Date: 2024-07-15

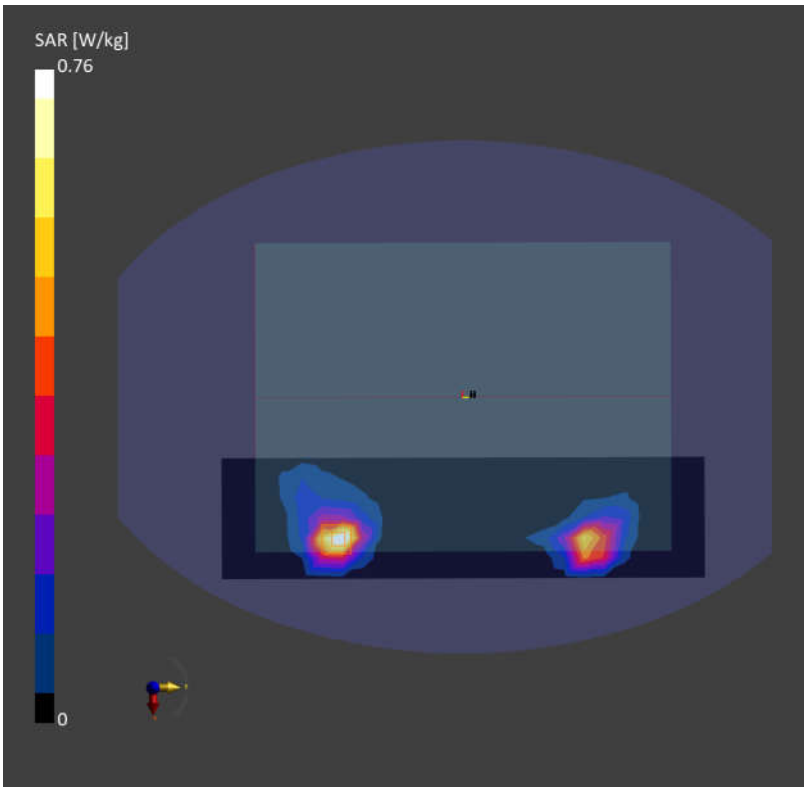
01_WLAN2.4GHz_802.11b 1Mbps_Bottom Face_0mm_Ch1

Communication System: IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps); Frequency: 2412.000 MHz; Duty Cycle: 1:1.025
Medium: Head Simulating Liquid Medium parameters used: f= 2412.000 MHz; σ= 1.74 S/m; ε_r = 39.4
Ambient Temperature: 23.3°C; Liquid Temperature: 22.8°C

DASY6 Configuration:
- Probe: EX3DV4 - SN7764; ConvF(8.03, 8.03, 8.03); Calibrated: 2023-10-05
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1303; Calibrated: 2023-11-20
- Phantom: ELI V8.0 (20deg probe tilt); Serial: 2134; Section: Flat
- Measurement Software: 16.4.0.5005
- UID: WLAN, 10012-CAB

Area Scan (90.0 mm x 360.0 mm): Measurement Grid: 12.0 mm x 12.0 mm
SAR (1g) = 0.651 W/kg; SAR (10g) = 0.322 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
Power Drift = 0.19 dB
SAR (1g) = 0.760 W/kg; SAR (10g) = 0.366 W/kg
Smallest distance from peaks to all points 3 dB below = 8.1 mm
Ratio of SAR at M2 to SAR at M1 = 80.4 %



