

FCC 2.1093 SAR Test Report

for

MilDef Crete Inc.

**7F, No.250, Sec.3, Pei Shen Rd., Shen Keng District,
New Taipei City Taiwan R.O.C.**

Product Name : Tablet
Model Name : DP8
Brand : MilDef Crete
FCC ID : IR5DP8

**Prepared by: : AUDIX Technology Corporation,
EMC Department**



The test report is based on a single evaluation of one sample of the above-mentioned products. It does not imply an assessment of the whole production and does not permit the use of the test lab logo.

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APPENDIX A TEST GRAPH RESULT

APPENDIX B TEST PHOTOGRAPHS

APPENDIX C TEST EQUIPMENT CALIBRATION DATA



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TEST REPORT

Applicant : MilDef Crete Inc.
Manufacturer : MilDef Crete Inc.
EUT Description
(1) Product : Tablet
(2) Model : DP8
(3) Brand : MilDef Crete
(4) Power Supply : DC 20V, 3.0A 60.0W

Applicable Standards:

Title 47FCC CFR, Part 2 §2.1093

Audix Technology Corp. tested the equipment mentioned in accordance with the requirements set forth in the above standards. Test results indicate that the equipment tested is capable of demonstrating compliance with the requirements as documented within this report.

Audix Technology Corp. does not assume responsibility for any conclusions and generalizations drawn from the test results with regard to other specimens and samples.

Date of Report: 2026. 06. 01

Reviewed by:

Sabrina Wang

(Sabrina Wang/Administrator)

Approved by:

Johnny Hsueh

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1. REVISION RECORD OF TEST REPORT

Edition No.	Issued Date	Revision Summary	Report Number
0	2026. 06. 01	Original Report	EM-SR260037

2. SUMMARY OF TEST RESULTS

● SAR_{10g} (W/kg) measurement (Test Position: Front)

Highest Transmission SAR	SAR _{10g} (W/kg)	Limit
WLAN 2.4G	0.042 W/kg	4.0 W/kg
BT	0.005 W/kg	4.0 W/kg
WLAN 5G	0.033 W/kg	4.0 W/kg

Highest Simultaneous Transmission SAR	SAR _{10g} (W/kg)	Total SAR _{10g}
WLAN 5G (5190MHz) AUX ANT 1 (Front)+	0.033	0.052 W/kg
WLAN 5G (5190MHz) Main ANT 2 (Front) +	0.014	
BT (2480MHz) ANT 1 (Front)	0.005	

Note: Exceptions are the parts of the human body treated as extremities, such as hands, wrists, feet, ankles, and pinnae, where the peak spatial-average SAR limit is 4 W/kg, averaged over any 10 grams of tissue (defined as a tissue volume in the shape of a cube)

● SAR_{1g} (W/kg) measurement (Test Position: Top / Bottom / Back / Right)

Highest Transmission SAR	SAR _{1g} (W/kg)	Limit
WLAN 2.4G	0.735 W/kg	1.6 W/kg
BT	0.043 W/kg	1.6 W/kg
WLAN 5G	1.371 W/kg	1.6 W/kg

Highest Simultaneous Transmission SAR	SAR _{10g} (W/kg)	Total SAR _{10g}
WLAN 5G (5230MHz) AUX ANT 1 (Bottom)	1.301	1.351 W/kg
WLAN 5G (5230MHz) Main ANT 2 (Bottom)	0.007	
BT (2480MHz) ANT 1 (Bottom)	0.043	
Note: SPLSR=0.01175		

3. GENERAL INFORMATION

The EUT's information described in this section are all provided by the applicant.

3.1. Description of Application

Applicant	MilDef Crete Inc. 7F, No.250, Sec.3, Pei Shen Rd., Shen Keng District, New Taipei City Taiwan R.O.C.
Manufacturer	MilDef Crete Inc. 7F, No.250, Sec.3, Pei Shen Rd., Shen Keng District, New Taipei City Taiwan R.O.C.
Product	Tablet
Model	DP8
Brand	MilDef Crete

3.2. Description of EUT

Test Model	DP8		
Serial Number	N/A		
Power Rating	DC 20V, 3.0A 60.0W		
Software Version	BIOS DP8B260427		
RF Features	WLAN:802.11 a/b/g/n/ac/ax, Bluetooth: BT and BLE		
Transmit Type	2.4 GHz Bands		
	802.11b	1T1R	
	802.11g	1T1R	
	802.11n-HT20/40	2T2R	
	802.11ax-HE20/40	2T2R	
	BT/BLE	1T1R	
	U-NII Bands		
	802.11a	1T1R	
	802.11n-HT20/40	2T2R	
	802.11ac-VHT20/40/80	2T2R	
	802.11ax-HE20/40/80	2T2R	
Sample Status	Trial sample		
Test Sample	Sample No.	Test Item	Firmware
	01	SAR	N/A
Date of Receipt	2026. 03. 25		
Date of Test	2026. 05. 26 ~ 29		
Interface Ports of EUT	• One Type C Port • One USB Port		
Accessories Supplied	• AC Adapter		

Note: Pursuant ISO 17025:2017 section 7.8.2, Audix Technology Corp. does not assume responsibility for all EUT's information including RF features, transmit type, antenna information...etc are provided by customer.

3.3. Reference Test Guidance

IEEE 1528-2013

IEC/IEEE 62209-1528:2020

KDB 447498 D01 General RF Exposure Guidance v06

KDB 447498 D04 Interim General RF Exposure Guidance v01

KDB 865664 D01 SAR Measurement 100MHz to 6GHz v01r04

KDB 616217 D04 SAR for EUT and tablets v01r02

KDB 248227 D01 802 11 Wi-Fi SAR v02r02

3.4. Antenna Information

No.	Antenna Part Number	Manufacture	Antenna Type	Frequency (MHz)	Max Gain(dBi)
1.	G980-000244 (AUX ANT 1)	MilDef Crete Inc.	PCBA	2400~2500	-0.05
				5150~5850	5.39
2.	G980-000244 (Main ANT 2)	MilDef Crete Inc.	PCBA	2400~2500	1.26
				5150~5850	4.89

3.5. Description of Key Components

Item	Supplier	Model / Type	Character
AC Adapter	ADAPTER TECH	CDP060A2-P200	I/P: AC 100-240V, 50-60Hz, 0.8A Max. O/P: DC 5V, 3.0A 15.0W (Normal charging mode) or DC 9V, 3.0A 27.0W (Fast charging mode) or DC 12V, 3.0A 36.0W (Fast charging mode) or DC 15V, 3.0A 45.0W (Fast charging mode) or DC 20V, 3.0A 60.0W (Fast charging mode)
WLAN Combo Card	Intel	AX210NGWG	Intel Wi-Fi 6E AX210 (Gig+), 2230, 2x2 AX R2 (6GHz)+BT FCC ID: PD9AX210NG IC: 1000M-AX210NG
WLAN Combo Antenna	MilDef Crete Inc.	G980-000244	AUX ANT 1, PCBA Antenna
		G980-000244	Main ANT 2, PCBA Antenna

3.6. EUT Specifications Assessed in Current Report

2.4GHz		
Mode	Fundamental Range (MHz)	Channel Number
802.11b	2412-2462	11
802.11g		
802.11n-HT20/802.11ax-HE20		
802.11n-HT40/802.11ax-HE40	2422-2452	7
Bluetooth	2402-2480	79
BLE	2402-2480	40

5GHz			
Mode	U-NII Band	Fundamental Range (MHz)	Channel Number
802.11a	1	5180-5240	4
	3	5745-5825	5
802.11n-HT20/ 802.11ac-VHT20/ 802.11ax-HE20	1	5180-5240	4
	3	5745-5825	5
802.11n-HT40/ 802.11ac-VHT40/ 802.11ax-HE40	1	5190-5230	2
	3	5755-5795	2
802.11ax-HE80	1	5210	1
	3	5775	1

Mode	Modulation	Data Rate (Mbps)
802.11b	DSSS (DBPSK/DQPSK/CCK)	Up to 11
802.11g	OFDM (BPSK/QPSK/16QAM/64QAM)	Up to 54
802.11a	OFDM (BPSK/QPSK/16QAM/64QAM)	Up to 54
802.11ac-VHT20	OFDM (BPSK/QPSK/16QAM/64QAM/256QAM)	Up to 173.3
802.11ac-VHT40		Up to 400
802.11ac-VHT80		Up to 866.7
802.11ax-HE20	OFDMA (BPSK/QPSK/16QAM/64QAM/256QAM/1024QAM)	Up to 287
802.11ax-HE40		Up to 574
802.11ax-HE80		Up to 1201
Bluetooth	FHSS (GFSK, $\pi/4$ DQPSK, 8-DPSK)	Up to 3
BLE	GFSK	Up to 1

3.7. Test Environment

Ambient conditions in the laboratory:

Item	Require	Actual
Temperature (°C)	18-25	22 ± 2
Humidity (%RH)	30-70	48 ± 2

3.8. Description of Test Facility

Name of Test Firm	Audix Technology Corporation / EMC Department No. 491, Zhongfu Rd., Linkou Dist., New Taipei City 244, Taiwan Tel: +886-2-26092133 Fax: +886-2-26099303 Website: www.audixtech.com Contact e-mail: attemc_report@audixtech.com
Accreditations	The laboratory is accredited by following organizations under ISO/IEC 17025:2017 (1) NVLAP(USA) NVLAP Lab Code 200077-0 (2) TAF(Taiwan) No. 1724
Test Facilities	FCC OET Designation Number under APEC MRA by NCC is: TW1724 (1) SAR Room

