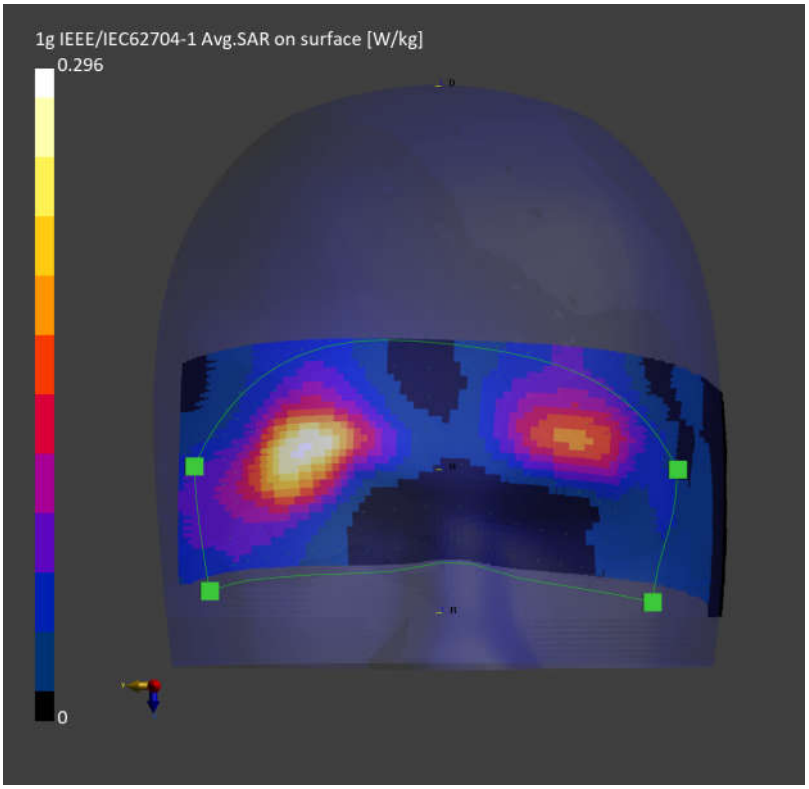
Date: 2024-05-16

01_WLAN2.4GHz_802.11b 1Mbps_Inner Surface_0mm_Ch6

Communication System: WLAN2.4GHz; Frequency: 2437.000
Medium: HSL. Medium parameters used: f= 2437.000 MHz; σ= 1.81 S/m; ε_r = 39.3
Ambient Temperature: 23.2°C; Liquid Temperature: 22.9°C

DASY6 Configuration:
- Probe: EX3DV4 - SN7630; ConvF(7.32, 7.39, 7.01); Calibrated: 2023-06-02
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1338; Calibrated: 2024-03-18
- Phantom: SAM-HeadStand V10.0; Serial: 1103
- Measurement Software: cDASY6 V6.6.0.13926

Zoom Scan (30.0 mm x 30.0 mm x 30.0 mm): Measurement Grid: 5.0 mm x 5.0 mm x 5.0 mm; Graded Ratio:1.5
Power Drift = 0.01 dB
SAR (1g) = 0.296 W/kg; SAR (10g) = 0.139 W/kg;
Smallest distance from peaks to all points 3dB below is 9.3 mm
Ratio of SAR at M2 to SAR at M1 = 70.1 %



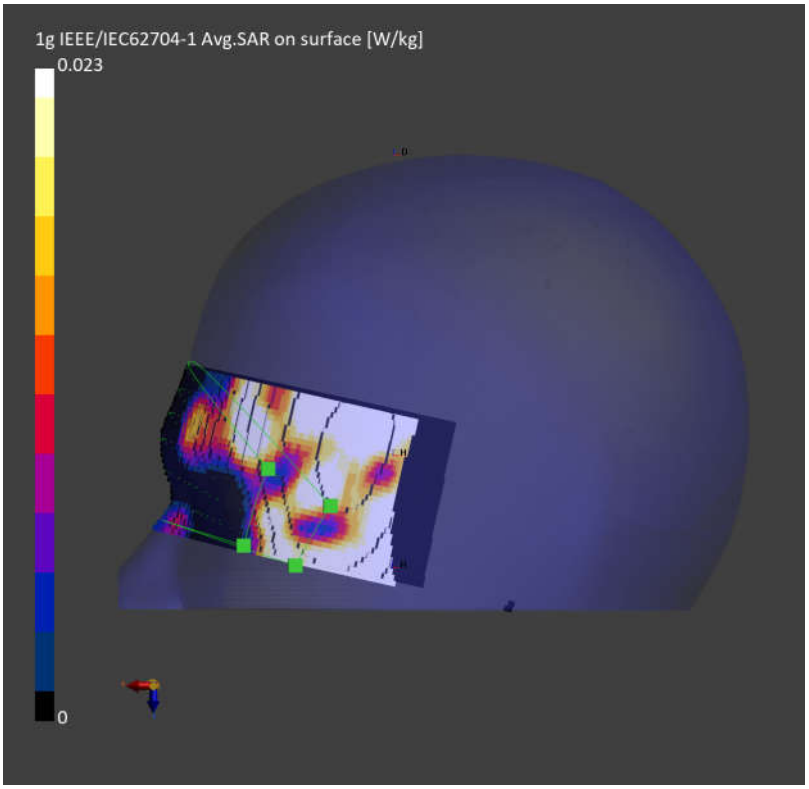
Date: 2024-05-16

02_NRF_Inner Surface_0mm_Ch19

Communication System:ISM 2.4 GHz Band; Frequency: 2440.000
Medium: HSL. Medium parameters used: f= 2440.000 MHz; σ= 1.81 S/m; ε_r = 39.3
Ambient Temperature: 23.2°C; Liquid Temperature: 22.9°C

DASY6 Configuration:
- Probe: EX3DV4 - SN7630; ConvF(7.32, 7.39, 7.01); Calibrated: 2023-06-02
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1338; Calibrated: 2024-03-18
- Phantom: SAM-HeadStand V10.0; Serial: 1103
- Measurement Software: cDASY6 V6.6.0.13926

