	15.1	
n-HT40	102	5510	NR	13.0	NR	11.0	NR	15.1	99.82
	110	5550	NR	13.0	NR	11.0	NR	15.1	
	134	5670	NR	13.0	NR	11.0	NR	15.1	
	142	5710	NR	13.0	NR	11.0	NR	15.1	
ac-VHT20	100	5500	NR	13.0	NR	11.0	NR	15.1	99.82
	116	5600	NR	13.0	NR	11.0	NR	15.1	
	140	5700	NR	13.0	NR	11.0	NR	15.1	
	144	5720	NR	13.0	NR	11.0	NR	15.1	
ac-VHT40	102	5510	NR	13.0	NR	11.0	NR	15.1	99.63
	110	5550	NR	13.0	NR	11.0	NR	15.1	
	134	5670	NR	13.0	NR	11.0	NR	15.1	
	142	5710	NR	13.0	NR	11.0	NR	15.1	
ac-VHT80	106	5530	NR	13.0	NR	11.0	NR	15.1	99.63
	122	5610	NR	13.0	NR	11.0	NR	15.1	
	138	5690	NR	13.0	NR	11.0	NR	15.1	
ac-VHT160	114	5570	NR	12.0	NR	11.0	NR	14.5	99.82
ax-HE20	100	5500	NR	12.0	NR	11.0	NR	14.5	99.63
	116	5580	NR	12.0	NR	11.0	NR	14.5	
	140	5700	NR	12.0	NR	11.0	NR	14.5	
	144	5720	NR	12.0	NR	11.0	NR	14.5	

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ax-HE40	102	5510	NR	11.5	NR	11.5	NR	14.5	99.45
	110	5550	NR	11.5	NR	11.5	NR	14.5	
	134	5670	NR	11.5	NR	11.5	NR	14.5	
	142	5710	NR	11.5	NR	11.5	NR	14.5	
ax-HE80	106	5530	NR	11.0	NR	11.0	NR	14.0	99.63
	122	5610	NR	11.0	NR	11.0	NR	14.0	
	138	5690	NR	11.0	NR	11.0	NR	14.0	
ax-HE160	114	5570	NR	10.5	NR	9.5	NR	13.0	99.45
be-EHT20	100	5500	NR	12.0	NR	11.0	NR	14.5	99.82
	116	5580	NR	12.0	NR	11.0	NR	14.5	
	140	5700	NR	12.0	NR	11.0	NR	14.5	
	144	5720	NR	12.0	NR	11.0	NR	14.5	
be-EHT40	102	5510	NR	11.5	NR	11.5	NR	14.5	99.45
	110	5550	NR	11.5	NR	11.5	NR	14.5	
	134	5670	NR	11.5	NR	11.5	NR	14.5	
	142	5710	NR	11.5	NR	11.5	NR	14.5	
be-EHT80	106	5530	NR	11.0	NR	11.0	NR	14.0	99.82
	122	5610	NR	11.0	NR	11.0	NR	14.0	
	138	5690	NR	11.0	NR	11.0	NR	14.0	
be-EHT160	114	5570	NR	10.5	NR	9.5	NR	13.0	99.64

Note: NR = Not Required.

■ U-NII-3 Band Wi-Fi - Full Power

Mode	CH	Freq. (MHz)	ANT 3 Average Power (dBm)	ANT 3 Max. Tune-up Power (dBm)	ANT 2 average Power (dBm)	ANT 2 Max. Tune-up Power (dBm)	Total Average Power (dBm)	Total Max. Tune-up Power (dBm)	Duty Cycle %
a	149	5745	15.15	16.0	14.51	15.0	17.85	18.5	97.78
	157	5785	15.21	16.0	14.56	15.0	17.91	18.5	
	165	5825	15.15	16.0	14.61	15.0	17.90	18.5	
n-HT20	149	5745	13.04	14.0	12.12	13.0	15.61	16.5	99.82
	157	5785	13.01	14.0	12.11	13.0	15.59	16.5	
	165	5825	13.01	14.0	12.34	13.0	15.70	16.5	
n-HT40	151	5755	12.03	13.5	11.08	12.5	14.59	16.0	99.82
	159	5795	12.23	13.5	11.32	12.5	14.81	16.0	
ac-VHT20	149	5745	13.08	14.0	12.13	13.0	15.64	16.5	99.82
	157	5785	13.16	14.0	12.23	13.0	15.73	16.5	
	165	5825	13.04	14.0	12.48	13.0	15.78	16.5	
ac-VHT40	151	5755	12.66	13.5	11.89	12.5	15.30	16.0	99.63
	159	5795	12.35	13.5	11.45	12.5	14.93	16.0	
ac-VHT80	155	5775	12.29	13.0	11.88	12.0	15.10	15.5	99.63
ax-HE20	149	5745	11.32	12.0	10.54	11.0	13.96	14.5	99.63
	157	5785	10.98	12.0	10.21	11.0	13.62	14.5	
	165	5825	10.94	12.0	10.32	11.0	13.65	14.5	
ax-HE40	151	5755	10.76	11.5	10.32	11.5	13.56	14.5	99.45
	159	5795	10.64	11.5	10.23	11.5	13.45	14.5	
ax-HE80	155	5775	10.13	11.0	9.87	11.0	13.01	14.0	99.63
be-EHT20	149	5745	11.48	12.0	10.75	11.0	14.14	14.5	99.82
	157	5785	11.04	12.0	10.35	11.0	13.72	14.5	
	165	5825	11.11	12.0	10.51	11.0	13.83	14.5	
be-EHT40	151	5755	10.84	11.5	10.47	11.5	13.67	14.5	99.45
	159	5795	10.78	11.5	10.46	11.5	13.63	14.5	
be-EHT80	155	5775	10.28	11.0	10.09	11.0	13.20	14.0	99.82

■ U-NII-3 Band Wi-Fi - Reduced Power_Standalone

Mode	CH	Freq. (MHz)	ANT 3 Average Power (dBm)	ANT 3 Max. Tune-up Power (dBm)	ANT 2 average Power (dBm)	ANT 2 Max. Tune-up Power (dBm)	Total Average Power (dBm)	Total Max. Tune-up Power (dBm)	Duty Cycle %
a	149	5745	14.57	15.5	13.38	14.0	17.03	17.8	97.78
	157	5785	14.75	15.5	13.55	14.0	17.20	17.8	
	165	5825	14.27	15.5	13.26	14.0	16.80	17.8	
n-HT20	149	5745	13.04	14.0	12.12	13.0	15.61	16.5	99.82
	157	5785	13.01	14.0	12.11	13.0	15.59	16.5	
	165	5825	13.01	14.0	12.34	13.0	15.70	16.5	
n-HT40	151	5755	12.03	13.5	11.08	12.5	14.59	16.0	99.82
	159	5795	12.23	13.5	11.32	12.5	14.81	16.0	
ac-VHT20	149	5745	13.08	14.0	12.13	13.0	15.64	16.5	99.82
	157	5785	13.16	14.0	12.23	13.0	15.73	16.5	
	165	5825	13.04	14.0	12.48	13.0	15.78	16.5	
ac-VHT40	151	5755	12.14	13.5	11.28	12.5	14.74	16.0	99.63
	159	5795	12.35	13.5	11.45	12.5	14.93	16.0	
ac-VHT80	155	5775	12.29	13.0	11.88	12.0	15.10	15.5	99.63
ax-HE20	149	5745	11.32	12.0	10.54	11.0	13.96	14.5	99.63
	157	5785	10.98	12.0	10.21	11.0	13.62	14.5	
	165	5825	10.94	12.0	10.32	11.0	13.65	14.5	
ax-HE40	151	5755	10.76	11.5	10.32	11.5	13.56	14.5	99.45
	159	5795	10.64	11.5	10.23	11.5	13.45	14.5	
ax-HE80	155	5775	10.13	11.0	9.87	11.0	13.01	14.0	99.63
be-EHT20	149	5745	11.48	12.0	10.75	11.0	14.14	14.5	99.82
	157	5785	11.04	12.0	10.35	11.0	13.72	14.5	
	165	5825	11.11	12.0	10.51	11.0	13.83	14.5	
be-EHT40	151	5755	10.84	11.5	10.47	11.5	13.67	14.5	99.45
	159	5795	10.78	11.5	10.46	11.5	13.63	14.5	
be-EHT80	155	5775	10.28	11.0	10.09	11.0	13.20	14.0	99.82

■ U-NII-3 Band Wi-Fi - Reduced Power_DBS/HBS

Mode	CH	Freq. (MHz)	ANT 3 Average Power (dBm)	ANT 3 Max. Tune-up Power (dBm)	ANT 2 average Power (dBm)	ANT 2 Max. Tune-up Power (dBm)	Total Average Power (dBm)	Total Max. Tune-up Power (dBm)	Duty Cycle %
a	149	5745	12.69	13.0	11.46	12.0	15.13	15.5	97.78
	157	5785	13.28	13.5	12.02	12.5	15.71	16.0	
	165	5825	12.67	13.0	11.64	12.0	15.20	15.5	
n-HT20	149	5745	NR	13.0	NR	12.0	NR	15.5	99.82
	157	5785	NR	13.0	NR	12.0	NR	15.5	
	165	5825	NR	13.0	NR	12.0	NR	15.5	
n-HT40	151	5755	NR	13.0	NR	12.0	NR	15.5	99.82
	159	5795	NR	13.0	NR	12.0	NR	15.5	
ac-VHT20	149	5745	NR	13.0	NR	12.0	NR	15.5	99.82
	157	5785	NR	13.0	NR	12.0	NR	15.5	
	165	5825	NR	13.0	NR	12.0	NR	15.5	
ac-VHT40	151	5755	NR	13.0	NR	12.0	NR	15.5	99.63
	159	5795	NR	13.0	NR	12.0	NR	15.5	
ac-VHT80	155	5775	NR	13.0	NR	12.0	NR	15.5	99.63
ax-HE20	149	5745	NR	12.0	NR	11.0	NR	14.5	99.63
	157	5785	NR	12.0	NR	11.0	NR	14.5	
	165	5825	NR	12.0	NR	11.0	NR	14.5	
ax-HE40	151	5755	NR	11.5	NR	11.5	NR	14.5	99.45
	159	5795	NR	11.5	NR	11.5	NR	14.5	
ax-HE80	155	5775	NR	11.0	NR	11.0	NR	14.0	99.63
be-EHT20	149	5745	NR	12.0	NR	11.0	NR	14.5	99.82
	157	5785	NR	12.0	NR	11.0	NR	14.5	
	165	5825	NR	12.0	NR	11.0	NR	14.5	
be-EHT40	151	5755	NR	11.5	NR	11.5	NR	14.5	99.45
	159	5795	NR	11.5	NR	11.5	NR	14.5	
be-EHT80	155	5775	NR	11.0	NR	11.0	NR	14.0	99.82

Note: NR = Not Required.

■ U-NII-4 Band Wi-Fi - Full Power

Mode	CH	Freq. (MHz)	ANT 3 Average Power (dBm)	ANT 3 Max. Tune-up Power (dBm)	ANT 2 average Power (dBm)	ANT 2 Max. Tune-up Power (dBm)	Total Average Power (dBm)	Total Max. Tune-up Power (dBm)	Duty Cycle %
a	169	5845	15.21	16.0	14.71	15.5	17.98	18.8	99.10
	173	5865	15.49	16.0	15.13	15.5	18.32	18.8	
	177	5885	15.20	16.0	14.68	15.5	17.96	18.8	
n-HT20	169	5845	13.26	14.0	13.01	13.5	16.15	16.8	99.82
	173	5865	13.39	14.0	13.03	13.5	16.22	16.8	
	177	5885	13.33	14.0	12.82	13.5	16.09	16.8	
n-HT40	167	5835	12.89	13.5	12.12	13.0	15.53	16.3	99.82
	175	5875	12.71	13.5	12.19	13.0	15.47	16.3	
ac-VHT20	169	5845	13.35	14.0	13.05	13.5	16.21	16.8	99.82
	173	5865	13.41	14.0	13.10	13.5	16.27	16.8	
	177	5885	13.38	14.0	12.96	13.5	16.19	16.8	
ac-VHT40	167	5835	12.90	13.5	12.20	13.0	15.57	16.3	99.45
	175	5875	12.73	13.5	12.34	13.0	15.55	16.3	
ac-VHT80	171	5855	12.35	13.0	11.88	12.5	15.13	15.8	99.45
ac-VHT160	163	5815	11.41	12.0	10.69	11.0	14.08	14.5	99.63
ax-HE20	169	5845	11.40	12.0	10.69	11.5	14.07	14.8	99.63
	173	5865	11.41	12.0	10.83	11.5	14.14	14.8	
	177	5885	11.32	12.0	10.73	11.5	14.05	14.8	
ax-HE40	167	5835	10.92	11.5	10.29	11.0	13.63	14.3	99.45
	175	5875	10.81	11.5	10.22	11.0	13.54	14.3	
ax-HE80	171	5855	10.43	11.0	9.82	10.5	13.15	13.8	99.63
ax-HE160	163	5815	9.68	10.5	8.88	9.5	12.31	13.0	99.63
be-EHT20	169	5845	11.46	12.0	10.73	11.5	14.12	14.8	99.82
	173	5865	11.44	12.0	10.89	11.5	14.18	14.8	
	177	5885	11.39	12.0	10.76	11.5	14.10	14.8	
be-EHT40	167	5835	10.98	11.5	10.34	11.0	13.68	14.3	99.63
	175	5875	10.83	11.5	10.28	11.0	13.57	14.3	
be-EHT80	171	5855	10.48	11.0	9.86	10.5	13.19	13.8	99.27
be-EHT160	163	5815	9.77	10.5	8.94	9.5	12.39	13.0	99.63

■ U-NII-4 Band Wi-Fi - Reduced Power_Standalone

Mode	CH	Freq. (MHz)	ANT 3 Average Power (dBm)	ANT 3 Max. Tune-up Power (dBm)	ANT 2 average Power (dBm)	ANT 2 Max. Tune-up Power (dBm)	Total Average Power (dBm)	Total Max. Tune-up Power (dBm)	Duty Cycle %
a	169	5845	14.10	14.5	13.23	13.5	16.70	17.0	99.10
	173	5865	13.55	14.5	12.82	13.5	16.21	17.0	
	177	5885	13.40	14.5	12.91	13.5	16.17	17.0	
n-HT20	169	5845	13.26	14.0	13.01	13.5	16.15	16.8	99.82
	173	5865	13.39	14.0	13.03	13.5	16.22	16.8	
	177	5885	13.33	14.0	12.82	13.5	16.09	16.8	
n-HT40	167	5835	12.89	13.5	12.12	13.0	15.53	16.3	99.82
	175	5875	12.71	13.5	12.19	13.0	15.47	16.3	
ac-VHT20	169	5845	13.35	14.0	13.05	13.5	16.21	16.8	99.82
	173	5865	13.41	14.0	13.10	13.5	16.27	16.8	
	177	5885	13.38	14.0	12.96	13.5	16.19	16.8	
ac-VHT40	167	5835	12.90	13.5	12.20	13.0	15.57	16.3	99.45
	175	5875	12.73	13.5	12.34	13.0	15.55	16.3	
ac-VHT80	171	5855	12.35	13.0	11.88	12.5	15.13	15.8	99.45
ac-VHT160	163	5815	11.41	12.0	10.69	11.0	14.08	14.5	99.63
ax-HE20	169	5845	11.40	12.0	10.69	11.5	14.07	14.8	99.63
	173	5865	11.41	12.0	10.83	11.5	14.14	14.8	
	177	5885	11.32	12.0	10.73	11.5	14.05	14.8	
ax-HE40	167	5835	10.92	11.5	10.29	11.0	13.63	14.3	99.45
	175	5875	10.81	11.5	10.22	11.0	13.54	14.3	
ax-HE80	171	5855	10.43	11.0	9.82	10.5	13.15	13.8	99.63
ax-HE160	163	5815	9.68	10.5	8.88	9.5	12.31	13.0	99.63
be-EHT20	169	5845	11.46	12.0	10.73	11.5	14.12	14.8	99.82
	173	5865	11.44	12.0	10.89	11.5	14.18	14.8	
	177	5885	11.39	12.0	10.76	11.5	14.10	14.8	
be-EHT40	167	5835	10.98	11.5	10.34	11.0	13.68	14.3	99.63
	175	5875	10.83	11.5	10.28	11.0	13.57	14.3	
be-EHT80	171	5855	10.48	11.0	9.86	10.5	13.19	13.8	99.27
be-EHT160	163	5815	9.77	10.5	8.94	9.5	12.39	13.0	99.63

■ U-NII-4 Band Wi-Fi - Reduced Power_DBS/HBS

Mode	CH	Freq. (MHz)	ANT 3 Average Power (dBm)	ANT 3 Max. Tune-up Power (dBm)	ANT 2 average Power (dBm)	ANT 2 Max. Tune-up Power (dBm)	Total Average Power (dBm)	Total Max. Tune-up Power (dBm)	Duty Cycle %
a	169	5845	12.48	13.0	11.78	12.0	15.15	15.5	99.10
	173	5865	12.06	13.0	11.46	12.0	14.78	15.5	
	177	5885	12.01	13.0	11.47	12.0	14.76	15.5	
n-HT20	169	5845	NR	13.0	NR	12.0	NR	15.5	99.82
	173	5865	NR	13.0	NR	12.0	NR	15.5	
	177	5885	NR	13.0	NR	12.0	NR	15.5	
n-HT40	167	5835	NR	13.0	NR	12.0	NR	15.5	99.82
	175	5875	NR	13.0	NR	12.0	NR	15.5	
ac-VHT20	169	5845	NR	13.0	NR	12.0	NR	15.5	99.82
	173	5865	NR	13.0	NR	12.0	NR	15.5	
	177	5885	NR	13.0	NR	12.0	NR	15.5	
ac-VHT40	167	5835	NR	13.0	NR	12.0	NR	15.5	99.45
	175	5875	NR	13.0	NR	12.0	NR	15.5	
ac-VHT80	171	5855	NR	13.0	NR	12.0	NR	15.5	99.45
ac-VHT160	163	5815	NR	12.0	NR	11.0	NR	14.5	99.63
ax-HE20	169	5845	NR	12.0	NR	11.5	NR	14.8	99.63
	173	5865	NR	12.0	NR	11.5	NR	14.8	
	177	5885	NR	12.0	NR	11.5	NR	14.8	
ax-HE40	167	5835	NR	11.5	NR	11.0	NR	14.3	99.45
	175	5875	NR	11.5	NR	11.0	NR	14.3	
ax-HE80	171	5855	NR	11.0	NR	10.5	NR	13.8	99.63
ax-HE160	163	5815	NR	10.5	NR	9.5	NR	13.0	99.63
be-EHT20	169	5845	NR	12.0	NR	11.5	NR	14.8	99.82
	173	5865	NR	12.0	NR	11.5	NR	14.8	
	177	5885	NR	12.0	NR	11.5	NR	14.8	
be-EHT40	167	5835	NR	11.5	NR	11.0	NR	14.3	99.63
	175	5875	NR	11.5	NR	11.0	NR	14.3	
be-EHT80	171	5855	NR	11.0	NR	10.5	NR	13.8	99.27
be-EHT160	163	5815	NR	10.5	NR	9.5	NR	13.0	99.63

Note: NR = Not Required.