3.9. Measurement Uncertainty

DASY5 Uncertainty According to IEEE 1528-2013 and IEC 62209-1/2016 (0.3 - 6 GHz range)								
Error Description	Uncert. value	Prob. Dist.	Div.	(ci) 1g	(ci) 10g	Std. Unc. (1g)	Std. Unc. (10g)	(vi) v _{eff}
Measurement System								
Probe Calibration	±6.0%	N	1	1	1	±6.0%	±6.0%	∞
Axial Isotropy	±4.7%	R	$\sqrt{3}$	0.7	0.7	±1.9%	±1.9%	∞
Hemispherical Isotropy	±9.6%	R	$\sqrt{3}$	0.7	0.7	±3.9%	±3.9%	∞
Boundary Effects	±1.0%	R	$\sqrt{3}$	1	1	±0.6%	±0.6%	∞
Linearity	±4.7%	R	$\sqrt{3}$	1	1	±2.7%	±2.7%	∞
System Detection Limits	±1.0%	R	$\sqrt{3}$	1	1	±0.6%	±0.6%	∞
Readout Electronics	±0.3%	N	1	1	1	±0.3%	±0.3%	∞
Response Time	±0.8%	R	$\sqrt{3}$	1	1	±0.5%	±0.5%	∞
Integration Time	±2.6%	R	$\sqrt{3}$	1	1	±1.5%	±1.5%	∞
RF Ambient Noise	±3.0%	R	$\sqrt{3}$	1	1	±1.7%	±1.7%	∞
RF Ambient Reflections	±3.0%	R	$\sqrt{3}$	1	1	±1.7%	±1.7%	∞
Probe Positioner	±0.4%	R	$\sqrt{3}$	1	1	±0.2%	±0.2%	∞
Probe Positioning	±2.9%	R	$\sqrt{3}$	1	1	±1.7%	±1.7%	∞
Max. SAR Eval.	±1.0%	R	$\sqrt{3}$	1	1	±0.6%	±0.6%	∞
Test Sample Related								
Device Positioning	±2.9%	N	1	1	1	±2.9%	±2.9%	145
Device Holder	±3.6%	N	1	1	1	±3.6%	±3.6%	5
Power Drift	±5.0%	R	$\sqrt{3}$	1	1	±2.9%	±2.9%	∞
Phantom and Setup								
Phantom Uncertainty	±4.0%	R	$\sqrt{3}$	1	1	±2.3%	±2.3%	∞
Liquid Conductivity (target)	±5.0%	R	$\sqrt{3}$	0.64	0.43	±1.8%	±1.2%	∞
Liquid Conductivity (meas.)	±2.5%	N	1	0.64	0.43	±1.6%	±1.1%	∞
Liquid Permittivity (target)	±5.0%	R	$\sqrt{3}$	0.6	0.49	±1.7%	±1.4%	∞
Liquid Permittivity (meas.)	±2.5%	N	1	0.6	0.49	±1.5%	±1.2%	∞
Combined Std. Uncertainty						±11%	±10.8%	387
Expanded STD Uncertainty						±22%	±21.5%	

DASY5 Uncertainty According to IEC 62209-2/2010 (30 MHz - 6 GHz range)								
Error Description	Uncert. value	Prob. Dist.	Div.	(ci) 1g	(ci) 10g	Std. Unc. (1g)	Std. Unc. (10g)	(vi) v _{eff}
Measurement System								
Probe Calibration	±6.0%	N	1	1	1	±6.0%	±6.0%	∞
Axial Isotropy	±4.7%	R	√3	0.7	0.7	±1.9%	±1.9%	∞
Hemispherical Isotropy	±9.6%	R	√3	0.7	0.7	±3.9%	±3.9%	∞
Boundary Effects	±1.0%	R	√3	1	1	±0.6%	±0.6%	∞
Linearity	±4.7%	R	√3	1	1	±2.7%	±2.7%	∞
System Detection Limits	±1.0%	R	√3	1	1	±0.6%	±0.6%	∞
Readout Electronic	±0.3%	N	1	1	1	±0.3%	±0.3%	∞
Response Time	±0.8%	R	√3	1	1	±0.5%	±0.5%	∞
Integration Time	±2.6%	R	√3	1	1	±1.5%	±1.5%	∞
RF Ambient Noise	±3.0%	R	√3	1	1	±1.7%	±1.7%	∞
RF Ambient Reflections	±3.0%	R	√3	1	1	±1.7%	±1.7%	∞
Probe Positioner	±0.4%	R	√3	1	1	±0.2%	±0.2%	∞
Probe Positioning	±2.9%	R	√3	1	1	±1.7%	±1.7%	∞
Modulation Response	±2.5%	R	√3	1	1	±1.45 %	±1.45 %	∞
Post-processing	±3.8%	R	√3	1	1	±2.2%	±2.2%	∞
Test Sample Related								
Test Sample Positioning	±2.9%	N	1	1	1	±2.9%	±2.9%	145
Device Holder	±3.6%	N	1	1	1	±3.6%	±3.6%	5
Power Drift	±5.0%	R	√3	1	1	±2.9%	±2.9%	∞
Power Scaling	±0.0%	R	√3	1	1	±0.0%	±0.0%	∞
Phantom and Setup								
Phantom Uncertainty	±4.5%	R	√3	1	1	±2.4%	±2.4%	∞
SAR correction	±1.9%	R	√3	1	0.84	±1.9%	±1.9%	∞
Liquid Conductivity (target)	±5.0%	R	√3	0.64	0.43	±1.8%	±1.2%	∞
Liquid Conductivity (mea.)DAK	±2.5%	R	√3	0.64	0.43	±0.9%	±0.6%	∞
Liquid Permittivity (target)	±5.0%	R	√3	0.6	0.49	±1.7%	±1.4%	∞
Liquid Permittivity(me.)DAK	±2.5%	R	√3	0.6	0.49	±0.9%	±0.7%	∞
Combined Std. Uncertainty						±11.0%	±10.9%	387
Expanded STD Uncertainty						±22.1%	±21.8%	

4. MEASUREMENT EQUIPMENT LIST

Item	Type	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Interval
1.	Stäubli Robot TX90 XL	Stäubli	TX90	F12/5K9SA1/A101	N.C.R.	N.C.R.
2.	Controller	SPEAG	CS8c	N/A	N.C.R.	N.C.R.
3.	SAM Twin Phantom	SPEAG	N/A	1706	N.C.R.	N.C.R.
4.	ELI V5.0 Phantom	SPEAG	N/A	1170	N.C.R.	N.C.R.
5.	Device Holder	SPEAG	N/A	N/A	N.C.R.	N.C.R.
6.	Data Acquisition Electronic	SPEAG	DAE4	1337	2026.03.12	1 Year
7.	E-Field Probe	SPEAG	EX3DV4	3855	2025.09.25	1 Year
8.	ENA Network Analyzer	Agilent	E5071C-480	MY46214331	2025.09.17	1 Year
9.	Signal Generator	Agilent	N5182B	MY53050409	2025.12.11	1 Year
10.	Power Meter	Agilent	ML2487A	MY52180007	2025.09.25	1 Year
11.	Power Sensor	Agilent	N8481	MY52080006	2025.09.25	1 Year
12.	Dipole Antenna	SPEAG	D2450V2	888	2024.09.13	3 Years
13.	Dipole Antenna	SPEAG	D5GHzV2	1124	2024.09.17	3 Years
14.	Test Software	Speag	DASY52 52.10.4	N/A	N.C.R.	N.C.R.

5. SAR MEASUREMENT SYSTEM

5.1. Definition of Specific Absorption Rate (SAR)

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

The SAR definition is the time derivative (rate) of the incremental energy (dW) absorbed by (dissipated in) an incremental mass (dm) contained in a volume element (dv) of a given density (ρ). The equation description is as below:

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

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

SAR measurement can be related to the electrical field in the tissue by

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

Where: σ is the conductivity of the tissue, ρ is the mass density of the tissue and E is the RMS electrical field strength.

5.2. SPEAG DASY System

DASY system consists of high precision robot, probe alignment sensor, phantom, robot controller, controlled measurement server and near-field probe. The robot includes six axes that can move to the precision position of the DASY5 software defined. The DASY software can define the area that is detected by the probe. The robot is connected to controlled box. Controlled measurement server is connected to the controlled robot box. The DAE includes amplifier, signal multiplexing, AD converter, offset measurement and surface detection. It is connected to the Electro-optical coupler (ECO). The ECO performs the conversion from the optical into digital electric signal of the DAE and transfers data to the PC.

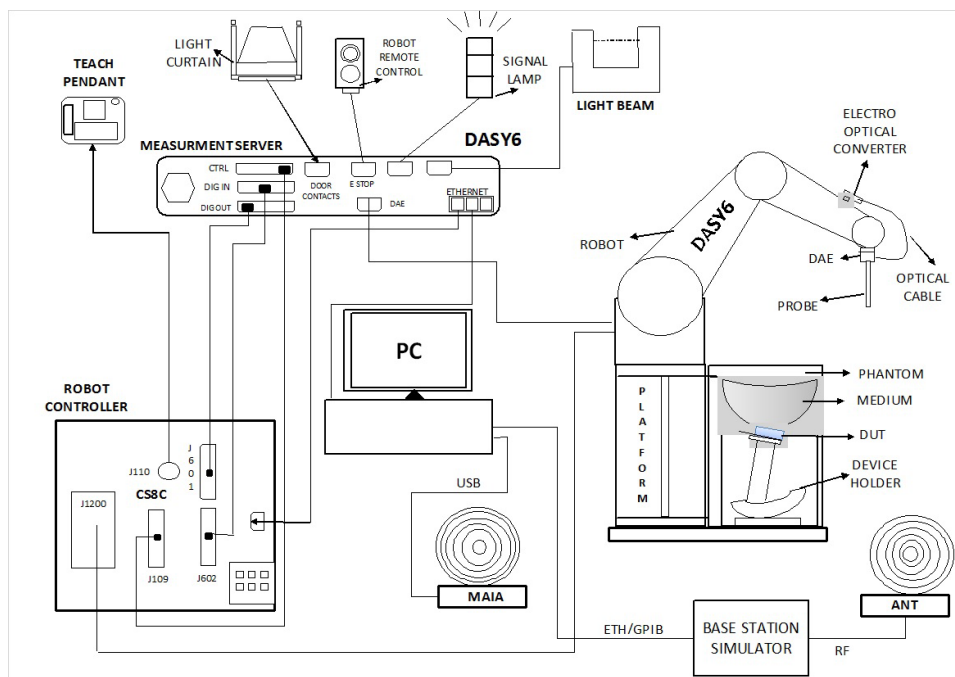


Fig-3.1 DASY6 System Setup

5.2.1. Robot

The DASY6 system uses the high precision robots from Stäubli SA (France). For the 6-axis controller system, the robot controller version (DASY5: CS8c) from Stäubli is used. The Stäubli robot series have many features that are important for our application:

- High precision (repeatability ± 0.035 mm)
- High reliability (industrial design)
- Jerk-free straight movements
- Low ELF interference (the closed metallic construction shields against motor control fields)



5.2.2. Probes

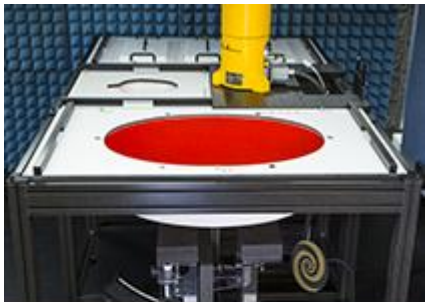
Model	EX3DV4	
Construction	Symmetrical design with triangular core Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., DGBE)	
Frequency	10 MHz to 6 GHz Linearity: ± 0.2 dB	
Directivity	± 0.3 dB in HSL (rotation around probe axis) ± 0.5 dB in tissue material (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	