Zoom Scan (30.0 mm x 30.0 mm x 30.0 mm): Measurement Grid: 5.0 mm x 5.0 mm x 1.5 mm; Graded Ratio:1.5
Power Drift = 0.07 dB
SAR (1g) = 0.023 W/kg; SAR (10g) = 0.005 W/kg;
Smallest distance from peaks to all points 3dB below is 2.0 mm
Ratio of SAR at M2 to SAR at M1 = 52.0 %



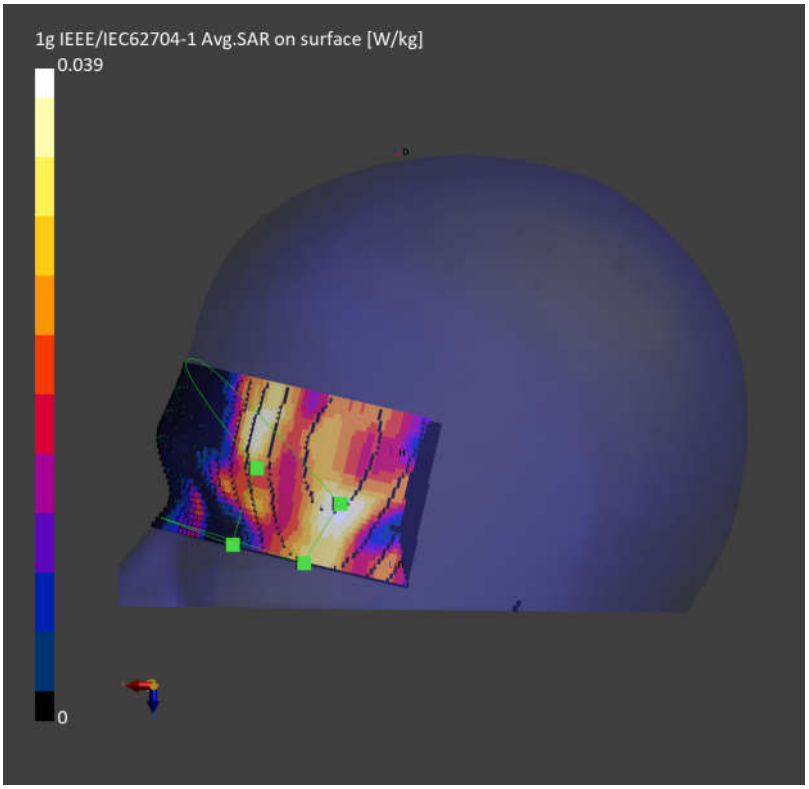
Date: 2024-05-16

03_Bluetooth_1Mbps_Inner Surface_0mm_Ch39

Communication System:ISM 2.4 GHz Band; Frequency: 2441.000
Medium: HSL. Medium parameters used: f= 2441.000 MHz; σ= 1.81 S/m; ε_r = 39.3
Ambient Temperature: 23.2°C; Liquid Temperature: 22.9°C

DASY6 Configuration:
- Probe: EX3DV4 - SN7630; ConvF(7.32, 7.39, 7.01); Calibrated: 2023-06-02
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1338; Calibrated: 2024-03-18
- Phantom: SAM-HeadStand V10.0; Serial: 1103
- Measurement Software: cDASY6 V6.6.0.13926

Zoom Scan (30.0 mm x 30.0 mm x 30.0 mm): Measurement Grid: 5.0 mm x 5.0 mm x 1.5 mm; Graded Ratio:1.5
Power Drift = 0.01 dB
SAR (1g) = 0.039 W/kg; SAR (10g) = 0.028 W/kg;
Smallest distance from peaks to all points 3dB below is 1.5 mm
Ratio of SAR at M2 to SAR at M1 = 93.0 %



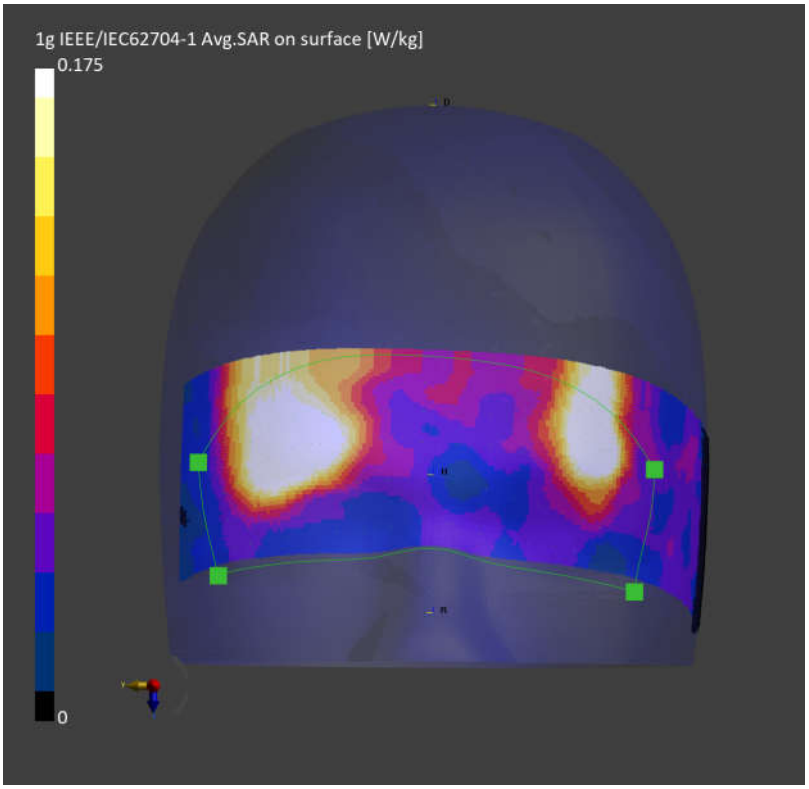
Date: 2024-05-14

04_WLAN5GHz_802.11n-HT20 MCS0_Inner Surface_0mm_Ch60

Communication System: WLAN5GHz; Frequency: 5300.000
Medium: HSL. Medium parameters used: f= 5300.000 MHz; σ= 4.61 S/m; ε_r = 34.9
Ambient Temperature: 23.1°C; Liquid Temperature: 22.8°C