■ U-NII-5 & 6 & 7 & 8 Band Wi-Fi - Full Power

Mode	CH	Freq. (MHz)	ANT 3 Average Power (dBm)	ANT 3 Max. Tune-up Power (dBm)	ANT 2 average Power (dBm)	ANT 2 Max. Tune-up Power (dBm)	Total Average Power (dBm)	Total Max. Tune-up Power (dBm)	Duty Cycle %
a	1	5955	15.23	16.0	14.42	15.0	17.85	18.5	99.82
	45	6175	15.05	16.0	14.62	15.0	17.85	18.5	
	57	6235	15.49	16.0	14.54	15.0	18.05	18.5	
	93	6415	15.02	16.0	14.91	15.0	17.98	18.5	
	97	6435	15.06	16.0	14.87	16.0	17.98	19.0	
	105	6475	15.10	16.0	15.50	16.0	18.31	19.0	
	113	6515	15.20	16.0	14.17	16.0	17.73	19.0	
	117	6535	15.50	16.0	15.49	16.0	18.51	19.0	
	149	6695	15.36	16.0	15.50	16.0	18.44	19.0	
	177	6835	14.71	16.0	14.52	16.0	17.63	19.0	
	181	6855	15.32	16.0	15.30	16.0	18.32	19.0	
	185	6875	15.24	16.0	15.21	16.0	18.24	19.0	
	189	6895	14.92	15.0	15.40	16.0	18.18	18.5	
	213	7015	14.81	15.0	15.48	16.0	18.17	18.5	
	229	7095	14.59	15.0	15.08	16.0	17.85	18.5	
	233	7115	14.41	15.0	15.10	16.0	17.78	18.5	
ax-HE20	1	5955	11.48	12.0	11.01	12.0	14.26	15.0	99.82
	45	6175	11.14	12.0	11.01	12.0	14.09	15.0	
	93	6415	11.06	12.0	11.46	12.0	14.27	15.0	
	97	6435	10.42	12.0	11.15	12.0	13.81	15.0	
	105	6475	10.75	12.0	11.14	12.0	13.96	15.0	
	113	6515	11.35	12.0	10.75	12.0	14.07	15.0	
	117	6535	11.43	12.0	10.98	12.0	14.22	15.0	
	149	6695	11.36	12.0	10.84	12.0	14.12	15.0	
	181	6855	11.25	12.0	11.20	12.0	14.24	15.0	
	185	6875	11.38	12.0	11.25	12.0	14.33	15.0	
	189	6895	11.27	12.0	10.98	12.0	14.14	15.0	
	213	7015	11.28	12.0	10.35	12.0	13.85	15.0	
	229	7095	11.10	12.0	11.02	12.0	14.07	15.0	
	233	7115	10.69	12.0	11.10	12.0	13.91	15.0	

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ax-HE40	3	5965	10.84	11.5	10.01	11.5	13.46	14.5	99.45
	43	6165	10.52	11.5	10.32	11.5	13.43	14.5	
	91	6405	10.15	11.5	10.38	11.5	13.28	14.5	
	99	6445	10.08	11.5	10.47	11.5	13.29	14.5	
	107	6485	10.38	11.5	10.57	11.5	13.49	14.5	
	115	6525	11.00	11.5	10.21	11.5	13.63	14.5	
	123	6565	10.65	11.5	10.20	11.5	13.44	14.5	
	147	6685	10.54	11.5	10.05	11.5	13.31	14.5	
	179	6845	10.45	11.5	10.08	11.5	13.28	14.5	
	187	6885	10.51	11.5	10.25	11.5	13.39	14.5	
	195	6925	10.82	11.5	9.45	11.5	13.20	14.5	
	211	7005	10.80	11.5	10.05	11.5	13.45	14.5	
	227	7085	10.15	11.5	10.01	11.5	13.09	14.5	
ax-HE80	7	5985	10.12	11.0	9.68	11.0	12.92	14.0	99.27
	39	6145	10.10	11.0	10.01	11.0	13.07	14.0	
	87	6385	9.64	11.0	10.01	11.0	12.84	14.0	
	103	6465	9.75	11.0	10.11	11.0	12.94	14.0	
	119	6545	10.08	11.0	9.35	11.0	12.74	14.0	
	135	6625	10.28	11.0	9.74	11.0	13.03	14.0	
	151	6705	10.11	11.0	9.30	11.0	12.73	14.0	
	167	6785	10.12	11.0	9.12	11.0	12.66	14.0	
	183	6865	10.24	11.0	10.11	11.0	13.19	14.0	
	199	6945	10.23	11.0	9.32	11.0	12.81	14.0	
	215	7025	10.32	11.0	9.64	11.0	13.00	14.0	
ax-HE160	15	6025	9.88	10.5	9.43	10.5	12.67	13.5	99.82
	47	6185	9.62	10.5	9.25	10.5	12.45	13.5	
	79	6345	9.42	10.5	9.41	10.5	12.43	13.5	
	111	6505	9.45	10.5	9.02	10.5	12.25	13.5	
	143	6665	9.41	10.5	9.42	10.5	12.43	13.5	
	175	6825	9.76	10.5	9.05	10.5	12.43	13.5	
	207	6985	9.21	10.5	8.78	10.5	12.01	13.5	

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be-EHT20	1	5955	11.50	12.0	11.05	12.0	14.29	15.0	99.63
	45	6175	11.24	12.0	11.08	12.0	14.17	15.0	
	93	6415	11.14	12.0	11.50	12.0	14.33	15.0	
	97	6435	10.59	12.0	11.26	12.0	13.95	15.0	
	105	6475	10.87	12.0	11.14	12.0	14.02	15.0	
	113	6515	11.35	12.0	10.81	12.0	14.10	15.0	
	117	6535	11.50	12.0	11.03	12.0	14.28	15.0	
	149	6695	11.49	12.0	10.98	12.0	14.25	15.0	
	181	6855	11.38	12.0	11.31	12.0	14.36	15.0	
	185	6875	11.41	12.0	11.30	12.0	14.37	15.0	
	189	6895	11.39	12.0	11.05	12.0	14.23	15.0	
	213	7015	11.39	12.0	10.46	12.0	13.96	15.0	
	229	7095	11.19	12.0	11.07	12.0	14.14	15.0	
	233	7115	10.72	12.0	11.12	12.0	13.93	15.0	
be-EHT40	3	5965	10.91	11.5	10.07	11.5	13.52	14.5	99.45
	43	6165	10.63	11.5	10.43	11.5	13.54	14.5	
	91	6405	10.22	11.5	10.49	11.5	13.37	14.5	
	99	6445	10.18	11.5	10.59	11.5	13.40	14.5	
	107	6485	10.48	11.5	10.66	11.5	13.58	14.5	
	115	6525	11.00	11.5	10.32	11.5	13.68	14.5	
	123	6565	10.76	11.5	10.30	11.5	13.55	14.5	
	147	6685	10.64	11.5	10.21	11.5	13.44	14.5	
	179	6845	10.46	11.5	10.17	11.5	13.33	14.5	
	187	6885	10.67	11.5	10.32	11.5	13.51	14.5	
	195	6925	10.93	11.5	9.90	11.5	13.46	14.5	
	211	7005	10.90	11.5	10.11	11.5	13.53	14.5	
	227	7085	10.29	11.5	10.07	11.5	13.19	14.5	

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be-EHT80	7	5985	10.14	11.0	9.68	11.0	12.93	14.0	99.45
	39	6145	10.23	11.0	10.02	11.0	13.14	14.0	
	87	6385	9.79	11.0	10.12	11.0	12.97	14.0	
	103	6465	9.84	11.0	10.22	11.0	13.04	14.0	
	119	6545	10.18	11.0	9.64	11.0	12.93	14.0	
	135	6625	10.37	11.0	9.85	11.0	13.13	14.0	
	151	6705	10.25	11.0	9.40	11.0	12.86	14.0	
	167	6785	10.20	11.0	9.26	11.0	12.77	14.0	
	183	6865	10.40	11.0	10.25	11.0	13.34	14.0	
	199	6945	10.33	11.0	9.41	11.0	12.90	14.0	
	215	7025	10.41	11.0	9.71	11.0	13.08	14.0	
be-EHT160	15	6025	9.96	10.5	9.55	10.5	12.77	13.5	99.63
	47	6185	9.73	10.5	9.34	10.5	12.55	13.5	
	79	6345	9.55	10.5	9.50	10.5	12.54	13.5	
	111	6505	9.55	10.5	9.12	10.5	12.35	13.5	
	143	6665	9.56	10.5	9.51	10.5	12.55	13.5	
	175	6825	9.85	10.5	9.23	10.5	12.56	13.5	
	207	6985	9.60	10.5	9.12	10.5	12.38	13.5	
be-EHT320	31	6105	9.23	10.0	9.45	10.0	12.35	13.0	99.63
	63	6265	9.21	10.0	9.23	10.0	12.23	13.0	
	95	6425	8.70	10.0	9.28	10.0	12.01	13.0	
	127	6585	9.45	10.0	9.32	10.0	12.40	13.0	
	159	6745	9.35	10.0	8.25	10.0	11.76	13.0	
	191	6905	9.46	10.0	8.63	10.0	12.19	13.0	

■ U-NII-5 & 6 & 7 & 8 Band Wi-Fi - Reduced Power

Mode	CH	Freq. (MHz)	ANT 3 Average Power (dBm)	ANT 3 Max. Tune-up Power (dBm)	ANT 2 average Power (dBm)	ANT 2 Max. Tune-up Power (dBm)	Total Average Power (dBm)	Total Max. Tune-up Power (dBm)	Duty Cycle %
a	1	5955	11.77	12.5	11.77	12.5	14.78	15.5	99.82
	45	6175	11.45	12.5	11.62	12.5	14.55	15.5	
	57	6235	11.66	12.5	11.75	12.5	14.72	15.5	
	93	6415	11.00	12.0	11.68	12.0	14.36	15.0	
	97	6435	10.73	12.0	11.70	12.0	14.25	15.0	
	105	6475	10.96	12.0	11.72	12.0	14.37	15.0	
	113	6515	11.19	12.0	11.33	12.0	14.27	15.0	
	117	6535	12.93	13.5	13.29	14.0	16.12	16.8	
	149	6695	12.34	13.0	13.24	14.0	15.82	16.5	
	177	6835	13.33	13.5	14.43	15.0	16.93	17.3	
	181	6855	11.71	12.5	13.02	13.5	15.42	16.0	
	185	6875	11.74	12.5	13.06	13.5	15.46	16.0	
	189	6895	11.99	12.5	13.18	13.5	15.64	16.0	
	213	7015	12.02	12.5	13.06	13.5	15.58	16.0	
	229	7095	11.61	12.5	13.15	13.5	15.46	16.0	
	233	7115	12.15	13.0	13.60	14.0	15.95	16.5	
ax-HE20	1	5955	11.48	12.0	11.01	12.0	14.26	15.0	99.82
	45	6175	11.14	12.0	11.01	12.0	14.09	15.0	
	93	6415	11.06	12.0	11.46	12.0	14.27	15.0	
	97	6435	10.42	12.0	11.15	12.0	13.81	15.0	
	105	6475	10.75	12.0	11.14	12.0	13.96	15.0	
	113	6515	11.35	12.0	10.75	12.0	14.07	15.0	
	117	6535	11.43	12.0	10.98	12.0	14.22	15.0	
	149	6695	11.36	12.0	10.84	12.0	14.12	15.0	
	181	6855	11.25	12.0	11.20	12.0	14.24	15.0	
	185	6875	11.38	12.0	11.25	12.0	14.33	15.0	
	189	6895	11.27	12.0	10.98	12.0	14.14	15.0	
	213	7015	11.28	12.0	10.35	12.0	13.85	15.0	
	229	7095	11.10	12.0	11.02	12.0	14.07	15.0	
	233	7115	10.69	12.0	11.10	12.0	13.91	15.0	

<Continue>

ax-HE40	3	5965	10.84	11.5	10.01	11.5	13.46	14.5	99.45
	43	6165	10.52	11.5	10.32	11.5	13.43	14.5	
	91	6405	10.15	11.5	10.38	11.5	13.28	14.5	
	99	6445	10.08	11.5	10.47	11.5	13.29	14.5	
	107	6485	10.38	11.5	10.57	11.5	13.49	14.5	
	115	6525	11.00	11.5	10.21	11.5	13.63	14.5	
	123	6565	10.65	11.5	10.20	11.5	13.44	14.5	
	147	6685	10.54	11.5	10.05	11.5	13.31	14.5	
	179	6845	10.45	11.5	10.08	11.5	13.28	14.5	
	187	6885	10.51	11.5	10.25	11.5	13.39	14.5	
	195	6925	10.82	11.5	9.45	11.5	13.20	14.5	
	211	7005	10.80	11.5	10.05	11.5	13.45	14.5	
	227	7085	10.15	11.5	10.01	11.5	13.09	14.5	
ax-HE80	7	5985	10.12	11.0	9.68	11.0	12.92	14.0	99.27
	39	6145	10.10	11.0	10.01	11.0	13.07	14.0	
	87	6385	9.64	11.0	10.01	11.0	12.84	14.0	
	103	6465	9.75	11.0	10.11	11.0	12.94	14.0	
	119	6545	10.08	11.0	9.35	11.0	12.74	14.0	
	135	6625	10.28	11.0	9.74	11.0	13.03	14.0	
	151	6705	10.11	11.0	9.30	11.0	12.73	14.0	
	167	6785	10.12	11.0	9.12	11.0	12.66	14.0	
	183	6865	10.24	11.0	10.11	11.0	13.19	14.0	
	199	6945	10.23	11.0	9.32	11.0	12.81	14.0	
	215	7025	10.32	11.0	9.64	11.0	13.00	14.0	
ax-HE160	15	6025	9.88	10.5	9.43	10.5	12.67	13.5	99.82
	47	6185	9.62	10.5	9.25	10.5	12.45	13.5	
	79	6345	9.42	10.5	9.41	10.5	12.43	13.5	
	111	6505	9.45	10.5	9.02	10.5	12.25	13.5	
	143	6665	9.41	10.5	9.42	10.5	12.43	13.5	
	175	6825	9.76	10.5	9.05	10.5	12.43	13.5	
	207	6985	9.21	10.5	8.78	10.5	12.01	13.5	

<Continue>

be-EHT20	1	5955	11.50	12.0	11.05	12.0	14.29	15.0	99.63
	45	6175	11.24	12.0	11.08	12.0	14.17	15.0	
	93	6415	11.14	12.0	11.50	12.0	14.33	15.0	
	97	6435	10.59	12.0	11.26	12.0	13.95	15.0	
	105	6475	10.87	12.0	11.14	12.0	14.02	15.0	
	113	6515	11.35	12.0	10.81	12.0	14.10	15.0	
	117	6535	11.50	12.0	11.03	12.0	14.28	15.0	
	149	6695	11.49	12.0	10.98	12.0	14.25	15.0	
	181	6855	11.38	12.0	11.31	12.0	14.36	15.0	
	185	6875	11.41	12.0	11.30	12.0	14.37	15.0	
	189	6895	11.39	12.0	11.05	12.0	14.23	15.0	
	213	7015	11.39	12.0	10.46	12.0	13.96	15.0	
	229	7095	11.19	12.0	11.07	12.0	14.14	15.0	
	233	7115	10.72	12.0	11.12	12.0	13.93	15.0	
be-EHT40	3	5965	10.91	11.5	10.07	11.5	13.52	14.5	99.45
	43	6165	10.63	11.5	10.43	11.5	13.54	14.5	
	91	6405	10.22	11.5	10.49	11.5	13.37	14.5	
	99	6445	10.18	11.5	10.59	11.5	13.40	14.5	
	107	6485	10.48	11.5	10.66	11.5	13.58	14.5	
	115	6525	11.00	11.5	10.32	11.5	13.68	14.5	
	123	6565	10.76	11.5	10.30	11.5	13.55	14.5	
	147	6685	10.64	11.5	10.21	11.5	13.44	14.5	
	179	6845	10.46	11.5	10.17	11.5	13.33	14.5	
	187	6885	10.67	11.5	10.32	11.5	13.51	14.5	
	195	6925	10.93	11.5	9.90	11.5	13.46	14.5	
	211	7005	10.90	11.5	10.11	11.5	13.53	14.5	
	227	7085	10.29	11.5	10.07	11.5	13.19	14.5	

