

Date: 2024-12-20

**01\_WLAN6GHz\_802.11ax-HE160 MCS0\_Front\_5mm\_Ch207**

Communication System: IEEE 802.11ax (160MHz, MCS0, 99pc 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: 23.4°C; Liquid Temperature: 22.8°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, 10755-AAC

**Area Scan (102.0 mm x 119.0 mm):** Measurement Grid: 8.5 mm x 8.5 mm

SAR (1g) = 0.032 W/kg; SAR (10g) = 0.011 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

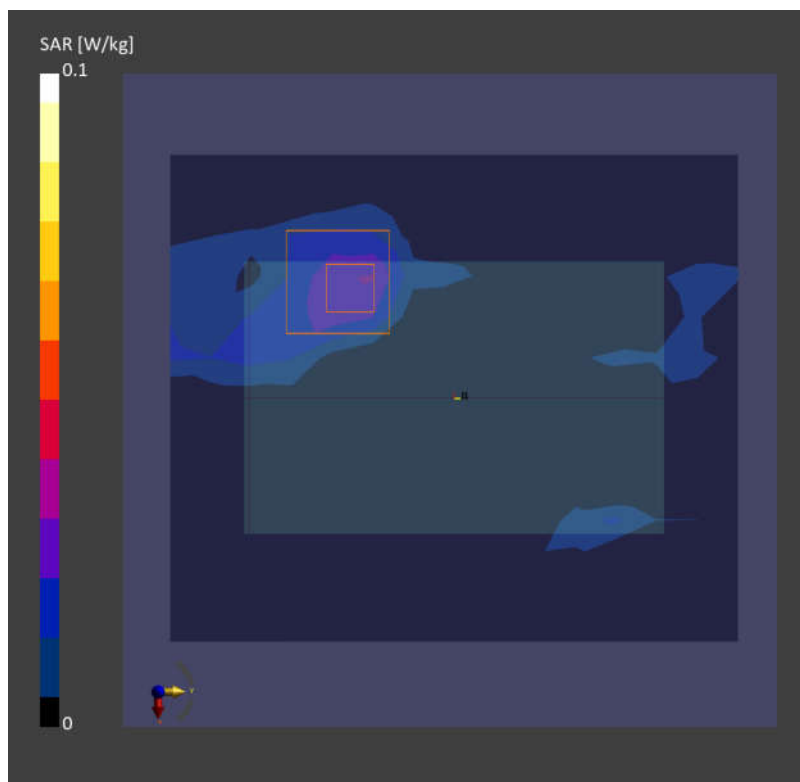
Power Drift = 0.08 dB

SAR (1g) = 0.020 W/kg; SAR (10g) = 0.007 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 48.5 %

psAPD (4.0cm<sup>2</sup>, sq) = 0.155 [W/m<sup>2</sup>]



Date: 2024-12-20

**02\_WLAN6GHz\_802.11ax-HE160 MCS0\_Back\_5mm\_Ch111**

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

Frequency: 6505.000MHz; Duty Cycle: 1:1

Medium: HSL Medium parameters used:  $f = 6505.000$  MHz;  $\sigma = 6.17$  S/m;  $\epsilon_r = 34.5$

Ambient Temperature: 23.4°C; Liquid Temperature: 22.8°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, 10755-AAC

**Area Scan (102.0 mm x 119.0 mm):** Measurement Grid: 8.5 mm x 8.5 mm

SAR (1g) = 0.168 W/kg; SAR (10g) = 0.067 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