DASY6 Configuration:
- Probe: EX3DV4 - SN7630; ConvF(5.98, 6.03, 5.81); Calibrated: 2023-06-02
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1338; Calibrated: 2024-03-18
- Phantom: SAM-HeadStand V10.0; Serial: 1103
- Measurement Software: cDASY6 V6.6.0.13926

Zoom Scan (24.0 mm x 24.0 mm x 22.0 mm): Measurement Grid: 4.0 mm x 4.0 mm x 1.4 mm; Graded Ratio:1.4
Power Drift = 0.01 dB
SAR (1g) = 0.175 W/kg; SAR (10g) = 0.075 W/kg;
Smallest distance from peaks to all points 3dB below is 2.3 mm
Ratio of SAR at M2 to SAR at M1 = 81.1 %



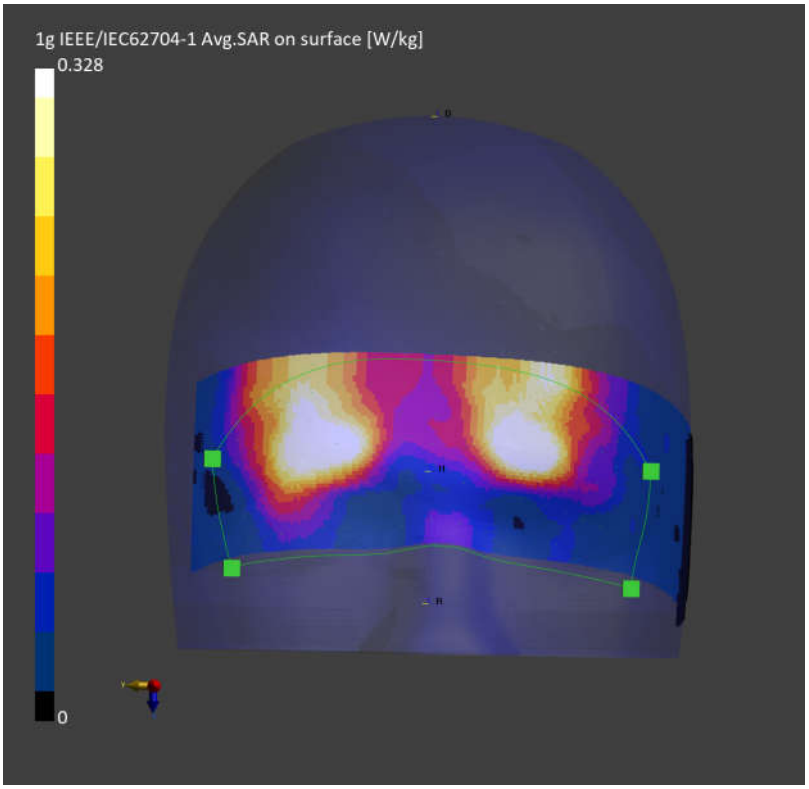
Date: 2024-05-14

05_WLAN5GHz_802.11ac-VHT80 MCS0_Inner Surface_0mm_Ch138

Communication System: WLAN 5GHz; Frequency: 5690.000
Medium: HSL. Medium parameters used: f= 5690.000 MHz; σ= 5.05 S/m; ε_r = 34.2
Ambient Temperature: 23.1°C; Liquid Temperature: 22.8°C

DASY6 Configuration:
- Probe: EX3DV4 - SN7630; ConvF(5.31, 5.35, 5.18); Calibrated: 2023-06-02
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1338; Calibrated: 2024-03-18
- Phantom: SAM-HeadStand V10.0; Serial: 1103
- Measurement Software: cDASY6 V6.6.0.13926

Zoom Scan (24.0 mm x 24.0 mm x 22.0 mm): Measurement Grid: 4.0 mm x 4.0 mm x 1.4 mm; Graded Ratio:1.4
Power Drift = -0.14 dB
SAR (1g) = 0.328 W/kg; SAR (10g) = 0.125 W/kg;
Smallest distance from peaks to all points 3dB below is 13.2 mm
Ratio of SAR at M2 to SAR at M1 = 76.8 %