5.2.3. Data Acquisition Electronics (DAE)

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

5.2.4. Phantom

Model	Twin SAM	 
Construction	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.	
Material	Vinylester, glass fiber reinforced (VE-GF)	
Shell Thickness	2 ± 0.2 mm (6 ± 0.2 mm at ear point)	
Dimensions	Length: 1000 mm Width: 500 mm Height: adjustable feet	
Filling Volume	approx. 25 liters	

Model	ELI	 
Construction	Phantom for compliance testing of handheld and body-mounted wireless devices in the frequency range of 30 MHz to 6 GHz. ELI is fully compatible with the IEC 62209-2 standard and all known tissue simulating liquids. ELI has been optimized regarding its performance and can be integrated into our standard phantom tables. A cover prevents evaporation of the liquid. Reference markings on the phantom allow installation of the complete setup, including all predefined phantom positions and measurement grids, by teaching three points. The phantom is compatible with all SPEAG dosimetric probes and dipoles.	
Material	Vinylester, glass fiber reinforced (VE-GF)	
Shell Thickness	2.0 ± 0.2 mm (bottom plate)	
Dimensions	Major axis: 600 mm Minor axis: 400 mm	
Filling Volume	approx. 30 liters	

5.2.5. Device Holder

Model	Mounting Device	
Construction	In combination with the Twin SAM Phantom or ELI4, the Mounting Device enables the rotation of the mounted transmitter device in spherical coordinates. Rotation point is the ear opening point. Transmitter devices can be easily and accurately positioned according to IEC, IEEE, FCC or other specifications. The device holder can be locked for positioning at different phantom sections (left head, right head, flat).	
Material	POM	

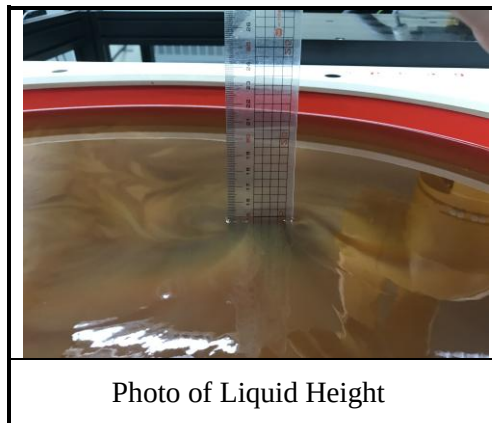
Model	EUT Extensions Kit	
Construction	Simple but effective and easy-to-use extension for Mounting Device that facilitates the testing of larger devices according to IEC 62209-2 (e.g., laptops, cameras, etc.). It is lightweight and fits easily on the upper part of the Mounting Device in place of the phone positioner.	
Material	POM, Acrylic glass, Foam	

5.2.6. Reference Dipole

Model	System Validation Dipoles	
Construction	Symmetrical dipole with 1/4 balun. Enables measurement of feed point impedance with NWA. Matched for use near flat phantoms filled with tissue simulating solutions.	
Frequency	750 MHz to 5800 MHz	
Return Loss	> 20 dB	
Power Capability	> 100 W (f < 1GHz), > 40 W (f > 1GHz)	

5.2.7. Tissue Simulating Liquids

For SAR measurement of the field distribution inside the phantom, the phantom must be filled with homogeneous tissue simulating liquid to a depth of at least 15 cm. For head SAR testing, the liquid height from the ear reference point (ERP) of the phantom to the liquid top surface is larger than 15 cm. For body SAR testing, the liquid height from the center of the flat phantom to the liquid top surface is larger than 15 cm. The nominal dielectric values of the tissue simulating liquids in the phantom and the tolerance of 5% are listed in Table-5.1.



The dielectric properties of the head tissue simulating liquids are defined in IEEE 1528 and FCC OET 65 Supplement C Appendix C. For the body tissue simulating liquids, the dielectric properties are defined in FCC OET 65 Supplement C Appendix C. The dielectric properties of the tissue simulating liquids were verified prior to the SAR evaluation using an Agilent 85070D Dielectric Probe Kit and an Agilent Network Analyzer.

Table-5.1 Targets of Tissue Simulating Liquid

Target Frequency [MHz]	Target Permittivity (ϵ_r)	Range of $\pm 5\%$	Target Conductivity σ [s/m]	Range of $\pm 5\%$
750	41.9	39.805 ~ 43.995	0.89	0.846 ~ 0.935
835	41.5	39.425 ~ 43.575	0.90	0.855 ~ 0.945
900	41.5	39.425 ~ 43.575	0.97	0.922 ~ 1.019
1450	40.5	38.475 ~ 42.525	1.20	1.140 ~ 1.260
1640	40.3	38.285 ~ 42.315	1.29	1.226 ~ 1.355
1750	40.1	38.095 ~ 42.105	1.37	1.302 ~ 1.439
1800	40.0	38.000 ~ 42.000	1.40	1.330 ~ 1.470
1900	40.0	38.000 ~ 42.000	1.40	1.330 ~ 1.470
2000	40.0	38.000 ~ 42.000	1.40	1.330 ~ 1.470
2300	39.5	37.525 ~ 41.475	1.67	1.587 ~ 1.754
2450	39.2	37.240 ~ 41.160	1.80	1.710 ~ 1.890
2600	39.0	37.050 ~ 40.950	1.96	1.862 ~ 2.058
3500	37.9	36.005 ~ 39.795	2.91	2.765 ~ 3.056
5200	36.0	34.200 ~ 37.800	4.66	4.427 ~ 4.893
5300	35.9	34.105 ~ 37.695	4.76	4.522 ~ 4.998
5500	35.6	33.820 ~ 37.380	4.96	4.712 ~ 5.208
5600	35.5	33.725 ~ 37.275	5.07	4.817 ~ 5.324
5800	35.3	33.535 ~ 37.065	5.27	5.007 ~ 5.534
6000	35.1	33.345 ~ 36.855	5.48	5.206 ~ 5.754
6500	34.5	32.775 ~ 36.225	6.07	5.767 ~ 6.374
7000	33.9	32.205 ~ 35.595	6.65	6.318 ~ 6.983

Table-5.2-1 Recipes of Tissue Simulating Liquid, 30MHz to 900MHz

Frequency (MHz)	30	50		144		450		835	900	
Recipe source number	3	3	2	2	3	2	4	2	2	4
Ingredients (% by weight)										
De-ionized water	48,30	48,30	53,53	55,12	48,30	48,53	56	50,36	50,31	56
Tween 20			44,70	43,31		49,51		48,39	48,34	
Oxidized mineral oil							44			44
Diethyleneglycol monohexylether										
Triton X-100										
Diacetin	50,00	50,00			50,00					
DGBE										
NaCl	1,60	1,60	1,77	1,57	1,60	1,96		1,25	1,35	
Additives and salt	0,10	0,10			0,10					
Measured temperature dependence										
Temp. (°C)			21	21		21	20	21	21	20
$\epsilon_{\text{liquid temp. unc.}}$ (%)	0,8	0,1			0,1	0,1		0,04	0,04	
$\sigma_{\text{liquid temp. unc.}}$ (%)	2,8	2,8			2,6	4,2		1,6	1,6	

Table-5.2-2 Recipes of Tissue Simulating Liquid, 1800MHz to 10000MHz

Frequency (MHz)	1 800		2 450	4 000	5 000	5 200	5 800	6 000	8 000	10 000
Recipe source number	2	4	4	4	4	1	1	4	5	5
Ingredients (% by weight)										
De-ionized water	54,23	56	56	56	56	65,53	65,53	56	67,8	66,0
Tween	45,27								31,1	33,0
Oxidized mineral oil		44	44	44	44			44		
Diethyleneglycol monohexylether						17,24	17,24			
Triton X-100						17,24	17,24			
Diacetin										
DGBE										
NaCl	0,50									
Additives and salt										
Measured temperature dependence										
Temp. (°C)	21	20	20	20	20	22	22	20	20	20
$\epsilon_{\text{liquid temp. unc.}}$ (%)	0,4					1,7	1,8			
$\sigma_{\text{liquid temp. unc.}}$ (%)	2,3					2,7	2,6			

NOTE 1 Multiple columns under a single frequency indicate optional recipes.

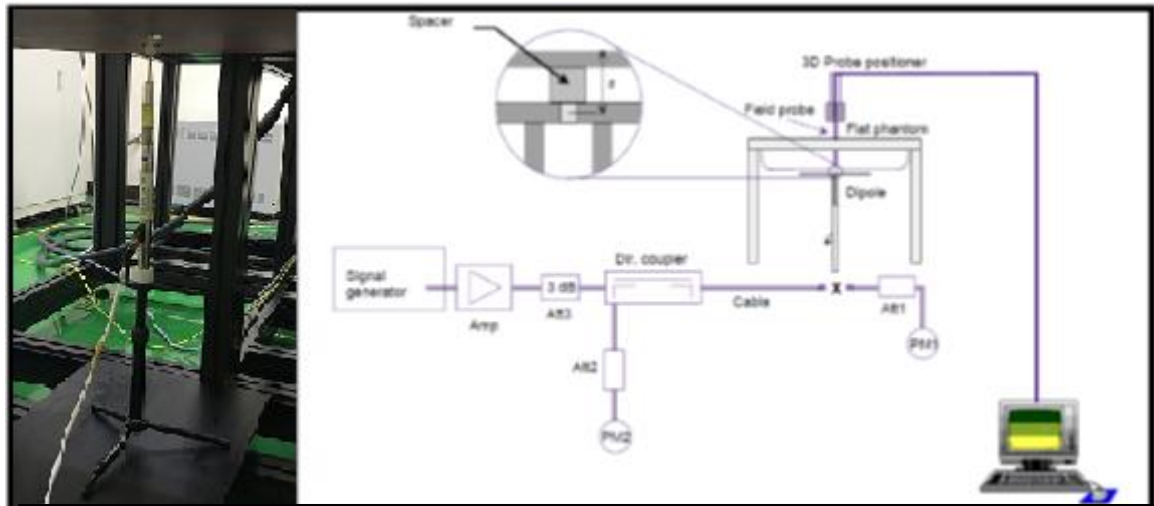
NOTE 2 Recipe source numbers: 1 verified by different labs, 2 Reference [59], 3 developed by IT'IS Foundation, 4 developed by IT'IS Foundation, 5 Reference [60].

NOTE 3 The values of $\epsilon_{\text{liquid temp. unc.}}$ and $\sigma_{\text{liquid temp. unc.}}$ are liquid temperature uncertainties described in O.9.6, based on measurements of the applicable liquid recipes given above. These are not part of the original publications but have been subsequently developed by the project team.

NOTE 4 The recipes at 8 000 MHz and 10 000 MHz are sufficiently broadband that they cover the frequency range of 6 000 MHz to 10 000 MHz within a tolerance of ± 10 % for permittivity and conductivity.