Date: 2024-07-15

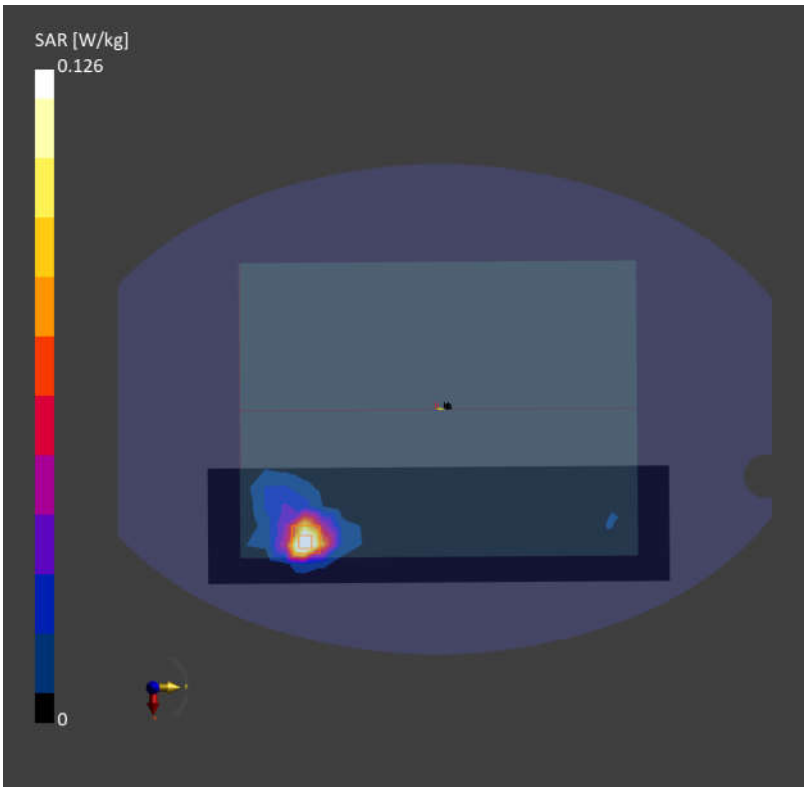
02_Bluetooth_1Mbps_Bottom Face_0mm_Ch0

Communication System: IEEE 802.15.1 Bluetooth (GFSK, DH5); Frequency: 2402.000 MHz; Duty Cycle: 1:1.302
Medium: Head Simulating Liquid Medium parameters used: f= 2402.000 MHz; σ= 1.79 S/m; ε_r = 41.0
Ambient Temperature: 23.3°C; Liquid Temperature: 22.8°C

DASY6 Configuration:
- Probe: EX3DV4 - SN7764; ConvF(8.03, 8.03, 8.03); Calibrated: 2023-10-05
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1303; Calibrated: 2023-11-20
- Phantom: ELI V8.0 (20deg probe tilt); Serial: 2134; Section: Flat
- Measurement Software: 16.4.0.5005
- UID: Bluetooth, 10032-CAA

Area Scan (90.0 mm x 350.0 mm): Measurement Grid: 12.0 mm x 12.0 mm
SAR (1g) = 0.125 W/kg; SAR (10g) = 0.059 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
Power Drift = 0.05 dB
SAR (1g) = 0.126 W/kg; SAR (10g) = 0.059 W/kg
Smallest distance from peaks to all points 3 dB below = 7.0 mm
Ratio of SAR at M2 to SAR at M1 = 77.4 %



Date: 2024-07-16

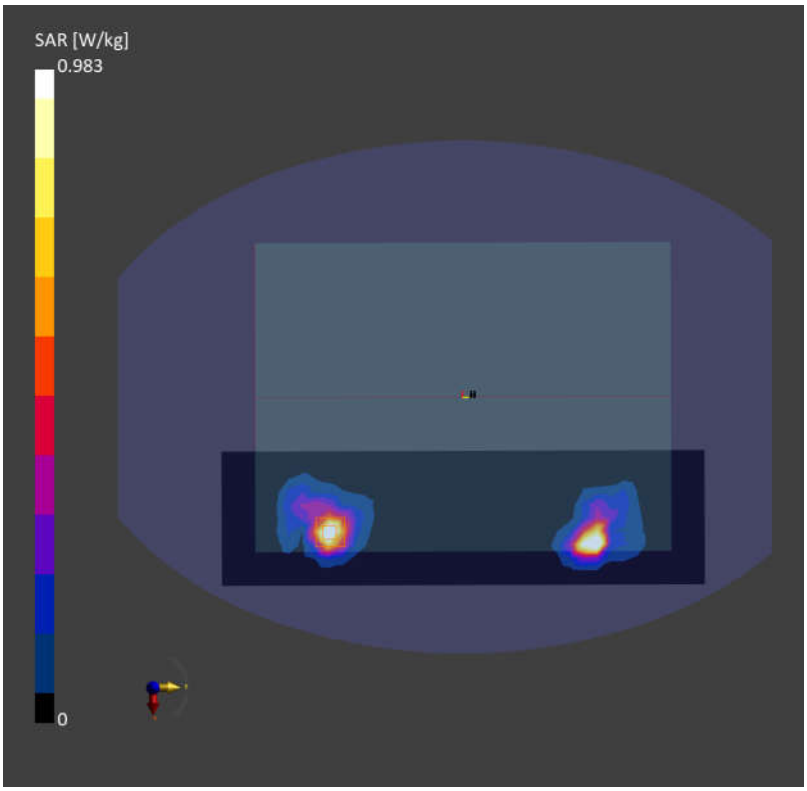
03_WLAN5GHz_802.11ac-VHT80 MCS0_Bottom Face_0mm_Ch58

Communication System: IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle); Frequency: 5290.000 MHz; Duty Cycle: 1:1
Medium: Head Simulating Liquid Medium parameters used: f= 5290.000 MHz; σ= 4.80 S/m; ε_r = 35.8
Ambient Temperature: 23.4°C; Liquid Temperature: 22.7°C