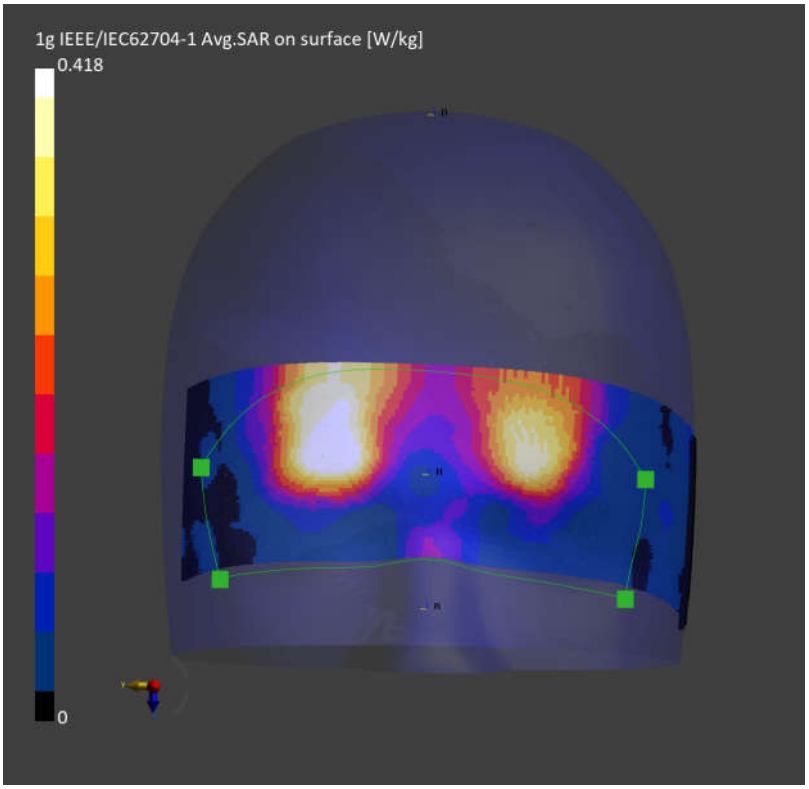
Date: 2024-05-14

06_WLAN5GHz_802.11n-HT20 MCS0_Inner Surface_0mm_Ch165

Communication System: WLAN5GHz; Frequency: 5825.000
Medium: HSL. Medium parameters used: f= 5825.000 MHz; σ= 5.20 S/m; ε_r = 34.0
Ambient Temperature: 23.1°C; Liquid Temperature: 22.8°C

DASY6 Configuration:
- Probe: EX3DV4 - SN7630; ConvF(5.31, 5.35, 5.18); Calibrated: 2023-06-02
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1338; Calibrated: 2024-03-18
- Phantom: SAM-HeadStand V10.0; Serial: 1103
- Measurement Software: cDASY6 V6.6.0.13926

Zoom Scan (24.0 mm x 24.0 mm x 22.0 mm): Measurement Grid: 4.0 mm x 4.0 mm x 1.4 mm; Graded Ratio:1.4
Power Drift = 0.02 dB
SAR (1g) = 0.418 W/kg; SAR (10g) = 0.156 W/kg;
Smallest distance from peaks to all points 3dB below is 10.6 mm
Ratio of SAR at M2 to SAR at M1 = 73.7 %



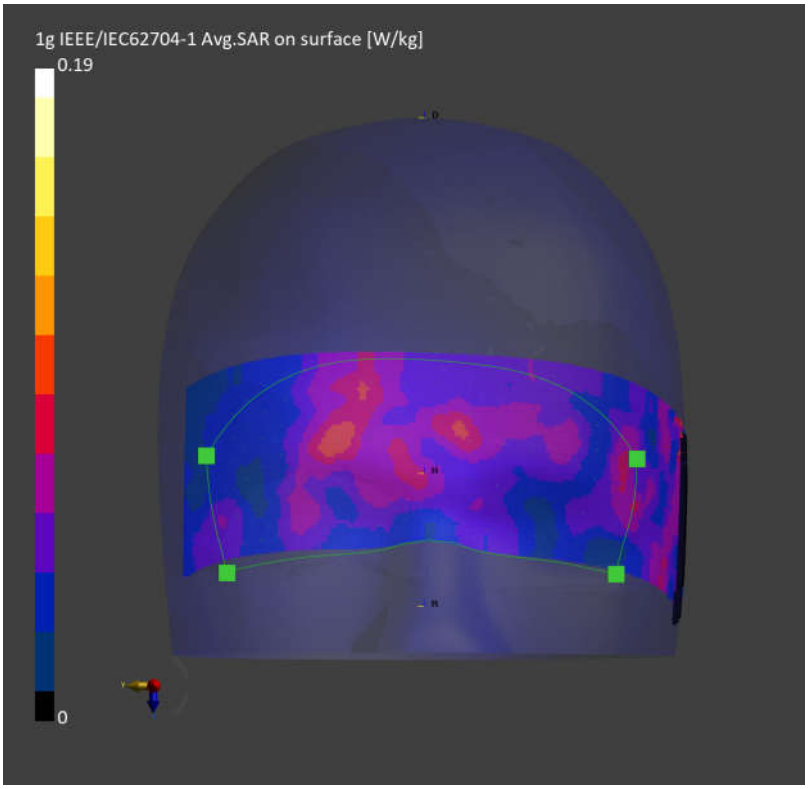
Date: 2024-05-14

07_WLAN6GHz_802.11be EHT320 MCS0_Inner Surface_0mm_Ch191

Communication System:U-NII-8; Frequency: 6905.000
Medium: HSL. Medium parameters used: f= 6905.000 MHz; σ= 6.55 S/m; ε_r = 33.8
Ambient Temperature: 23.1°C; Liquid Temperature: 22.8°C

DASY6 Configuration:
- Probe: EX3DV4 - SN7630; ConvF(5.52, 5.27, 5.37); Calibrated: 2023-06-02
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1338; Calibrated: 2024-03-18
- Phantom: SAM-HeadStand V10.0; Serial: 1103
- Measurement Software: cDASY6 V6.6.0.13926

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; Graded Ratio:1.4
Power Drift = 0.02 dB
SAR (1g) = 0.190 W/kg; SAR (10g) = 0.101 W/kg;
Smallest distance from peaks to all points 3dB below is 0.7 mm
Ratio of SAR at M2 to SAR at M1 = 65.6 %
psAPD (4.0cm2, sq) = 0.955 [W/m2]