5.3. SAR System Verification

The system check verifies that the system operates within its specifications. It is performed daily or before every SAR measurement. The system check uses normal SAR measurements in the flat section of the phantom with a matched dipole at a specified distance. The system verification setup is shown as below.



The validation dipole is placed beneath the flat phantom with the specific spacer in place. The distance spacer is touch the phantom surface with a light pressure at the reference marking and be oriented parallel to the long side of the phantom. The power meter PM1 measures the forward power at the location of the system check dipole connector. The signal generator is adjusted for the desired forward power (250 mW is used for 700 MHz to 3 GHz, 100 mW is used for 3.5 GHz to 6 GHz) at the dipole connector and the power meter PM2 is read at that level. After connecting the cable to the dipole, the signal generator is readjusted for the same reading at power meter PM2.

After system check testing, the SAR result will be normalized to 1W forward input power and compared with the reference SAR value derived from validation dipole certificate report. The deviation of system check should be within 10 %.

5.3.1. SAR System Verification Result

Dipole Kit: D2450V2						
Test Date: 2026. 05. 27				Liquid Temp. [°C]: 21.0		
Frequency [MHz]	1g SAR			10g SAR		
2450MHz	Zoom Scan to 250mW	Normalize to 1W	Target Value Reference result $\pm 10\%$ window	Zoom Scan to 250mW	Normalize to 1W	Target Value Reference result $\pm 10\%$ window
	12.9	51.60	51.8 46.62 to 56.98	6.1	24.40	24.2 21.78 to 26.62

Dipole Kit: D5GHzV2						
Test Date: 2026. 05. 28				Liquid Temp. [°C]: 21.0		
Frequency [MHz]	1g SAR			10g SAR		
5200MHz	Zoom Scan to 100mW	Normalize to 1W	Target Value Reference result $\pm 10\%$ window	Zoom Scan to 100mW	Normalize to 1W	Target Value Reference result $\pm 10\%$ window
	8.22	82.20	82.7 74.43 to 90.97	2.34	23.40	23.6 21.24 to 25.96

Dipole Kit: D5GHzV2						
Test Date: 2026. 05. 29				Liquid Temp. [°C]: 21.0		
Frequency [MHz]	1g SAR			10g SAR		
5800MHz	Zoom Scan to 100mW	Normalize to 1W	Target Value Reference result $\pm 10\%$ window	Zoom Scan to 100mW	Normalize to 1W	Target Value Reference result $\pm 10\%$ window
	8.01	80.10	78.0 70.20 to 85.80	2.32	23.20	22.60 20.34 to 24.86

5.3.2. SAR System Check Data

Date: 5/27/2026

Test Laboratory: Audix_SAR Lab

System Check_H2450

DUT: D2450V2 - SN888

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

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.765$ S/m; $\epsilon_r = 39.971$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(6.56, 7.07, 7.4) @ 2450 MHz; Calibrated: 9/25/2025
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1337; Calibrated: 3/12/2026
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1170
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

P=250mW/Area Scan (9x9x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 19.7 W/kg

P=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 94.28 V/m; Power Drift = 0.04 dB

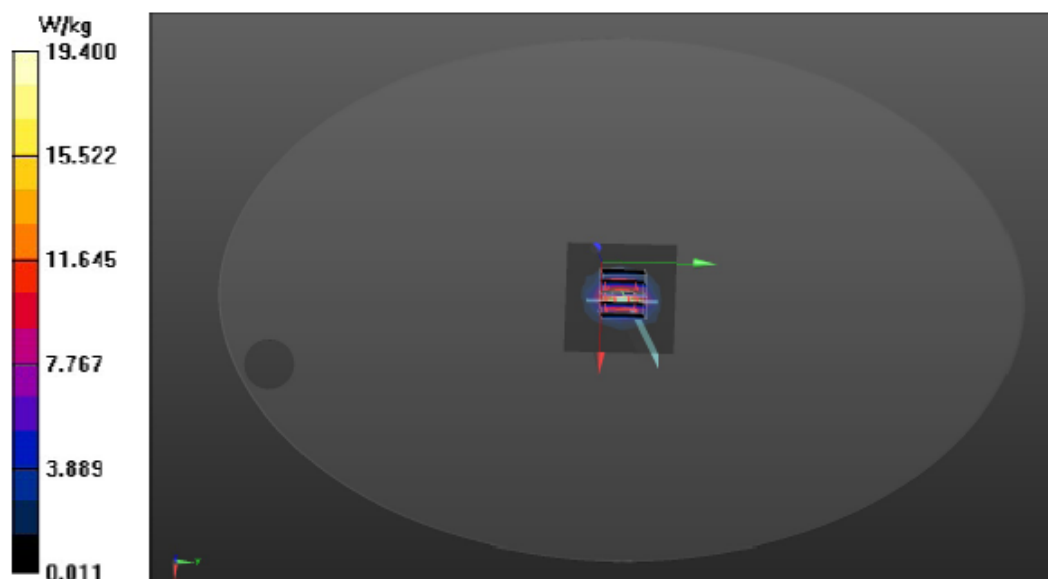
Peak SAR (extrapolated) = 24.5 W/kg

SAR(1 g) = 12.9 W/kg; SAR(10 g) = 6.1 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 54.6%

Maximum value of SAR (measured) = 19.4 W/kg



Date: 5/28/2026

Test Laboratory: Audix_SAR Lab

System Check_H5200**DUT: D5GHzV2 - SN1124**

Communication System: UID 0, CW (0); Frequency: 5200 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5200$ MHz; $\sigma = 4.673$ S/m; $\epsilon_r = 36.999$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(5.16, 5.56, 5.82) @ 5200 MHz; Calibrated: 9/25/2025
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1337; Calibrated: 3/12/2026
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1170
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

P=100mW/Area Scan (9x9x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 17.1 W/kg

P=100mW/Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 44.87 V/m; Power Drift = -0.02 dB

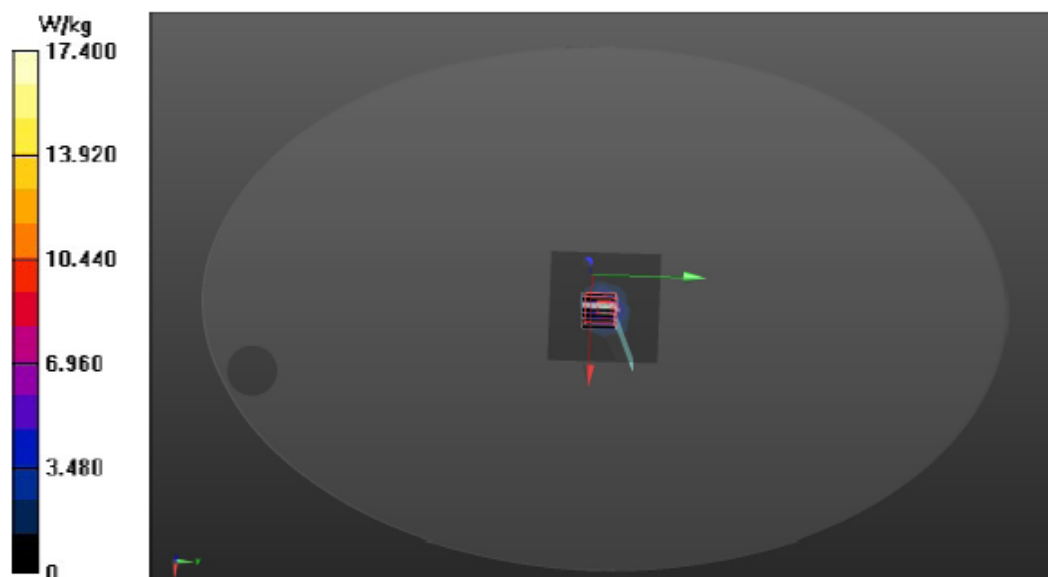
Peak SAR (extrapolated) = 35.2 W/kg

SAR(1 g) = 8.22 W/kg; SAR(10 g) = 2.34 W/kg

Smallest distance from peaks to all points 3 dB below = 7.9 mm

Ratio of SAR at M2 to SAR at M1 = 57.5%

Maximum value of SAR (measured) = 17.4 W/kg



Date: 5/29/2026

Test Laboratory: Audix_SAR Lab

System Check_H5800**DUT: D5GHzV2 - SN1124**

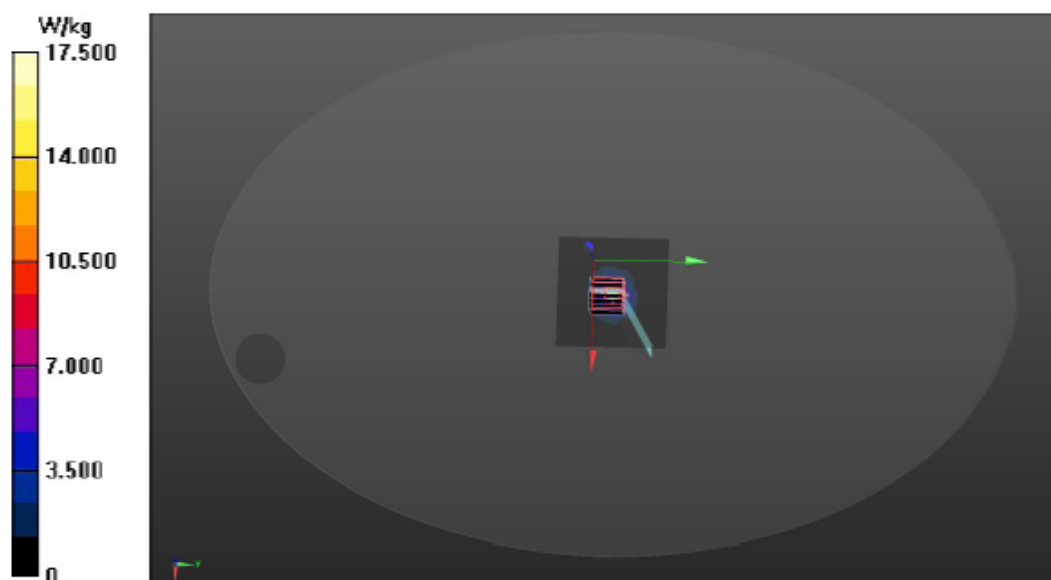
Communication System: UID 0, CW (0); Frequency: 5800 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5800$ MHz; $\sigma = 5.405$ S/m; $\epsilon_r = 35.684$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(4.53, 4.88, 5.11) @ 5800 MHz; Calibrated: 9/25/2025
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1337; Calibrated: 3/12/2026
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1170
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

P=100mW/Area Scan (9x9x1): Measurement grid: $dx=10$ mm, $dy=10$ mm
Maximum value of SAR (measured) = 17.7 W/kg

P=100mW/Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm
Reference Value = 45.28 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 41.6 W/kg
SAR(1 g) = 8.01 W/kg; SAR(10 g) = 2.32 W/kg
Smallest distance from peaks to all points 3 dB below = 7.1 mm
Ratio of SAR at M2 to SAR at M1 = 49.8%
Maximum value of SAR (measured) = 17.5 W/kg



5.4. SAR Measurement Procedure

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

- (a) Power reference measurement
- (b) Area scan
- (c) Zoom scan
- (d) Power drift measurement

The SAR measurement procedures for each of test conditions are as follows:

- (a) Make EUT to transmit maximum output power
- (b) Measure conducted output power through RF cable
- (c) Place the EUT in the specific position of phantom
- (d) Perform SAR testing steps on the DASY system
- (e) Record the SAR value

5.4.1. Area & Zoom Scan Procedure

According to IEC/IEEE 62209-1528, the resolution for Area and Zoom scan is specified in the table below.