DASY6 Configuration:
- Probe: EX3DV4 - SN7764; ConvF(5.73, 5.73, 5.73); Calibrated: 2023-10-05
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1303; Calibrated: 2023-11-20
- Phantom: ELI V8.0 (20deg probe tilt); Serial: 2134; Section: Flat
- Measurement Software: 16.4.0.5005
- UID: WLAN, 10544-AAD

Area Scan (100.0 mm x 350.0 mm): Measurement Grid: 10.0 mm x 10.0 mm
SAR (1g) = 0.870 W/kg; SAR (10g) = 0.295 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 = 0.08 dB
SAR (1g) = 0.983 W/kg; SAR (10g) = 0.307 W/kg
Smallest distance from peaks to all points 3 dB below = 7.3 mm
Ratio of SAR at M2 to SAR at M1 = 69.0 %



Date: 2024-07-17

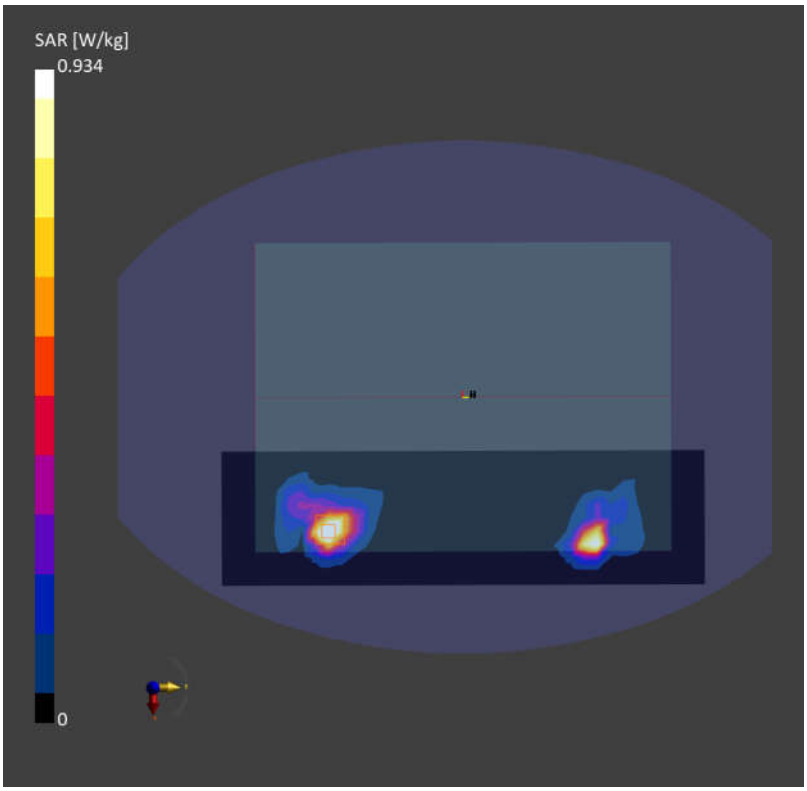
04_WLAN5GHz_802.11ac-VHT80 MCS0_Bottom Face_0mm_Ch106

Communication System: IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle); Frequency: 5530.000 MHz; Duty Cycle: 1:1
Medium: Head Simulating Liquid Medium parameters used: f= 5530.000 MHz; σ= 5.07 S/m; ε_r = 35.4
Ambient Temperature: 23.3°C; Liquid Temperature: 22.8°C

DASY6 Configuration:
- Probe: EX3DV4 - SN7764; ConvF(5.1, 5.1, 5.1); Calibrated: 2023-10-05
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1303; Calibrated: 2023-11-20
- Phantom: ELI V8.0 (20deg probe tilt); Serial: 2134; Section: Flat
- Measurement Software: 16.4.0.5005
- UID: WLAN, 10544-AAD

Area Scan (100.0 mm x 360.0 mm): Measurement Grid: 10.0 mm x 10.0 mm
SAR (1g) = 0.902 W/kg; SAR (10g) = 0.313 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 = 0.06 dB
SAR (1g) = 0.934 W/kg; SAR (10g) = 0.335 W/kg
Smallest distance from peaks to all points 3 dB below = 7.4 mm
Ratio of SAR at M2 to SAR at M1 = 67.8 %