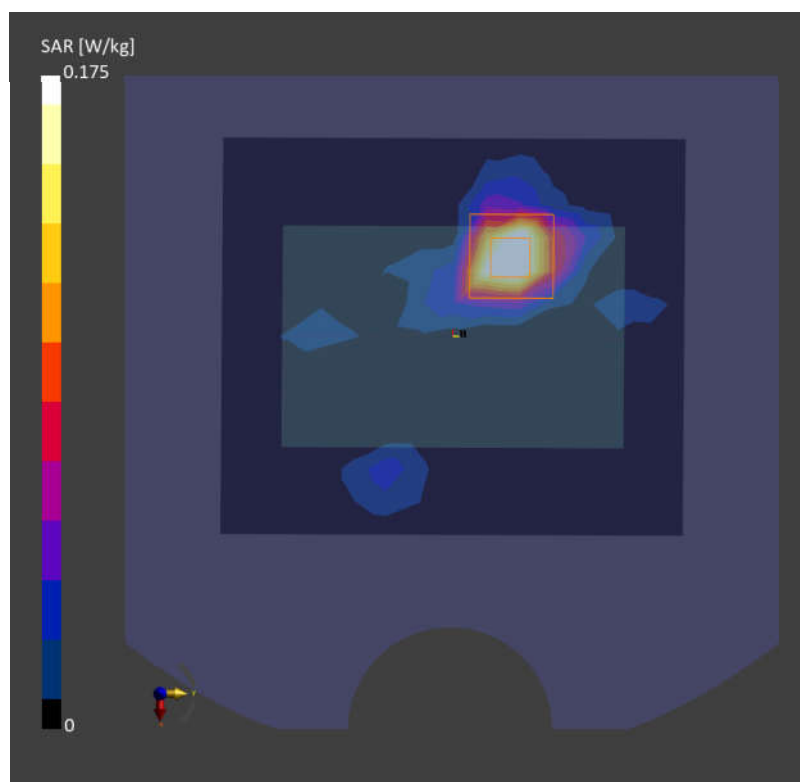
Power Drift = -0.05 dB

SAR (1g) = 0.175 W/kg; SAR (10g) = 0.068 W/kg

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

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

psAPD (4.0cm<sup>2</sup>, sq) = 1.33 [W/m<sup>2</sup>]



Date: 2024-12-20

**03\_WLAN6GHz\_802.11ax-HE160 MCS0\_Right Side\_0mm\_Ch111**

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

Frequency: 6505.000MHz; Duty Cycle: 1:1

Medium: HSL Medium parameters used:  $f = 6505.000$  MHz;  $\sigma = 6.17$  S/m;  $\epsilon_r = 34.5$

Ambient Temperature: 23.4°C; Liquid Temperature: 22.8°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, 10755-AAC

**Area Scan (51.0 mm x 119.0 mm):** Measurement Grid: 8.5 mm x 8.5 mm

SAR (1g) = 0.764 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

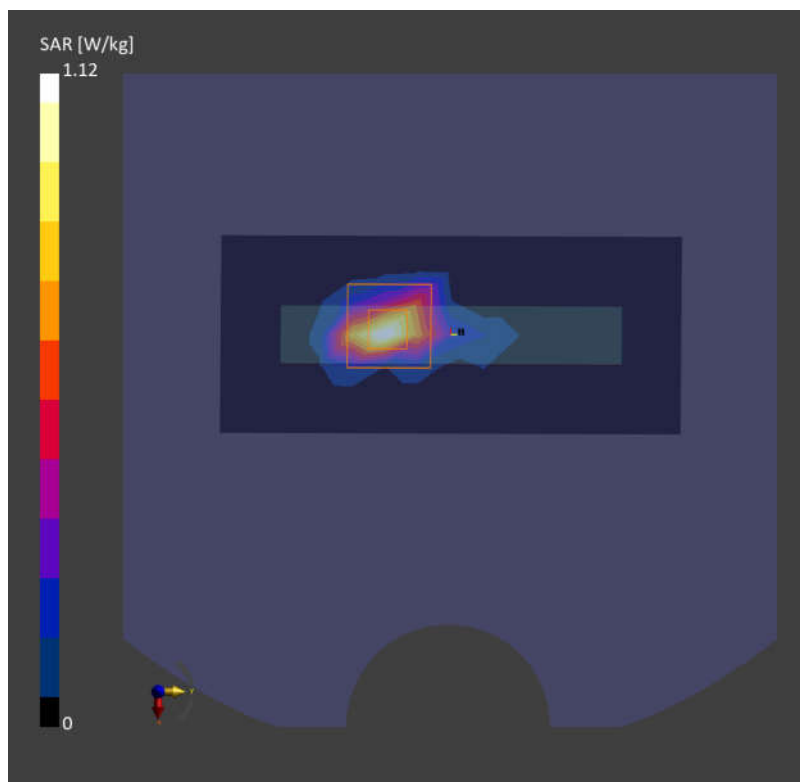
Power Drift = 0.07 dB

SAR (1g) = 1.12 W/kg; SAR (10g) = 0.278 W/kg

Smallest distance from peaks to all points 3 dB below = 3.5 mm

Ratio of SAR at M2 to SAR at M1 = 44.6 %

psAPD (4.0cm<sup>2</sup>, sq) = 6.45 [W/m<sup>2</sup>]



01\_WLAN6GHz\_802.11ax-HE160 MCS0\_Right Side\_2mm\_Ch15

Device Under Test Properties

| Model, Manufacturer | Dimensions [mm]    | IMEI | DUT Type |
|---------------------|--------------------|------|----------|
| Device,             | 87.0 x 58.0 x 15.0 |      | Phone    |

Exposure Conditions

| Phantom Section | Position, Test Distance [mm] | Band    | Group, UID      | Frequency [MHz], Channel Number | Conversion Factor |
|-----------------|------------------------------|---------|-----------------|---------------------------------|-------------------|
| 5G              | EDGE RIGHT, 2.00             | U-NII-5 | WLAN, 10755-AAC | 6025.0, 15                      | 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                         | 2024-12-31 |
| Avg. Area [cm <sup>2</sup> ] | 4.00       |
| psPDn+ [W/m <sup>2</sup> ]   | 3.01       |
| psPDtot+ [W/m <sup>2</sup> ] | 3.41       |
| psPDmod+ [W/m <sup>2</sup> ] | 6.25       |
| E <sub>max</sub> [V/m]       | 83.1       |
| Power Drift [dB]             | 0.18       |