<Continue>

be-EHT80	7	5985	10.14	11.0	9.68	11.0	12.93	14.0	99.45
	39	6145	10.23	11.0	10.02	11.0	13.14	14.0	
	87	6385	9.79	11.0	10.12	11.0	12.97	14.0	
	103	6465	9.84	11.0	10.22	11.0	13.04	14.0	
	119	6545	10.18	11.0	9.64	11.0	12.93	14.0	
	135	6625	10.37	11.0	9.85	11.0	13.13	14.0	
	151	6705	10.25	11.0	9.40	11.0	12.86	14.0	
	167	6785	10.20	11.0	9.26	11.0	12.77	14.0	
	183	6865	10.40	11.0	10.25	11.0	13.34	14.0	
	199	6945	10.33	11.0	9.41	11.0	12.90	14.0	
	215	7025	10.41	11.0	9.71	11.0	13.08	14.0	
be-EHT160	15	6025	9.96	10.5	9.55	10.5	12.77	13.5	99.63
	47	6185	9.73	10.5	9.34	10.5	12.55	13.5	
	79	6345	9.55	10.5	9.50	10.5	12.54	13.5	
	111	6505	9.55	10.5	9.12	10.5	12.35	13.5	
	143	6665	9.56	10.5	9.51	10.5	12.55	13.5	
	175	6825	9.85	10.5	9.23	10.5	12.56	13.5	
	207	6985	9.60	10.5	9.12	10.5	12.38	13.5	
be-EHT320	31	6105	9.23	10.0	9.45	10.0	12.35	13.0	99.63
	63	6265	9.21	10.0	9.23	10.0	12.23	13.0	
	95	6425	8.70	10.0	9.28	10.0	12.01	13.0	
	127	6585	9.45	10.0	9.32	10.0	12.40	13.0	
	159	6745	9.35	10.0	8.25	10.0	11.76	13.0	
	191	6905	9.46	10.0	8.63	10.0	12.19	13.0	

■ Bluetooth

Mode	CH	Freq. (MHz)	Average Power (dBm)	Max. Tune-up Power (dBm)	Duty Cycle %
DH5	0	2402	9.69	11.0	77.19
	39	2441	10.13	11.0	
	78	2480	9.90	11.0	
2DH5	0	2402	9.52	11.0	77.27
	39	2441	9.53	11.0	
	78	2480	10.23	11.0	
3DH5	0	2402	9.47	11.0	77.27
	39	2441	9.49	11.0	
	78	2480	10.20	11.0	
BLE_1 Mbps	0	2402	6.88	8.0	63.54
	19	2440	7.60	8.0	
	39	2480	7.79	8.0	
BLE_2 Mbps	0	2402	4.07	6.0	33.99
	19	2440	4.74	6.0	
	39	2480	4.97	6.0	
BLE_500 kbps	0	2402	6.37	8.0	57.52
	19	2440	7.10	8.0	
	39	2480	7.26	8.0	
BLE_125 kbps	0	2402	8.29	10.0	83.02
	19	2440	8.98	10.0	
	39	2480	9.05	10.0	

■ NFC

Freq. (MHz)	Maximum Level (dBμV/m)	Peak Power (dBm)	Max. Tune-up Power (dBm)	Duty Cycle %
13.56	56.89	-38.31	-38.0	100.00

Notes:

1. NFC field strength comes from RF report.
2. Peak Power (dBm) = Maximum Level (dBμV/m) - 95.2.

8.3. SAR Exclusion Analysis

Per FCC KDB 447498 D01 v06, the SAR exclusion threshold for frequencies below 100 MHz, the following may be considered for SAR test exclusion:

- 1) For test separation distances > 50 mm and < 200 mm, the power threshold at the corresponding test separation distance at 100 MHz is multiplied by $[1 + \log(100/f(\text{MHz}))]$
- 2) For test separation distances ≤ 50 mm, the power threshold determined by the equation in c) 1) for 50 mm and 100 MHz is multiplied by $\frac{1}{2}$

Mode	Freq. (MHz)	Ant-to-user distance (mm)	Thresholds (mW)	Tune-up Power		SAR Test (Y/N)
				dBm	mW	
NFC	13.56	0	442.97	-38.0	0.0002	N

8.4. SAR Test Results

General notes:

1. When the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg, 802.11g/n OFDM SAR is not required, per KDB248227 D01 v02r02 section 5.2.2 b).
2. For devices that operate in both U-NII bands using the same transmitter and antenna(s), SAR test reduction is determined according to the following, per KDB248227 D01 v02r02 section 5.3.1:
 - a) When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 and for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.
 - b) When different maximum output power is specified for the bands, begin SAR measurement in the band with higher specified maximum output power. The highest reported SAR for the tested configuration is adjusted by the ratio of lower to higher specified maximum output power for the two bands. When the adjusted SAR is ≤ 1.2 W/kg, SAR is not required for the band with lower maximum output power in that test configuration; otherwise, each band is tested independently for SAR.
3. When multiple transmission modes (802.11a/g/n/ac) have the same specified maximum output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11a is chosen over 802.11n then 802.11ac or 802.11g is chosen over 802.11n, per KDB248227 D01 v02r02 section 5.3.2.
4. When the highest reported SAR for the initial test configuration (when applicable, include subsequent highest output channels), according to the initial test position or fixed exposure position requirements, is adjusted by the ratio of the subsequent test configuration to initial test configuration specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg, SAR is not required for that subsequent test configuration, per KDB248227 D01 v02r02 section 5.3.4 b).
5. When the original highest measured SAR is ≥ 0.80 W/kg, only one repeated measurement is required, if the measured SAR value of the initial repeated measurement is < 1.45 W/kg with $\leq 20\%$ variation, per KDB 865664 D01 v01r04 section 2.8.1.
6. Per KDB 447498 D01 v06, testing of other required channels within the operating mode of a frequency band is not required when the reported 1-g or 10-g SAR for the mid-band or highest output power channel is ≤ 0.8 W/kg or 2.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≤ 100 MHz.

Test Site	WJ-SR1
Test Engineer	Bella Chen, Iris Xiong

■ ANT 3

Band	Mode	CH	Freq. (MHz)	Test Position	Dist. (mm)	Power State	Cond. Power (dBm)	Tune-up Power (dBm)	Scaling Factor	Duty Cycle %	Duty Cycle Factor	Meas. SAR-1 g (W/kg)	Reporte d SAR-1 g (W/kg)	Meas. APD- 4cm ² (W/m ²)	Reported APD- 4cm ² (W/m ²)	SAR Plot #
DTS	b	1	2412	Back	0	Reduced_Standalone	13.53	14.5	1.25	97.08	1.03	0.68	0.88	--	--	
				Left	0	Full	16.58	17.0	1.10	97.08	1.03	0.04	0.05	--	--	
				Right	0	Reduced_Standalone	13.53	14.5	1.25	97.08	1.03	0.28	0.36	--	--	
				Top	0	Full	16.58	17.0	1.10	97.08	1.03	0.28	0.32	--	--	
				Bottom	0	Full	16.58	17.0	1.10	97.08	1.03	0.01	0.01	--	--	
		6	2437	Back	0	Reduced_Standalone	13.79	14.5	1.18	97.08	1.03	0.88	1.07	--	--	1
		11	2462	Back	0	Reduced_Standalone	13.97	14.5	1.13	97.08	1.03	0.72	0.84	--	--	
		1	2412	Back	0	Reduced_DBS/HBS	12.05	12.5	1.11	97.08	1.03	0.49	0.56	--	--	
				Right	0	Reduced_DBS/HBS	12.05	12.5	1.11	97.08	1.03	0.20	0.23	--	--	
		6	2437	Back	0	Reduced_DBS/HBS	12.55	13.0	1.11	97.08	1.03	0.54	0.62	--	--	
		11	2462	Back	0	Reduced_DBS/HBS	12.09	12.5	1.10	97.08	1.03	0.50	0.57	--	--	
		1	2412	Back	18	Full	16.58	17.0	1.10	97.08	1.03	0.08	0.09	--	--	
		1	2412	Right	15	Full	16.58	17.0	1.10	97.08	1.03	0.10	0.11	--	--	
U-NII-2A	a	52	5260	Back	0	Reduced_Standalone	14.25	14.5	1.06	97.78	1.02	0.93	1.01	--	--	
		60	5300	Back	0	Reduced_Standalone	14.26	14.5	1.06	97.78	1.02	0.96	1.04	--	--	
				Left	0	Full	15.13	16.0	1.22	97.78	1.02	0.01	0.01	--	--	
				Right	0	Full	15.13	16.0	1.22	97.78	1.02	0.79	0.99	--	--	
				Top	0	Full	15.13	16.0	1.22	97.78	1.02	0.17	0.21	--	--	
				Bottom	0	Full	15.13	16.0	1.22	97.78	1.02	0.03	0.04	--	--	
		64	5320	Back	0	Reduced_Standalone	14.31	14.5	1.04	97.78	1.02	1.01	1.08	--	--	2
		52	5260	Back	0	Reduced_DBS/HBS	12.30	13.0	1.17	97.78	1.02	0.60	0.72	--	--	
		60	5300	Back	0	Reduced_DBS/HBS	12.61	13.0	1.09	97.78	1.02	0.68	0.76	--	--	
				Right	0	Reduced_DBS/HBS	12.61	13.0	1.09	97.78	1.02	0.48	0.54	--	--	
		64	5320	Back	0	Reduced_DBS/HBS	12.82	13.0	1.04	97.78	1.02	0.70	0.75	--	--	
		60	5300	Back	18	Full	15.13	16.0	1.22	97.78	1.02	0.07	0.09	--	--	

<Continue>

U-NII-2C	a	100	5500	Back	0	Reduced_Standalone	13.85	14.5	1.16	97.78	1.02	0.98	1.16	--	--	3
		116	5580	Back	0	Reduced_Standalone	14.41	15.0	1.15	97.78	1.02	0.99	1.16	--	--	
				Back*	0	Reduced_Standalone	14.41	15.0	1.15	97.78	1.02	0.93	1.09	--	--	
				Left	0	Full	15.32	16.0	1.17	97.78	1.02	0.01	0.01	--	--	
				Right	0	Full	15.32	16.0	1.17	97.78	1.02	0.90	1.08	--	--	
				Top	0	Full	15.32	16.0	1.17	97.78	1.02	0.22	0.26	--	--	
				Bottom	0	Full	15.32	16.0	1.17	97.78	1.02	0.04	0.05	--	--	
		144	5720	Back	0	Reduced_Standalone	14.47	15.0	1.13	97.78	1.02	0.90	1.04	--	--	
		100	5500	Back	0	Reduced_DBS/HBS	12.07	13.0	1.24	97.78	1.02	0.62	0.79	--	--	
		116	5580	Back	0	Reduced_DBS/HBS	12.94	13.5	1.14	97.78	1.02	0.68	0.79	--	--	
				Right	0	Reduced_DBS/HBS	12.94	13.5	1.14	97.78	1.02	0.54	0.63	--	--	
		144	5720	Back	0	Reduced_DBS/HBS	12.46	13.0	1.13	97.78	1.02	0.59	0.68	--	--	
		116	5580	Back	18	Full	15.32	16.0	1.17	97.78	1.02	0.09	0.11	--	--	
U-NII-3	a	149	5745	Back	0	Reduced_Standalone	14.57	15.5	1.24	97.78	1.02	0.93	1.18	--	--	4
		157	5785	Back	0	Reduced_Standalone	14.75	15.5	1.19	97.78	1.02	0.85	1.03	--	--	
				Left	0	Full	15.21	16.0	1.20	97.78	1.02	0.01	0.01	--	--	
				Right	0	Full	15.21	16.0	1.20	97.78	1.02	0.83	1.02	--	--	
				Top	0	Full	15.21	16.0	1.20	97.78	1.02	0.22	0.27	--	--	
				Bottom	0	Full	15.21	16.0	1.20	97.78	1.02	0.04	0.05	--	--	
		165	5825	Back	0	Reduced_Standalone	14.27	15.5	1.33	97.78	1.02	0.75	1.02	--	--	
		149	5745	Back	0	Reduced_DBS/HBS	12.69	13.0	1.07	97.78	1.02	0.58	0.64	--	--	
		157	5785	Back	0	Reduced_DBS/HBS	13.28	13.5	1.05	97.78	1.02	0.51	0.55	--	--	
				Right	0	Reduced_DBS/HBS	13.28	13.5	1.05	97.78	1.02	0.50	0.54	--	--	
		165	5825	Back	0	Reduced_DBS/HBS	12.67	13.0	1.08	97.78	1.02	0.50	0.55	--	--	
		157	5785	Back	18	Full	15.21	16.0	1.20	97.78	1.02	0.08	0.10	--	--	

<Continue>

U-NII-4	a	169	5845	Back	0	Reduced_Standalone	14.10	14.5	1.10	99.10	1.01	0.73	0.81	--	--	5
		173	5865	Back	0	Reduced_Standalone	13.55	14.5	1.24	99.10	1.01	0.63	0.79	--	--	
				Left	0	Full	15.49	16.0	1.12	99.10	1.01	0.01	0.01	--	--	
				Right	0	Reduced_Standalone	13.55	14.5	1.24	99.10	1.01	0.48	0.60	--	--	
				Top	0	Full	15.49	16.0	1.12	99.10	1.01	0.38	0.43	--	--	
				Bottom	0	Full	15.49	16.0	1.12	99.10	1.01	0.09	0.10	--	--	
		177	5885	Back	0	Reduced_Standalone	13.40	14.5	1.29	99.10	1.01	0.58	0.75	--	--	
		169	5845	Back	0	Reduced_DBS/HBS	12.48	13.0	1.13	99.10	1.01	0.50	0.57	--	--	
		173	5865	Back	0	Reduced_DBS/HBS	12.06	13.0	1.24	99.10	1.01	0.43	0.54	--	--	
				Right	0	Reduced_DBS/HBS	12.06	13.0	1.24	99.10	1.01	0.35	0.44	--	--	
		177	5885	Back	0	Reduced_DBS/HBS	12.01	13.0	1.26	99.10	1.01	0.43	0.54	--	--	
		173	5865	Back	18	Full	15.49	16.0	1.12	99.10	1.01	0.12	0.14	--	--	
		173	5865	Right	15	Full	15.49	16.0	1.12	99.10	1.01	0.27	0.31	--	--	
U-NII-5 & 6 & 7 & 8	a	1	5955	Back	0	Reduced	11.77	12.5	1.18	99.82	1.00	0.43	0.51	--	--	
		57	6235	Back	0	Reduced	11.66	12.5	1.21	99.82	1.00	0.39	0.47	2.32	2.82	
		117	6535	Back	0	Reduced	12.93	13.5	1.14	99.82	1.00	0.45	0.51	2.41	2.75	
				Left	0	Full	15.50	16.0	1.12	99.82	1.00	0.01	0.01	0.12	0.13	
				Right	0	Reduced	12.93	13.5	1.14	99.82	1.00	0.28	0.32	2.00	2.28	
				Top	0	Full	15.50	16.0	1.12	99.82	1.00	0.29	0.33	2.00	2.25	
				Bottom	0	Full	15.50	16.0	1.12	99.82	1.00	0.03	0.03	0.18	0.20	
		177	6835	Back	0	Reduced	13.33	13.5	1.04	99.82	1.00	0.67	0.70	3.52	3.67	
		233	7115	Back	0	Full	14.41	15.0	1.15	99.82	1.00	0.67	0.77	3.46	3.97	6
		117	6535	Back	18	Full	15.50	16.0	1.12	99.82	1.00	0.06	0.07	0.52	0.58	
		117	6535	Right	15	Full	15.50	16.0	1.12	99.82	1.00	0.11	0.12	0.94	1.06	
DSS	2DH5	78	2480	Back	0	Full	10.23	11.0	1.19	77.27	1.29	0.16	0.25	--	--	7
				Left	0	Full	10.23	11.0	1.19	77.27	1.29	0.01	0.02	--	--	
				Right	0	Full	10.23	11.0	1.19	77.27	1.29	0.05	0.08	--	--	
				Top	0	Full	10.23	11.0	1.19	77.27	1.29	0.04	0.06	--	--	
				Bottom	0	Full	10.23	11.0	1.19	77.27	1.29	0.01	0.02	--	--	

Note: " * ", repeat SAR measurement.