Date: 2024-05-16

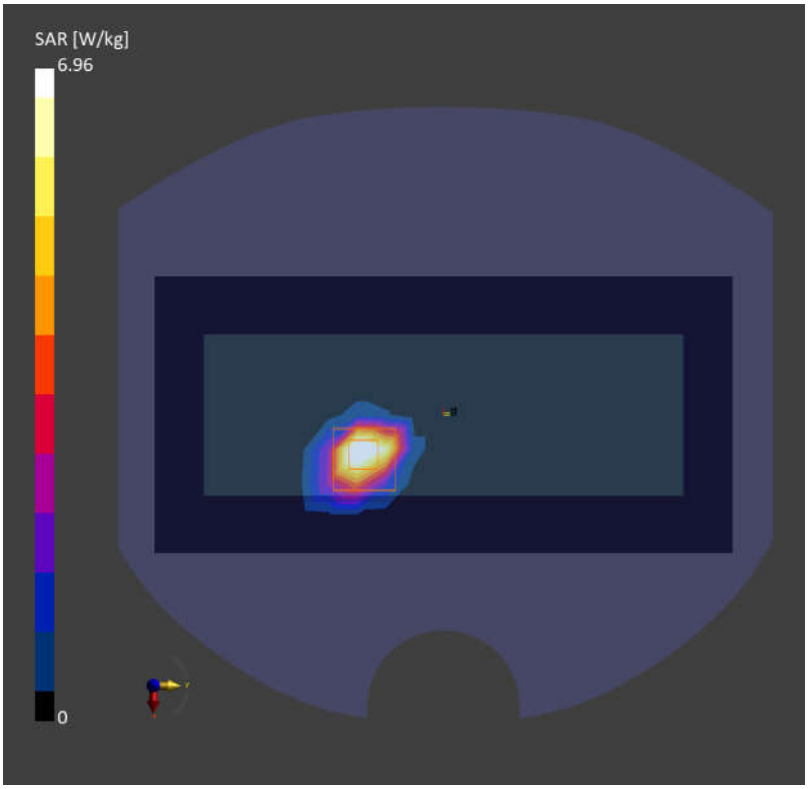
08_WLAN2.4GHz_802.11b 1Mbps_Top Side position1_0mm_Ch6

Communication System: WLAN 2.4GHz; Frequency: 2437.000
Medium: HSL. Medium parameters used: f= 2437.000 MHz; σ= 1.81 S/m; ε_r = 39.3
Ambient Temperature: 23.3°C; Liquid Temperature: 22.9°C

DASY6 Configuration:
- Probe: EX3DV4 - SN7630; ConvF(7.32, 7.39, 7.01); Calibrated: 2023-06-02
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1338; Calibrated: 2024-03-18
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2074
- Measurement Software: cDASY6 V6.6.0.13926

Area Scan (96.0 mm x 200.0 mm): Measurement Grid: 12.0 mm x 10.0 mm
SAR (1g) = 6.24 W/kg; SAR (10g) = 2.49 W/kg;

Zoom Scan (30.0 mm x 30.0 mm x 30.0 mm): Measurement Grid: 5.0 mm x 5.0 mm x 5.0 mm;
Graded Ratio:1.5
Power Drift = 0.01 dB
SAR (1g) = 6.96 W/kg; SAR (10g) = 2.46 W/kg;
Smallest distance from peaks to all points 3dB below is 6.0 mm
Ratio of SAR at M2 to SAR at M1 = 39.1 %



Date: 2024-05-16

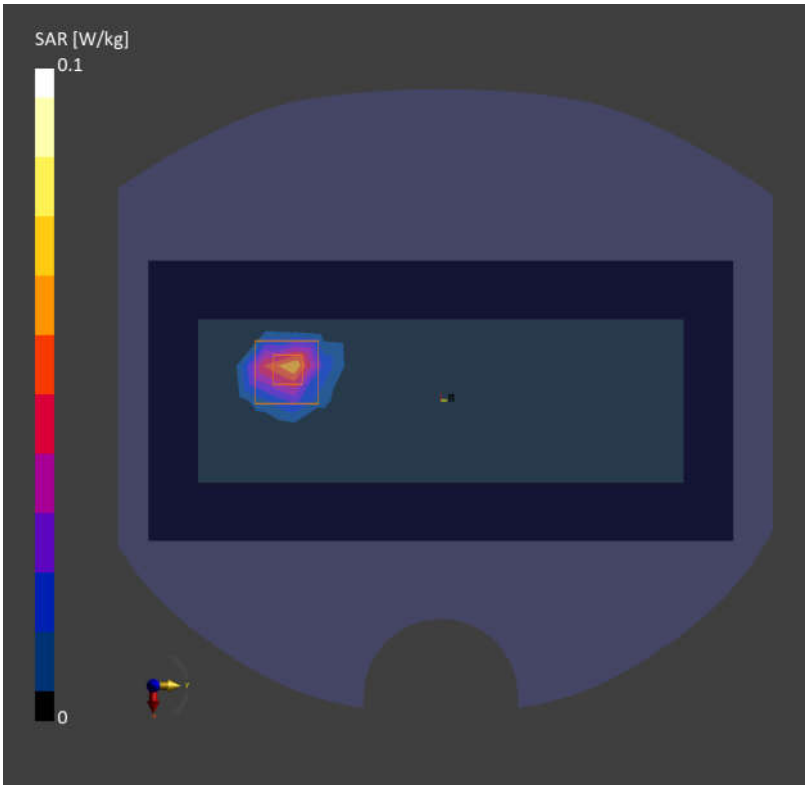
09_NRF_Bottom Side position1_0mm_Ch19

Communication System: ISM 2.4 GHz Band; Frequency: 2440.000
Medium: HSL. Medium parameters used: f= 2440.000 MHz; σ= 1.81 S/m; ε_r = 39.3
Ambient Temperature: 23.3°C; Liquid Temperature: 22.9°C

DASY6 Configuration:
- Probe: EX3DV4 - SN7630; ConvF(7.32, 7.39, 7.01); Calibrated: 2023-06-02
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1338; Calibrated: 2024-03-18
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2074
- Measurement Software: cDASY6 V6.6.0.13926

Area Scan (96.0 mm x 200.0 mm): Measurement Grid: 12.0 mm x 10.0 mm
SAR (1g) = 0.051 W/kg; SAR (10g) = 0.021 W/kg;

Zoom Scan (30.0 mm x 30.0 mm x 30.0 mm): Measurement Grid: 5.0 mm x 5.0 mm x 1.5 mm;
Graded Ratio:1.5
Power Drift = 0.05 dB
SAR (1g) = 0.055 W/kg; SAR (10g) = 0.019 W/kg;
Smallest distance from peaks to all points 3dB below is 6.1 mm
Ratio of SAR at M2 to SAR at M1 = 72.1 %



