

Date: 2024-08-19

01_WLAN2.4GHz_802.11b 1Mbps_Bottom Face_0mm_Ch1

Communication System: IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps); Frequency: 2412.000

MHz; Duty Cycle: 1:1.031

Medium: Head Simulating Liquid Medium parameters used: $f = 2412.000$ MHz; $\sigma = 1.79$ S/m; $\epsilon_r = 38.6$

Ambient Temperature: 23.2°C; Liquid Temperature: 22.7°C

DASY8 Configuration:

- Probe: EX3DV4 - SN7774; ConvF(6.08, 6.63, 6.23); Calibrated: 2024-06-27
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1691; Calibrated: 2024-04-19
- Phantom: ELI V8.0 (20deg probe tilt); Serial: 2151
- Measurement Software: 16.4.0.5005
- UID: WLAN, 10012-CAB

Area Scan (120.0 mm x 140.0 mm): Measurement Grid: 12.0 mm x 12.0 mm

SAR (1g) = 0.523 W/kg; SAR (10g) = 0.202 W/kg;

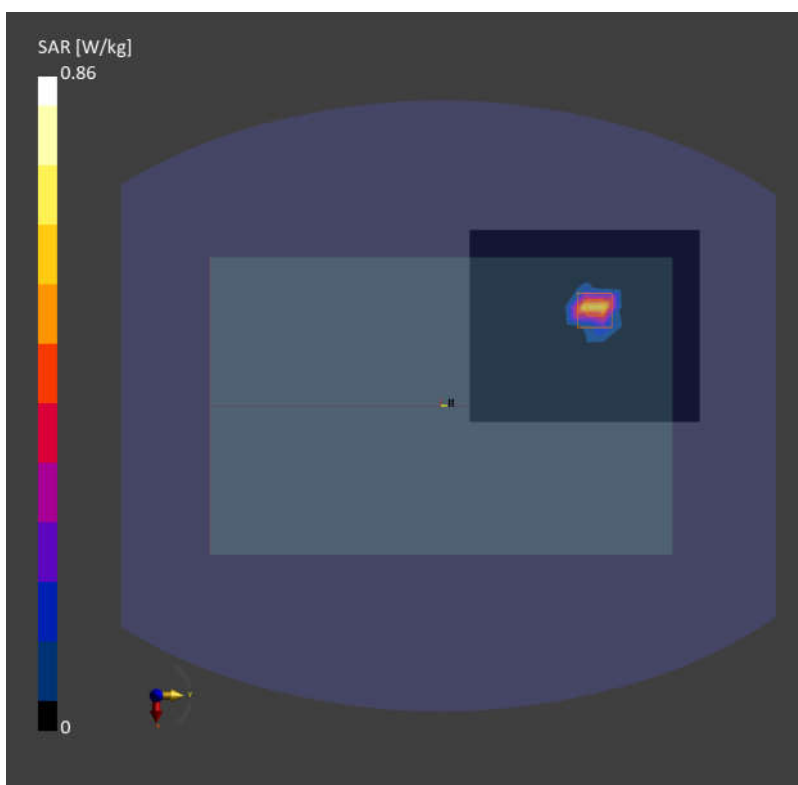
Zoom Scan (30.0 mm x 30.0 mm x 30.0 mm): Measurement Grid: 5.0 mm x 5.0 mm x 1.5 mm

Power Drift = 0.03 dB

SAR (1g) = 0.860 W/kg; SAR (10g) = 0.269 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 71.2 %