■ ANT 2

Band	Mode	CH	Freq. (MHz)	Test Position	Dist. (mm)	Power State	Cond. Power (dBm)	Tune-up Power (dBm)	Scaling Factor	Duty Cycle %	Duty Cycle Factor	Meas. SAR-1 g (W/kg)	Reported SAR-1 g (W/kg)	Meas. APD- 4cm ² (W/m ²)	Reported APD- 4cm ² (W/m ²)	SAR Plot #
DTS	b	1	2412	Back	0	Reduced_Standalone	14.18	15.0	1.21	97.08	1.03	0.96	1.19	--	--	8
				Left	0	Full	17.50	18.0	1.12	97.08	1.03	0.01	0.01	--	--	
				Right	0	Reduced_Standalone	14.18	15.0	1.21	97.08	1.03	0.47	0.58	--	--	
				Top	0	Full	17.50	18.0	1.12	97.08	1.03	0.28	0.32	--	--	
				Bottom	0	Full	17.50	18.0	1.12	97.08	1.03	0.01	0.01	--	--	
		6	2437	Back	0	Reduced_Standalone	14.62	15.0	1.09	97.08	1.03	1.06	1.19	--	--	
		6	2437	Back*	0	Reduced_Standalone	14.62	15.0	1.09	97.08	1.03	0.90	1.01	--	--	
		11	2462	Back	0	Reduced_Standalone	14.54	15.0	1.11	97.08	1.03	0.92	1.05	--	--	
		1	2412	Back	0	Reduced_DBS/HBS	12.71	13.0	1.07	97.08	1.03	0.66	0.73	--	--	
				Right	0	Reduced_DBS/HBS	12.71	13.0	1.07	97.08	1.03	0.41	0.45	--	--	
		6	2437	Back	0	Reduced_DBS/HBS	13.24	13.5	1.06	97.08	1.03	0.65	0.71	--	--	
		11	2462	Back	0	Reduced_DBS/HBS	13.02	13.5	1.12	97.08	1.03	0.65	0.75	--	--	
		1	2412	Back	18	Full	17.50	18.0	1.12	97.08	1.03	0.14	0.16	--	--	
		1	2412	Right	15	Full	17.50	18.0	1.12	97.08	1.03	0.24	0.28	--	--	
U-NII-2A	a	52	5260	Back	0	Reduced_Standalone	13.28	13.5	1.05	97.78	1.02	1.02	1.10	--	--	9
		52	5260	Back*	0	Reduced_Standalone	13.28	13.5	1.05	97.78	1.02	0.99	1.07	--	--	
		60	5300	Back	0	Reduced_Standalone	13.17	13.5	1.08	97.78	1.02	0.95	1.05	--	--	
				Left	0	Full	14.32	15.0	1.17	97.78	1.02	0.01	0.01	--	--	
				Right	0	Full	14.32	15.0	1.17	97.78	1.02	0.42	0.50	--	--	
				Top	0	Full	14.32	15.0	1.17	97.78	1.02	0.17	0.20	--	--	
				Bottom	0	Full	14.32	15.0	1.17	97.78	1.02	0.03	0.04	--	--	
		64	5320	Back	0	Reduced_Standalone	13.27	13.5	1.05	97.78	1.02	0.92	0.99	--	--	
		52	5260	Back	0	Reduced_DBS/HBS	11.46	12.0	1.13	97.78	1.02	0.67	0.78	--	--	
		60	5300	Back	0	Reduced_DBS/HBS	11.66	12.0	1.08	97.78	1.02	0.67	0.74	--	--	
				Right	0	Reduced_DBS/HBS	11.66	12.0	1.08	97.78	1.02	0.24	0.27	--	--	
		64	5320	Back	0	Reduced_DBS/HBS	11.82	12.0	1.04	97.78	1.02	0.65	0.69	--	--	
		60	5300	Back	18	Full	14.32	15.0	1.17	97.78	1.02	0.14	0.17	--	--	

<Continue>

U-NII-2C	a	100	5500	Back	0	Reduced_Standalone	12.35	13.0	1.16	97.78	1.02	0.75	0.89	--	--	
		116	5580	Back	0	Reduced_Standalone	12.68	13.0	1.08	97.78	1.02	0.63	0.69	--	--	
				Left	0	Full	14.52	15.0	1.12	97.78	1.02	0.01	0.01	--	--	
				Right	0	Full	14.52	15.0	1.12	97.78	1.02	0.36	0.41	--	--	
				Top	0	Full	14.52	15.0	1.12	97.78	1.02	0.22	0.25	--	--	
				Bottom	0	Full	14.52	15.0	1.12	97.78	1.02	0.04	0.05	--	--	
		144	5720	Back	0	Reduced_Standalone	13.19	14.0	1.21	97.78	1.02	0.94	1.16	--	--	10
		100	5500	Back	0	Reduced_DBS/HBS	10.43	11.0	1.14	97.78	1.02	0.47	0.55	--	--	
		116	5580	Back	0	Reduced_DBS/HBS	11.37	12.0	1.16	97.78	1.02	0.46	0.54	--	--	
				Right	0	Reduced_DBS/HBS	11.37	12.0	1.16	97.78	1.02	0.20	0.24	--	--	
		144	5720	Back	0	Reduced_DBS/HBS	11.46	12.0	1.13	97.78	1.02	0.61	0.71	--	--	
U-NII-3	a	116	5580	Back	18	Full	14.52	15.0	1.12	97.78	1.02	0.15	0.17	--	--	
		149	5745	Back	0	Reduced_Standalone	13.38	14.0	1.15	97.78	1.02	0.95	1.12	--	--	11
		157	5785	Back	0	Reduced_Standalone	13.55	14.0	1.11	97.78	1.02	0.97	1.10	--	--	
				Back*	0	Reduced_Standalone	13.55	14.0	1.11	97.78	1.02	0.93	1.05	--	--	
				Left	0	Full	14.56	15.0	1.11	97.78	1.02	0.01	0.01	--	--	
				Right	0	Full	14.56	15.0	1.11	97.78	1.02	0.50	0.57	--	--	
				Top	0	Full	14.56	15.0	1.11	97.78	1.02	0.22	0.25	--	--	
				Bottom	0	Full	14.56	15.0	1.11	97.78	1.02	0.04	0.05	--	--	
		165	5825	Back	0	Reduced_Standalone	13.26	14.0	1.19	97.78	1.02	0.92	1.12	--	--	
		149	5745	Back	0	Reduced_DBS/HBS	11.46	12.0	1.13	97.78	1.02	0.62	0.72	--	--	
		157	5785	Back	0	Reduced_DBS/HBS	12.02	12.5	1.12	97.78	1.02	0.65	0.74	--	--	
				Right	0	Reduced_DBS/HBS	12.02	12.5	1.12	97.78	1.02	0.31	0.35	--	--	
		165	5825	Back	0	Reduced_DBS/HBS	11.64	12.0	1.09	97.78	1.02	0.65	0.72	--	--	
		157	5785	Back	18	Full	14.56	15.0	1.11	97.78	1.02	0.21	0.24	--	--	



<Continue>

U-NII-4	a	169	5845	Back	0	Reduced_Standalone	13.23	13.5	1.06	99.10	1.01	0.96	1.03	--	--	
		169	5845	Back*	0	Reduced_Standalone	13.23	13.5	1.06	99.10	1.01	0.94	1.01	--	--	
		173	5865	Back	0	Reduced_Standalone	12.82	13.5	1.17	99.10	1.01	0.92	1.09	--	--	
				Left	0	Full	15.13	15.5	1.09	99.10	1.01	0.01	0.01	--	--	
				Right	0	Reduced_Standalone	12.82	13.5	1.17	99.10	1.01	0.42	0.50	--	--	
				Top	0	Full	15.13	15.5	1.09	99.10	1.01	0.38	0.42	--	--	
				Bottom	0	Full	15.13	15.5	1.09	99.10	1.01	0.09	0.10	--	--	
		177	5885	Back	0	Reduced_Standalone	12.91	13.5	1.15	99.10	1.01	0.94	1.09	--	--	12
		169	5845	Back	0	Reduced_DBS/HBS	11.78	12.0	1.05	99.10	1.01	0.65	0.69	--	--	
		173	5865	Back	0	Reduced_DBS/HBS	11.46	12.0	1.13	99.10	1.01	0.64	0.73	--	--	
				Right	0	Reduced_DBS/HBS	11.46	12.0	1.13	99.10	1.01	0.30	0.34	--	--	
		177	5885	Back	0	Reduced_DBS/HBS	11.47	12.0	1.13	99.10	1.01	0.67	0.76	--	--	
		173	5865	Back	18	Full	15.13	15.5	1.09	99.10	1.01	0.41	0.45	--	--	
		173	5865	Right	15	Full	15.13	15.5	1.09	99.10	1.01	0.21	0.23	--	--	
U-NII-5 & 6 & 7 & 8	a	1	5955	Back	0	Reduced	11.77	12.5	1.18	99.82	1.00	0.66	0.78	--	--	
		57	6235	Back	0	Reduced	11.75	12.5	1.19	99.82	1.00	0.64	0.76	3.86	4.60	
		117	6535	Back	0	Reduced	13.29	14.0	1.18	99.82	1.00	0.67	0.79	4.38	5.17	13
				Left	0	Full	15.49	16.0	1.12	99.82	1.00	0.01	0.01	0.12	0.14	
				Right	0	Full	15.49	16.0	1.12	99.82	1.00	0.44	0.50	3.03	3.41	
				Top	0	Full	15.49	16.0	1.12	99.82	1.00	0.29	0.33	2.00	2.25	
				Bottom	0	Full	15.49	16.0	1.12	99.82	1.00	0.03	0.03	0.18	0.20	
		177	6835	Back	0	Reduced	14.43	15.0	1.14	99.82	1.00	0.51	0.58	3.44	3.93	
		233	7115	Back	0	Full	15.10	16.0	1.23	99.82	1.00	0.62	0.76	3.95	4.87	
		117	6535	Back	18	Full	15.49	16.0	1.12	99.82	1.00	0.20	0.23	0.18	0.20	

Note: " * ", repeat SAR measurement.



8.5. PD Test Results

Test Site	WJ-SR1
Test Engineer	Bella Chen

Band	Mode	Power Sate	CH	Freq. (MHz)	Test Position	Dist. (mm)	Cond. Power (dBm)	Tune-up Power (dBm)	Scaling Factor	Duty Cycle %	Duty Cycle Factor	Uncertainty Scaling Factor	Total psPD 4 cm ² , sq (W/m ²)	Scaled Total psPD 4 cm ² , sq (W/m ²)	SAR Plot #
U-NII-5 & 6 & 7 & 8	a	Reduced	117	6535	Back	2	13.29	14.0	1.18	99.82	1.00	1.12	6.55	8.65	14

Note: Total expanded uncertainty of 1.51 dB (41.6%) was used to determine the psPD measurement scaling factor.

8.6. Estimated SAR Calculation

Per FCC KDB 447498 D01 v06 section 4.3.2 b) 1), when an antenna qualifies for the standalone SAR test exclusion of 4.3.1 and also transmits simultaneously with other antennas, the standalone SAR value was estimated according to the following formula to result in substantially conservative SAR values of ≤ 0.4 W/kg for test separation distance ≤ 50 mm to determine the simultaneous transmission SAR test exclusion criteria:

$$Estimated\ SAR = \frac{\sqrt{f(GHz)}}{7.5} * \frac{(Max\ Power\ of\ channel,\ mW)}{Min.\ Separation,\ mm}, \text{ for 1-g SAR}$$

$$Estimated\ SAR = \frac{\sqrt{f(GHz)}}{18.75} * \frac{(Max\ Power\ of\ channel,\ mW)}{Min.\ Separation,\ mm}, \text{ for 10-g SAR}$$

When the test separation distance is > 50 mm, estimated 1 g-SAR 0.4 W/kg/10 g-SAR 1.0 W/kg is used for simultaneous evaluation.

Test Mode	Freq. (MHz)	Ant-to-user Distance (mm)	Tune-up Power (dBm)	Tune-up Power (mW)	Estimated SAR (W/kg)
NFC	13.56	0	-38.0	0.0002	< 0.001

Note: The NFC SAR value is sufficiently low to directly meet simultaneous transmission requirements.

9. Simultaneous Transmission Analysis

■ Standalone

Test Position	Maximum SAR (W/kg)							Wi-Fi MIMO			Wi-Fi MIMO + Bluetooth		
	Wi-Fi_Ant 3			Wi-Fi_Ant 2			Bluetooth	Wi-Fi MIMO			Wi-Fi MIMO + Bluetooth		
	2.4 GHz	5 GHz	6 GHz	2.4 GHz	5 GHz	6 GHz		2.4 GHz	5 GHz	6 GHz	2.4 GHz + Bluetooth	5 GHz + Bluetooth	6 GHz + Bluetooth
Back	1.07	1.18	0.77	1.19	1.16	0.79	0.25	1.19	1.18	0.79	1.44	1.43	1.04
Left	0.05	0.01	0.01	0.01	0.01	0.01	0.02	0.05	0.01	0.01	0.07	0.03	0.03
Right	0.36	1.08	0.32	0.58	0.57	0.50	0.08	0.58	1.08	0.50	0.66	1.16	0.58
Top	0.32	0.43	0.33	0.32	0.42	0.33	0.06	0.32	0.43	0.33	0.38	0.49	0.39
Bottom	0.01	0.10	0.03	0.01	0.10	0.03	0.02	0.01	0.10	0.03	0.03	0.12	0.05

■ DBS

Test Position	Maximum SAR (W/kg)							Wi-Fi MIMO			DBS	
	Wi-Fi_Ant 3			Wi-Fi_Ant 2			Bluetooth	Wi-Fi MIMO			DBS	
	2.4 GHz	5 GHz	6 GHz	2.4 GHz	5 GHz	6 GHz		2.4 GHz	5 GHz	6 GHz	2.4 GHz + 5 GHz	2.4 GHz + 6 GHz
Back	0.62	0.79	0.77	0.75	0.78	0.79	0.12	0.75	0.79	0.79	1.54	1.54
Left	0.05	0.01	0.01	0.01	0.01	0.01	0.20	0.05	0.01	0.01	0.06	0.06
Right	0.23	0.63	0.32	0.45	0.35	0.50	0.03	0.45	0.63	0.50	1.08	0.95
Top	0.32	0.43	0.33	0.32	0.42	0.33	0.02	0.32	0.43	0.33	0.75	0.65
Bottom	0.01	0.10	0.03	0.01	0.10	0.03	0.02	0.01	0.10	0.03	0.11	0.04

■ HBS

Test Position	Maximum SAR (W/kg)						Wi-Fi MIMO			HBS	
	Wi-Fi_Ant 3			Wi-Fi_Ant 2			Wi-Fi MIMO			HBS	
	5 GHz_LB	5 GHz_HB	6 GHz	5 GHz_LB	5 GHz_HB	6 GHz	5 GHz_LB	5 GHz_HB	6 GHz	5 GHz_LB + 5 GHz_HB	5 GHz_LB + 6 GHz
Back	0.76	0.79	0.77	0.78	0.76	0.79	0.78	0.79	0.79	1.57	1.57
Left	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02
Right	0.54	0.63	0.32	0.27	0.35	0.50	0.54	0.63	0.50	1.17	1.04
Top	0.21	0.43	0.33	0.20	0.42	0.33	0.21	0.43	0.33	0.64	0.54
Bottom	0.04	0.10	0.03	0.04	0.10	0.03	0.04	0.10	0.03	0.14	0.07

The above numerical summed SAR results for all the worst-case simultaneous transmission conditions were below the SAR limit. Therefore, the above analysis is sufficient to determine that simultaneous transmission cases will not exceed the SAR limit and therefore no measured volumetric simultaneous SAR summation is required per FCC KDB Publication 447498 D01 v06.

10. Measuring Instrument

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
Stäubli Robot TX60L	Stäubli	TX60L	MRTSUE06412	N/A	N/A
Robot Controller	Stäubli	CS8C	MRTSUE06412	N/A	N/A
ELI Phantom Shell	Speag	V8	MRTSUE06420	N/A	N/A
mmWave Phantom	Speag	--	MRTSUE07015	N/A	N/A
DAK	Speag	DAK-3.5	MRTSUE06435	N/A	N/A
DAE	Speag	DAE4(SN 1552)	MRTSUE06414	1 year	2027-01-18
E-Field Probe	Speag	EX3DV4(SN 7524)	MRTSUE06438	1 year	2027-05-26
mmWave Probe	Speag	EUmmWV4	MRTSUE07009	1 year	2027-02-19
Dipole Validation Kits	Speag	D2450V2	MRTSUE06430	3 years	2027-05-06
Dipole Validation Kits	Speag	D5GHzV2	MRTSUE06434	3 years	2028-03-13
Dipole Validation Kits	Speag	D6.5GHzV2	MRTSUE06999	3 years	2027-09-08
Verification Source	Speag	10 GHz	MRTSUE07010	3 years	2027-02-13
Network Analyzer	Keysight	N5234B	MRTSUE06454	1 year	2027-07-10
Directional Coupler	Agilent	778D	MRTSUE06083	1 year	2027-03-03
Directional Coupler	Agilent	87301DOPT 292	MRTSUE06082	1 year	2027-03-03
Signal Generator	Keysight	N5183B	MRTSUE06197	1 year	2027-05-16
Power Sensor	Keysight	U2021XA	MRTSUE06446	1 year	2027-04-14
Attenuator	MVE	MVE2213	MRTSUE11071	1 year	2027-05-27
Thermohygrometer	Testo	608-H1	MRTSUE11512	1 year	2027-05-10

Software	Version	Function
DASY NEO	52.10.4.1535	SAR Test Software for below 6 GHz
cDASY6 Module SAR	18.0.0.7250	SAR Test Software for above 6GHz
cDASY6 Module mmWave	4.0.0.7436	PD Test software

11. Measurement Uncertainty

DASY6 Uncertainty Budget (Frequency band: 300 MHz - 3 GHz range)							
Error Description	Uncert. value	Prob. Dist.	Div.	(c _i) (1g)	(c _i) (10g)	Std. Unc. (1g)	Std. Unc. (10g)
Measurement System Errors							
Probe Calibration	±12.0%	N	2	1	1	±6.0%	±6.0%
Probe Calibration Drift	±1.7%	R	$\sqrt{3}$	1	1	±1.0%	±1.0%
Probe Linearity	±4.7%	R	$\sqrt{3}$	1	1	±2.7%	±2.7%
Broadband Signal	±2.8%	R	$\sqrt{3}$	1	1	±1.6%	±1.6%
Probe Isotropy	±7.6%	R	$\sqrt{3}$	1	1	±4.4%	±4.4%
Other Probe + Electronic	±0.8%	N	1	1	1	±0.8%	±0.8%
RF Ambient	±1.8%	N	1	1	1	±1.8%	±1.8%
Probe Positioning	±0.006 mm	N	1	0.14	0.14	±0.10%	±0.10%
Data Processing	±1.2%	N	1	1	1	±1.2%	±1.2%
Phantom and Device Errors							
Conductivity (meas.)	±2.5%	N	1	0.78	0.71	±2.0%	±1.8%
Conductivity (temp.)	±3.3%	R	$\sqrt{3}$	0.78	0.71	±1.5%	±1.4%
Phantom Permittivity	±14.0%	R	$\sqrt{3}$	0	0	±0%	±0%
Distance DUT - TSL	±2.0%	N	1	2	2	±4.0%	±4.0%
Device Positioning	±1.0%	N	1	1	1	±1.0%	±1.0%
Device Holder	±3.6%	N	1	1	1	±3.6%	±3.6%
DUT Modulation	±2.4%	R	$\sqrt{3}$	1	1	±1.4%	±1.4%
Time-average SAR	±1.7%	R	$\sqrt{3}$	1	1	±1.0%	±1.0%
DUT drift	±2.5%	N	1	1	1	±2.5%	±2.5%
Val Antenna Unc.	±0%	N	1	1	1	±0%	±0%
Unc. Input Power	±0%	N	1	1	1	±0%	±0%
Correction to the SAR results							
Deviation to Target	±1.9%	N	1	1	0.84	±1.9%	±1.6%
SAR scaling	±0%	R	$\sqrt{3}$	1	1	±0%	±0%
Combined Uncertainty						±11.0%	±10.9%
Expanded Uncertainty						±21.9%	±21.7%

