

#117_WLAN5GHz_802.11n-HT40 MCS0_Right Side_0mm_Ch54

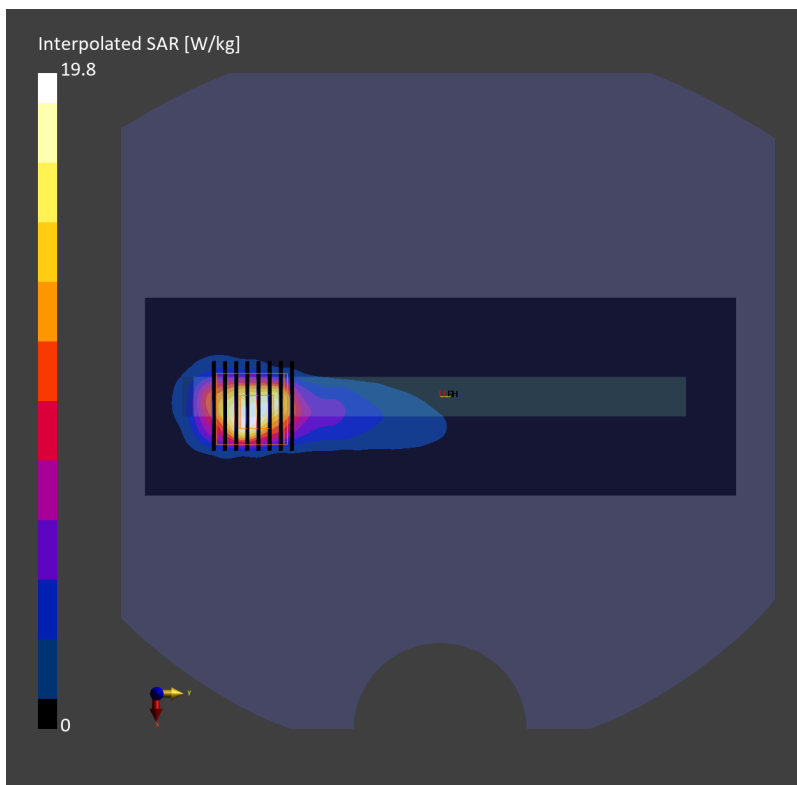
Communication System: 802.11n; Frequency: 5270.000 MHz; Duty Cycle: 1:1.033
Medium: HSL_5G_230602 Medium parameters used: $f= 5270.000$ MHz; $\sigma= 4.61$ S/m; $\epsilon_r = 35.4$
Ambient Temperature: 23.2°C; Liquid Temperature: 22.2°C

DASY6 Configuration:

- Probe: EX3DV4 - SN7625; ConvF(5.5, 5.5, 5.5); Calibrated: 2023-01-26
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn656; Calibrated: 2023-01-23
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2079_For Gap; Section: Flat
- Measurement Software: 16.2.4.2524
- UID: WLAN, 10599-AAD

Area Scan (60.0 mm x 180.0 mm): Measurement Grid: 10.0 mm x 10.0 mm
SAR (1g) = 3.06 W/kg; SAR (10g) = 1.05 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) = 4.79 W/kg; SAR (8g) = 1.53 W/kg; SAR (10g) = 1.32 W/kg
Smallest distance from peaks to all points 3 dB below = 4.8 mm
Ratio of SAR at M2 to SAR at M1 = 63.7 %



#118_WLAN5GHz_802.11ac-VHT80 MCS0_Left Side_0mm_Ch122

Communication System: 802.11ac; Frequency: 5610.000 MHz; Duty Cycle: 1:1.088
Medium: HSL_5G_230604 Medium parameters used: $f= 5610.000$ MHz; $\sigma= 5.00$ S/m; $\epsilon_r = 35.0$
Ambient Temperature: 23.2°C; Liquid Temperature: 22.2°C

DASY6 Configuration:

- Probe: EX3DV4 - SN7625; ConvF(4.88, 4.88, 4.88); Calibrated: 2023-01-26
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn656; Calibrated: 2023-01-23
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2079_For Gap; Section: Flat
- Measurement Software: 16.2.4.2524
- UID: WLAN, 10544-AAD

Area Scan (60.0 mm x 180.0 mm): Measurement Grid: 10.0 mm x 10.0 mm

SAR (1g) = 3.25 W/kg; SAR (10g) = 0.839 W/kg;