Items	≤2 GHz	2-3 GHz	3-4 GHz	4-5 GHz	5-6 GHz
Area Scan (Δx , Δy)	≤15mm	≤12mm	≤12mm	≤10mm	≤10mm
Zoom Scan (Δx , Δy)	≤8mm	≤5mm	≤5mm	≤4mm	≤4mm
Zoom Scan (Δz)	≤5mm	≤5mm	≤4mm	≤3mm	≤2mm
Zoom Scan Volume	≥30mm	≥30mm	≥28mm	≥25mm	≥22mm

Note:

When zoom scan is required and report SAR is ≤ 1.4 W/kg, the zoom scan resolution of $\Delta x / \Delta y$ (2-3GHz: ≤ 8 mm, 3-4GHz: ≤ 7 mm, 4-6GHz: ≤ 5 mm) may be applied.

According to IEC/IEEE 62209-1528, if the zoom scan measured as specified in the preceding paragraphs complies with both of the following items, or if the peak spatial-average SAR is below 0.1 W/kg, no additional measurements are needed:

- (1) The smallest horizontal distance from the local SAR peaks to all points 3 dB below the SAR peak shall be larger than the horizontal grid steps in both x and y directions (Δx , Δy). This shall be checked for the measured zoom scan plane conformal to the phantom at the distance z_{M1} .
- (2) The ratio of the SAR at the second measured point (M2) to the SAR at the closest measured point (M1) at the x, y location of the measured maximum SAR value shall be at least 30%.

5.4.2. Volume Scan Procedure

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

5.4.3. Power Drift Monitoring

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

5.4.4. Spatial Peak SAR Evaluation

The procedure for spatial peak SAR evaluation has been implemented according to the test standard. It can be conducted for 1g and 10g, as well as for user-specific masses. The DASY software includes all numerical procedures necessary to evaluate the spatial peak SAR value.

The base for the evaluation is a "cube" measurement. The measured volume must include the 1g and 10g cubes with the highest averaged SAR values. For that purpose, the center of the measured volume is aligned to the interpolated peak SAR value of a previously performed area scan.

The entire evaluation of the spatial peak values is performed within the post-processing engine (SEMCAD). The system always gives the maximum values for the 1g and 10g cubes. The algorithm to find the cube with highest averaged SAR is divided into the following stages:

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

5.4.5. SAR Averaged Methods

In DASY, the interpolation and extrapolation are both based on the modified Quadratic Shepard's method. The interpolation scheme combines a least-square fitted function method and a weighted average method which are the two basic types of computational interpolation and approximation.

Extrapolation routines are used to obtain SAR values between the lowest measurement points and the inner phantom surface. The extrapolation distance is determined by the surface detection distance and the probe sensor offset. The uncertainty increases with the extrapolation distance. To keep the uncertainty within 1% for the 1 g and 10 g cubes, the extrapolation distance should not be larger than 5 mm.

6. SAR MEASUREMENT EVALUATION

6.1. Test Configuration and EUT setting

The standalone SAR test exclusion shall be refer to FCC § 1.1307 (b)(3)(i)(B) SAR-Based exemption which device determined the distance from antenna to user/bystander. The formula is

$$\begin{aligned} P_{th} \text{ (mW)} &= ERP_{20cm} (d / 20)^x && \text{for distance } d \leq 20\text{cm} \\ P_{th} \text{ (mW)} &= ERP_{20cm} && \text{for distance } 20\text{cm} < d \leq 40\text{cm} \\ x &= -\log_{10} \left(\frac{60}{ERP_{20cm} \sqrt{f}} \right) \\ ERP_{20cm} \text{ (mW)} & \quad \begin{aligned} &0.3 \text{ GHz} \leq f < 1.5 \text{ GHz: } 2040f \\ &1.5 \text{ GHz} \leq f \leq 6 \text{ GHz: } 3060 \end{aligned} \end{aligned}$$

F = GHz

P_{th} (mW) = available maximum time-average power or effective radiated power, whichever is greater.

D = the separation distance (cm)

From KDB 616217 D04 section 4.2 to 4.3, The SAR exclusion threshold can be applied to KDB 447498 to determine if SAR necessary test.

Test program “DRTU Version: DRTU.08662.23.150.0” is used for enabling EUT BT or WLAN function under continues transmitting and choosing data rate/ channel and supported stable power rating.

6.2. EUT Testing Position

SAR-Based exemption table

Centre Frequency (MHz)	5	10	15	20	25	Distance(mm)
2450	3.000	10.000	22.000	38.000	59.000	Power(mW)
5200	2.000	6.000	15.000	26.000	42.000	
5500	1.000	6.000	14.000	26.000	41.000	
5800	1.000	6.000	14.000	25.000	40.000	
	30	35	40	45	50	Distance(mm)
2450	83.000	111.000	143.000	179.000	219.000	Power(mW)
5200	61.000	84.000	110.000	110.000	110.000	
5500	59.000	82.000	108.000	108.000	108.000	
5800	58.000	80.000	106.000	106.000	106.000	
	7	10	15	20	25	Distance(cm)
2450	415.000	819.000	1770.000	3060.000	3060.000	Power(mW)
5200	350.000	731.000	1689.000	3060.000	3060.000	
5500	345.000	725.000	1683.000	3060.000	3060.000	
5800	341.000	719.000	1678.000	3060.000	3060.000	
	30	33	35	37	40	Distance(cm)
2450	3060.000	3060.000	3060.000	3060.000	3060.000	Power(mW)
5200	3060.000	3060.000	3060.000	3060.000	3060.000	
5500	3060.000	3060.000	3060.000	3060.000	3060.000	
5800	3060.000	3060.000	3060.000	3060.000	3060.000	

The SAR testing required mode is listed as below.

● AUX ANT 1

Antenna	Front Side	Top Side	Bottom Side	Left Side	Right Side	Back Side
WLAN	√		√		√	√

According to SAR-Based exemption table, the EUT only need evaluate Front Side, Bottom Side, Right Side and Back Side.

● Main ANT 2

Antenna	Front Side	Top Side	Bottom Side	Left Side	Right Side	Back Side
WLAN	√	√			√	√

According to SAR-Based exemption table, the EUT only need evaluate Front Side, Top Side, Right Side and Back Side.

Note: Other SAR-based exemption side of minimum distance is 131.95cm for both Antenna.

6.3. Tissue Calibration Result

The dielectric parameters of the liquids were verified prior to the SAR evaluation using Agilent Dielectric Probe Kit and Agilent E5071C Vector Network Analyzer.

Body Tissue Simulate Measurement								
Frequency [MHz]	Description	Dielectric Parameters						Liquid Temp. [°C]
		σ [s/m]			ϵ_r			
2450MHz	Reference result	1.8			39.2			N/A
	± 5% window	1.710	to	1.890	37.240	to	41.160	
	2026. 05. 26	1.765			39.971			21.0

Body Tissue Simulate Measurement								
Frequency [MHz]	Description	Dielectric Parameters						Liquid Temp. [°C]
		σ[s/m]			ε _r			
5200MHz	Reference result	4.76			35.9			N/A
	± 5% window	4.522	to	4.998	34.105	to	37.695	
	2026. 05. 28	4.673			36.999			21.0

Body Tissue Simulate Measurement								
Frequency [MHz]	Description	Dielectric Parameters						Liquid Temp. [°C]
		σ [s/m]			ϵ_r			
5800MHz	Reference result ± 5% window	5.27			35.3			N/A
		5.007	to	5.534	33.535	to	37.065	
	2026. 05. 29	5.405			35.684			21.0

6.4. SAR Exposure Limits

SAR assessments have been made in line with the requirements of IEEE-1528, FCC Supplement C, and comply with ANSI/IEEE C95.1-1992 “Uncontrolled Environments” limits. These limits apply to a location which is deemed as “Uncontrolled Environment” which can be described as a situation where the general public may be exposed to an RF source with no prior knowledge or control over their exposure.

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

Type Exposure	Uncontrolled Environment Limit
Spatial Peak SAR (1g cube tissue for brain or body)	1.60 W/kg
Spatial Average SAR (whole body)	0.08 W/kg
Spatial Peak SAR (10g for hands, feet, ankles and wrist) ^{Note}	4.00 W/kg
Note: Exceptions are the parts of the human body treated as extremities, such as hands, wrists, feet, ankles, and pinnae, where the peak spatial-average SAR limit is 4 W/kg, averaged over any 10 grams of tissue (defined as a tissue volume in the shape of a cube)	

6.5. Conducted Power Measurement

Note:

1. Per KDB 447498 D01 the reported SAR is the measured SAR value adjusted for maximum tune-up tolerance.
Scale Factor = tune-up limit power (mW)/EUT Conducted power (mW), where tune-up limit is the maximum rated power among all production units.
Scale SAR(W/kg)= Measured SAR(W/kg)* Scaling Factor
2. Per KDB 447498 D01 for each exposure position, if the highest output channel reported SAR ≤ 0.8 W/kg, other channels SAR testing is not necessary.
3. Per KDB 248227 D01, for OFDM transmission configuration in the 2.4G and 5G bands. An initial test configuration is determined by the highest maximum output power including tune-up tolerance. When multiple transmission modes(802.11a/g/n/ac/ax) have same maximum power, largest channel bandwidth , lowest order modulation and lowest data rate, lowest order 802.11 mode is selected.(i.e. a, g, n, ac then ax)
4. Per KDB 248227 D01, 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.
5. Per KDB 248227 D01,U-NII-1 and U-NII-2A bands have the same specified maximum output and tolerance; SAR is measured for U-NII-2A band first. Adjusted SAR of U-NII-2A band is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band. 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.
6. Per KDB 248227 D01, 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.
7. Pursuant section 2.8.1(2) KDB 865664 D01, when the original highest measured SAR is ≥ 0.80 W/kg, repeat that measurement once.
8. Pursuant section 2.8.1(3) KDB 865664 D01, perform a second repeated measurement only if the ratio of largest to smallest SAR for the original and first repeated measurements is > 1.20 or when the original or repeated measurement is ≥ 1.45 W/kg (~ 10% from the 1-g SAR limit)
9. The simultaneous transmission SAR test exclusion is evaluated according to KDB 447498 D04 v01, Section E.1 (Estimated SAR) and Section E.2 (Using Standalone SAR Values). For antennas that qualify for standalone test exclusion, an estimated SAR value is calculated and summed with the reported SAR of other antenna to determine the aggregate SAR