DASY6 Uncertainty Budget (Frequency band: 3 GHz - 6 GHz range)							
Error Description	Uncert. value	Prob. Dist.	Div.	(c _i) (1g)	(c _i) (10g)	Std. Unc. (1g)	Std. Unc. (10g)
Measurement System Errors							
Probe Calibration	±13.1%	N	2	1	1	±6.55%	±6.55%
Probe Calibration Drift	±1.7%	R	$\sqrt{3}$	1	1	±1.0%	±1.0%
Probe Linearity	±4.7%	R	$\sqrt{3}$	1	1	±2.7%	±2.7%
Broadband Signal	±2.6%	R	$\sqrt{3}$	1	1	±1.5%	±1.5%
Probe Isotropy	±7.6%	R	$\sqrt{3}$	1	1	±4.4%	±4.4%
Other Probe + Electronic	±1.2%	N	1	1	1	±1.2%	±1.2%
RF Ambient	±1.8%	N	1	1	1	±1.8%	±1.8%
Probe Positioning	±0.005 mm	N	1	0.29	0.29	±0.2%	±0.2%
Data Processing	±2.3%	N	1	1	1	±2.3%	±2.3%
Phantom and Device Errors							
Conductivity (meas.)	±2.5%	N	1	0.78	0.71	±2.0%	±1.8%
Conductivity (temp.)	±3.4%	R	$\sqrt{3}$	0.78	0.71	±1.5%	±1.4%
Phantom Permittivity	±14.0%	R	$\sqrt{3}$	0.25	0.25	±2.0%	±2.0%
Distance DUT - TSL	±2.0%	N	1	2	2	±4.0%	±4.0%
Device Positioning	±1.0%	N	1	1	1	±1.0%	±1.0%
Device Holder	±3.6%	N	1	1	1	±3.6%	±3.6%
DUT Modulation	±2.4%	R	$\sqrt{3}$	1	1	±1.4%	±1.4%
Time-average SAR	±1.7%	R	$\sqrt{3}$	1	1	±1.0%	±1.0%
DUT drift	±2.5%	N	1	1	1	±2.5%	±2.5%
Val Antenna Unc.	±0%	N	1	1	1	±0%	±0%
Unc. Input Power	±0%	N	1	1	1	±0%	±0%
Correction to the SAR results							
Deviation to Target	±1.9%	N	1	1	0.84	±1.9%	±1.6%
SAR scaling	±0%	R	$\sqrt{3}$	1	1	±0%	±0%
Combined Uncertainty						±11.6%	±11.6%
Expanded Uncertainty						±23.3%	±23.1%

DASY6 Uncertainty Budget (Frequency band: 6 GHz - 10 GHz range)							
Error Description	Uncert. value	Prob. Dist.	Div.	(c _i) (1g)	(c _i) (10g)	Std. Unc. (1g)	Std. Unc. (10g)
Measurement System Errors							
Probe Calibration	±18.6%	N	2	1	1	±9.3%	±9.3%
Probe Calibration Drift	±1.7%	R	$\sqrt{3}$	1	1	±1.0%	±1.0%
Probe Linearity	±4.7%	R	$\sqrt{3}$	1	1	±2.7%	±2.7%
Broadband Signal	±2.6%	R	$\sqrt{3}$	1	1	±1.5%	±1.5%
Probe Isotropy	±7.6%	R	$\sqrt{3}$	1	1	±4.4%	±4.4%
Other Probe + Electronic	±2.4%	N	1	1	1	±2.4%	±2.4%
RF Ambient	±1.8%	N	1	1	1	±1.8%	±1.8%
Probe Positioning	±0.005 mm	N	1	0.50	0.50	±0.3%	±0.3%
Data Processing	±3.5%	N	1	1	1	±3.5%	±3.5%
Phantom and Device Errors							
Conductivity (meas.)	±2.5%	N	1	0.78	0.71	±2.0%	±1.8%
Conductivity (temp.)	±2.4%	R	$\sqrt{3}$	0.78	0.71	±1.1%	±1.0%
Phantom Permittivity	±14.0%	R	$\sqrt{3}$	0.5	0.5	±4.0%	±4.0%
Distance DUT - TSL	±2.0%	N	1	2	2	±4.0%	±4.0%
Device Positioning	±1.0%	N	1	1	1	±1.0%	±1.0%
Device Holder	±3.6%	N	1	1	1	±3.6%	±3.6%
DUT Modulation	±2.4%	R	$\sqrt{3}$	1	1	±1.4%	±1.4%
Time-average SAR	±1.7%	R	$\sqrt{3}$	1	1	±1.0%	±1.0%
DUT drift	±2.5%	N	1	1	1	±2.5%	±2.5%
Val Antenna Unc.	±0%	N	1	1	1	±0%	±0%
Unc. Input Power	±0%	N	1	1	1	±0%	±0%
Correction to the SAR results							
Deviation to Target	±1.9%	N	1	1	0.84	±1.9%	±1.6%
SAR scaling	±0%	R	$\sqrt{3}$	1	1	±0%	±0%
Combined Uncertainty						±14.2%	±14.1%
Expanded Uncertainty						±28.4%	±28.3%

DASY6 Uncertainty Budget for PD (avg $\geq 1 \text{ cm}^2$) Evaluation Distances to the Antennas $\geq \lambda/25$ in Compliance with IEC/IEEE 63195

Error Description		Unc. Value (±dB)	Probsb. Distri.	Div.	(c _i)	Std. Unc. (±dB)	(v _i) V _{eff}
Uncertainty terms dependent on the measurement system							
CAL	Calibration	0.49	N	1	1	0.49	∞
COR	Probe correction	0	R	√3	1	0	∞
FRS	Frequency response (BW ≤1 GHz)	0.20	R	√3	1	0.12	∞
SCC	Sensor cross coupling	0	R	√3	1	0	∞
ISO	Isotropy	0.50	R	√3	1	0.29	∞
LIN	Linearity	0.20	R	√3	1	0.12	∞
PSC	Probe scattering	0	R	√3	1	0	∞
PPO	Probe positioning offset	0.30	R	√3	1	0.17	∞
PPR	Probe positioning repeatability	0.04	R	√3	1	0.02	∞
SMO	Sensor mechanical offset	0	R	√3	1	0	∞
PSR	Probe spatial resolution	0	R	√3	1	0	∞
FLD	Field impedance dependence	0	R	√3	1	0	∞
MED	Measurement drift	0.05	R	√3	1	0.03	∞
APN	Amplitude and phase noise	0.04	R	√3	1	0.02	∞
TR	Measurement area truncation	0	R	√3	1	0	∞
DAQ	Data acquisition	0.03	N	1	1	0.03	∞
SMP	Sampling	0	R	√3	1	0	∞
REC	Field reconstruction	0.60	R	√3	1	0.35	∞
SNR	Signal-to-Noise Ratio	0	R	√3	1	0	
TRA	FTE/MEO	0	R	√3	1	0 (0)	∞
SCA	Power density scaling	-	R	√3	1	-	∞
SAV	Spatial averaging	0.10	R	√3	1	0.06	∞
Uncertainty terms dependent on the DUT and environmental factors							
PC	Probe coupling with DUT	0	R	√3	1	0	∞
MOD	Modulation response	0.40	R	√3	1	0.23	∞
IT	Integration time	0	R	√3	1	0	∞
RT	Response time	0	R	√3	1	0	∞
DH	Device holder influence	0.10	R	√3	1	0.06	∞
DA	DUT alignment	0	R	√3	1	0	∞
AC	RF ambient conditions	0.04	R	√3	1	0.02	∞
TEM	Laboratory Temperature	0.05	R	√3	1	0.03	∞

REF	Laboratory Reflections	0.04	R	$\sqrt{3}$	1	0.02	∞
MSI	Immunity / secondary reception	0	R	$\sqrt{3}$	1	0	∞
DRI	Drift of the DUT	-	R	$\sqrt{3}$	1	-	∞
Combined Std Uncertainty (w/ FTE/MEO)						0.75	∞
Expanded Std Uncertainty (w/FTE/MEO)						1.51	

Annex A - System Check Result

Test Date: 2026-09-11

SystemPerformanceCheck-SAM2-D2450HSL

DUT: Dipole 2450 MHz D2450V2; Type: D2450V2

Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.83$ S/m; $\epsilon_r = 40.31$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7524; ConvF(7.41, 7.69, 7.32) @ 2450 MHz; Calibrated: 2026-05-27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1552; Calibrated: 2026-01-19
- Phantom: SAM2; Type: QD OVA 004 AA; Serial: 2089
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Configuration/d=10mm, Pin=250mW, dist=1.4mm (EX-Probe)/Area Scan (7x9x1): Measurement grid:

dx=12mm, dy=12mm; Maximum value of SAR (measured) = 20.2 W/kg

Configuration/d=10mm, Pin=250mW, dist=1.4mm (EX-Probe)/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm; Reference Value = 104.3 V/m; Power Drift = -0.03 dB

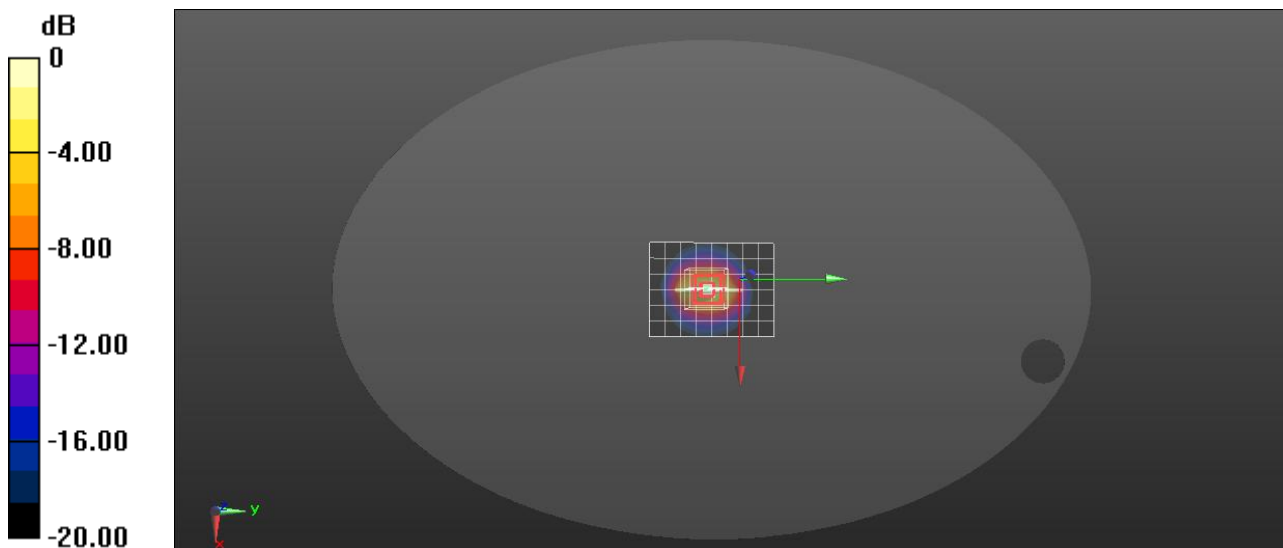
Peak SAR (extrapolated) = 25.4 W/kg

SAR(1 g) = 13 W/kg; SAR(10 g) = 6.13 W/kg

Smallest distance from peaks to all points 3 dB below = 9 mm

Ratio of SAR at M2 to SAR at M1 = 51.3%

Maximum value of SAR (measured) = 21.1 W/kg



0 dB = 21.1 W/kg = 13.24 dBW/kg

Test Date: 2026-09-12

SystemPerformanceCheck-SAM2-D5250HSL

DUT: Dipole D5GHzV2; Type: D5GHzV2

Communication System: CW; Frequency: 5250 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5250$ MHz; $\sigma = 4.61$ S/m; $\epsilon_r = 35.41$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7524; ConvF(5.6, 5.82, 5.53) @ 5250 MHz; Calibrated: 2026-05-27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1552; Calibrated: 2026-01-19
- Phantom: SAM2; Type: QD OVA 004 AA; Serial: 2089
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Configuration/d=10mm, Pin=100mW, dist=1.4mm (EX-Probe)/Area Scan (7x9x1): Measurement grid:

dx=10mm, dy=10mm; Maximum value of SAR (measured) = 15.4 W/kg

Configuration/d=10mm, Pin=100mW, dist=1.4mm (EX-Probe)/Zoom Scan (8x8x8) (7x7x7)/Cube 0:

Measurement grid: dx=4mm, dy=4mm, dz=1.4mm; Reference Value = 54.14 V/m; Power Drift = 0.00 dB

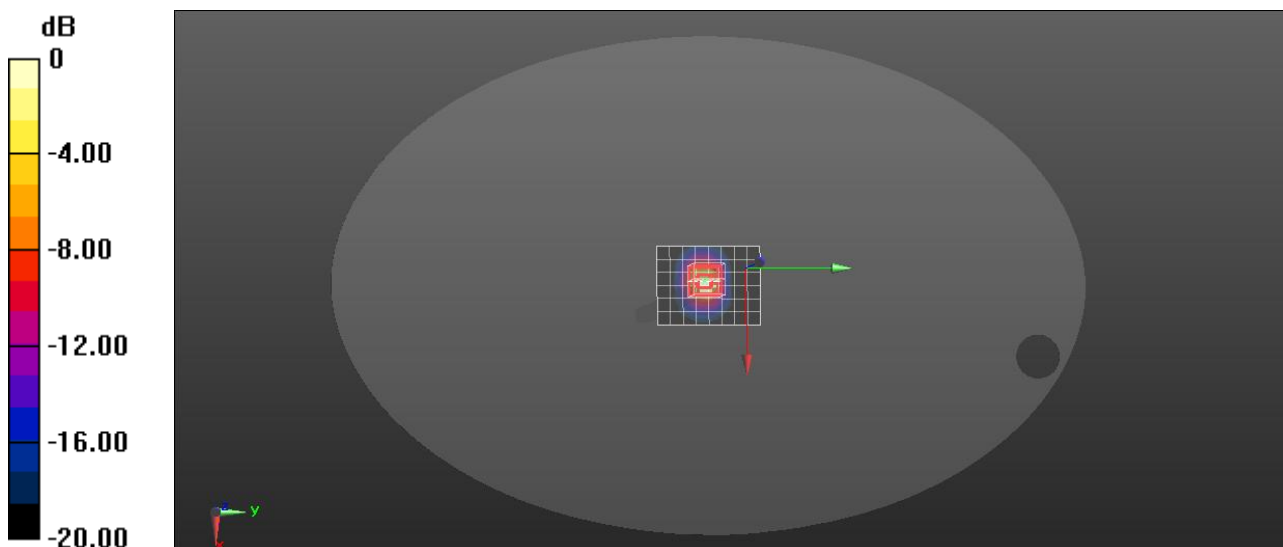
Peak SAR (extrapolated) = 34.0 W/kg

SAR(1 g) = 8.08 W/kg; SAR(10 g) = 2.31 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 63%

Maximum value of SAR (measured) = 20.5 W/kg



0 dB = 20.5 W/kg = 13.12 dBW/kg

Test Date: 2026-09-13

SystemPerformanceCheck-SAM2-D5600HSL

DUT: Dipole D5GHzV2; Type: D5GHzV2

Communication System: CW; Frequency: 5600 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5600$ MHz; $\sigma = 5.01$ S/m; $\epsilon_r = 34.75$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7524; ConvF(5.09, 5.29, 5.03) @ 5600 MHz; Calibrated: 2026-05-27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1552; Calibrated: 2026-01-19
- Phantom: SAM2; Type: QD OVA 004 AA; Serial: 2089
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Configuration/d=10mm, Pin=100mW, dist=1.4mm (EX-Probe)/Area Scan (7x9x1): Measurement grid:

dx=10mm, dy=10mm; Maximum value of SAR (measured) = 18.1 W/kg

Configuration/d=10mm, Pin=100mW, dist=1.4mm (EX-Probe)/Zoom Scan (8x8x8) (7x7x7)/Cube 0:

Measurement grid: dx=4mm, dy=4mm, dz=1.4mm; Reference Value = 54.38 V/m; Power Drift = 0.02 dB

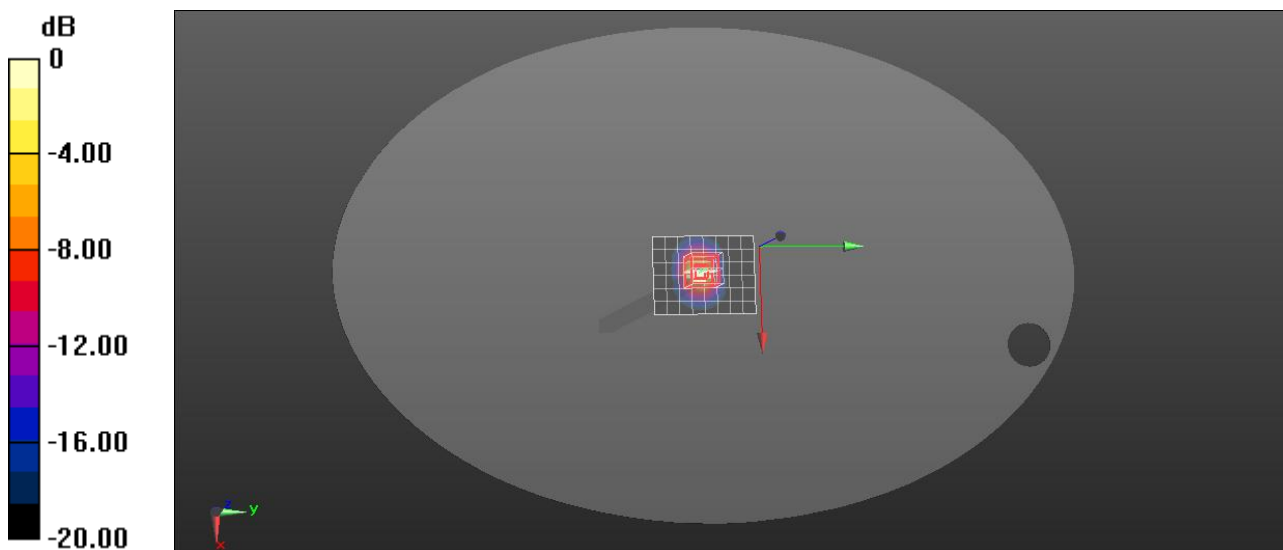
Peak SAR (extrapolated) = 40.2 W/kg

SAR(1 g) = 8.53 W/kg; SAR(10 g) = 2.43 W/kg

Smallest distance from peaks to all points 3 dB below = 7.5 mm

Ratio of SAR at M2 to SAR at M1 = 59.7%

Maximum value of SAR (measured) = 22.6 W/kg



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

Test Date: 2026-09-14

SystemPerformanceCheck-SAM2-D5800HSL

DUT: Dipole D5GHzV2; Type: D5GHzV2

Communication System: CW; Frequency: 5800 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5800$ MHz; $\sigma = 5.24$ S/m; $\epsilon_r = 34.39$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7524; ConvF(5.04, 5.23, 4.98) @ 5800 MHz; Calibrated: 2026-05-27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1552; Calibrated: 2026-01-19
- Phantom: SAM2; Type: QD OVA 004 AA; Serial: 2089
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Configuration/d=10mm, Pin=100 mW, dist=1.4mm (EX-Probe)/Area Scan (7x9x1): Measurement grid:

dx=10mm, dy=10mm; Maximum value of SAR (measured) = 17.0 W/kg

Configuration/d=10mm, Pin=100 mW, dist=1.4mm (EX-Probe)/Zoom Scan (8x8x8) (9x9x7)/Cube 0:

Measurement grid: dx=4mm, dy=4mm, dz=1.4mm; Reference Value = 52.15 V/m; Power Drift = -0.01 dB

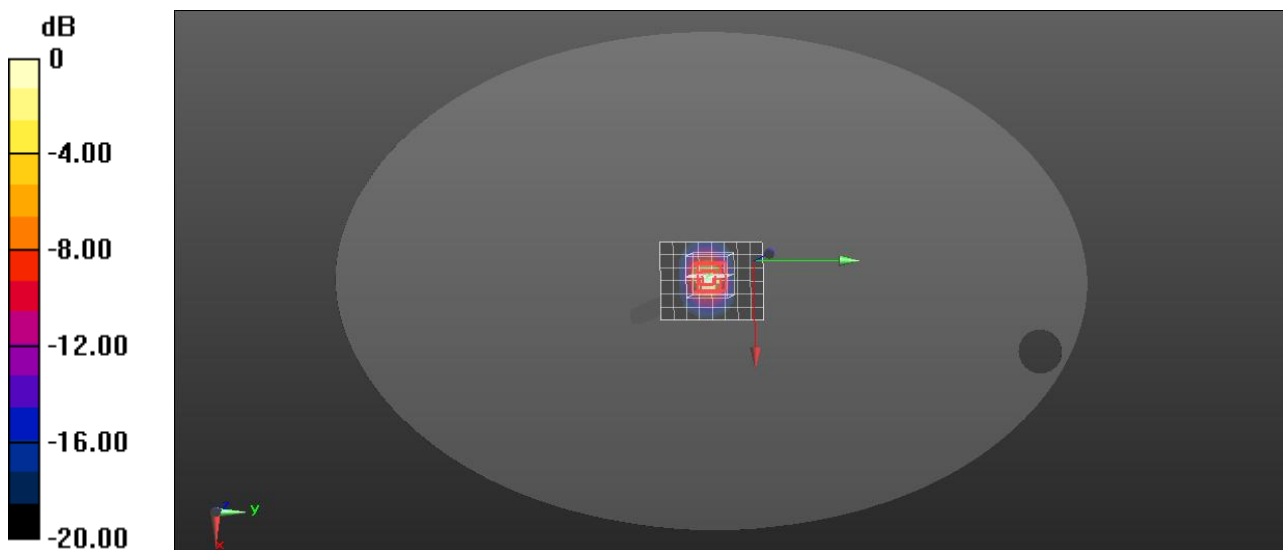
Peak SAR (extrapolated) = 41.0 W/kg

SAR(1 g) = 8.17 W/kg; SAR(10 g) = 2.31 W/kg

Smallest distance from peaks to all points 3 dB below = 7.5 mm

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

Maximum value of SAR (measured) = 21.9 W/kg



0 dB = 21.9 W/kg = 13.40 dBW/kg

System Performance Check Report

Summary

Dipole	Frequency [MHz]	TSL	Power [dBm]	Dev. 1g [%]	Dev. 10g [%]	Dev. Peak [%]	Iso. Error [%]
D6.5GHzV2 - SN1040	6500.0	HSL	20.0	1.7	3.4	-5.4	2.5

Exposure Conditions

Phantom Section, TSL	Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	5		CW, 0	6500.000, 0	5.45	6.01	33.3

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2089	HBBL-600-10000 SL AAH U16 BC, 2026-09-15	EX3DV4 - SN7524, 2026-05-27	DAE4 Sn1552, 2026-01-19

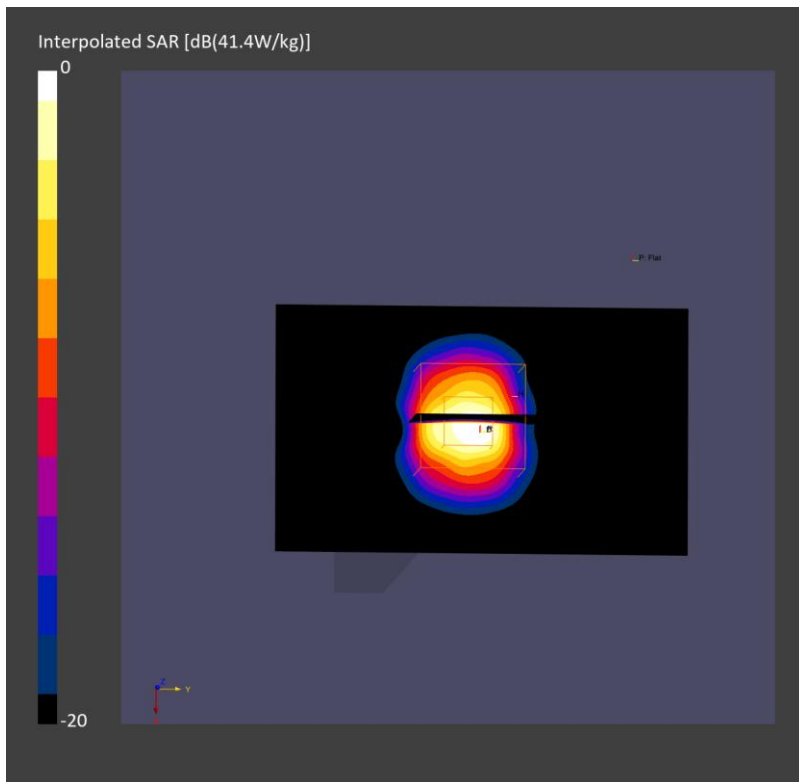
Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	51.0 x 85.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 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
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Measurement Results

	Area Scan	Zoom Scan
Date	2026-09-15	2026-09-15
psSAR1g [W/Kg]	24.7	30.6
psSAR10g [W/Kg]	5.22	5.74
psAPD (1.0 cm2, sq) [W/m2]		306
psAPD (4.0 cm2, sq) [W/m2]		139
Power Drift [dB]	0.00	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction



Measurement Report for Device, FRONT, Validation Band, Test: Continuous Wave, Channel 10000000 (10000.000 MHz)

Device Under Test Properties

Model	Dimensions [mm]	IMEI	DUT Type
Device	100.0 x 100.0 x 100.0		Phone

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G	FRONT, 10.00	Validation Band	Test, 0	10000.000, 10000000	1.0

Hardware Setup

Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1086	Air -	EUmmWV4 - SN9596_F1-55GHz, 2026-02-19	DAE4 Sn1552, 2026-01-19

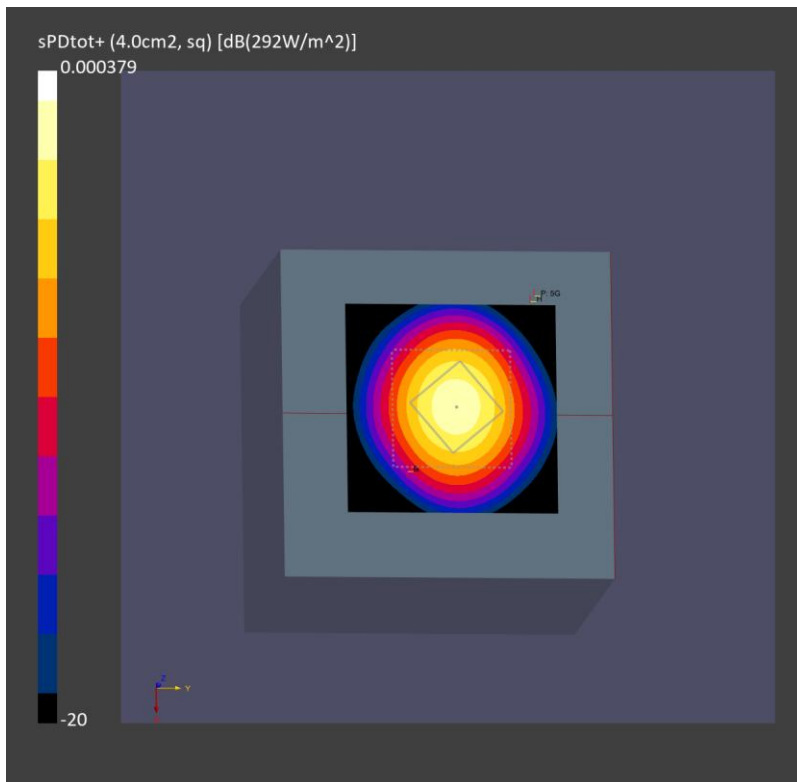
Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	60.0 x 60.0
Grid Steps [lambda]	0.125 x 0.125
Sensor Surface [mm]	10.0
MAIA	Y

Measurement Results

Scan Type	5G Scan
Date	2026-09-23
Avg. Area [cm ²]	4.00
psIPDn+ [W/m ²]	162
psIPDtot+ [W/m ²]	173
psIPDmod+ [W/m ²]	177

$E_{\max}$ [V/m]	292
Power Drift [dB]	-0.00



Annex B - Test Data Plots

Plot 1#

Test Date: 2026-09-11

DUT: Tablet Computer; Type: RT310-L0
Procedure Name: 802.11b 2437MHz Body Back

Communication System: 802.11b; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.82$ S/m; $\epsilon_r = 40.33$; $\rho = 1000$ kg/m³; Tissue Temp (celsius)-22.5 °C; Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7524; ConvF(7.41, 7.69, 7.32) @ 2437 MHz; Calibrated: 2026-05-27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1552; Calibrated: 2026-01-19
- Phantom: SAM2; Type: QD OVA 004 AA; Serial: 2089
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Configuration/802.11b 2437MHz Body Back/Area Scan (8x16x1): Measurement grid: dx=12mm, dy=12mm; Maximum value of SAR (measured) = 1.85 W/kg

Configuration/802.11b 2437MHz Body Back/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm; Reference Value = 25.05 V/m; Power Drift = -0.14 dB

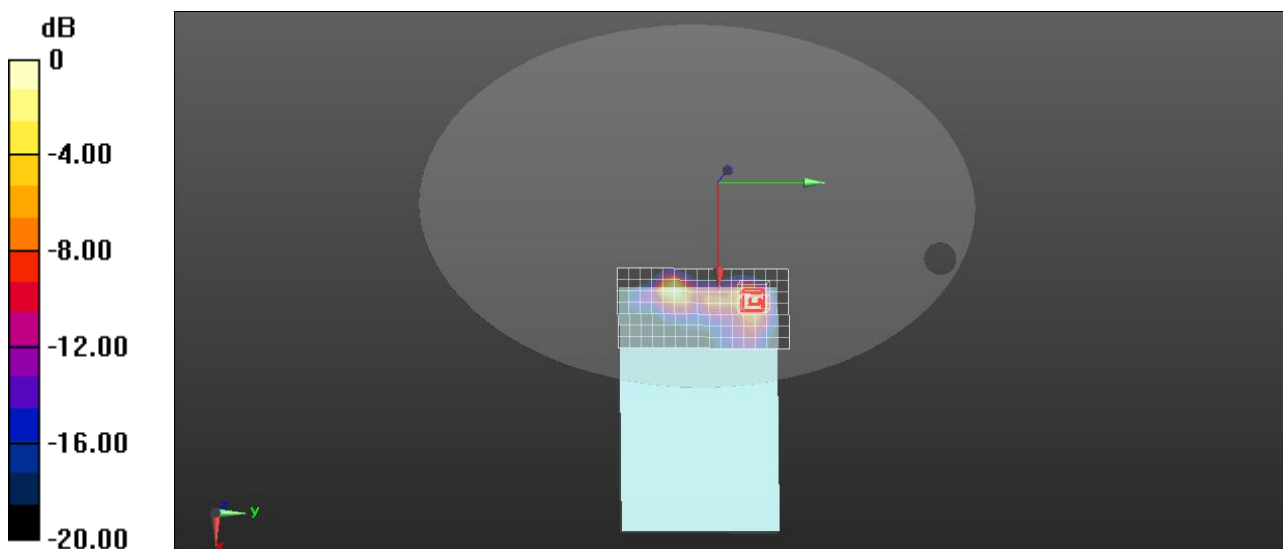
Peak SAR (extrapolated) = 2.12 W/kg

SAR(1 g) = 0.876 W/kg; SAR(10 g) = 0.370 W/kg

Smallest distance from peaks to all points 3 dB below = 7.6 mm

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

Maximum value of SAR (measured) = 1.60 W/kg



0 dB = 1.60 W/kg = 2.04 dBW/kg

Plot 2#

Test Date: 2026-09-12

DUT: Tablet Computer; Type: RT310-L0
Procedure Name: 802.11a 5320MHz Body Back

Communication System: 802.11a; Frequency: 5320 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5320$ MHz; $\sigma = 4.69$ S/m; $\epsilon_r = 35.27$; $\rho = 1000$ kg/m³; Tissue Temp (celsius)-22.5 °C; Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7524; ConvF(5.6, 5.82, 5.53) @ 5320 MHz; Calibrated: 2026-05-27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1552; Calibrated: 2026-01-19
- Phantom: SAM2; Type: QD OVA 004 AA; Serial: 2089
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Configuration/802.11a 5320MHz Body Back/Area Scan (10x19x1): Measurement grid: dx=10mm, dy=10mm; Maximum value of SAR (measured) = 2.76 W/kg

Configuration/802.11a 5320MHz Body Back/Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm; Reference Value = 19.36 V/m; Power Drift = -0.19 dB

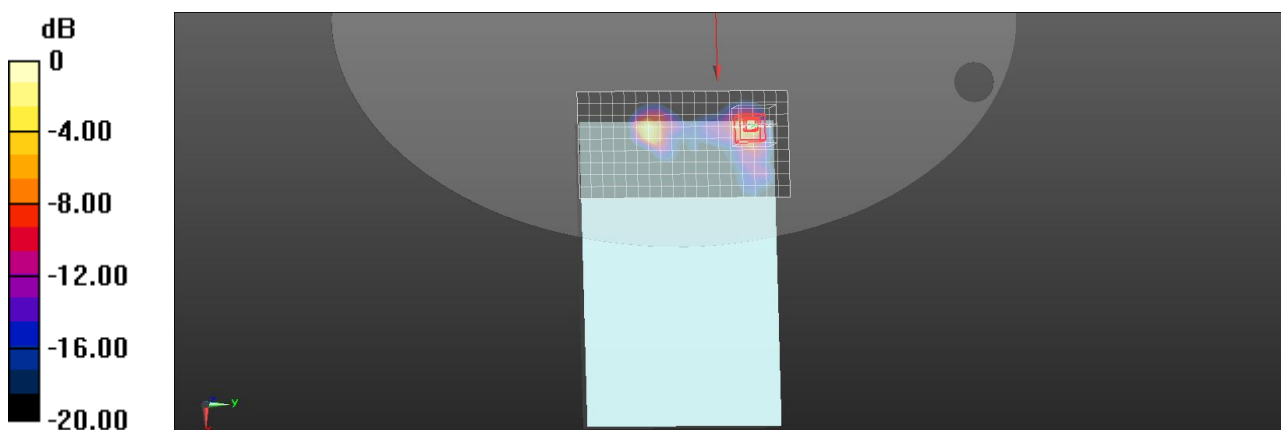
Peak SAR (extrapolated) = 5.99 W/kg

SAR(1 g) = 1.01 W/kg; SAR(10 g) = 0.256 W/kg

Smallest distance from peaks to all points 3 dB below = 4.7 mm

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

Maximum value of SAR (measured) = 2.99 W/kg



0 dB = 2.99 W/kg = 4.76 dBW/kg

Plot 3#

Test Date: 2026-09-13

DUT: Tablet Computer; Type: RT310-L0
Procedure Name: 802.11a 5500MHz Body Back

Communication System: 802.11a; Frequency: 5500 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5500$ MHz; $\sigma = 4.89$ S/m; $\epsilon_r = 34.94$; $\rho = 1000$ kg/m³; Tissue Temp (celsius)-22.5 °C; Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7524; ConvF(5.09, 5.29, 5.03) @ 5500 MHz; Calibrated: 2026-05-27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1552; Calibrated: 2026-01-19
- Phantom: SAM2; Type: QD OVA 004 AA; Serial: 2089
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Configuration/802.11a 5500MHz Body Back/Area Scan (10x19x1): Measurement grid: dx=10mm, dy=10mm; Maximum value of SAR (measured) = 2.93 W/kg

Configuration/802.11a 5500MHz Body Back/Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm; Reference Value = 15.81 V/m; Power Drift = 0.01 dB

