

Date: 2025-02-14

01_WLAN6GHz_802.11ax-HE160 MCS0_Left Cheek_0mm_Ch15

Communication System: IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle); Frequency:

6025.000 MHz; Duty Cycle: 1:1

Medium: Head Simulating Liquid Medium parameters used: $f = 6025.000$ MHz; $\sigma = 5.46$ S/m; $\epsilon_r = 34.9$

Ambient Temperature: 23.2°C; Liquid Temperature: 22.6°C

DASY8 Configuration:

- Probe: EX3DV4 - SN7764; ConvF(5.74, 5.63, 5.69); Calibrated: 2024-09-02
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1691; Calibrated: 2024-04-19
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2024
- Measurement Software: 16.4.0.5005
- UID: WLAN, 10755-AAC

Area Scan (119.0 mm x 204.0 mm): Measurement Grid: 8.5 mm x 8.5 mm

SAR (1g) = 0.275 W/kg; SAR (10g) = 0.082 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

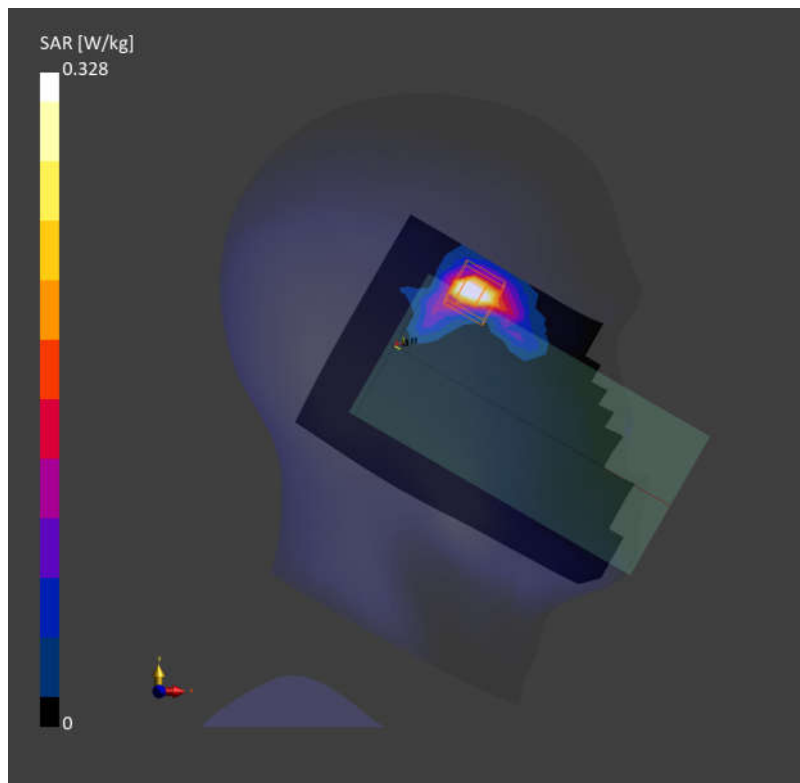
Power Drift = -0.02 dB

SAR (1g) = 0.328 W/kg; SAR (10g) = 0.091 W/kg

Smallest distance from peaks to all points 3 dB below = 4.6 mm

Ratio of SAR at M2 to SAR at M1 = 55.7 %

psAPD (4.0cm², sq) = 2.08 [W/m²]



Date: 2025-02-14

02_WLAN6GHz_802.11ax-HE160 MCS0_Back_10mm_Ch207

Communication System: IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle); Frequency:

6985.000 MHz; Duty Cycle: 1:1

Medium: Head Simulating Liquid Medium parameters used: $f = 6985.000$ MHz; $\sigma = 6.69$ S/m; $\epsilon_r = 33.2$

Ambient Temperature: 23.2°C; Liquid Temperature: 22.6°C

DASY8 Configuration:

- Probe: EX3DV4 - SN7764; ConvF(5.74, 5.63, 5.69); Calibrated: 2024-09-02
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1691; Calibrated: 2024-04-19
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2024
- Measurement Software: 16.4.0.5005
- UID: WLAN, 10755-AAC

Area Scan (119.0 mm x 204.0 mm): Measurement Grid: 8.5 mm x 8.5 mm

SAR (1g) = 0.314 W/kg; SAR (10g) = 0.110 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