Date: 2024-08-19

02_Bluetooth_1Mbps_Bottom Face_0mm_Ch39

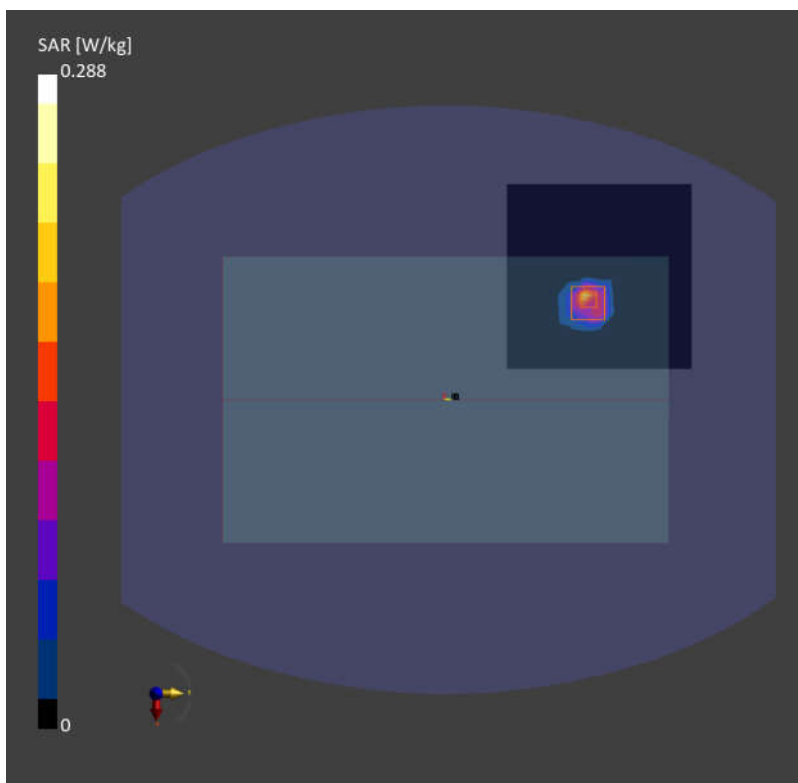
Communication System: IEEE 802.15.1 Bluetooth (GFSK, DH5); Frequency: 2441.000 MHz;
Duty Cycle: 1:1.076
Medium: Head Simulating Liquid Medium parameters used: $f = 2441.000$ MHz; $\sigma = 1.80$ S/m; $\epsilon_r = 38.6$
Ambient Temperature: 23.2°C; Liquid Temperature: 22.7°C

DASY8 Configuration:

- Probe: EX3DV4 - SN7774; ConvF(6.08, 6.63, 6.23); Calibrated: 2024-06-27
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1691; Calibrated: 2024-04-19
- Phantom: ELI V8.0 (20deg probe tilt); Serial: 2151
- Measurement Software: 16.4.0.5005
- UID: Bluetooth, 10032-CAA

Area Scan (100.0 mm x 120.0 mm): Measurement Grid: 12.0 mm x 10.0 mm
SAR (1g) = 0.157 W/kg; SAR (10g) = 0.067 W/kg;

Zoom Scan (30.0 mm x 30.0 mm x 30.0 mm): Measurement Grid: 5.0 mm x 5.0 mm x 1.5 mm
Power Drift = -0.03 dB
SAR (1g) = 0.288 W/kg; SAR (10g) = 0.087 W/kg
Smallest distance from peaks to all points 3 dB below = 5.2 mm
Ratio of SAR at M2 to SAR at M1 = 61.5 %



Date: 2024-08-20

03_WLAN5GHz_802.11n-HT40 MCS0_Edge 1_0mm_Ch62

Communication System: IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc duty cycle);

Frequency: 5310.000 MHz; Duty Cycle: 1:1

Medium: Head Simulating Liquid Medium parameters used: $f = 5310.000$ MHz; $\sigma = 4.61$ S/m; $\epsilon_r = 36.1$

Ambient Temperature: 23.1°C; Liquid Temperature: 22.6°C

DASY8 Configuration:

- Probe: EX3DV4 - SN7774; ConvF(4.32, 4.72, 4.38); Calibrated: 2024-06-27
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1691; Calibrated: 2024-04-19
- Phantom: ELI V8.0 (20deg probe tilt); Serial: 2151
- Measurement Software: 16.4.0.5005
- UID: WLAN, 10599-AAD

Area Scan (60.0 mm x 120.0 mm): Measurement Grid: 10.0 mm x 10.0 mm

SAR (1g) = 0.765 W/kg; SAR (10g) = 0.302 W/kg;