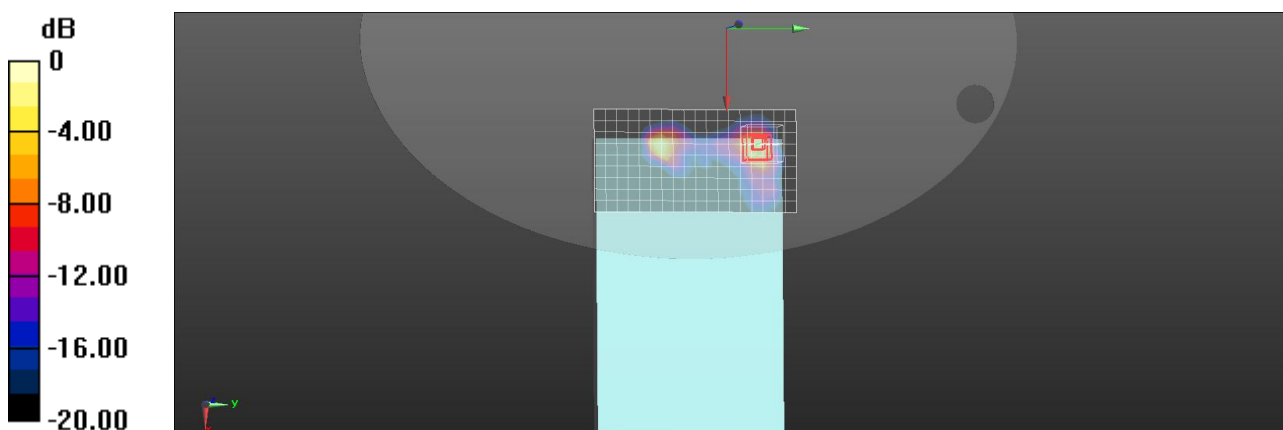
Peak SAR (extrapolated) = 6.05 W/kg

SAR(1 g) = 0.977 W/kg; SAR(10 g) = 0.265 W/kg

Smallest distance from peaks to all points 3 dB below = 4.8 mm

Ratio of SAR at M2 to SAR at M1 = 55.6%

Maximum value of SAR (measured) = 2.80 W/kg



0 dB = 2.80 W/kg = 4.47 dBW/kg

Plot 4#

Test Date: 2026-09-14

DUT: Tablet Computer; Type: RT310-L0
Procedure Name: 802.11a 5745MHz Body Back

Communication System: 802.11a; Frequency: 5745 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5745 \text{ MHz}$; $\sigma = 5.18 \text{ S/m}$; $\epsilon_r = 34.49$; $\rho = 1000 \text{ kg/m}^3$; Tissue Temp (celsius)-
22.5 °C; Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7524; ConvF(5.04, 5.23, 4.98) @ 5745 MHz; Calibrated: 2026-05-27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1552; Calibrated: 2026-01-19
- Phantom: SAM2; Type: QD OVA 004 AA; Serial: 2089
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Configuration/802.11a 5745MHz Body Back/Area Scan (10x19x1): Measurement grid: $dx=10\text{mm}$,
 $dy=10\text{mm}$; Maximum value of SAR (measured) = 2.56 W/kg

Configuration/802.11a 5745MHz Body Back/Zoom Scan (9x9x7)/Cube 1: Measurement grid: $dx=4\text{mm}$,
 $dy=4\text{mm}$, $dz=1.4\text{mm}$; Reference Value = 16.30 V/m; Power Drift = 0.04 dB

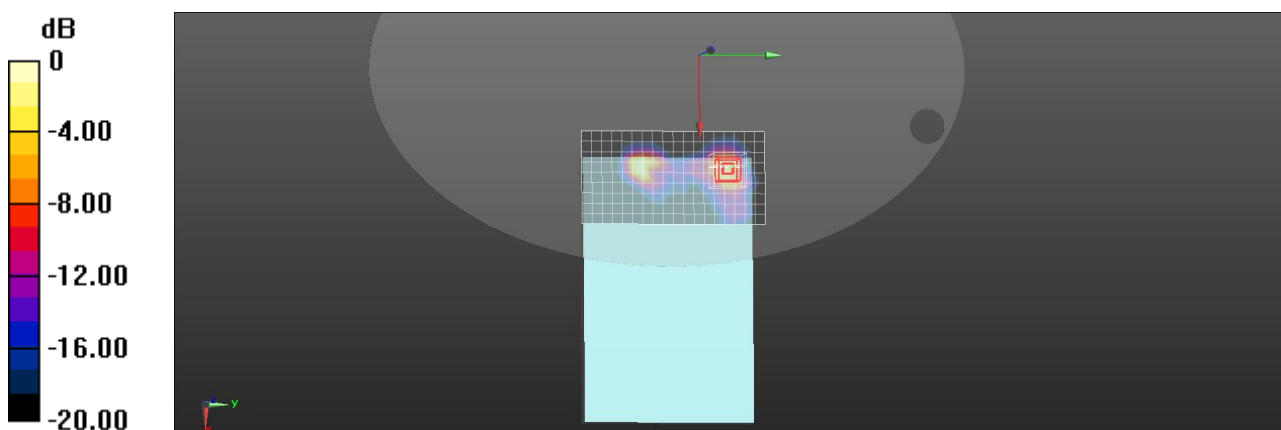
Peak SAR (extrapolated) = 5.58 W/kg

SAR(1 g) = 0.927 W/kg; SAR(10 g) = 0.261 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 55%

Maximum value of SAR (measured) = 2.55 W/kg



0 dB = 2.55 W/kg = 4.07 dBW/kg

Plot 5#

Test Date: 2026-09-14

DUT: Tablet Computer; Type: RT310-L0
Procedure Name: 802.11a 5845MHz Body Back

Communication System: 802.11a; Frequency: 5845 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5845$ MHz; $\sigma = 5.29$ S/m; $\epsilon_r = 34.31$; $\rho = 1000$ kg/m³; Tissue Temp (celsius)-22.5 °C; Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7524; ConvF(5.04, 5.23, 4.98) @ 5845 MHz; Calibrated: 2026-05-27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1552; Calibrated: 2026-01-19
- Phantom: SAM2; Type: QD OVA 004 AA; Serial: 2089
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Configuration/802.11a 5845MHz Body Back/Area Scan (10x19x1): Measurement grid: dx=10mm, dy=10mm; Maximum value of SAR (measured) = 2.32 W/kg

Configuration/802.11a 5845MHz Body Back/Zoom Scan (9x9x7)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm; Reference Value = 14.83 V/m; Power Drift = -0.06 dB

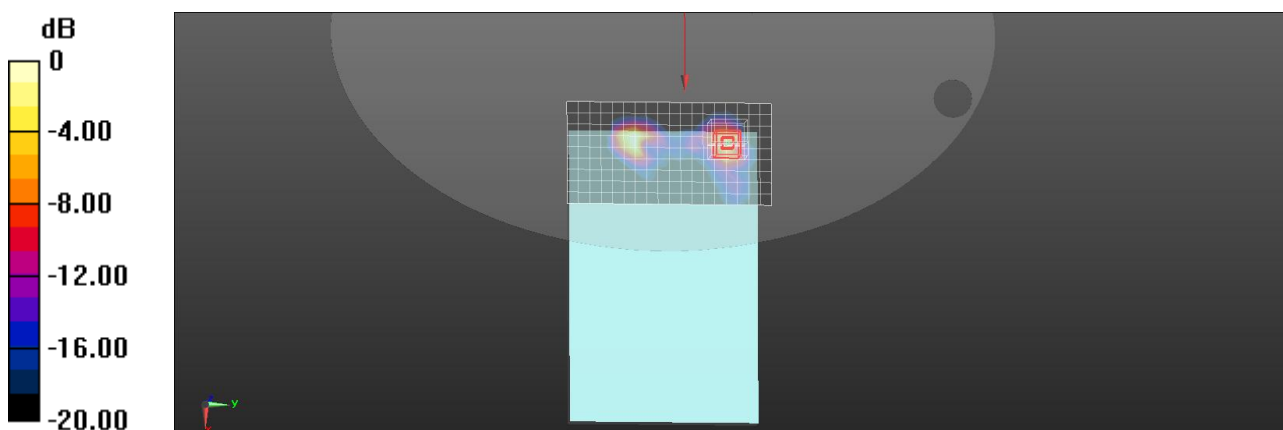
Peak SAR (extrapolated) = 4.43 W/kg

SAR(1 g) = 0.731 W/kg; SAR(10 g) = 0.208 W/kg

Smallest distance from peaks to all points 3 dB below = 5.7 mm

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

Maximum value of SAR (measured) = 2.09 W/kg



0 dB = 2.09 W/kg = 3.20 dBW/kg

Plot 6#

Measurement Report for RT310-L0, BACK, U-NII 8, WiFi (802.11a): OFDM, BPSK, 6.0 Mbps, 99.9% DC, Channel 233 (7115.000 MHz)
Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
RT310-L0, Hand Held Products, Inc.	257.0 x 166.5 x 11.7		Tablet

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, Head Simulating Liquid	BACK, 0.00	U-NII 8	WiFi (802.11a), 10417	7115.000, 233	5.45	6.74	32.3

Hardware Setup

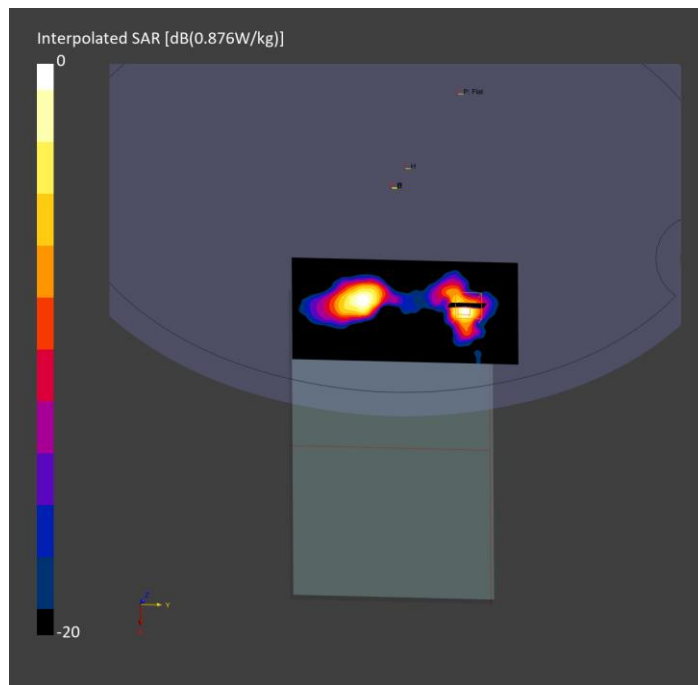
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2089	HBBL-600-10000 SL AAH U16 BC, 2026-09-15	EX3DV4 - SN7524, 2026-05-27	DAE4 Sn1552, 2026-01-19

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 60.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.0 x 3.0 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	2026-09-15	2026-09-15
psSAR1g [W/kg]	0.575	0.666
psSAR10g [W/kg]	0.140	0.147
psAPD (1.0cm ² , sq) [W/m ²]		6.66
psAPD (4.0cm ² , sq) [W/m ²]		3.46
Power Drift [dB]	0.07	-0.09
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		46.5
Dist 3dB Peak [mm]		3.9



Plot 7#

Test Date: 2026-09-11

DUT: Tablet Computer; Type: RT310-L0
Procedure Name: Bluetooth 2DH5 2480MHz Body Back

Communication System: Bluetooth; Frequency: 2480 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2480$ MHz; $\sigma = 1.85$ S/m; $\epsilon_r = 40.28$; $\rho = 1000$ kg/m³; Tissue Temp (celsius)-22.5 °C; Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7524; ConvF(7.41, 7.69, 7.32) @ 2480 MHz; Calibrated: 2026-05-27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1552; Calibrated: 2026-01-19
- Phantom: SAM2; Type: QD OVA 004 AA; Serial: 2089
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Configuration/Bluetooth 2DH5 2480MHz Body Back/Area Scan (8x14x1): Measurement grid: dx=12mm, dy=12mm; Maximum value of SAR (measured) = 0.294 W/kg

Configuration/Bluetooth 2DH5 2480MHz Body Back/Zoom Scan (7x7x7)/Cube 0: Measurement grid:

dx=5mm, dy=5mm, dz=5mm; Reference Value = 9.242 V/m; Power Drift = 0.06 dB

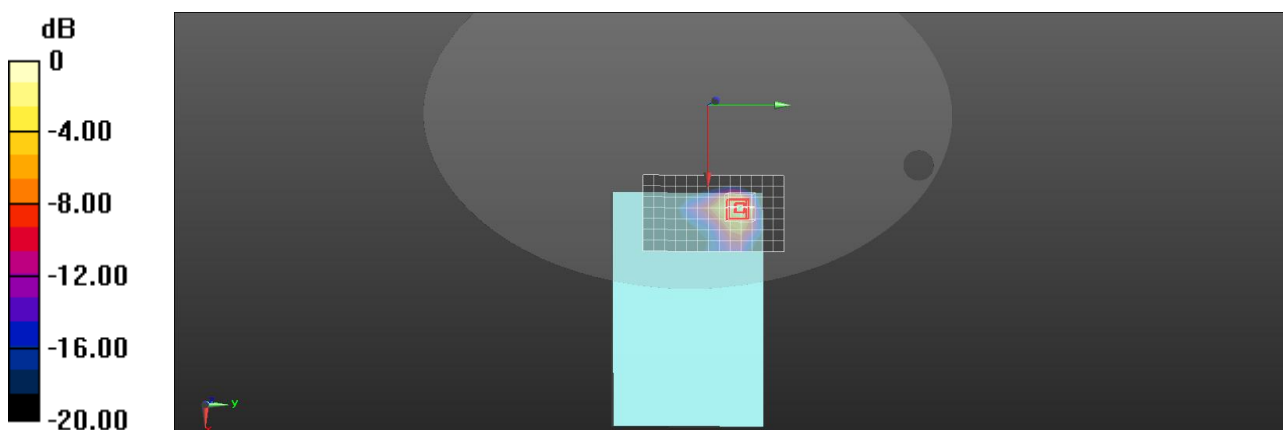
Peak SAR (extrapolated) = 0.412 W/kg

SAR(1 g) = 0.164 W/kg; SAR(10 g) = 0.069 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 41.5%

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



0 dB = 0.309 W/kg = -5.10 dBW/kg

Plot 8#

Test Date: 2026-09-11

DUT: Tablet Computer; Type: RT310-L0
Procedure Name: 802.11b 2412MHz Body Back

Communication System: 802.11b; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2412$ MHz; $\sigma = 1.8$ S/m; $\epsilon_r = 40.36$; $\rho = 1000$ kg/m³; Tissue Temp (celsius)-22.5 °C; Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7524; ConvF(7.41, 7.69, 7.32) @ 2412 MHz; Calibrated: 2026-05-27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1552; Calibrated: 2026-01-19
- Phantom: SAM2; Type: QD OVA 004 AA; Serial: 2089
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Configuration/802.11b 2412MHz Body Back/Area Scan (8x16x1): Measurement grid: dx=12mm, dy=12mm; Maximum value of SAR (measured) = 1.70 W/kg

Configuration/802.11b 2412MHz Body Back/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm; Reference Value = 23.29 V/m; Power Drift = -0.10 dB

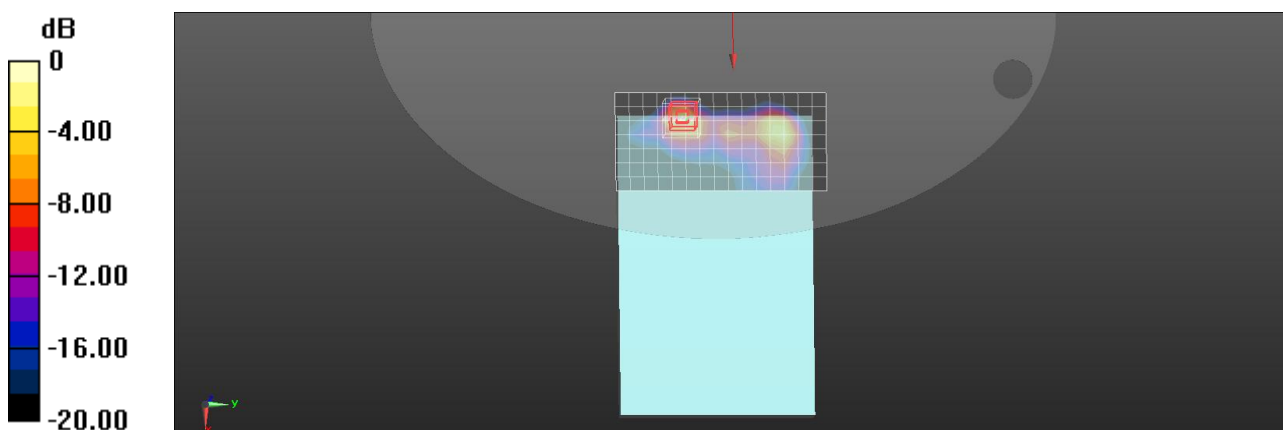
Peak SAR (extrapolated) = 2.44 W/kg

SAR(1 g) = 0.959 W/kg; SAR(10 g) = 0.350 W/kg

Smallest distance from peaks to all points 3 dB below = 5.8 mm

Ratio of SAR at M2 to SAR at M1 = 38.9%

Maximum value of SAR (measured) = 1.67 W/kg



0 dB = 1.67 W/kg = 2.23 dBW/kg

Plot 9#

Test Date: 2026-09-12

DUT: Tablet Computer; Type: RT310-L0
Procedure Name: 802.11a 5260MHz Body Back

Communication System: 802.11a; Frequency: 5260 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5260$ MHz; $\sigma = 4.63$ S/m; $\epsilon_r = 35.39$; $\rho = 1000$ kg/m³; Tissue Temp (celsius)-22.5 °C; Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7524; ConvF(5.6, 5.82, 5.53) @ 5260 MHz; Calibrated: 2026-05-27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1552; Calibrated: 2026-01-19
- Phantom: SAM2; Type: QD OVA 004 AA; Serial: 2089
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Configuration/802.11a 5260MHz Body Back/Area Scan (10x19x1): Measurement grid: dx=10mm, dy=10mm; Maximum value of SAR (measured) = 2.58 W/kg

