

Date: 2024-08-29

01_WLAN6GHz_802.11ax-HE160 MCS0_Left Cheek_0mm_Ch47

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

Frequency: 6185.000MHz; Duty Cycle: 1:1

Medium: HSL Medium parameters used: $f = 6185.000$ MHz; $\sigma = 5.77$ S/m; $\epsilon_r = 35.1$

Ambient Temperature: 23.5°C; Liquid Temperature: 22.5°C

DASY6 Configuration:

- Probe: EX3DV4 - SN7706; ConvF(5.27, 6.32, 5.24); Calibrated: 2024-01-24
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1649; Calibrated: 2024-07-03
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2024; Section: LeftHead
- Measurement Software: 16.4.0.5005
- UID: WLAN, 10743-AAC

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

SAR (1g) = 0.563 W/kg; SAR (10g) = 0.206 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

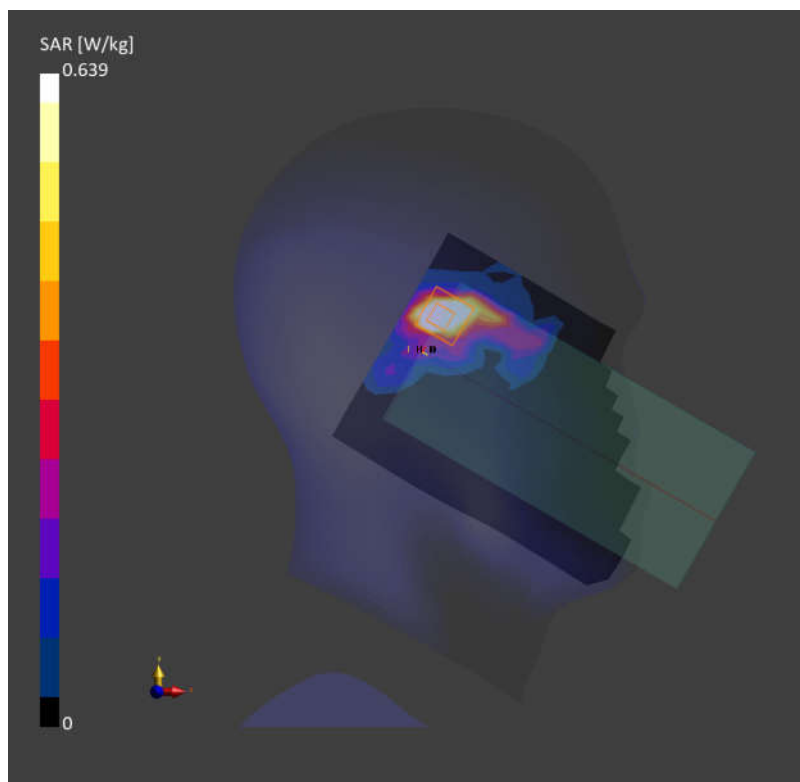
Power Drift = -0.12 dB

SAR (1g) = 0.639 W/kg; SAR (10g) = 0.209 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 56.7 %

psAPD (4.0cm², sq) = 4.33 [W/m²]



Date: 2024-08-29

02_WLAN6GHz_802.11ax-HE160 MCS0_Back_15mm_Ch207

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

Frequency: 6985.000MHz; Duty Cycle: 1:1

Medium: HSL Medium parameters used: $f = 6985.000$ MHz; $\sigma = 6.75$ S/m; $\epsilon_r = 33.7$

Ambient Temperature: 23.5°C; Liquid Temperature: 22.5°C

DASY6 Configuration:

- Probe: EX3DV4 - SN7706; ConvF(5.27, 6.32, 5.24); Calibrated: 2024-01-24
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1649; Calibrated: 2024-07-03
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2024; Section: Flat
- Measurement Software: 16.4.0.5005
- UID: WLAN, 10743-AAC

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

SAR (1g) = 0.125 W/kg; SAR (10g) = 0.062 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