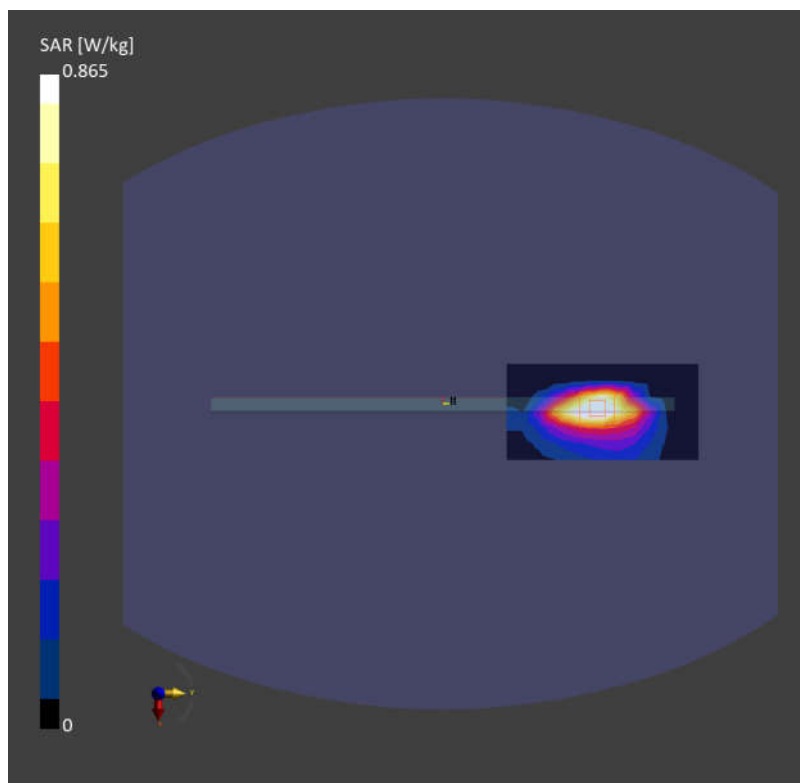
Zoom Scan (24.0 mm x 24.0 mm x 22.0 mm): Measurement Grid: 4.0 mm x 4.0 mm x 1.4 mm

Power Drift = 0.05 dB

SAR (1g) = 0.865 W/kg; SAR (10g) = 0.323 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 65.0 %



Date: 2024-08-21

04_WLAN5GHz_802.11ac-VHT80 MCS0_Bottom Face_0mm_Ch122

Communication System: IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle); Frequency:

5610.000MHz; Duty Cycle: 1:1

Medium: Head Simulating Liquid Medium parameters used: $f = 5610.000$ MHz; $\sigma = 4.94$ S/m; $\epsilon_r = 35.7$

Ambient Temperature: 23.3°C; Liquid Temperature: 22.9°C

DASY8 Configuration:

- Probe: EX3DV4 - SN7774; ConvF(3.87, 4.18, 3.91); Calibrated: 2024-06-27
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1691; Calibrated: 2024-04-19
- Phantom: ELI V8.0 (20deg probe tilt); Serial: 2151
- Measurement Software: 16.4.0.5005
- UID: WLAN, 10544-CAE

Area Scan (100.0 mm x 120.0 mm): Measurement Grid: 10.0 mm x 10.0 mm

SAR (1g) = 0.839 W/kg; SAR (10g) = 0.225 W/kg;

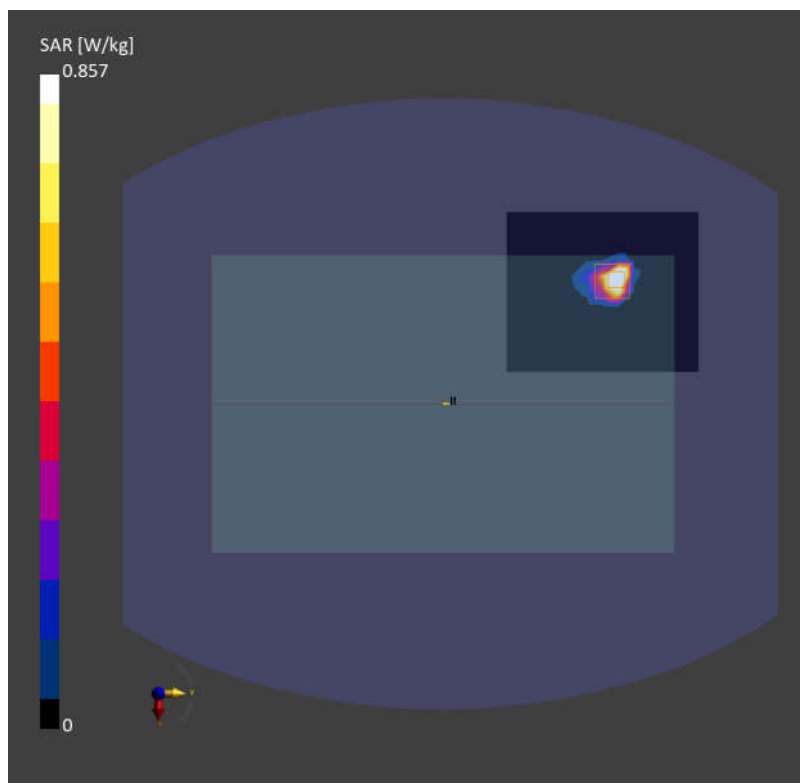
Zoom Scan (24.0 mm x 24.0 mm x 22.0 mm): Measurement Grid: 4.0 mm x 4.0 mm x 1.4 mm