Date: 2024-07-18

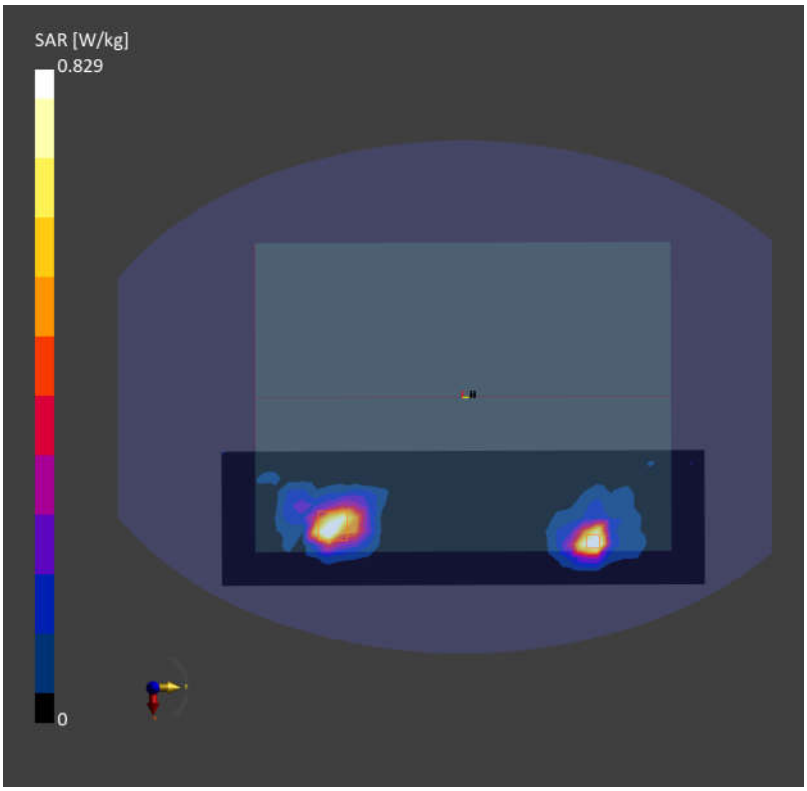
05_WLAN5GHz_802.11ac-VHT80 MCS0_Bottom Face_0mm_Ch155

Communication System: IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle); Frequency: 5775.000 MHz; Duty Cycle: 1:1
Medium: Head Simulating Liquid Medium parameters used: f= 5775.000 MHz; σ= 5.37 S/m; ε_r = 34.9
Ambient Temperature: 23.2°C; Liquid Temperature: 22.6°C

DASY6 Configuration:
- Probe: EX3DV4 - SN7764; ConvF(5.32, 5.32, 5.32); Calibrated: 2023-10-05
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1303; Calibrated: 2023-11-20
- Phantom: ELI V8.0 (20deg probe tilt); Serial: 2134; Section: Flat
- Measurement Software: 16.4.0.5005
- UID: WLAN, 10544-AAD

Area Scan (100.0 mm x 350.0 mm): Measurement Grid: 10.0 mm x 10.0 mm
SAR (1g) = 0.702 W/kg; SAR (10g) = 0.260 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 = -0.02 dB
SAR (1g) = 0.829 W/kg; SAR (10g) = 0.257 W/kg
Smallest distance from peaks to all points 3 dB below = 6.8 mm
Ratio of SAR at M2 to SAR at M1 = 65.9 %



Date: 2024-07-19

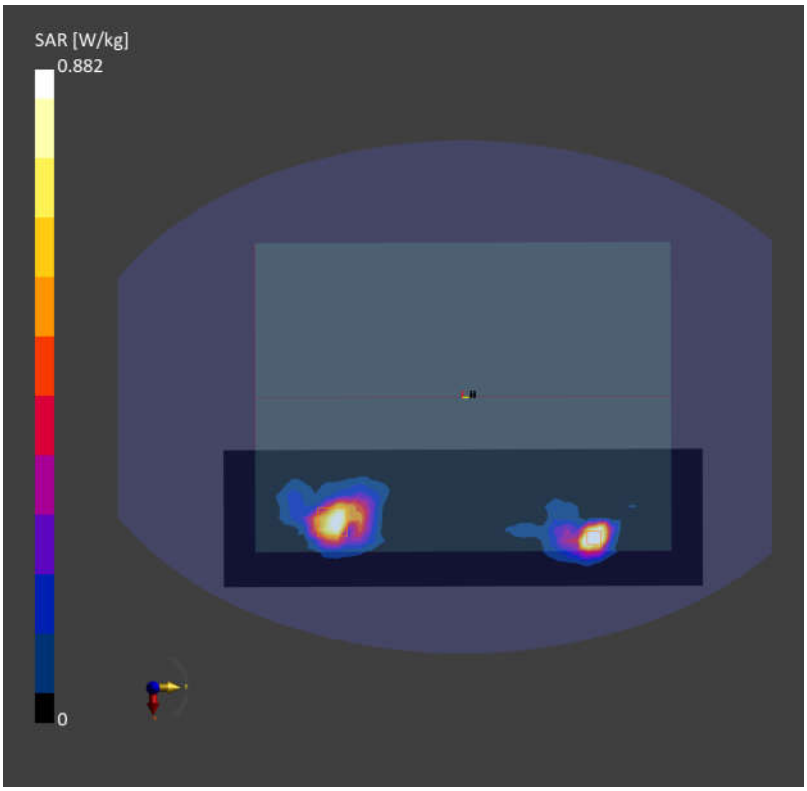
06_WLAN6GHz_802.11be-EHT320 MCS0_Bottom Face_0mm_Ch31

