

Date: 2024-02-09

#01_WLAN6GHz_802.11ax-HE160 MCS0_Back_10mm_Ch143

Communication System: 802.11ax ; Frequency: 6665.000 MHz

Medium: HSL_6500_240209 Medium parameters used: $f = 6665.000$ MHz; $\sigma = 6.33$ S/m; $\epsilon_r = 34.8$

Ambient Temperature: 23.4°C; Liquid Temperature: 22.4°C

DASY8 Configuration:

- Probe: EX3DV4 - SN3925; ConvF(5.35, 5.35, 5.35); Calibrated: 2023-04-25
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn703; Calibrated: 2023-05-16
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2055; Section: Flat
- Measurement Software: 16.2.4.2524
- UID: WLAN, 10755-AAC

Area Scan (119.0 mm x 187.0 mm): Measurement Grid: 8.5 mm x 8.5 mm

SAR (1g) = 0.145 W/kg; SAR (10g) = 0.046 W/kg;

Zoom Scan (23.8 mm x 23.8 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) = 0.011 W/kg; SAR (8g) = 0.004 W/kg; SAR (10g) = 0.003 W/kg

Smallest distance from peaks to all points 3 dB below = 3.4 mm

Ratio of SAR at M2 to SAR at M1 = 58.4 %

psAPD (1.0cm², sq) = 0.106 [W/m²]; psAPD (4.0cm², sq) = 0.071 [W/m²]**Zoom Scan (23.8 mm x 23.8 mm x 22.0 mm):** Measurement Grid: 3.4 mm x 3.4 mm x 1.4 mm

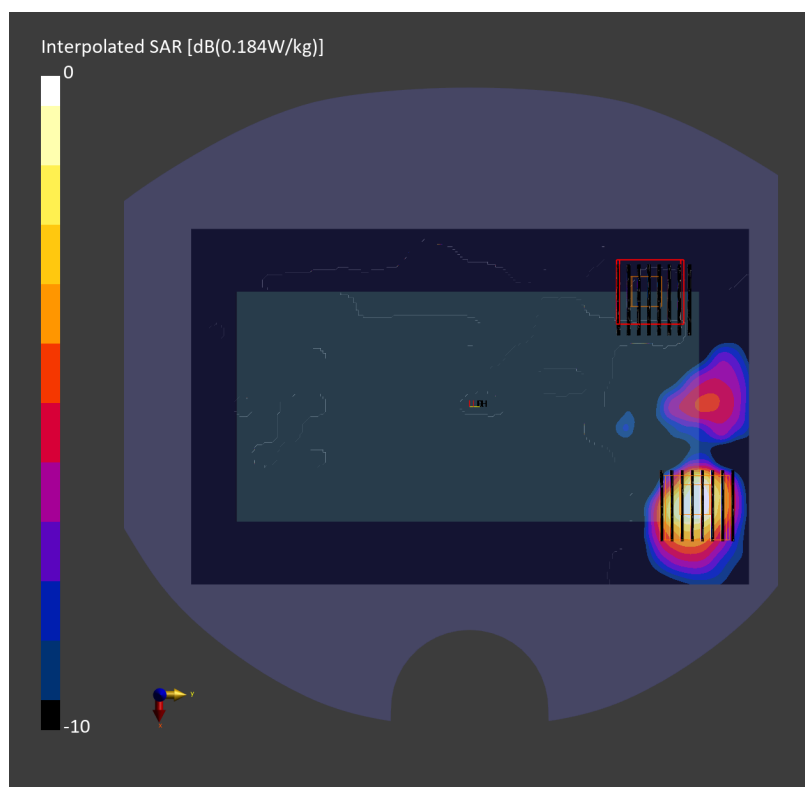
Power Drift = 0.04 dB

SAR (1g) = 0.148 W/kg; SAR (8g) = 0.054 W/kg; SAR (10g) = 0.047 W/kg

Smallest distance from peaks to all points 3 dB below = 7.3 mm

Ratio of SAR at M2 to SAR at M1 = 54.1 %

psAPD (1.0cm², sq) = 1.48 [W/m²]; psAPD (4.0cm², sq) = 1.07 [W/m²]



Measurement Report for Device #02

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	Software Version	DUT Type
Device,	155.0 x 77.0 x 10.0	3.2.0.1840	Phone

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Frequency [MHz]	Conversion Factor
5G	EDGE TOP, 10.00	6665.0	1.0

Hardware Setup

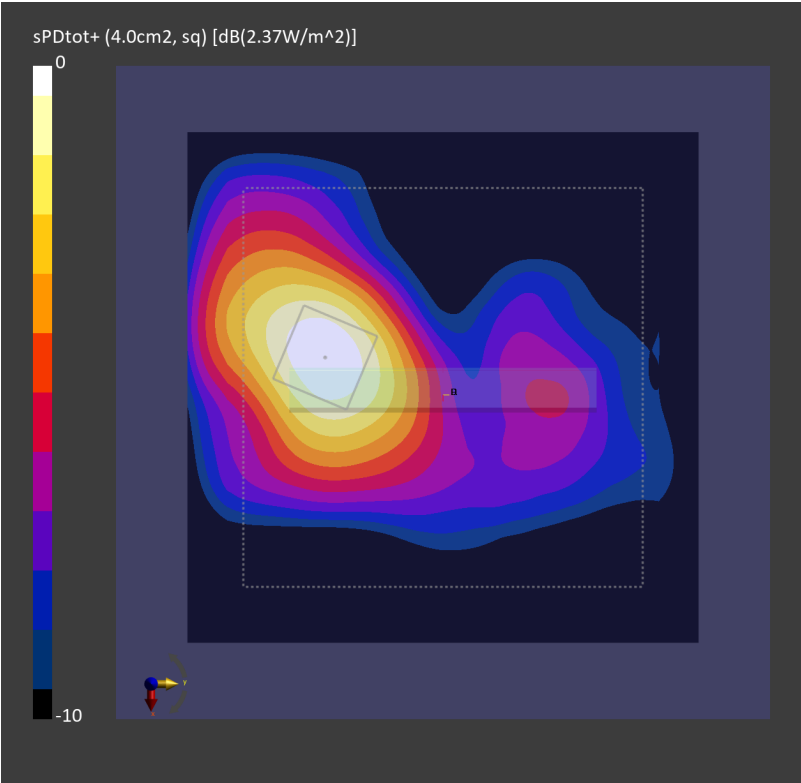
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave – xxxx	Air –	EUmmWV3 – SN9424_F1–55GHz, 2024–03–12	DAE4 Sn703, 2024–04–22