Power Drift = 0.08 dB

SAR (1g) = 0.857 W/kg; SAR (10g) = 0.223 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 67.3 %



Date: 2024-08-22

05_WLAN5GHz_802.11ac-VHT80 MCS0_Bottom Face_0mm_Ch155

Communication System: IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle); Frequency:

5775.000MHz; Duty Cycle: 1:1

Medium: Head Simulating Liquid Medium parameters used: $f = 5775.000$ MHz; $\sigma = 5.12$ S/m; $\epsilon_r = 35.5$

Ambient Temperature: 23.2°C; Liquid Temperature: 22.8°C

DASY8 Configuration:

- Probe: EX3DV4 - SN7774; ConvF(3.91, 4.24, 3.96); Calibrated: 2024-06-27
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1691; Calibrated: 2024-04-19
- Phantom: ELI V8.0 (20deg probe tilt); Serial: 2151
- Measurement Software: 16.4.0.5005
- UID: WLAN, 10544-CAE

Area Scan (100.0 mm x 120.0 mm): Measurement Grid: 10.0 mm x 10.0 mm

SAR (1g) = 0.482 W/kg; SAR (10g) = 0.158 W/kg;

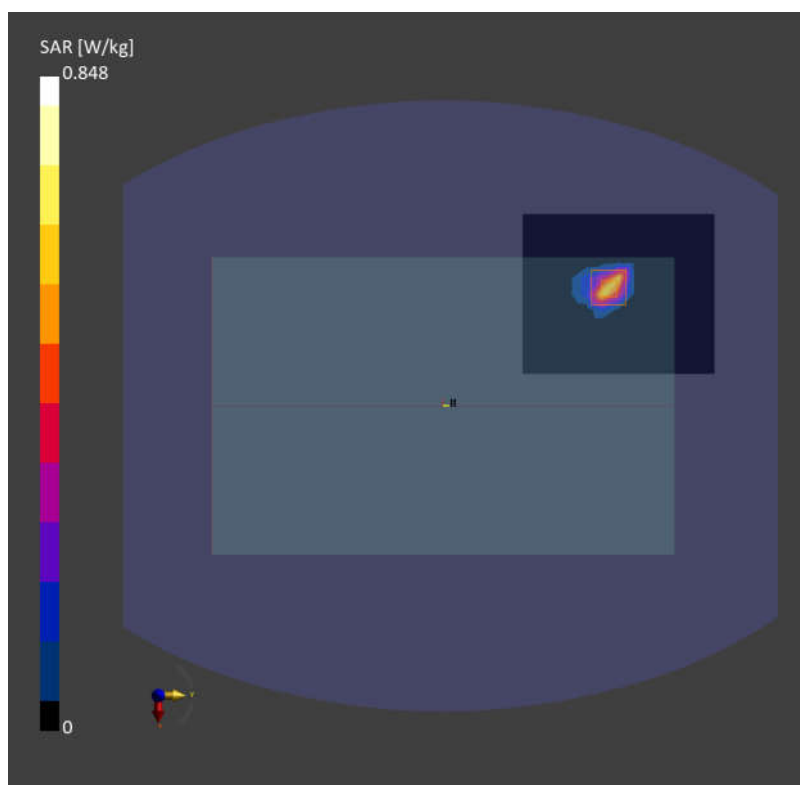
Zoom Scan (24.0 mm x 24.0 mm x 22.0 mm): Measurement Grid: 4.0 mm x 4.0 mm x 1.4 mm