Communication System: IEEE 802.11be (320MHz, MCS0, 99pc duty cycle); Frequency: 6105.000 MHz; Duty Cycle: 1:1
Medium: Head Simulating Liquid Medium parameters used: f= 6105.000 MHz; σ= 5.58 S/m; ε_r = 35.2
Ambient Temperature: 23.2°C; Liquid Temperature: 22.8°C

DASY6 Configuration:
- Probe: EX3DV4 - SN7764; ConvF(5.5, 5.5, 5.5); Calibrated: 2023-10-05
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1303; Calibrated: 2023-11-20
- Phantom: ELI V8.0 (20deg probe tilt); Serial: 2134; Section: Flat
- Measurement Software: 16.4.0.5005
- UID: WLAN, 11026-AAB

Area Scan (100.0 mm x 350.0 mm): Measurement Grid: 8.5 mm x 8.5 mm
SAR (1g) = 0.848 W/kg; SAR (10g) = 0.266 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 = -0.09 dB
SAR (1g) = 0.882 W/kg; SAR (10g) = 0.268 W/kg
Smallest distance from peaks to all points 3 dB below = 8.0 mm
Ratio of SAR at M2 to SAR at M1 = 59.0 %



Date: 2024-07-15

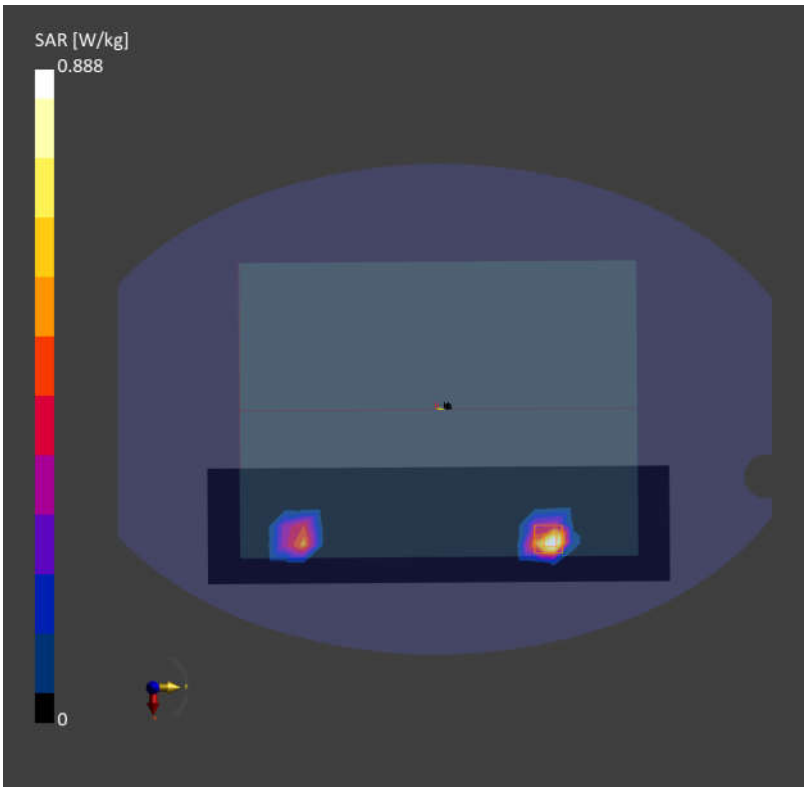
07_WLAN2.4GHz_802.11b 1Mbps_Bottom Face_0mm_Ch1

Communication System: IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps); Frequency: 2412.000 MHz; Duty Cycle: 1:1.025
Medium: Head Simulating Liquid Medium parameters used: f= 2412.000 MHz; σ= 1.74 S/m; ε_r = 39.4
Ambient Temperature: 23.3°C; Liquid Temperature: 22.8°C

DASY6 Configuration:
- Probe: EX3DV4 - SN7764; ConvF(8.03, 8.03, 8.03); Calibrated: 2023-10-05
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1303; Calibrated: 2023-11-20
- Phantom: ELI V8.0 (20deg probe tilt); Serial: 2134; Section: Flat
- Measurement Software: 16.4.0.5005
- UID: WLAN, 10012-CAB