Date: 2024-05-16

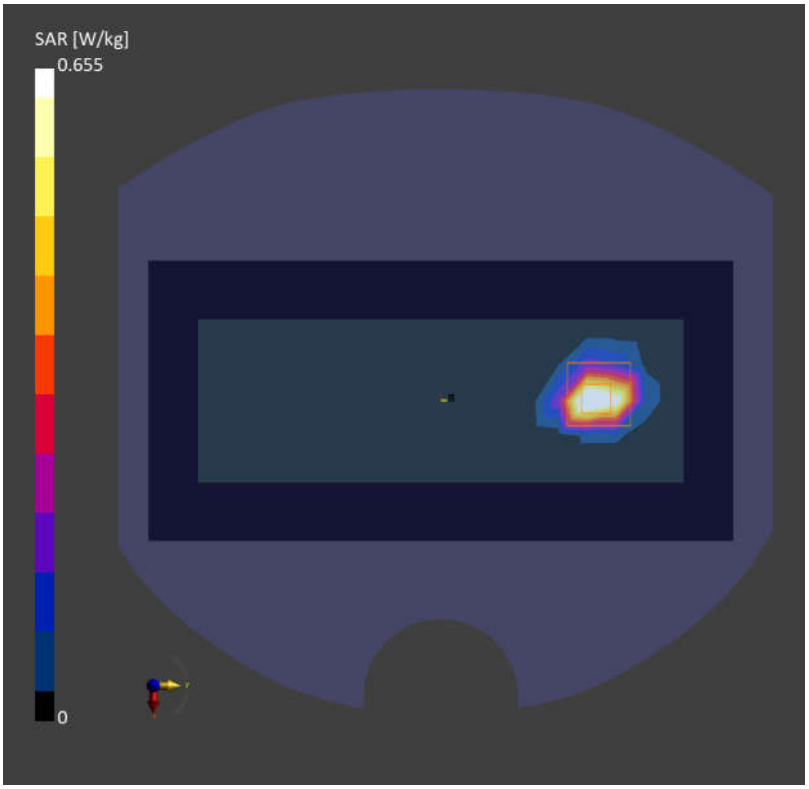
10_Bluetooth_1Mbps_Top Side position2_0mm_Ch0

Communication System: ISM 2.4 GHz Band; Frequency: 2402.000
Medium: HSL. Medium parameters used: f= 2402.000 MHz; σ= 1.78 S/m; ε_r = 39.3
Ambient Temperature: 23.3°C; Liquid Temperature: 22.9°C

DASY6 Configuration:
- Probe: EX3DV4 - SN7630; ConvF(7.32, 7.39, 7.01); Calibrated: 2023-06-02
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1338; Calibrated: 2024-03-18
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2074
- Measurement Software: cDASY6 V6.6.0.13926

Area Scan (96.0 mm x 200.0 mm): Measurement Grid: 12.0 mm x 10.0 mm
SAR (1g) = 0.587 W/kg; SAR (10g) = 0.222 W/kg;

Zoom Scan (30.0 mm x 30.0 mm x 30.0 mm): Measurement Grid: 5.0 mm x 5.0 mm x 1.5 mm;
Graded Ratio:1.5
Power Drift = -0.16 dB
SAR (1g) = 0.655 W/kg; SAR (10g) = 0.228 W/kg;
Smallest distance from peaks to all points 3dB below is 5.9 mm
Ratio of SAR at M2 to SAR at M1 = 74.8 %



Date: 2024-05-18

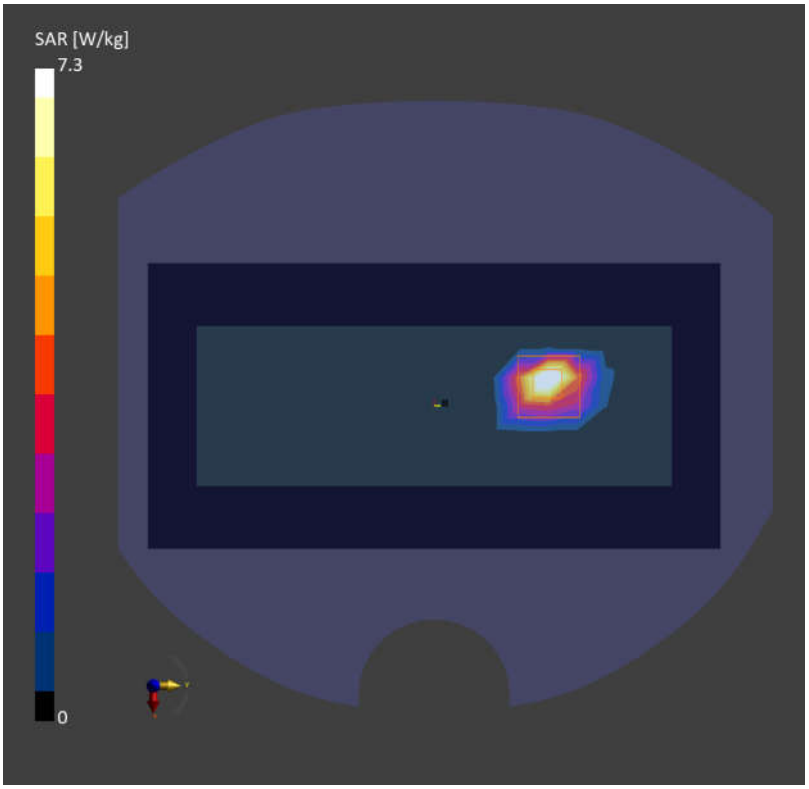
11_WLAN5GHz_802.11n-HT20 MCS0_Top Side position2_0mm_Ch52

Communication System: WLAN 5GHz; Frequency: 5260.000
Medium: HSL. Medium parameters used: f= 5260.000 MHz; σ= 4.57 S/m; ε_r = 35.0
Ambient Temperature: 23.2°C; Liquid Temperature: 22.7°C