Power Drift = 0.07 dB

SAR (1g) = 0.848 W/kg; SAR (10g) = 0.215 W/kg

Smallest distance from peaks to all points 3 dB below = 4.9 mm

Ratio of SAR at M2 to SAR at M1 = 67.2 %



Date: 2024-08-23

06_WLAN6GHz_802.11ax-HE160 MCS0_Bottom Face_0mm_Ch143

Communication System: IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle); Frequency:

6665.000 MHz; Duty Cycle: 1:1

Medium: Head Simulating Liquid Medium parameters used: $f = 6665.000$ MHz; $\sigma = 6.38$ S/m; $\epsilon_r = 33.4$

Ambient Temperature: 23.3°C; Liquid Temperature: 22.7°C

DASY8 Configuration:

- Probe: EX3DV4 - SN7764; ConvF(5.5, 5.5, 5.5); Calibrated: 2023-10-05
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1691; Calibrated: 2024-04-19
- Phantom: ELI V8.0 (20deg probe tilt); Serial: 2151
- Measurement Software: 16.4.0.5005
- UID: WLAN, 10743-AAC

Area Scan (100.0 mm x 120.0 mm): Measurement Grid: 8.5 mm x 8.5 mm

SAR (1g) = 0.570 W/kg; SAR (10g) = 0.152 W/kg;

Zoom Scan (22.0 mm x 22.0 mm x 22.0 mm): Measurement Grid: 3.4 mm x 3.4 mm x 1.4 mm

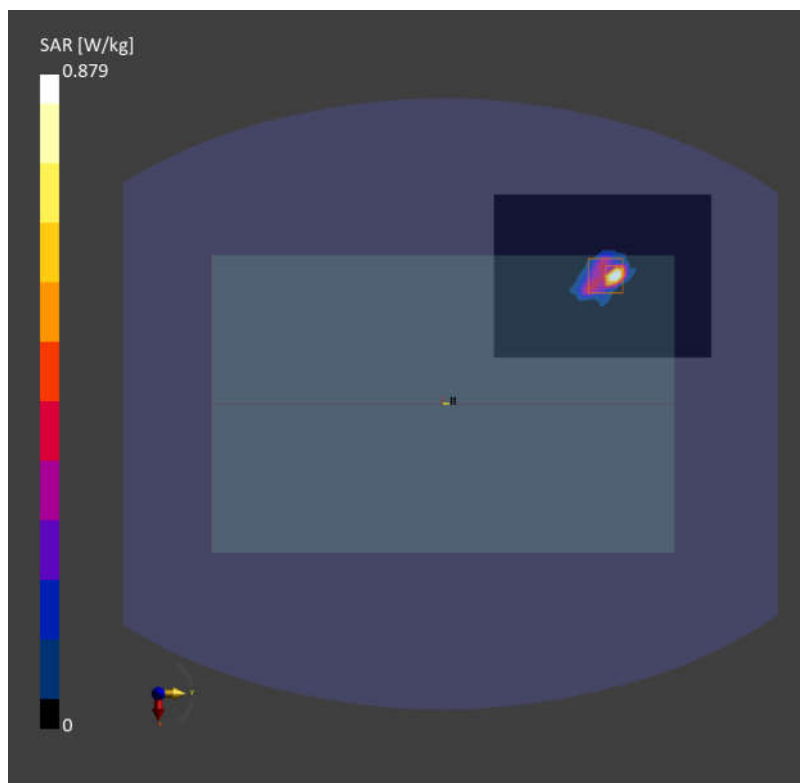
Power Drift = -0.05 dB

SAR (1g) = 0.879 W/kg; SAR (10g) = 0.200 W/kg

Smallest distance from peaks to all points 3 dB below = 3.8 mm

Ratio of SAR at M2 to SAR at M1 = 57.6 %

psAPD (4.0cm², sq) = 4.65 [W/m²]



Date: 2024-08-23

07_WLAN6GHz_802.11ax-HE160 MCS0_Edge 1_0mm_Ch15

Communication System: IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle); Frequency: 6025.000 MHz; Duty Cycle: 1:1