Area Scan (90.0 mm x 350.0 mm): Measurement Grid: 12.0 mm x 12.0 mm
SAR (1g) = 0.746 W/kg; SAR (10g) = 0.332 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
Power Drift = 0.14 dB
SAR (1g) = 0.888 W/kg; SAR (10g) = 0.390 W/kg
Smallest distance from peaks to all points 3 dB below = 7.3 mm
Ratio of SAR at M2 to SAR at M1 = 82.3 %



Date: 2024-07-15

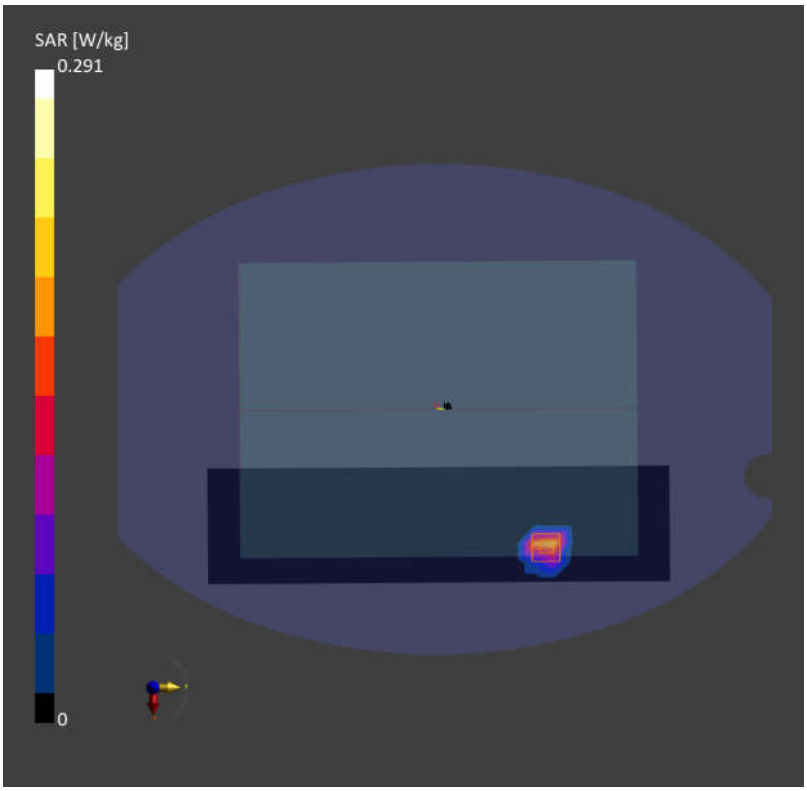
08_Bluetooth_1Mbps_Bottom Face_0mm_Ch0

Communication System: IEEE 802.15.1 Bluetooth (GFSK, DH5); Frequency: 2402.000 MHz; Duty Cycle: 1:1.302
Medium: Head Simulating Liquid Medium parameters used: f= 2402.000 MHz; σ= 1.79 S/m; ε_r = 41.0
Ambient Temperature: 23.3°C; Liquid Temperature: 22.8°C

DASY6 Configuration:
- Probe: EX3DV4 - SN7764; ConvF(8.03, 8.03, 8.03); Calibrated: 2023-10-05
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1303; Calibrated: 2023-11-20
- Phantom: ELI V8.0 (20deg probe tilt); Serial: 2134; Section: Flat
- Measurement Software: 16.4.0.5005
- UID: Bluetooth, 10032-CAA

Area Scan (90.0 mm x 350.0 mm): Measurement Grid: 12.0 mm x 12.0 mm
SAR (1g) = 0.175 W/kg; SAR (10g) = 0.081 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
Power Drift = 0.03 dB
SAR (1g) = 0.291 W/kg; SAR (10g) = 0.141 W/kg
Smallest distance from peaks to all points 3 dB below = 9.0 mm
Ratio of SAR at M2 to SAR at M1 = 82.0 %



