

Date: 2024-08-25

#1_WLAN6GHz_802.11ax-HE80 MCS0_Top Side_10mm_Ch7

Communication System: IEEE 802.11ax; Frequency: 5985.000 MHz

Medium: HSL_6500_240825 Medium parameters used: $f = 5985.000$ MHz; $\sigma = 5.23$ S/m; $\epsilon_r = 36.3$

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

DASY8 Configuration:

- Probe: EX3DV4 - SN7813; ConvF(5.11, 5.24, 5.77); Calibrated: 2024-05-30
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1805; Calibrated: 2024-05-22
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2127; Section: Flat
- Measurement Software: 16.2.4.2524
- UID: WLAN, 10719-AAC

Area Scan (54.0 mm x 120.0 mm): Measurement Grid: 9.0 mm x 10.0 mm

SAR (1g) = 0.114 W/kg; SAR (10g) = 0.043 W/kg;

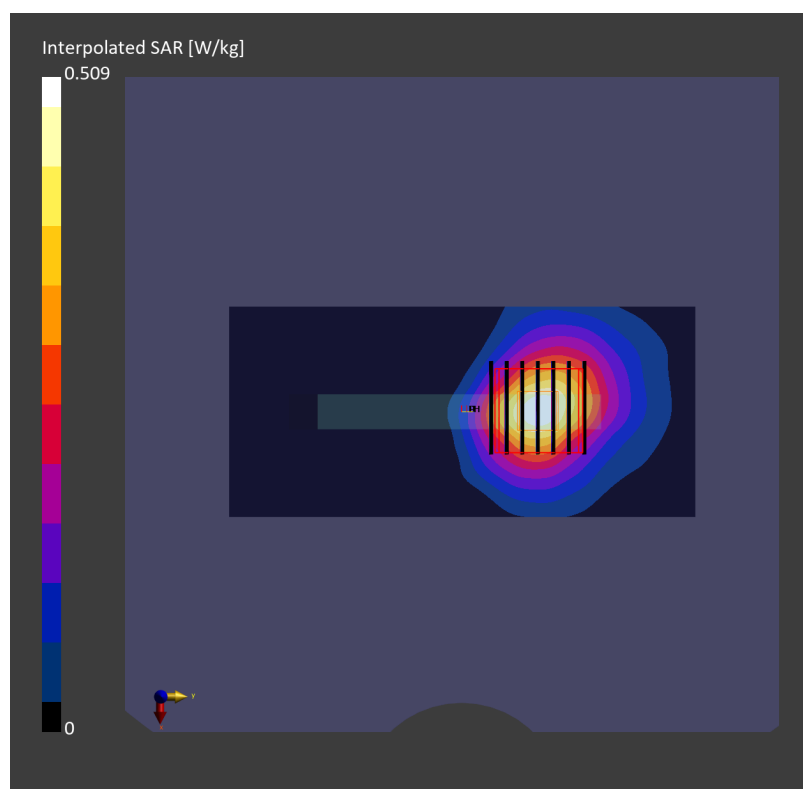
Zoom Scan (22.0 mm x 22.0 mm x 22.0 mm): Measurement Grid: 4.0 mm x 4.0 mm x 1.4 mm

Power Drift = -0.11 dB

SAR (1g) = 0.121 W/kg; SAR (8g) = 0.049 W/kg; SAR (10g) = 0.043 W/kg

Smallest distance from peaks to all points 3 dB below = 11.4 mm

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

psAPD (1.0cm², sq) = 1.21 [W/m²]; psAPD (4.0cm², sq) = 0.977 [W/m²]

Measurement Report for Device
Device Under Test Properties

#2 Model, Manufacturer	Dimensions [mm]	Software Version	DUT Type
Device,	155.0 x 73.0 x 9.0	3.2.0.1840	Phone

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Frequency [MHz]	Conversion Factor
5G	BACK, 10.00	5985.0	1.0

Hardware Setup

Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave – 1044	Air –	EUmmWV4 – SN9461_F1–55GHz, 2023–10–12	DAE4 Sn1697, 2023–11–20

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	120.0 x 90.0
Grid Steps [lambda]	0.0625 x 0.0625
Sensor Surface [mm]	10.0

Measurement Results

Date	2024-08-22
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	1.25
psPDtot+ [W/m ²]	1.32
H _{max} [A/m]	0.083
E _{max} [V/m]	27.2
max _(Stot) [W/m ²]	1.95
Power Drift [dB]	0.11
IPDn	3.33