Configuration/802.11a 5260MHz Body Back/Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm; Reference Value = 21.17 V/m; Power Drift = -0.17 dB

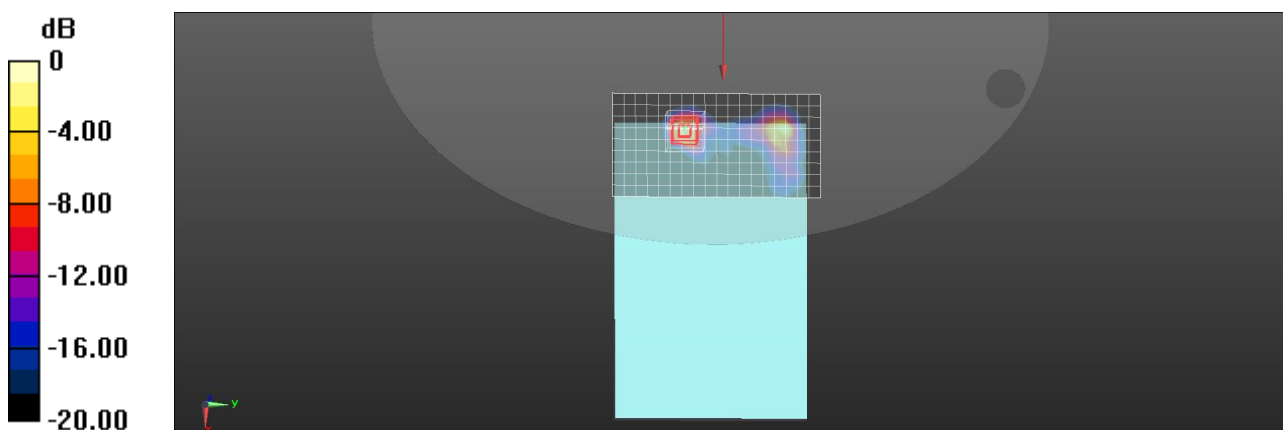
Peak SAR (extrapolated) = 4.50 W/kg

SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.277 W/kg

Smallest distance from peaks to all points 3 dB below = 5.7 mm

Ratio of SAR at M2 to SAR at M1 = 61.2%

Maximum value of SAR (measured) = 2.63 W/kg



0 dB = 2.63 W/kg = 4.20 dBW/kg

Plot 10#

Test Date: 2026-09-14

DUT: Tablet Computer; Type: RT310-L0
Procedure Name: 802.11a 5720MHz Body Back

Communication System: 802.11a; Frequency: 5720 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5720$ MHz; $\sigma = 5.14$ S/m; $\epsilon_r = 34.53$; $\rho = 1000$ kg/m³; Tissue Temp (celsius)-22.5 °C; Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7524; ConvF(5.04, 5.23, 4.98) @ 5720 MHz; Calibrated: 2026-05-27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1552; Calibrated: 2026-01-19
- Phantom: SAM2; Type: QD OVA 004 AA; Serial: 2089
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Configuration/802.11a 5720MHz Body Back/Area Scan (10x19x1): Measurement grid: dx=10mm, dy=10mm; Maximum value of SAR (measured) = 1.80 W/kg

Configuration/802.11a 5720MHz Body Back/Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm; Reference Value = 16.11 V/m; Power Drift = -0.06 dB

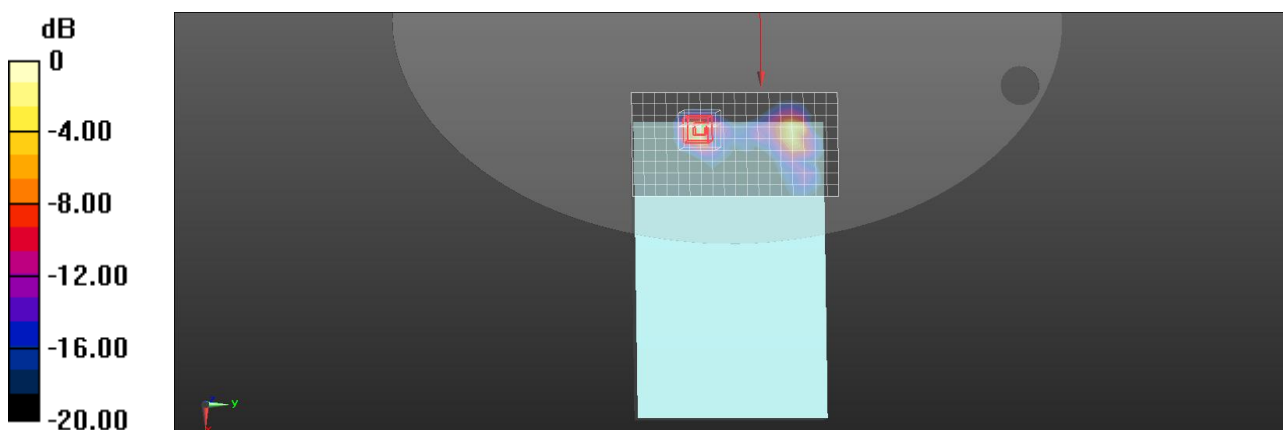
Peak SAR (extrapolated) = 5.60 W/kg

SAR(1 g) = 0.936 W/kg; SAR(10 g) = 0.260 W/kg

Smallest distance from peaks to all points 3 dB below = 4.7 mm

Ratio of SAR at M2 to SAR at M1 = 57%

Maximum value of SAR (measured) = 2.73 W/kg



0 dB = 2.73 W/kg = 4.36 dBW/kg

Plot 11#

Test Date: 2026-09-14

DUT: Tablet Computer; Type: RT310-L0
Procedure Name: 802.11a 5745MHz Body Back

Communication System: 802.11a; Frequency: 5745 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5745 \text{ MHz}$; $\sigma = 5.18 \text{ S/m}$; $\epsilon_r = 34.49$; $\rho = 1000 \text{ kg/m}^3$; Tissue Temp (celsius)-
22.5 °C; Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7524; ConvF(5.04, 5.23, 4.98) @ 5745 MHz; Calibrated: 2026-05-27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1552; Calibrated: 2026-01-19
- Phantom: SAM2; Type: QD OVA 004 AA; Serial: 2089
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Configuration/802.11a 5745MHz Body Back/Area Scan (10x19x1): Measurement grid: $dx=10\text{mm}$,
 $dy=10\text{mm}$; Maximum value of SAR (measured) = 2.56 W/kg

Configuration/802.11a 5745MHz Body Back/Zoom Scan (9x9x7)/Cube 0: Measurement grid: $dx=4\text{mm}$,
 $dy=4\text{mm}$, $dz=1.4\text{mm}$; Reference Value = 16.30 V/m; Power Drift = 0.04 dB

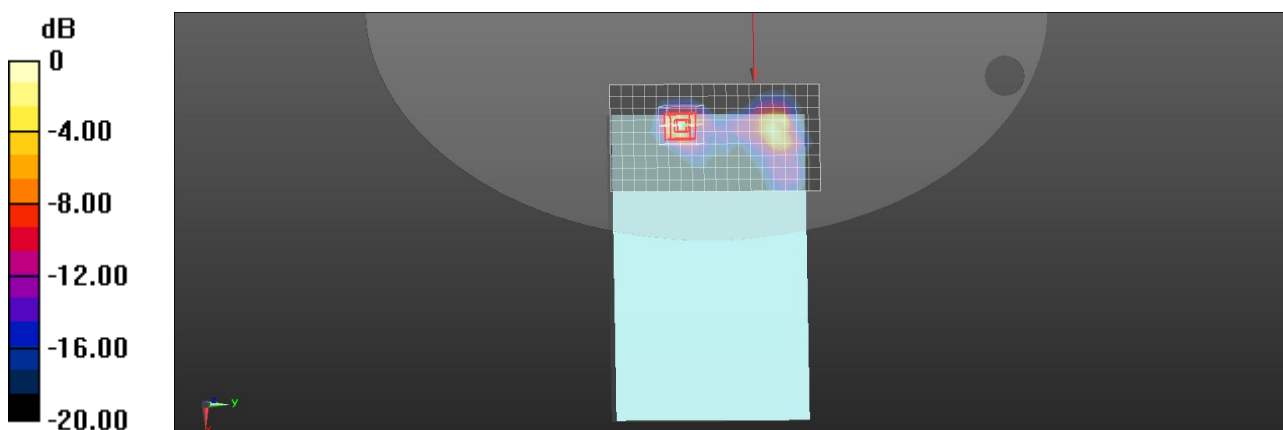
Peak SAR (extrapolated) = 5.76 W/kg

SAR(1 g) = 0.949 W/kg; SAR(10 g) = 0.261 W/kg

Smallest distance from peaks to all points 3 dB below = 4.5 mm

Ratio of SAR at M2 to SAR at M1 = 56.8%

Maximum value of SAR (measured) = 2.83 W/kg



0 dB = 2.83 W/kg = 4.52 dBW/kg

Plot 12#

Test Date: 2026-09-14

DUT: Tablet Computer; Type: RT310-L0
Procedure Name: 802.11a 5885MHz Body Back

Communication System: 802.11a; Frequency: 5885 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5885$ MHz; $\sigma = 5.34$ S/m; $\epsilon_r = 34.24$; $\rho = 1000$ kg/m³; Tissue Temp (celsius)-22.5 °C; Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7524; ConvF(5.04, 5.23, 4.98) @ 5885 MHz; Calibrated: 2026-05-27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1552; Calibrated: 2026-01-19
- Phantom: SAM2; Type: QD OVA 004 AA; Serial: 2089
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Configuration/802.11a 5885MHz Body Back/Area Scan (10x19x1): Measurement grid: dx=10mm, dy=10mm; Maximum value of SAR (measured) = 2.33 W/kg

Configuration/802.11a 5885MHz Body Back/Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm; Reference Value = 18.99 V/m; Power Drift = -0.16 dB

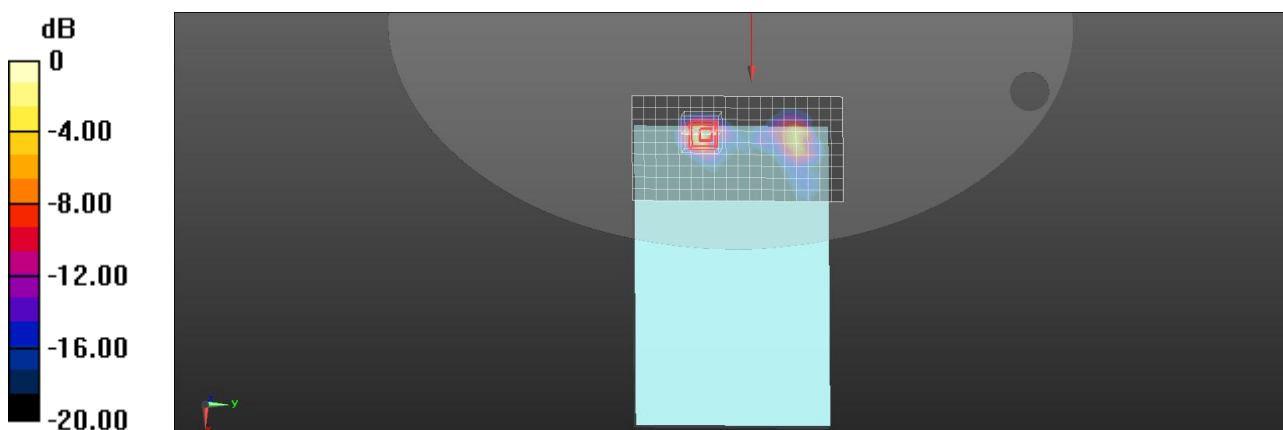
Peak SAR (extrapolated) = 6.24 W/kg

SAR(1 g) = 0.943 W/kg; SAR(10 g) = 0.244 W/kg

Smallest distance from peaks to all points 3 dB below = 4.3 mm

Ratio of SAR at M2 to SAR at M1 = 55%

Maximum value of SAR (measured) = 2.97 W/kg



0 dB = 2.97 W/kg = 4.73 dBW/kg

Plot 13#

Measurement Report for RT310-L0, BACK, U-NII 7, WiFi (802.11a): OFDM, BPSK, 6.0 Mbps, 99.9% DC, Channel 117 (6535.000 MHz)
Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
RT310-L0, Hand Held Products, Inc.	257.0 x 166.5 x 11.7		Tablet

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, Head Simulating Liquid	BACK, 0.00	U-NII 7	WiFi (802.11a), 10417	6535.000, 117	5.45	6.05	33.3

Hardware Setup

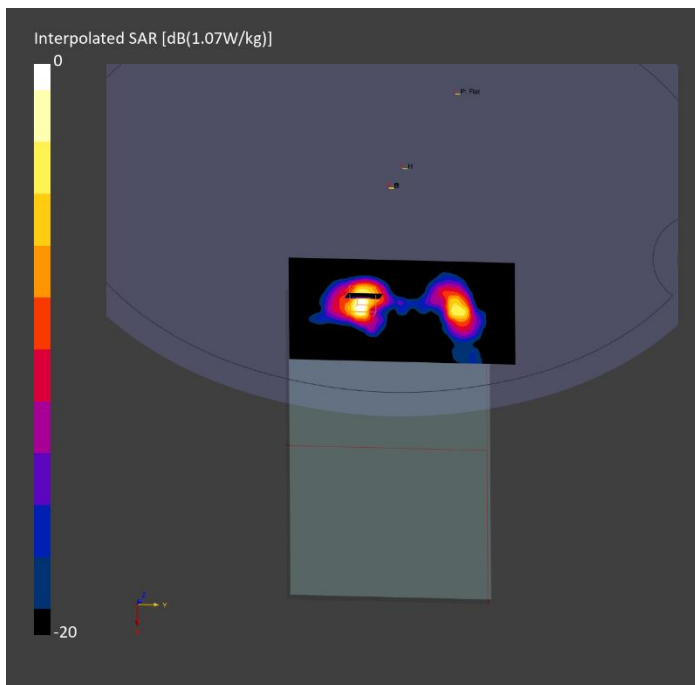
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2089	HBBL-600-10000 SL AAH U16 BC, 2026-09-15	EX3DV4 - SN7524, 2026-05-27	DAE4 Sn1552, 2026-01-19

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	70.0 x 180.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.2
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-09-15	2026-09-15
psSAR1g [W/kg]	0.710	0.672
psSAR10g [W/kg]	0.182	0.190
psAPD (1.0cm2, sq) [W/m2]		6.72
psAPD (4.0cm2, sq) [W/m2]		4.38
Power Drift [dB]	0.01	0.11
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		54.6
Dist 3dB Peak [mm]		4.5



Plot 14#

Measurement Report for RT310-L0, FRONT, U-NII 7, WiFi (802.11a): OFDM, BPSK, 6.0 Mbps, 99.9% DC, Channel 117 (6535.000 MHz)
Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
RT310-L0, Hand Held Products, Inc.	257.0 x 166.5 x 11.7		Tablet

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G	FRONT, 2.00	U-NII 7	WiFi (802.11a), 10417	6535.000, 117	1.0

Hardware Setup

Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1086	Air -	EUmmWV4 - SN9596_F1-55GHz, 2026-02-19	DAE4 Sn1552, 2026-01-19

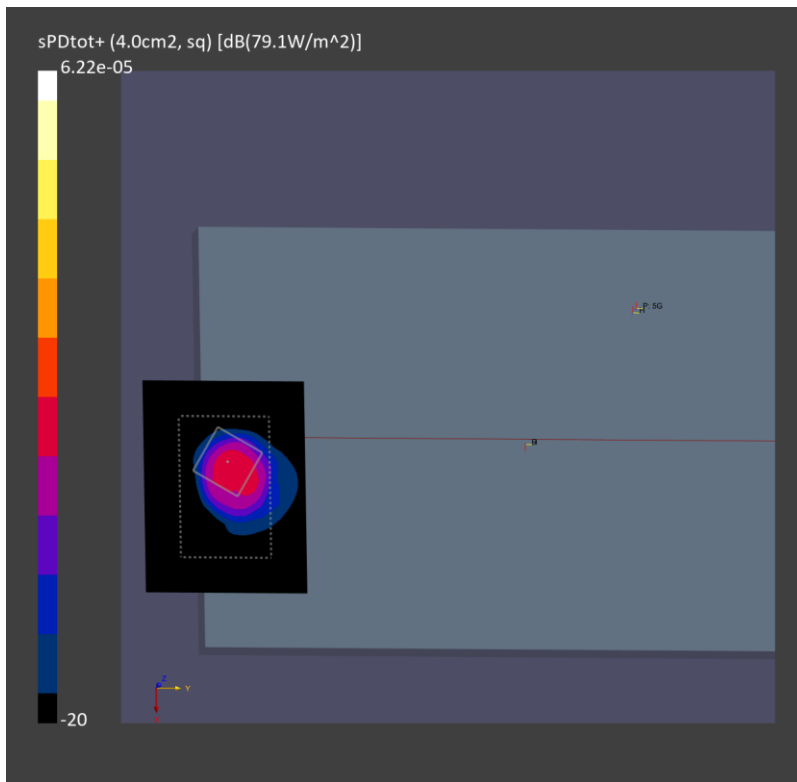
Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	80.0 x 60.0
Grid Steps [lambda]	0.044 x 0.044
Sensor Surface [mm]	2.0
MAIA	Y

Measurement Results

Scan Type	5G Scan
Date	2026-09-23
Avg. Area [cm ²]	4.00
psIPDn+ [W/m ²]	3.42
psIPDtot+ [W/m ²]	6.55
psIPDmod+ [W/m ²]	13.6

$E_{\max}$ [V/m]	79.1
Power Drift [dB]	0.04



Annex C - SAR Test Setup Photograph

Please refer to “R26S1032085-UT”.

Annex D - EUT Photograph

Please refer to "R26S1032085-UE".

Annex E - Equipment Calibration Report

Please refer to document “Annex E - Equipment Calibration Report.pdf”.