Date: 2024-07-16

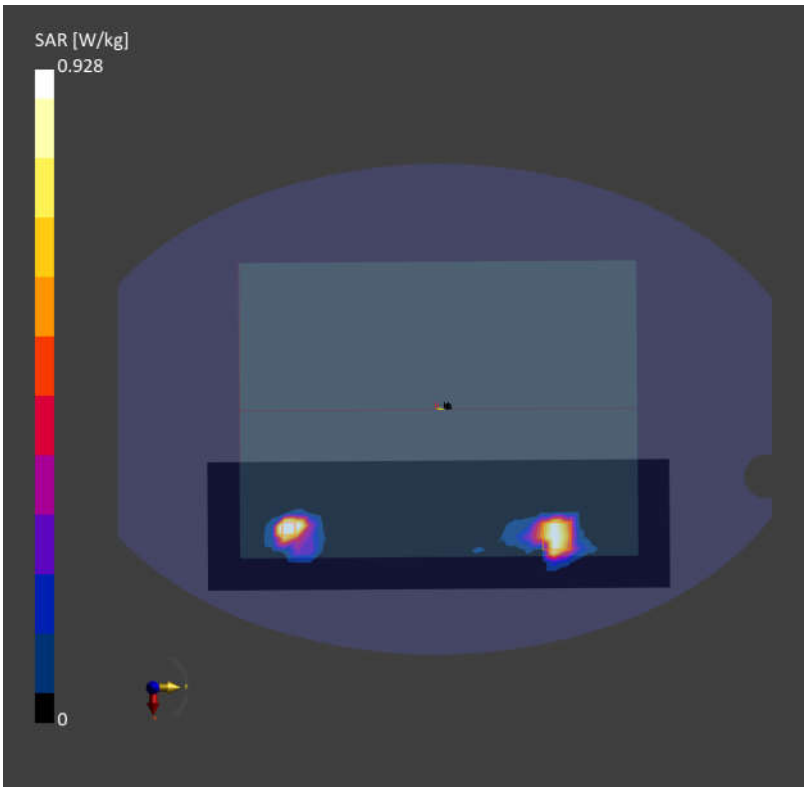
09_WLAN5GHz_802.11ac-VHT80 MCS0_Bottom Face_0mm_Ch58

Communication System: IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle); Frequency: 5290.000 MHz; Duty Cycle: 1:1
Medium: Head Simulating Liquid Medium parameters used: f= 5290.000 MHz; σ= 4.80 S/m; ε_r = 35.8
Ambient Temperature: 23.4°C; Liquid Temperature: 22.7°C

DASY6 Configuration:
- Probe: EX3DV4 - SN7764; ConvF(5.73, 5.73, 5.73); Calibrated: 2023-10-05
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1303; Calibrated: 2023-11-20
- Phantom: ELI V8.0 (20deg probe tilt); Serial: 2134; Section: Flat
- Measurement Software: 16.4.0.5005
- UID: WLAN, 10544-AAD

Area Scan (90.0 mm x 350.0 mm): Measurement Grid: 10.0 mm x 10.0 mm
SAR (1g) = 0.842 W/kg; SAR (10g) = 0.294 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 = -0.05 dB
SAR (1g) = 0.928 W/kg; SAR (10g) = 0.306 W/kg
Smallest distance from peaks to all points 3 dB below = 6.1 mm
Ratio of SAR at M2 to SAR at M1 = 74.5 %



Date: 2024-07-17

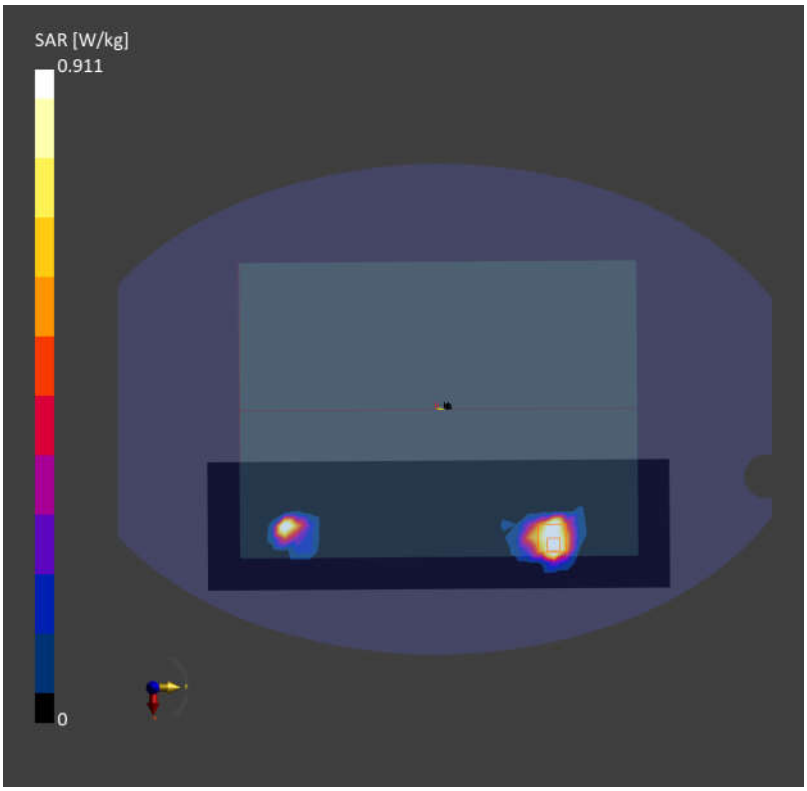
10_WLAN5GHz_802.11ac-VHT80 MCS0_Bottom Face_0mm_Ch106