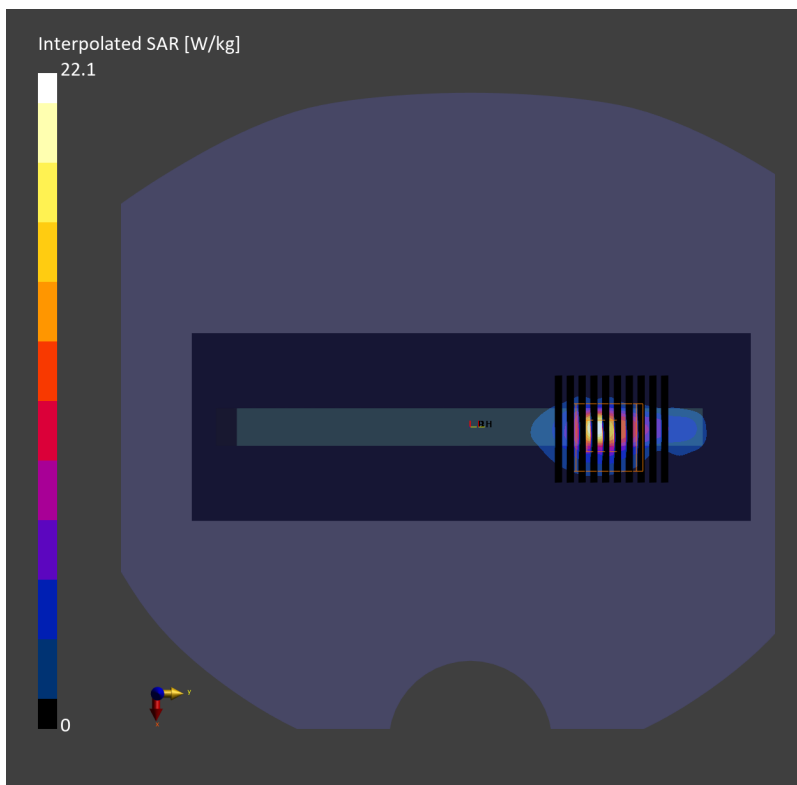
Zoom Scan (22.0 mm x 22.0 mm x 22.0 mm): Measurement Grid: 3.8 mm x 3.8 mm x 1.4 mm

Power Drift = -0.15 dB

SAR (1g) = 4.29 W/kg; SAR (8g) = 1.19 W/kg; SAR (10g) = 1.01 W/kg

Smallest distance from peaks to all points 3 dB below = 3.1 mm

Ratio of SAR at M2 to SAR at M1 = 62.4 %



#119_WLAN5GHz_802.11a 6Mbps_Front_0mm_Ch173

Communication System: 802.11a; Frequency: 5865.000 MHz; Duty Cycle: 1:1.070
Medium: HSL_5G_230602 Medium parameters used: $f = 5865.000$ MHz; $\sigma = 5.29$ S/m; $\epsilon_r = 34.3$
Ambient Temperature: 23.2°C; Liquid Temperature: 22.2°C

DASY6 Configuration:

- Probe: EX3DV4 - SN7625; ConvF(4.81, 4.81, 4.81); Calibrated: 2023-01-26
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn656; Calibrated: 2023-01-23
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2079_For Gap; Section: Flat
- Measurement Software: 16.2.4.2524
- UID: WLAN, 10417-AAD

Area Scan (120.0 mm x 200.0 mm): Measurement Grid: 10.0 mm x 10.0 mm

SAR (1g) = 4.96 W/kg; SAR (10g) = 1.46 W/kg;

Zoom Scan (22.0 mm x 22.0 mm x 22.0 mm): Measurement Grid: 2.3 mm x 2.3 mm x 1.2 mm