Medium: Head Simulating Liquid Medium parameters used: $f = 6025.000$ MHz; $\sigma = 5.59$ S/m; $\epsilon_r = 34.6$

Ambient Temperature: 23.3°C; Liquid Temperature: 22.7°C

DASY6 Configuration:

- Probe: EX3DV4 - SN7764; ConvF(5.5, 5.5, 5.5); Calibrated: 2023-10-05
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1691; Calibrated: 2024-04-19
- Phantom: ELI V8.0 (20deg probe tilt); Serial: 2151
- Measurement Software: 16.4.0.5005
- UID: WLAN, 10743-AAC

Area Scan (60.0 mm x 120.0 mm): Measurement Grid: 8.5 mm x 8.5 mm

SAR (1g) = 0.639 W/kg; SAR (10g) = 0.213 W/kg;

Zoom Scan (22.0 mm x 22.0 mm x 22.0 mm): Measurement Grid: 3.4 mm x 3.4 mm x 1.4 mm

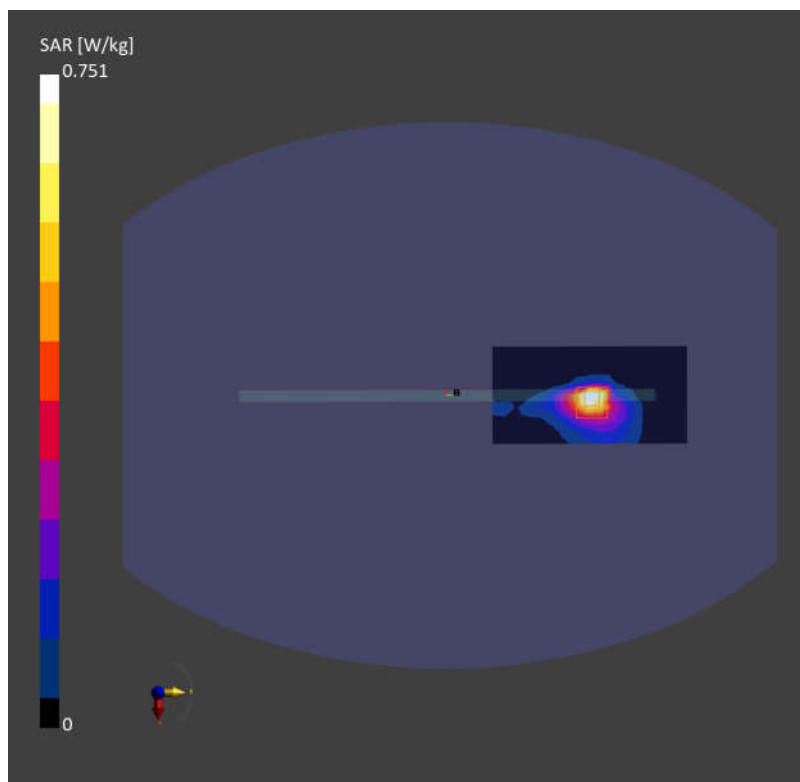
Power Drift = -0.02 dB

SAR (1g) = 0.751 W/kg; SAR (10g) = 0.236 W/kg

Smallest distance from peaks to all points 3 dB below = 6.1 mm

Ratio of SAR at M2 to SAR at M1 = 56.4 %

psAPD (4.0cm², sq) = 4.76 [W/m²]



01_WLAN6GHz_802.11ax-HE160 MCS0_Edge1_2mm_Ch111Device Under

Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	290.0 x 190.0 x 10.0		PAD

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G	EDGE TOP, 2.00	U-NII-6	WLAN, 10743-AAC	6505.0, 111	1.0

Hardware Setup

Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1065	Air -	EUmmWV4 - SN9553_F1-55GHz, 2023-10-18	DAE4 Sn1358, 2024-05-23

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	120.0 x 120.0
Grid Steps [lambda]	0.0625 x 0.0625
Sensor Surface [mm]	2.0
MAIA	N/A

Measurement Results

Scan Type	5G Scan
Date	2024-09-01
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	2.57
psPDtot+ [W/m ²]	3.27
psPDmod+ [W/m ²]	4.95
E _{max} [V/m]	58.4
Power Drift [dB]	0.1