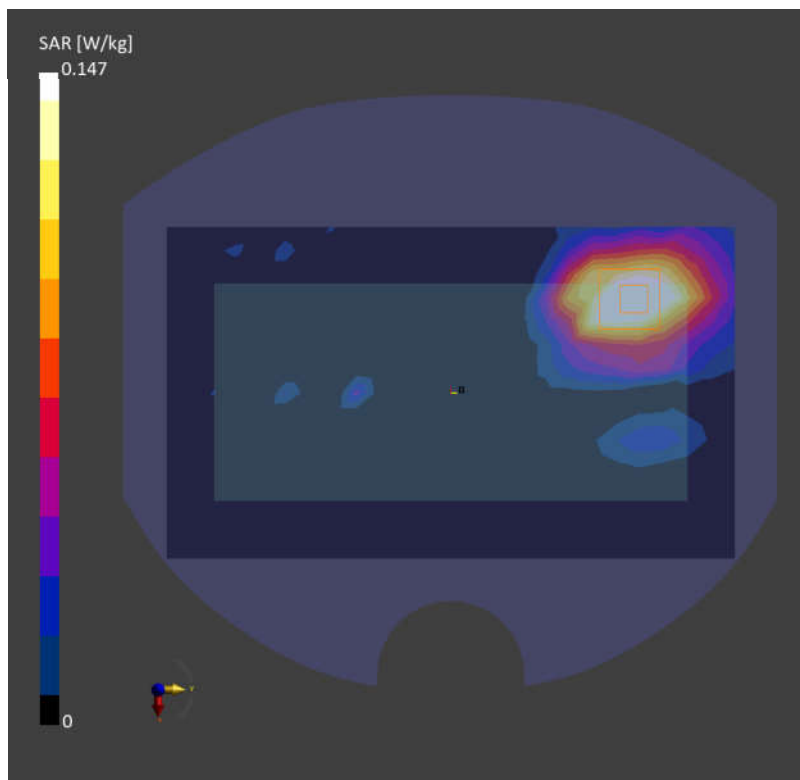
Power Drift = 0.02 dB

SAR (1g) = 0.147 W/kg; SAR (10g) = 0.071 W/kg

Smallest distance from peaks to all points 3 dB below = 6.7 mm

Ratio of SAR at M2 to SAR at M1 = 41.6 %

psAPD (4.0cm², sq) = 1.33 [W/m²]



Date: 2024-08-29

03_WLAN6GHz_802.11ax-HE160 MCS0_Back_0mm_Ch15

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

Frequency: 6025.000MHz; Duty Cycle: 1:1

Medium: HSL Medium parameters used: $f = 6025.000$ MHz; $\sigma = 5.57$ S/m; $\epsilon_r = 35.4$

Ambient Temperature: 23.5°C; Liquid Temperature: 22.5°C

DASY6 Configuration:

- Probe: EX3DV4 - SN7706; ConvF(5.27, 6.32, 5.24); Calibrated: 2024-01-24
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1649; Calibrated: 2024-07-03
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2024; Section: Flat
- Measurement Software: 16.4.0.5005
- UID: WLAN, 10743-AAC

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

SAR (1g) = 0.828 W/kg; SAR (10g) = 0.218 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

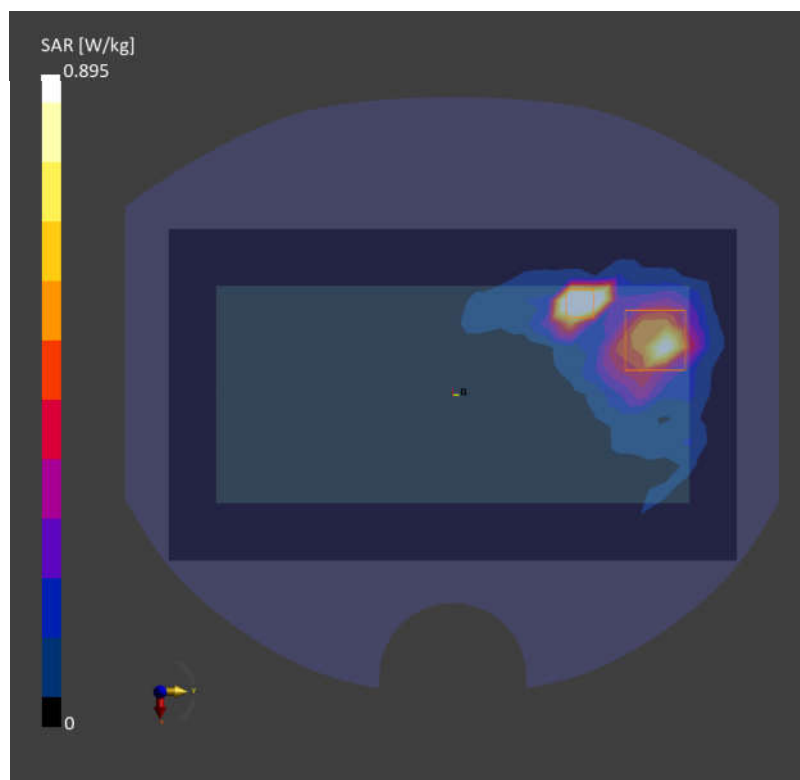
Power Drift = -0.15 dB

SAR (1g) = 0.895 W/kg; SAR (10g) = 0.224 W/kg

Smallest distance from peaks to all points 3 dB below = 7.0 mm

Ratio of SAR at M2 to SAR at M1 = 54.7 %

psAPD (4.0cm², sq) = 5.12 [W/m²]



01_WLAN6E_802.11ax-HE160 MCS0_Back_2mm_Ch143

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	170.0 x 80.0 x 12.0		Phone

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G	BACK, 2.00	U-NII-7	WLAN, 10743-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 Sn1303, 2023-11-20

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	2024-08-30
Avg. Area [cm ²]	2.71
psPDn+ [W/m ²]	2.46
psPDtot+ [W/m ²]	3.21
psPDmod+ [W/m ²]	4.32
E _{max} [V/m]	50.3
Power Drift [dB]	0.15