6.5.1. For WLAN Function

Type of Network	Frequency (MHz)	Average Output Power (dBm)						SAR Test
		AUX ANT 1			Main ANT 2			
		Average Power	Tune-Up Limit	Scale Factor	Average Power	Tune-Up Limit	Scale Factor	
802.11b	2412	15.94	16.5	---	15.85	16.5	---	No ^{NOTE2}
	2437	15.79	16.5	1.177	15.94	16.5	1.137	Yes
	2472	15.77	16.5	---	15.88	16.5	---	No ^{NOTE2}
802.11g	2412	15.22	16.0	---	14.76	15.5	---	No ^{NOTE6}
	2437	14.56	15.5	---	15.48	16.0	---	
	2472	14.32	15.0	---	13.38	14.0	---	

Type of Network	Frequency (MHz)	RU Configuration	Average Output Power (dBm)						SAR Test		
			AUX ANT 1			Main ANT 2					
			Average Power	Tune-Up Limit	Scale Factor	Average Power	Tune-Up Limit	Scale Factor			
802.11ax-HE20	2412	26RU1	14.67	15.5	---	15.02	16.0	---	No ^{NOTE4,3}		
		26RU9	15.31	16.0	---	15.32	16.0	---			
		52RU1	15.19	16.0	---	15.60	16.5	---			
		52RU4	15.71	16.5	---	15.73	16.5	---			
		106RU1	15.45	16.0	---	15.74	16.5	---			
		106RU2	15.90	16.5	---	16.11	17.0	---			
		242RU1	13.77	14.5	---	14.02	15.0	---			
	2437	26RU1	14.89	15.5	---	15.17	16.0	---			
		26RU9	16.05	17.0	---	15.29	16.0	---			
		52RU1	15.93	16.5	---	15.58	16.5	---			
		52RU4	16.14	17.0	---	15.63	16.5	---			
		106RU1	15.97	16.5	---	15.65	16.5	---			
		106RU2	16.17	17.0	---	15.88	16.5	---			
		242RU1	16.01	17.0	---	16.12	17.0	---			
	2462	26RU1	15.59	16.5	---	15.88	16.5	---			
		26RU9	14.10	15.0	---	14.38	15.0	---			
		52RU1	15.62	16.5	---	15.42	16.0	---			
		52RU4	15.17	16.0	---	15.12	16.0	---			
		106RU1	12.97	13.5	---	13.05	14.0	---			
		106RU2	15.95	16.5	---	15.88	16.5	---			
		242RU1	12.82	13.5	---	12.85	13.5	---			
	802.11ax-HE40	2422	26RU1	15.07	16.0	---	15.27	16.0		---	No ^{NOTE4,3}
			26RU18	15.66	16.5	---	16.05	17.0		---	
			52RU1	15.47	16.0	---	15.73	16.5		---	
52RU8			15.94	16.5	---	16.30	17.0	---			
106RU1			15.65	16.5	---	15.92	16.5	---			
106RU4			16.09	17.0	1.233	16.43	17.0	1.14	Yes		
242RU1			10.10	11.0	---	10.43	11.0	---			
242RU2			13.71	14.5	---	14.07	15.0	---			
484RU1		12.33	13.0	---	12.57	13.5	---				
2437		26RU1	15.66	16.5	---	14.86	15.5	---			
		26RU18	16.24	17.0	---	15.71	16.5	---			
		52RU1	16.12	17.0	---	15.86	16.5	---			
		52RU8	16.00	17.0	---	15.85	16.5	---			
		106RU1	16.05	17.0	---	15.72	16.5	---			
		106RU4	16.03	17.0	---	15.80	16.5	---			
		242RU1	15.46	16.0	---	15.63	16.5	---			
		242RU2	12.97	13.5	---	13.29	14.0	---			
484RU1		14.06	15.0	---	14.32	15.0	---				
2452		26RU1	15.21	16.0	---	15.48	16.0	---			
		26RU18	14.51	15.5	---	14.78	15.5	---			
		52RU1	15.94	16.5	---	16.19	17.0	---			
		52RU8	15.43	16.0	---	15.71	16.5	---			
		106RU1	16.08	17.0	---	16.37	17.0	---			
		106RU4	16.07	17.0	---	16.33	17.0	---			
	242RU1	13.81	14.5	---	14.06	15.0	---				
	242RU2	13.01	14.0	---	13.35	14.0	---				
484RU1	11.98	12.5	---	12.32	13.0	---					

Type of Network	Frequency (MHz)	Average Output Power (dBm)						SAR Test
		AUX ANT 1			Main ANT 2			
		Average Power	Tune-Up Limit	Scale Factor	Average Power	Tune-Up Limit	Scale Factor	
802.11a	5180	3.71	4.5	---	4.04	5	---	No ^{NOTE3,5}
	5220	4.13	5	0.916	4.37	5	1.156	Yes
	5240	4.40	5	1.148	4.48	5	1.127	Yes
	5745	4.43	5	0.916	4.90	5.5	1.148	Yes
	5785	4.47	5	---	4.82	5.5	---	No ^{NOTE4,3}
	5825	4.45	5	---	4.73	5.5	---	

Type of Network	Frequency (MHz)	RU Configuration	Average Output Power (dBm)						SAR Test
			AUX ANT 1			Main ANT 2			
			Average Power	Tune-Up Limit	Scale Factor	Average Power	Tune-Up Limit	Scale Factor	
802.11ax-HE20	5180	26RU1	4.79	5.5	---	6.32	7.0	---	No ^{NOTE4,3}
		26RU9	5.73	6.5	---	5.97	6.5	---	
		52RU1	4.94	5.5	---	6.41	6.0	---	
		52RU4	5.73	6.5	---	5.75	6.5	---	
		106RU1	5.02	6.0	---	6.37	7.0	---	
		106RU2	5.64	6.5	---	6.18	7.0	---	
		242RU1	5.13	6.0	---	6.17	7.0	---	
	5220	26RU1	5.84	6.5	---	6.13	7.0	---	
		26RU9	5.33	6.0	---	6.65	7.5	---	
		52RU1	5.93	6.5	---	6.31	7.0	---	
		52RU4	5.43	6.0	---	6.88	7.5	---	
		106RU1	5.95	6.5	---	6.48	7.0	---	
		106RU2	5.63	6.5	---	6.93	7.5	---	
		242RU1	5.69	6.5	---	6.60	7.5	---	
	5240	26RU1	6.05	7.0	---	6.21	7.0	---	No ^{NOTE4,3}
		26RU9	5.57	6.5	---	6.55	7.5	---	
		52RU1	6.06	7.0	---	6.29	7.0	---	
		52RU4	5.65	6.5	---	6.62	7.5	---	
		106RU1	6.03	7.0	---	6.41	7.0	---	
		106RU2	5.74	6.5	---	6.64	7.5	---	
		242RU1	5.77	6.5	---	6.48	7.0	---	
	5475	26RU1	5.69	6.5	---	6.85	7.5	---	
		26RU9	6.06	7.0	---	6.40	7.0	---	
		52RU1	5.80	6.5	---	6.93	7.5	---	
		52RU4	6.10	7.0	---	6.56	7.5	---	
		106RU1	5.85	6.5	---	6.97	7.5	---	
		106RU2	6.06	7.0	---	6.70	7.5	---	
		242RU1	5.84	6.5	---	6.78	7.5	---	
	5785	26RU1	5.74	6.5	---	6.60	7.5	---	
		26RU9	5.65	6.5	---	6.77	7.5	---	
		52RU1	5.86	6.5	---	6.69	7.5	---	
		52RU4	5.75	6.5	---	6.77	7.5	---	
		106RU1	5.89	6.5	---	6.72	7.5	---	
		106RU2	5.87	6.5	---	6.84	7.5	---	
		242RU1	5.78	6.5	---	6.67	7.5	---	
	5825	26RU1	6.07	7.0	---	6.24	7.0	---	
		26RU9	5.62	6.5	---	6.64	7.5	---	
		52RU1	6.11	7.0	---	6.39	7.0	---	
		52RU4	5.74	6.5	---	6.77	7.5	---	
		106RU1	6.09	7.0	---	6.53	7.5	---	
		106RU2	5.78	6.5	---	6.83	7.5	---	
		242RU1	5.82	6.5	---	6.61	7.5	---	

Type of Network	Frequency (MHz)	RU Configuration	Average Output Power (dBm)						SAR Test	
			AUX ANT 1			Main ANT 2				
			Average Power	Tune-Up Limit	Scale Factor	Average Power	Tune-Up Limit	Scale Factor		
802.11ax-HE40	5190	26RU1	5.54	6.5	---	6.25	7.0	---	No ^{NOTE4,3}	
		26RU18	5.80	6.5	---	6.84	7.5	---		
		52RU1	3.98	4.5	---	6.24	7	---		
		52RU8	5.85	6.5	---	6.81	7.5	---		
		106RU1	5.75	6.5	---	6.23	7.0	---	Yes	
		106RU4	6.00	7.0	1.258	6.75	7.5	1.188		
		242RU1	5.75	6.5	---	6.26	7.0	---		
		242RU2	5.99	6.5	---	6.57	7.5	---		
	5230	484RU1	5.45	6.0	---	5.99	6.5	---	No ^{NOTE4,3}	
		26RU1	6.32	7.0	---	6.60	7.5	---		
		26RU18	6.41	7.0	---	6.32	7.0	---		
		52RU1	6.32	7.0	---	6.65	7.5	---		
		52RU8	6.39	7.0	---	6.37	7.0	---	Yes	
		106RU1	6.31	7.0	1.172	6.66	7.5	1.213		
		106RU4	6.33	7.0	---	6.46	7.0	---		
		242RU1	6.15	7.0	---	6.58	7.5	---		
	5755	242RU2	6.26	7.0	---	6.53	7.5	---	No ^{NOTE4,3}	
		484RU1	5.91	6.5	---	6.11	7.0	---		
		26RU1	6.34	7.0	---	6.35	7.0	---		
		26RU18	6.27	7.0	---	6.73	7.5	---		
		5795	52RU1	6.30	7.0	---	6.77	7.5	---	No ^{NOTE4,3}
			52RU8	6.30	7.0	---	6.80	7.5	---	
			106RU1	6.33	7.0	---	6.87	7.5	---	
			106RU4	6.32	7.0	---	6.87	7.5	---	
	242RU1		6.20	7.0	---	6.82	7.5	---	Yes	
	242RU2		5.24	6.0	---	6.87	7.5	---		
	484RU1		5.92	6.5	---	6.48	7.0	---		
	26RU1		6.22	7.0	1.196	6.97	7.5	1.129		
	5795	26RU18	6.06	7.0	---	6.94	7.5	---	No ^{NOTE4,3}	
		52RU1	6.27	7.0	---	6.94	7.5	---		
		52RU8	6.08	7.0	---	6.95	7.5	---		
		106RU1	6.34	7.0	---	6.89	7.5	---		
		106RU4	6.14	7.0	---	6.95	7.5	---		
		242RU1	6.27	7.0	---	6.81	7.5	---		
		242RU2	6.20	7.0	---	6.86	7.5	---		
		484RU1	6.02	7.0	---	6.37	7.0	---		