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	120.0 x 120.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	10.0

Measurement Results

Date	2024–09–26
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	2.17
psPDtot+ [W/m ²]	2.37
H _{max} [A/m]	0.103
E _{max} [V/m]	34.0
max _(Stot) [W/m ²]	2.93
Power Drift [dB]	0.07
IPDn	3.58



Date: 2024-12-27

#03_WLAN6GHz_802.11ax-HE160 MCS0_Top Side_10mm_Ch15

Communication System: 802.11ax; Frequency: 6025.000 MHz

Medium: HSL_6G_241227 Medium parameters used: $f = 6025.000$ MHz; $\sigma = 5.59$ S/m; $\epsilon_r = 35.7$

Ambient Temperature: 23.3°C; Liquid Temperature: 22.3°C

DASY8 Configuration:

- Probe: EX3DV4 - SN3925; ConvF(5.35, 5.35, 5.35); Calibrated: 2024-04-24
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1311; Calibrated: 2024-09-16
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2055; Section: Flat
- Measurement Software: 16.2.4.2524
- UID: WLAN, 10755-AAC

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

SAR (1g) = 0.157 W/kg; SAR (10g) = 0.051 W/kg;

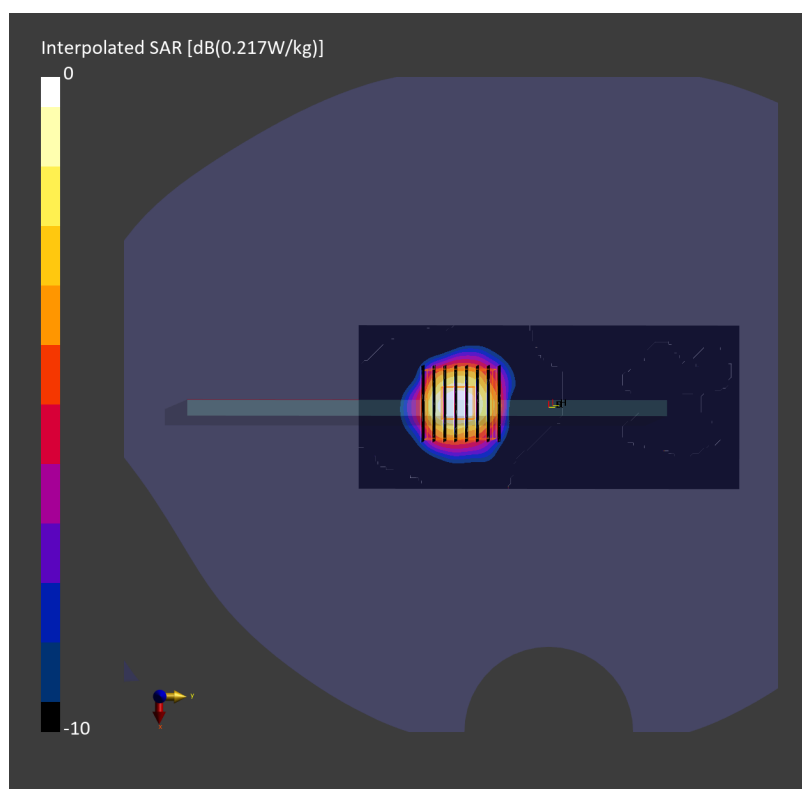
Zoom Scan (23.8 mm x 23.8 mm x 22.0 mm): Measurement Grid: 3.4 mm x 3.4 mm x 1.4 mm

Power Drift = -0.01 dB

SAR (1g) = 0.173 W/kg; SAR (8g) = 0.063 W/kg; SAR (10g) = 0.055 W/kg

Smallest distance from peaks to all points 3 dB below = 8.3 mm

Ratio of SAR at M2 to SAR at M1 = 54.9 %

psAPD (1.0cm², sq) = 1.73 [W/m²]; psAPD (4.0cm², sq) = 1.26 [W/m²]

Measurement Report for Device #04

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	Software Version	DUT Type
Device,	155.0 x 150.0 x 5.0	3.2.0.1840	Phone

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Frequency [MHz]	Conversion Factor
5G	BACK, 10.00	6025.0	1.0

Hardware Setup

Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave – xxxx	Air –	EUmmWV3 – SN9424_F1–55GHz, 2024–03–12	DAE4 Sn703, 2024–04–22

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	100.0 x 100.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	10.0

Measurement Results

Date	2024–09–26
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	1.65
psPDtot+ [W/m ²]	1.76
H _{max} [A/m]	0.102
E _{max} [V/m]	36.0
max _(Stot) [W/m ²]	2.89
Power Drift [dB]	0.01
IPDn	6.06