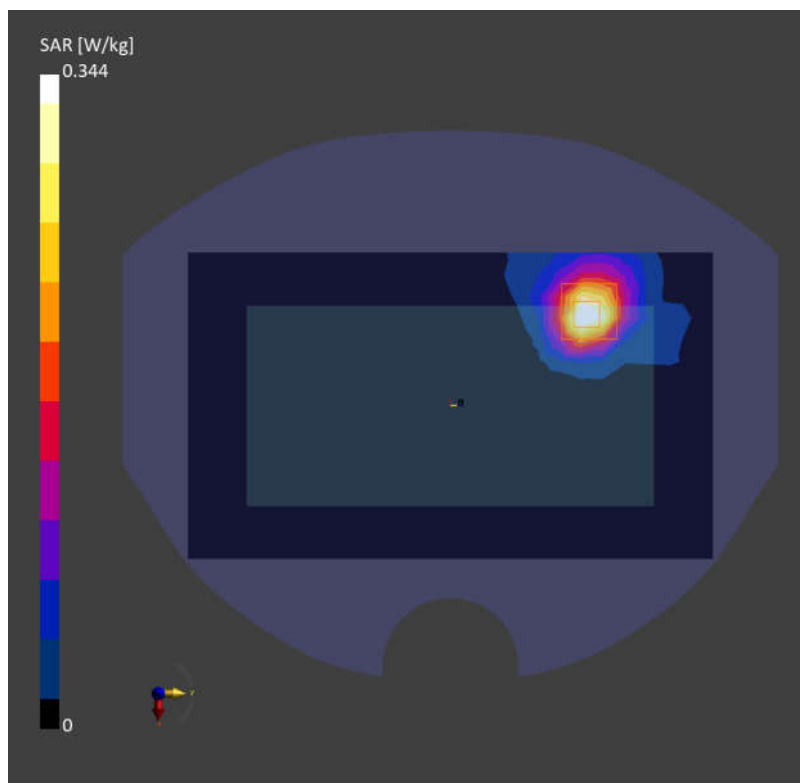
Power Drift = -0.08 dB

SAR (1g) = 0.344 W/kg; SAR (10g) = 0.121 W/kg

Smallest distance from peaks to all points 3 dB below = 9.7 mm

Ratio of SAR at M2 to SAR at M1 = 47.2 %

psAPD (4.0cm², sq) = 2.72 [W/m²]



Date: 2025-02-14

03_WLAN6GHz_802.11ax-HE160 MCS0_Right Side_0mm_Ch143

Communication System: IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle); Frequency:

6665.000 MHz; Duty Cycle: 1:1

Medium: Head Simulating Liquid Medium parameters used: $f = 6665.000$ MHz; $\sigma = 6.39$ S/m; $\epsilon_r = 33.6$

Ambient Temperature: 23.2°C; Liquid Temperature: 22.6°C

DASY8 Configuration:

- Probe: EX3DV4 - SN7764; ConvF(5.74, 5.63, 5.69); Calibrated: 2024-09-02
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1691; Calibrated: 2024-04-19
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2024
- Measurement Software: 16.4.0.5005
- UID: WLAN, 10755-AAC

Area Scan (48.0 mm x 204.0 mm): Measurement Grid: 8.0 mm x 8.5 mm

SAR (1g) = 0.769 W/kg; SAR (10g) = 0.226 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

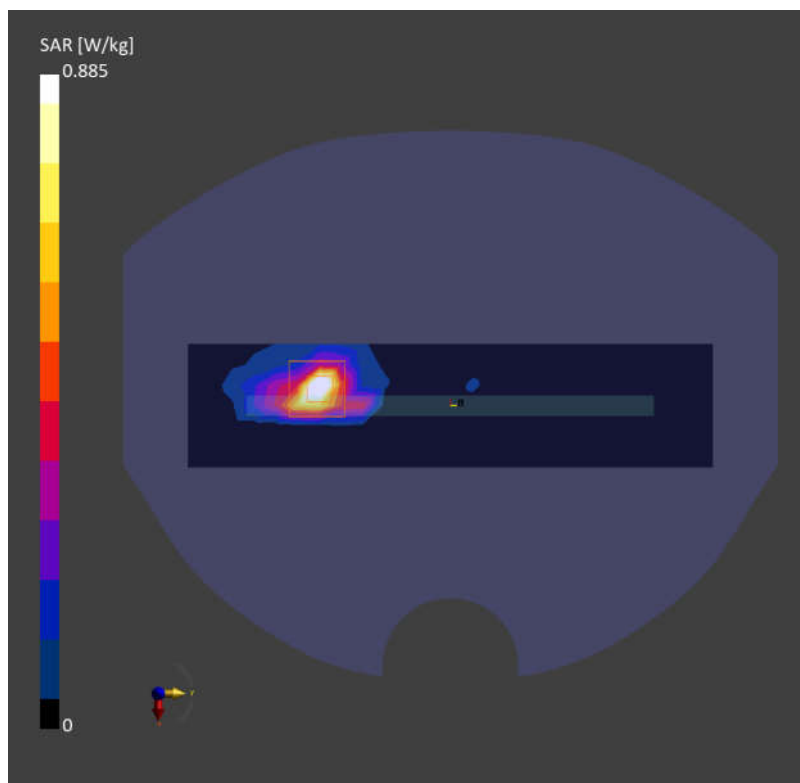
Power Drift = 0.10 dB

SAR (1g) = 0.885 W/kg; SAR (10g) = 0.237 W/kg

Smallest distance from peaks to all points 3 dB below = 5.2 mm

Ratio of SAR at M2 to SAR at M1 = 50.2 %

psAPD (4.0cm², sq) = 5.44 [W/m²]



01_WLAN6GHz_802.11ax-HE160 MCS0_Front_2mm_Ch47

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]
Device,	171.0 x 80.0 x 8.0

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G	FRONT, 2.00	U-NII-5	WLAN, 10755-AAC	6185.0, 47	1.0

Hardware Setup

Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave – 1065	Air –	EUmmWV4 – SN9553_F1-55GHz, 2024-11-15	DAE4 Sn1650, 2024-11-25

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	2025-02-10
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	2.20
psPDtot+ [W/m ²]	2.67
psPDmod+ [W/m ²]	3.57
E _{max} [V/m]	51.3
Power Drift [dB]	0.01