DASY6 Configuration:
- Probe: EX3DV4 - SN7630; ConvF(5.98, 6.03, 5.81); Calibrated: 2023-06-02
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1338; Calibrated: 2024-03-18
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2074
- Measurement Software: cDASY6 V6.6.0.13926

Area Scan (100.0 mm x 200.0 mm): Measurement Grid: 10.0 mm x 10.0 mm
SAR (1g) = 5.64 W/kg; SAR (10g) = 1.71 W/kg;

Zoom Scan (24.0 mm x 24.0 mm x 22.0 mm): Measurement Grid: 4.0 mm x 4.0 mm x 1.4 mm;
Graded Ratio:1.4
Power Drift = -0.05 dB
SAR (1g) = 7.30 W/kg; SAR (10g) = 1.81 W/kg;
Smallest distance from peaks to all points 3dB below is 4.8 mm
Ratio of SAR at M2 to SAR at M1 = 67.9 %



Date: 2024-05-22

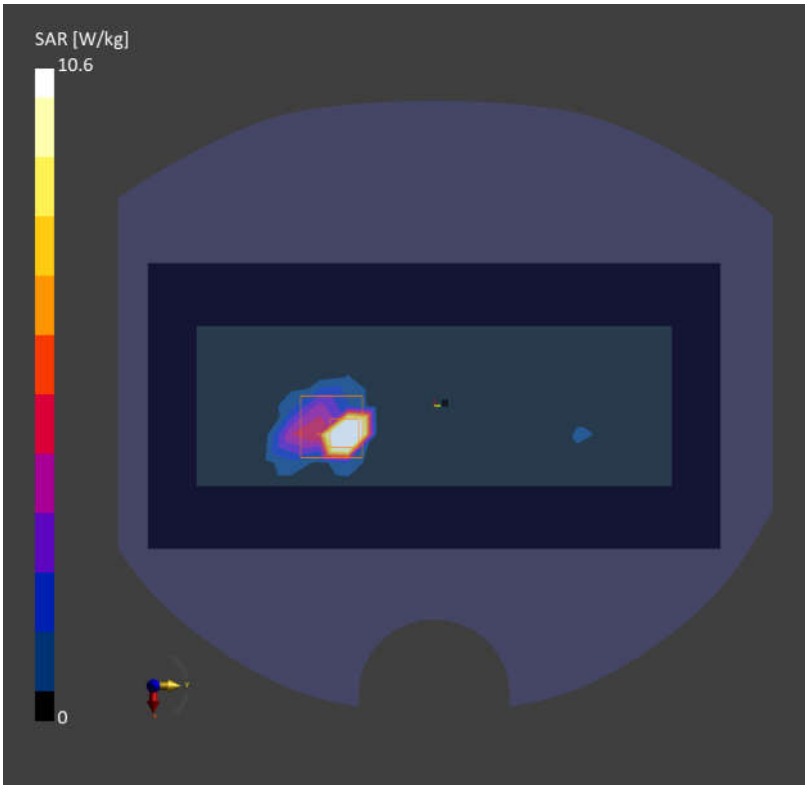
12_WLAN5GHz_802.11ac-VHT80 MCS0_Top Side position1_0mm_Ch138

Communication System: WLAN 5GHz; Frequency: 5690.000
Medium: HSL. Medium parameters used: f= 5690.000 MHz; σ= 5.05 S/m; ε_r = 34.2
Ambient Temperature: 23.2°C; Liquid Temperature: 22.8°C

DASY6 Configuration:
- Probe: EX3DV4 - SN7630; ConvF(5.31, 5.35, 5.18); Calibrated: 2023-06-02
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1338; Calibrated: 2024-03-18
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2074
- Measurement Software: cDASY6 V6.6.0.13926

Area Scan (100.0 mm x 200.0 mm): Measurement Grid: 10.0 mm x 10.0 mm
SAR (1g) = 9.53 W/kg; SAR (10g) = 2.22 W/kg;

Zoom Scan (24.0 mm x 24.0 mm x 22.0 mm): Measurement Grid: 4.0 mm x 4.0 mm x 1.4 mm;
Graded Ratio:1.4
Power Drift = -0.06 dB
SAR (1g) = 10.6 W/kg; SAR (10g) = 2.44 W/kg;
Smallest distance from peaks to all points 3dB below is 4.6 mm
Ratio of SAR at M2 to SAR at M1 = 62.8 %



Date: 2024-05-22

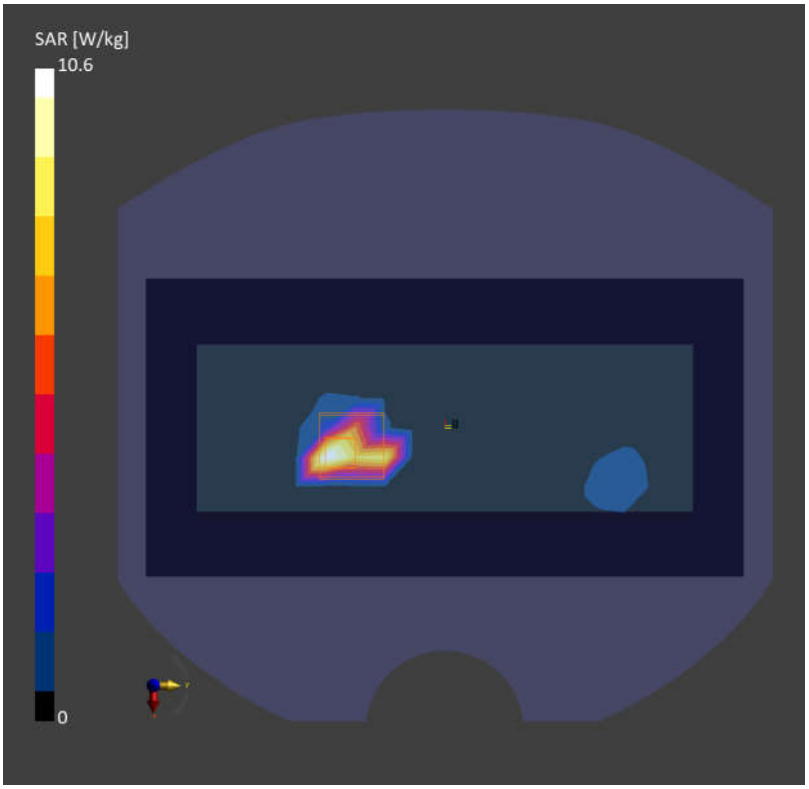
13_WLAN5GHz_802.11a 6Mbp_Top Side position1_0mm_Ch165

