

Date: 2024-08-10

01_WLAN6GHz_802.11ax-HE160 MCS0_Left Tilted_0mm_Ch143

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

Frequency: 6665.000MHz; Duty Cycle: 1:1.167

Medium: HSL Medium parameters used: $f = 6665.000$ MHz; $\sigma = 6.37$ S/m; $\epsilon_r = 34.3$

Ambient Temperature: 23.4°C; Liquid Temperature: 22.8°C

DASY6 Configuration:

- Probe: EX3DV4 - SN7764; ConvF(5.5, 5.5, 5.5); Calibrated: 2023-10-05
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1303; Calibrated: 2023-11-20
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2022; Section: LeftHead
- 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) = 0.661 W/kg; SAR (10g) = 0.181 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

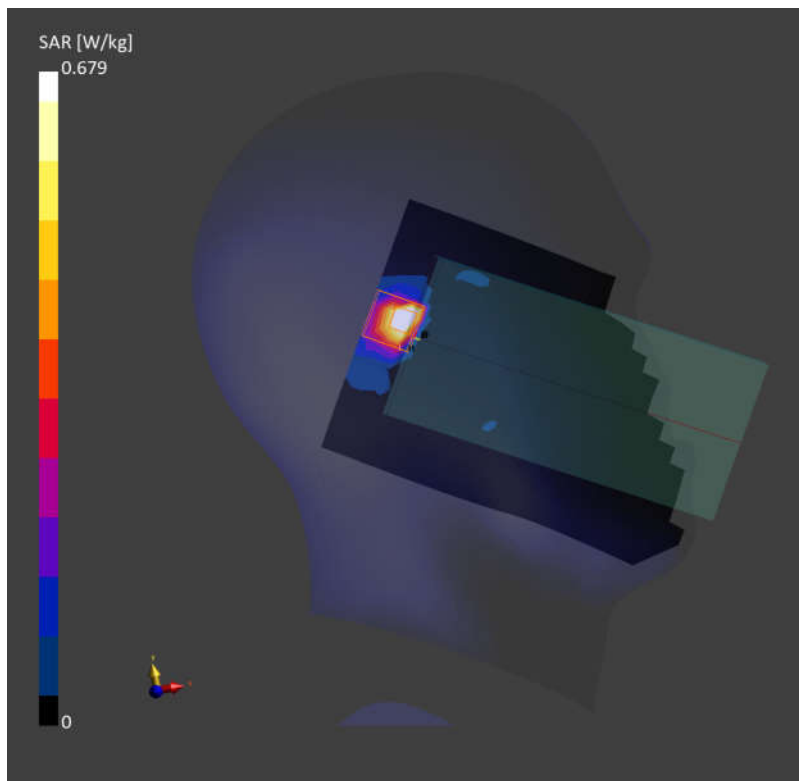
Power Drift = -0.01 dB

SAR (1g) = 0.679 W/kg; SAR (10g) = 0.187 W/kg

Smallest distance from peaks to all points 3 dB below = 5.0 mm

Ratio of SAR at M2 to SAR at M1 = 54.5 %

psAPD (4.0cm², sq) = 4.35 [W/m²]



Date: 2024-08-10

02_WLAN6GHz_802.11ax-HE160 MCS0_Back_5mm_Ch143

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

Frequency: 6665.000MHz; Duty Cycle: 1:1.167

Medium: HSL Medium parameters used: $f = 6665.000$ MHz; $\sigma = 6.37$ S/m; $\epsilon_r = 34.3$

Ambient Temperature: 23.4°C; Liquid Temperature: 22.8°C

DASY6 Configuration:

- Probe: EX3DV4 - SN7764; ConvF(5.5, 5.5, 5.5); Calibrated: 2023-10-05
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1303; Calibrated: 2023-11-20
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2022; Section: Flat
- 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) = 0.460 W/kg; SAR (10g) = 0.140 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