Type of Network	Frequency (MHz)	RU Configuration	Average Output Power (dBm)						SAR Test
			AUX ANT 1			Main ANT 2			
			Average Power	Tune-Up Limit	Scale Factor	Average Power	Tune-Up Limit	Scale Factor	
802.11ax-HE80	5210	26RU1	4.99	5.5	---	6.43	7.0	---	No ^{NOTE4,3}
		26RU37	6.01	7.0	---	6.54	7.5	---	
		52RU1	5.13	6.0	---	6.38	7.0	---	
		52RU16	6.02	7.0	---	6.55	7.5	---	
		106RU1	5.23	6.0	---	6.40	7.0	---	
		106RU8	6.11	7.0	---	6.60	7.5	---	
		242RU1	5.52	6.5	---	6.22	7.0	---	
		242RU4	6.12	7.0	---	6.52	7.5	---	
		484RU1	5.38	6.0	---	5.90	6.5	---	
		484RU2	5.80	6.5	---	6.10	7.0	---	
	966RU1	5.70	6.5	---	6.13	7.0	---		
	5775	26RU1	5.96	6.5	---	6.69	7.5	---	No ^{NOTE4,3}
		26RU37	5.60	6.5	---	6.97	7.5	---	
		52RU1	5.99	6.5	---	6.68	7.5	---	
		52RU16	5.67	6.5	---	6.94	7.5	---	
		106RU1	6.09	7.0	---	6.77	7.5	---	
		106RU8	5.87	6.5	---	6.89	7.5	---	
		242RU1	6.25	7.0	---	6.67	7.5	---	
		242RU4	6.20	7.0	---	6.60	7.5	---	
		484RU1	5.99	6.5	---	6.27	7.0	---	
		484RU2	6.01	7.0	---	6.06	7.0	---	
		966RU1	6.06	7.0	---	6.41	7.0	---	

6.5.2. For BT Function

Type of Network	Frequency (MHz)	Average Output Power (dBm)			SAR Test
		AUX ANT 1			
		Average Power	Tune-Up Limit	Scale Factor	
Bluetooth (GFSK)	2402	8.53	9.5	---	No
	2441	8.86	9.5	---	
	2480	8.78	9.5	---	
Bluetooth (8-DPSK)	2402	8.47	9.5	---	No
	2441	8.78	9.5	---	
	2480	8.85	9.5	---	
BLE (1Mbps)	2402	9.05	10.0	---	No
	2440	9.35	10.0	---	No
	2480	9.38	10.0	1.153	Yes

6.6. SAR Test Result

Test Date	2026. 05. 27 ~ 29	Temp./Hum.	22°C /54~ 60%
Test Voltage	AC 120V, 60Hz (with AC Adapter)	Tested by	Brian Hsieh

● SAR_{10g} (W/kg) measurement (Test Position: Front)

Liquid Temperature : 21.0°C						Depth of Liquid: > 15cm						
Test Mode: WLAN 2.4GHz												
Remark	Plot No.	Test Mode	Test Position: Body	Antenna Position	Separation Distance (cm)	Frequency (MHz)	Conducted Power (dBm)	Maximum Tune-up (dBm)	Scale Factor	SAR 10g (W/kg) Note: 2	Reported SAR	Limit (W/kg) Note: 2
Antenna: AUX ANT 1												
	P35	802.11ax-HE40 106RU4	Front	Fixed	0	2422	16.09	17	1.233	0.029	0.036	4
Antenna: Main ANT 2												
Note 1	P36	802.11ax-HE40 106RU4	Left	Fixed	0	2422	16.43	17	1.14	0.037	0.042	4

Liquid Temperature : 21.0°C						Depth of Liquid: > 15cm						
Test Mode: BT												
Remark	Plot No.	Test Mode	Test Position: Body	Antenna Position	Separation Distance (cm)	Frequency (MHz)	Conducted Power (dBm)	Maximum Tune-up (dBm)	Scale Factor	SAR 10g (W/kg) Note 2	Reported SAR	Limit (W/kg) Note 2
Antenna: AUX ANT 1												
Note 1	P34	BLE (1Mbps)	Front	Fixed	0	2480	9.38	10	1.153	0.00462	0.005	4

Liquid Temperature : 21.0°C						Depth of Liquid: > 15cm						
Test Mode: WLAN 5GHz												
Remark	Plot No.	Test Mode	Test Position: Body	Antenna Position	Separation Distance (cm)	Frequency (MHz)	Conducted Power (dBm)	Maximum Tune-up (dBm)	Scale Factor	SAR 10g (W/kg) Note 2	Reported SAR	Limit (W/kg) Note 2
Antenna: AUX ANT 1												
Note 1	P39	802.11ax-HE40 106RU4	Front	Fixed	0	5190	6	7	1.258	0.026	0.033	4
Antenna: Main ANT 2												
	P42	802.11ax-HE40 106RU4	Left	Fixed	0	5190	6.75	7.5	1.188	0.012	0.014	4

Note 1: We only presented the worst plots for each test configuration.

Note 2: Spatial Peak SAR(10g for hands, feet, ankles and wrist). Uncontrolled Environment Limit is 4 W/kg.

Test Date	2026. 05. 27 ~ 29	Temp./Hum.	22°C/54~ 60%
Test Voltage	AC 120V, 60Hz (with AC Adapter)	Tested by	Brian Hsieh

● **SAR_{1g} (W/kg) measurement (Test Position: Top / Bottom / Back / Right)**

Liquid Temperature : 21.0°C						Depth of Liquid: > 15cm						
Test Mode: WLAN 2.4GHz												
Remark	Plot No.	Test Mode	Test Position: Body	Antenna Position	Separation Distance (cm)	Frequency (MHz)	Conducted Power (dBm)	Maximum Tune-up (dBm)	Scale Factor	SAR 1g (W/kg) Note: 2	Reported SAR	Limit (W/kg) Note: 2
Antenna: AUX ANT 1												
	P2	802.11b	Bottom	Fixed	0	2437	15.79	16.5	1.177	0.457	0.538	1.6
	P61	802.11ax-HE40 106RU4	Bottom	Fixed	0	2422	16.09	17	1.233	0.488	0.602	1.6
	P17	802.11ax-HE40 106RU4	Back	Fixed	0	2422	16.09	17	1.233	0.136	0.168	1.6
	P26	802.11ax-HE40 106RU4	Right	Fixed	0	2422	16.09	17	1.233	0.158	0.195	1.6
Antenna: Main ANT 2												
	P9	802.11b	Bottom	Fixed	0	2437	15.94	16.5	1.137	0.583	0.663	1.6
Note 1	P62	802.11ax-HE40 106RU4	Bottom	Fixed	0	2422	16.43	17	1.14	0.645	0.735	1.6
	P18	802.11ax-HE40 106RU4	Back	Fixed	0	2422	16.43	17	1.14	0.22	0.251	1.6
	P30	802.11ax-HE40 106RU4	Right	Fixed	0	2422	16.43	17	1.14	0.042	0.048	1.6

Liquid Temperature : 21.0°C						Depth of Liquid: > 15cm						
Test Mode: BT												
Remark	Plot No.	Test Mode	Test Position: Body	Antenna Position	Separation Distance (cm)	Frequency (MHz)	Conducted Power (dBm)	Maximum Tune-up (dBm)	Scale Factor	SAR 1g (W/kg) Note 2	Reported SAR	Limit (W/kg) Note 2
Antenna: AUX ANT 1												
Note 1	P1	BLE (1Mbps)	Bottom	Fixed	0	2480	9.38	10	1.153	0.037	0.043	1.6
	P16	BLE (1Mbps)	Back	Fixed	0	2480	9.38	10	1.153	0.00857	0.010	1.6
	P25	BLE (1Mbps)	Right	Fixed	0	2480	9.38	10	1.153	0.015	0.017	1.6

Note 1: We only presented the worst plots for each test configuration.

Note 2: Spatial Peak SAR (1g cube tissue for brain or body). Uncontrolled Environment Limit is 1.6 W/kg.

Liquid Temperature : 21.0°C						Depth of Liquid: > 15cm						
Test Mode: WLAN 5GHz												
Remark	Plot No.	Test Mode	Test Position: Body	Antenna Position	Separation Distance (cm)	Frequency (MHz)	Conducted Power (dBm)	Maximum Tune-up (dBm)	Scale Factor	SAR 1g (W/kg) Note 2	Reported SAR	Limit (W/kg) Note 2
Antenna: AUX ANT 1												
	P3	802.11a	Bottom	Fixed	0	5240	4.4	5	1.148	0.931	1.069	1.6
	P6	802.11a	Bottom	Fixed	0	5745	4.43	5	1.14	0.411	0.469	1.6
	P43	802.11a	Bottom	Fixed	0	5220	4.13	5	1.221	0.916	1.118	1.6
	P8	802.11ax-HE40 26RU1	Bottom	Fixed	0	5795	6.22	7	1.196	0.586	0.701	1.6
	P5	802.11ax-HE40 106RU4	Bottom	Fixed	0	5190	6	7	1.258	1.09	1.371	1.6
Note 1	P23	802.11ax-HE40 106RU4	Back	Fixed	0	5190	6	7	1.258	0.069	0.087	1.6
	P29	802.11ax-HE40 106RU4	Right	Fixed	0	5190	6	7	1.258	0.022	0.028	1.6
	P45	802.11ax-HE40 106RU1	Bottom	Fixed	0	5230	6.31	7	1.172	1.11	1.301	1.6
Antenna: Main ANT 2												
	P10	802.11a	Top	Fixed	0	5240	4.48	5	1.127	0.771	0.869	1.6
	P13	802.11a	Top	Fixed	0	5745	4.9	5.5	1.148	0.258	0.296	1.6
	P46	802.11a	Top	Fixed	0	5200	4.37	5	1.156	0.716	0.828	1.6
	P15	802.11ax-HE40 26RU1	Bottom	Fixed	0	5795	6.97	7.5	1.129	0.586	0.662	1.6
	P12	802.11ax-HE40 106RU4	Top	Fixed	0	5190	6.75	7.5	1.188	1.09	1.295	1.6
	P24	802.11ax-HE40 106RU4	Back	Fixed	0	5190	6.75	7.5	1.188	0.069	0.082	1.6
	P33	802.11ax-HE40 106RU4	Left	Fixed	0	5190	6.75	7.5	1.188	0.022	0.026	1.6
	P48	802.11ax-HE40 106RU1	Top	Fixed	0	5230	6.66	7.5	1.213	1.11	1.346	1.6

Note 1: We only presented the worst plots for each test configuration.