Power Drift = -0.09 dB

SAR (1g) = 6.68 W/kg; SAR (8g) = 2.23 W/kg; SAR (10g) = 1.93 W/kg

Smallest distance from peaks to all points 3 dB below = 4.2 mm

Ratio of SAR at M2 to SAR at M1 = 58.5 %

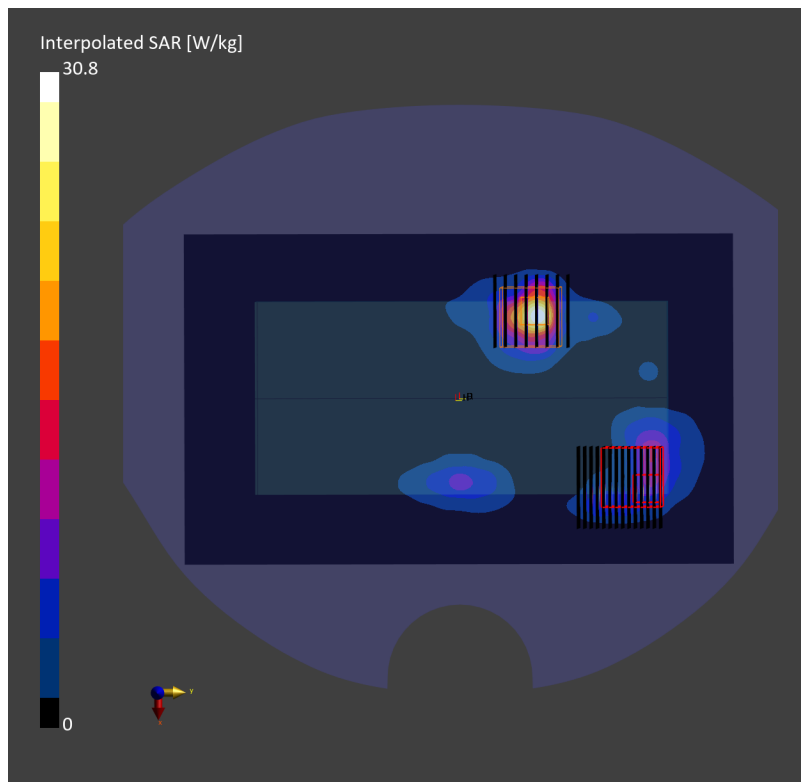
Zoom Scan (22.0 mm x 22.0 mm x 22.0 mm): Measurement Grid: 2.3 mm x 2.3 mm x 1.2 mm

Power Drift = -0.09 dB

SAR (1g) = 2.54 W/kg; SAR (8g) = 1.02 W/kg; SAR (10g) = 0.925 W/kg

Smallest distance from peaks to all points 3 dB below = 4.2 mm

Ratio of SAR at M2 to SAR at M1 = 58.5 %



#120_WLAN6GHz_802.11ax-HE160 MCS0_Front_0mm_Ch111

Communication System: 802.11ax; Frequency: 6505.000 MHz; Duty Cycle: 1:1.161
Medium: HSL_6G_230515 Medium parameters used: $f=6505.000$ MHz; $\sigma=6.15$ S/m; $\epsilon_r=34.7$
Ambient Temperature: 23.5°C; Liquid Temperature: 22.5°C

DASY6 Configuration:

- Probe: EX3DV4 - SN7700; ConvF(5.6, 5.6, 5.6); Calibrated: 2023-01-24
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1697; Calibrated: 2022-12-15
- Phantom: Twin-SAM V4.0 (30deg probe tilt); Serial: 1488; Section: Flat
- Measurement Software: 16.2.4.2448
- UID: WLAN, 10554-AAE

Area Scan (102.0 mm x 187.0 mm): Measurement Grid: 8.5 mm x 8.5 mm

SAR (1g) = 1.10 W/kg; SAR (10g) = 0.311 W/kg;

Zoom Scan (22.0 mm x 22.0 mm x 22.0 mm): Measurement Grid: 2.2 mm x 2.2 mm x 1.2 mm

Power Drift = 0.02 dB

SAR (1g) = 1.35 W/kg; SAR (8g) = 0.388 W/kg; SAR (10g) = 0.328 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 52.9 %

psAPD (1.0cm², sq) = 13.5 [W/m²]; psAPD (4.0cm², sq) = 7.76 [W/m²]

Zoom Scan (22.0 mm x 22.0 mm x 22.0 mm): Measurement Grid: 2.2 mm x 2.2 mm x 1.2 mm

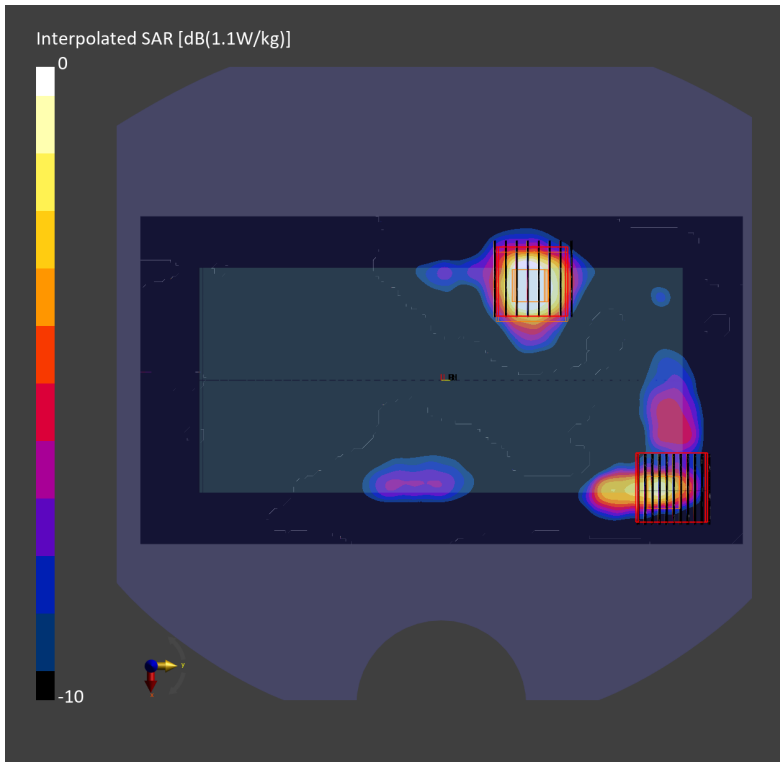
Power Drift = 0.02 dB

SAR (1g) = 0.549 W/kg; SAR (8g) = 0.147 W/kg; SAR (10g) = 0.123 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 52.9 %