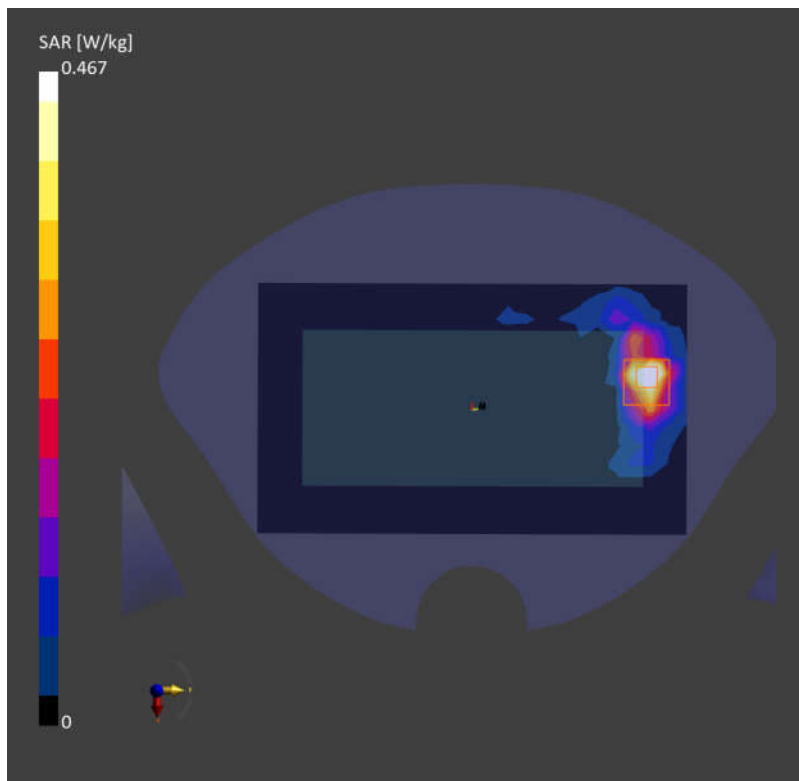
Power Drift = 0.04 dB

SAR (1g) = 0.467 W/kg; SAR (10g) = 0.139 W/kg

Smallest distance from peaks to all points 3 dB below = 5.5 mm

Ratio of SAR at M2 to SAR at M1 = 50.5 %

psAPD (4.0cm², sq) = 3.16 [W/m²]



Date: 2024-08-10

03_WLAN6GHz_802.11ax-HE160 MCS0_Top Side_0mm_Ch143

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

Frequency: 6665.000MHz; Duty Cycle: 1:1.167

Medium: HSL Medium parameters used: $f = 6665.000$ MHz; $\sigma = 6.37$ S/m; $\epsilon_r = 34.3$

Ambient Temperature: 23.4°C; Liquid Temperature: 22.8°C

DASY6 Configuration:

- Probe: EX3DV4 - SN7764; ConvF(5.5, 5.5, 5.5); Calibrated: 2023-10-05
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1303; Calibrated: 2023-11-20
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2022; Section: Flat
- Measurement Software: 16.4.0.5005
- UID: WLAN, 10755-AAC

Area Scan (48.0 mm x 119.0 mm): Measurement Grid: 8.0 mm x 8.5 mm

SAR (1g) = 2.38 W/kg; SAR (10g) = 0.472 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

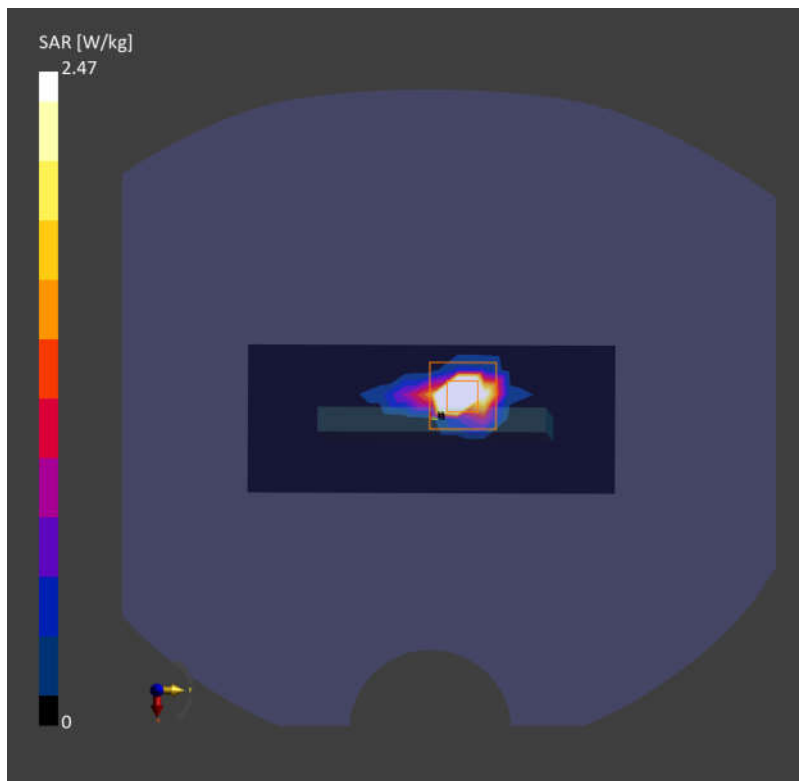
Power Drift = -0.06 dB

SAR (1g) = 2.47 W/kg; SAR (10g) = 0.408 W/kg

Smallest distance from peaks to all points 3 dB below = 3.6 mm

Ratio of SAR at M2 to SAR at M1 = 59.0 %

psAPD (4.0cm², sq) = 9.86 [W/m²]



01_WLAN6GHz_802.11ax-HE160 MCS0_Top Side_2mm_Ch143

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Device,	167.0 x 78.0 x 8.0	

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G	TOP Side, 2.00	U-NII-7	WLAN, 10755-AAC	6665.0, 143	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	2024-08-10
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	1.97
psPDtot+ [W/m ²]	3.02
psPDmod+ [W/m ²]	5.69
E _{max} [V/m]	65.3
Power Drift [dB]	-0.08