Note 2: Spatial Peak SAR (1g cube tissue for brain or body). Uncontrolled Environment Limit is 1.6 W/kg.

● Repeated SAR measurement

Plot No.		Test Mode	Frequency	Conducted Power (dBm)	Maximum Tune-up (dBm)	Scale Factor	SAR 1g (W/kg) Note 2	Reported SAR	Variation	Additional repeat SAR required
Antenna: AUX ANT 1										
original	P3	802.11a	5240	4.4	5	1.148	0.931	1.069	--	Yes ^{Note 1}
first repeat	P54	802.11a	5240	4.4	5	1.148	0.929	1.066	1.00	No ^{Note 2}
original	P43	802.11a	5220	4.13	5	1.221	0.916	1.118	--	Yes ^{Note 1}
first repeat	P53	802.11a	5220	4.13	5	1.221	0.851	1.039	0.93	No ^{Note 2}
original	P5	802.11ax-HE40 106RU4	5190	6	7	1.258	1.09	1.371	--	Yes ^{Note 1}
first repeat	P57	802.11ax-HE40 106RU4	5190	6	7	1.258	1.07	1.346	0.98	No ^{Note 2}
original	P45	802.11ax-HE40 106RU1	5230	6.31	7	1.172	1.11	1.301	--	Yes ^{Note 1}
first repeat	P58	802.11ax-HE40 106RU1	5230	6.31	7	1.172	1.02	1.195	0.92	No ^{Note 2}
Antenna: Main ANT 2										
original	P12	802.11ax-HE40 106RU4	5190	6.75	7.5	1.188	1.09	0.771	--	Yes ^{Note 1}
first repeat	P51	802.11ax-HE40 106RU4	5190	6.75	7.5	1.188	0.914	0.771	1.00	No ^{Note 2}
original	P48	802.11ax-HE40 106RU1	5230	6.66	7.5	1.213	1.11	0.771	--	Yes ^{Note 1}
first repeat	P52	802.11ax-HE40 106RU1	5230	6.66	7.5	1.213	1.01	0.771	1.00	No ^{Note 2}

Note: 1. Pursuant section 2.8.1(2) KDB 865664 D01, when the original highest measured SAR is ≥ 0.80 W/kg, repeat that measurement once.

2. Pursuant section 2.8.1(3) KDB 865664 D01, perform a second repeated measurement only if the ratio of largest to smallest SAR for the original and first repeated measurements is > 1.20 or when the original or repeated measurement is ≥ 1.45 W/kg ($\sim 10\%$ from the 1-g SAR limit)

● SAR Estimations for Simultaneous Transmission

Type of Network	Frequency (MHz)	Antenna	Antenna Position	Pant (dBm)	Pant(mW)	Pth(mW)	SARest (W/kg)	Distance (cm)
BT	2480	AUX ANT 1	Top	10	10	1387	0.012	13.195
WLAN 2.4G	2422	AUX ANT 1	Top	17	50.119	1387	0.058	13.195
WLAN 5.3G	5190, 5230	AUX ANT 1	Top	7	5.012	1293.87	0.006	13.195
Type of Network	Frequency (MHz)	Antenna	Antenna Position	Pant (dBm)	Pant(mW)	Pth(mW)	SARest (W/kg)	Distance (cm)
WLAN 2.4G	2422	Main ANT 2	Bottom	17	50.119	1387	0.058	13.195
WLAN 5.3G	5190, 5230	Main ANT 2	Bottom	7.5	5.623	1293.87	0.007	13.195

Note: Per KDB 447498 D04, The Estimated SAR formula is $SAR_{est} = 1.6 \cdot Pant / Pth$ [W/kg].

● Highest Simultaneous Transmission SAR SAR_{10g} (W/kg) (Test Position: Front)

Highest Simultaneous Transmission SAR	SAR _{10g} (W/kg)	Total SAR _{10g}
WLAN 2.4G (2422MHz) AUX ANT 1 (Front)+	0.058	0.100 W/kg
WLAN 2.4G (2422MHz) Main ANT 2 (Front)	0.042	
WLAN 2.4G (2422MHz) Main ANT 2 (Front)+	0.042	0.047 W/kg
BT (2480MHz) AUX ANT 1 (Front)	0.005	
WLAN 5G (5190MHz) AUX ANT 1 (Front)+	0.033	0.038 W/kg
BT (2480MHz) AUX ANT 1 (Front)	0.005	
WLAN 5G (5190MHz) AUX ANT 1 (Front)+	0.033	0.047 W/kg
WLAN 5G (5190MHz) Main ANT 2 (Front)	0.014	
WLAN 5G (5190MHz) AUX ANT 1 (Front)+	0.033	0.052 W/kg
WLAN 5G (5190MHz) Main ANT 2 (Front) +	0.014	
BT (2480MHz) ANT 1 (Front)	0.005	

Note: 1. The SAR limit (SAR_{10g} 4.0 W/kg) for general population / uncontrolled exposure is specified in FCC 47 CFR part 2 (2.1093).
2. It is calculated from scale SAR and SAR_{est}.

SAR_{1g} (W/kg) (Test Position: Top / Bottom / Back / Right)

Highest Simultaneous Transmission SAR	SAR _{1g} (W/kg)	Total SAR _{1g}
WLAN 2.4G (2422MHz) AUX ANT 1 (Bottom)+	0.602	1.337 W/kg
WLAN 2.4G (2422MHz) Main ANT 2 (Bottom)	0.735	
WLAN 2.4G (2422MHz) Main ANT 2 (Bottom)+	0.735	0.778 W/kg
BT (2441Hz) AUX ANT 1 (Bottom)	0.043	
WLAN 5G (5190MHz) AUX ANT 1 (Bottom)+	1.371	1.414 W/kg
BT (2441Hz) AUX ANT 1 (Bottom)	0.043	
WLAN 5G (5190MHz) AUX ANT 1 (Bottom)+	1.371	1.378 W/kg
WLAN 5G (5190MHz) Main ANT 2 (Bottom)	0.007	
WLAN 5G (5230MHz) AUX ANT 1 (Bottom)+	1.301	1.308 W/kg
WLAN 5G (5230MHz) Main ANT 2 (Bottom)	0.007	
WLAN 5G (5230MHz) AUX ANT 1 (Bottom)+	1.301	1.351 W/kg
WLAN 5G (5230MHz) Main ANT 2 (Bottom)	0.007	
BT (2441Hz) AUX ANT 1 (Bottom)	0.043	

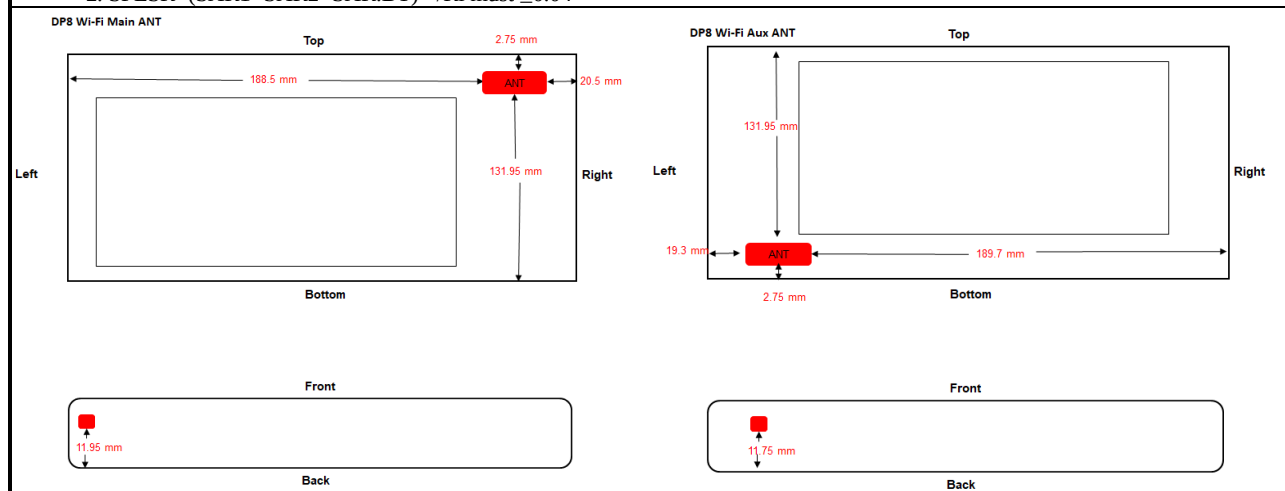
Note: 1. The SAR limit (SAR_{1g} 1.6 W/kg) for general population / uncontrolled exposure is specified in FCC 47 CFR part 2 (2.1093).
2. It is calculated from scale SAR and SAR_{est}.
3. It is larger than the limit 1.6(W/kg), SAR test exclusion is determined by the SAR to peak location separation ratio.

● Simultaneous Transmission SAR (SPLSR)

Band	Mode	Test Position	Separation Distance (cm)	Frequency (MHz)	Reported			Ri(mm) Note2	SPLSR Note2
					SAR1(W/kg)	SAR2(W/kg)	SAR.BT(W/kg)		
					AUX ANT 1	Main ANT 2	BLE AUX ANT 1		
2.4G	802.11ax-HE40, 106RU4	Top	0	2422	0.058	0.735	0.012	133.6	0.00541
5G	802.11ax-HE40, 106RU1	Top	0	5230	0.006	1.225	0.012	133.6	0.01037
2.4G	802.11ax-HE40, 106RU4	Bottom	0	2422	0.602	0.058	0.043	133.6	0.00441
5G	802.11ax-HE40, 106RU1	Bottom	0	5230	1.301	0.007	0.043	133.6	0.01175

Note: 1. The SAR limit (SAR_{1g} 1.6 W/kg) for general population / uncontrolled exposure is specified in FCC 47 CFR part 2 (2.1093).

2. $SPLSR = (SAR_1 + SAR_2 + SAR_{BT})^{1.5} / Ri$ must ≤ 0.04





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APPENDIX A

TEST GRAPH RESULT

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APPENDIX B

TEST PHOTOGRAPHS

(Model: DP8)



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APPENDIX C

TEST EQUIPMENT CALIBRATION DATA

(Model: DP8)