Communication System: WLAN 5GHz; Frequency: 5825.000
Medium: HSL. Medium parameters used: f= 5825.000 MHz; σ= 5.20 S/m; ε_r = 34.0
Ambient Temperature: 23.2°C; Liquid Temperature: 22.8°C

DASY6 Configuration:
- Probe: EX3DV4 - SN7630; ConvF(5.31, 5.35, 5.18); Calibrated: 2023-06-02
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1338; Calibrated: 2024-03-18
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2074
- Measurement Software: cDASY6 V6.6.0.13926

Area Scan (100.0 mm x 200.0 mm): Measurement Grid: 10.0 mm x 10.0 mm
SAR (1g) = 7.06 W/kg; SAR (10g) = 2.24 W/kg;

Zoom Scan (24.0 mm x 24.0 mm x 22.0 mm): Measurement Grid: 4.0 mm x 4.0 mm x 1.4 mm;
Graded Ratio:1.4
Power Drift = 0.08 dB
SAR (1g) = 10.6 W/kg; SAR (10g) = 2.55 W/kg;
Smallest distance from peaks to all points 3dB below is 4.0 mm
Ratio of SAR at M2 to SAR at M1 = 63.3 %



Date: 2024-05-24

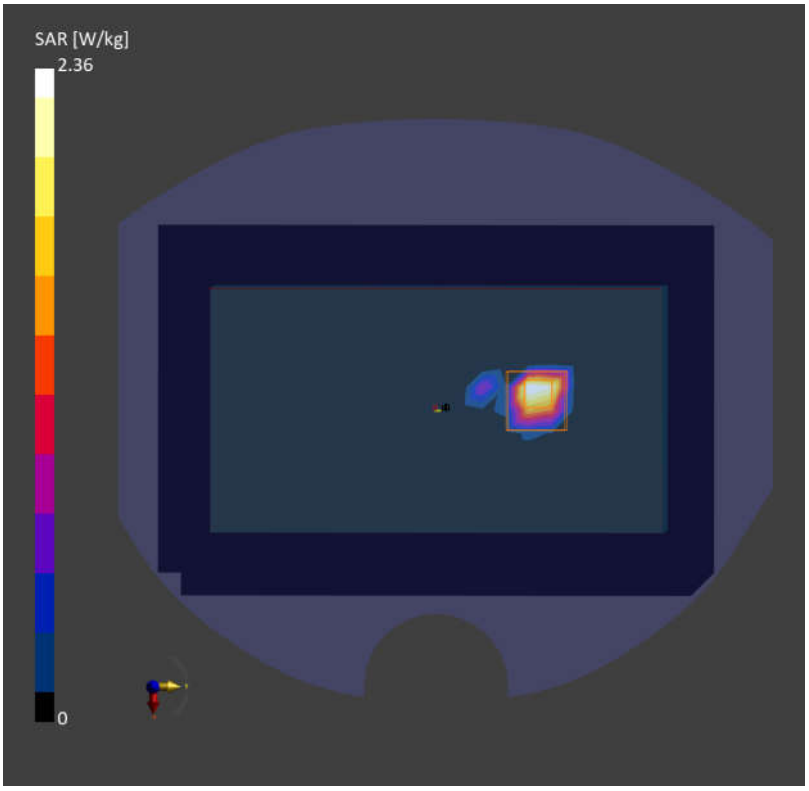
14_WLAN6GHz_802.11be EHT320 MCS0_Top Side position2_0mm_Ch191

Communication System: U-NII-8; Frequency: 6905.000
Medium: HSL. Medium parameters used: f= 6905.000 MHz; σ= 6.66 S/m; ε_r = 33.9
Ambient Temperature: 23.2°C; Liquid Temperature: 22.7°C

DASY6 Configuration:
- Probe: EX3DV4 - SN7630; ConvF(5.52, 5.27, 5.37); Calibrated: 2023-06-02
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1338; Calibrated: 2024-03-18
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2074
- Measurement Software: cDASY6 V6.6.0.13926

Area Scan (136.0 mm x 204.0 mm): Measurement Grid: 8.5 mm x 8.5 mm
SAR (1g) = 2.05 W/kg; SAR (10g) = 0.488 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;
Graded Ratio:1.4
Power Drift = 0.02 dB
SAR (1g) = 2.36 W/kg; SAR (10g) = 0.486 W/kg;
Smallest distance from peaks to all points 3dB below is 4.9 mm
Ratio of SAR at M2 to SAR at M1 = 52.1 %
psAPD (4.0cm2, sq) = 11.4[W/m2]



01_WIFI 7G_802.11be EHT320 MCS0_Top Side_2mm_CH191

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	80.0 x 165.0 x 56.0		Phone

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G	EDGE TOP, 2.00	U-NII-8	WLAN, 11013-AAA	6905.0, 191	1.0

Hardware Setup

Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1064	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	Y

Measurement Results

Scan Type	5G Scan
Date	2024-05-18
Avg. Area [cm^2]	4.00
psPDn+ [W/m^2]	2.77
psPDtot+ [W/m^2]	3.74
psPDmod+ [W/m^2]	4.80
E_{max} [V/m]	54.4
Power Drift [dB]	-0.07