psAPD (1.0cm², sq) = 5.49 [W/m²]; psAPD (4.0cm², sq) = 2.94 [W/m²]



121_NFC_Back_0mm

Communication System: NFC; Frequency: 13.56 MHz; Duty Cycle: 1:1

Medium: HSL_13_230601 Medium parameters used : $f = 13.56$ MHz; $\sigma = 0.728$ S/m; $\epsilon_r = 54.443$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3931; ConvF(18.52, 18.52, 18.52) @ 13.56 MHz; Calibrated: 2022/10/31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1696; Calibrated: 2022/11/9
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP-1079
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.511 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.62 V/m; Power Drift = -0.12 dB

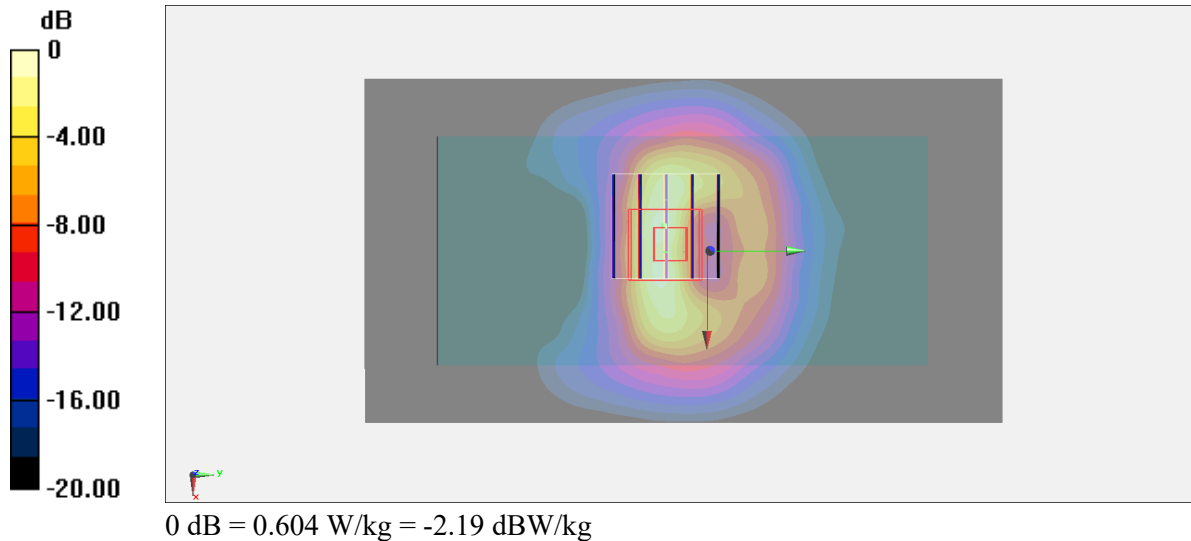
Peak SAR (extrapolated) = 1.05 W/kg

SAR(1 g) = 0.322 W/kg; SAR(10 g) = 0.128 W/kg

Smallest distance from peaks to all points 3 dB below = 4.8 mm

Ratio of SAR at M2 to SAR at M1 = 33.2%

Maximum value of SAR (measured) = 0.604 W/kg



Device Under Test Properties

#122_WLAN6GHz_802.11ax-HE160	Dimensions [mm]	IMEI	DUT Type
MCS0_Left Side_2mm_Ch143	150.0 x 70.0 x 10.0		Phone

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Frequency [MHz]	Conversion Factor
5G	EDGE LEFT, 2.00	6665.0	1.0

Hardware Setup

Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1044	Air -	EUmmWV4 - SN9461_F1-55GHz, 2022-10-25	DAE4 Sn1697, 2022-12-15

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	50.0 x 110.0
Grid Steps [lambda]	0.0625 x 0.0625
Sensor Surface [mm]	2.0

Measurement Results

Date	2023-05-15
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	3.04
psPDtot+ [W/m ²]	3.59
H _{max} [A/m]	0.151
E _{max} [V/m]	59.5
max(Stot) [W/m ²]	5.48
Power Drift [dB]	-0.00