Communication System: IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle); Frequency: 5530.000 MHz; Duty Cycle: 1:1
Medium: Head Simulating Liquid Medium parameters used: f= 5530.000 MHz; σ= 5.07 S/m; ε_r = 35.4
Ambient Temperature: 23.3°C; Liquid Temperature: 22.8°C

DASY6 Configuration:
- Probe: EX3DV4 - SN7764; ConvF(5.1, 5.1, 5.1); Calibrated: 2023-10-05
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1303; Calibrated: 2023-11-20
- Phantom: ELI V8.0 (20deg probe tilt); Serial: 2134; Section: Flat
- Measurement Software: 16.4.0.5005
- UID: WLAN, 10544-AAD

Area Scan (90.0 mm x 350.0 mm): Measurement Grid: 10.0 mm x 10.0 mm
SAR (1g) = 0.859 W/kg; SAR (10g) = 0.347 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 = -0.17 dB
SAR (1g) = 0.911 W/kg; SAR (10g) = 0.355 W/kg
Smallest distance from peaks to all points 3 dB below = 5.4 mm
Ratio of SAR at M2 to SAR at M1 = 73.5 %



Date: 2024-07-18

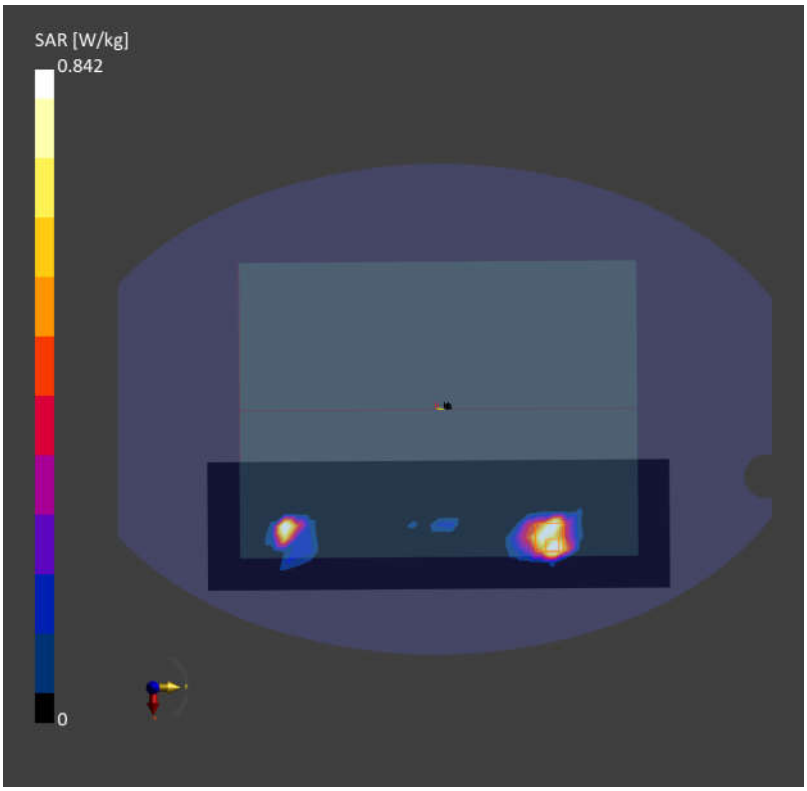
11_WLAN5GHz_802.11ac-VHT80 MCS0_Bottom Face_0mm_Ch155

Communication System: IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle); Frequency: 5775.000 MHz; Duty Cycle: 1:1
Medium: Head Simulating Liquid Medium parameters used: f= 5775.000 MHz; σ= 5.37 S/m; ε_r = 34.9
Ambient Temperature: 23.2°C; Liquid Temperature: 22.6°C

DASY6 Configuration:
- Probe: EX3DV4 - SN7764; ConvF(5.32, 5.32, 5.32); Calibrated: 2023-10-05
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1303; Calibrated: 2023-11-20
- Phantom: ELI V8.0 (20deg probe tilt); Serial: 2134; Section: Flat
- Measurement Software: 16.4.0.5005
- UID: WLAN, 10544-AAD

Area Scan (90.0 mm x 350.0 mm): Measurement Grid: 10.0 mm x 10.0 mm
SAR (1g) = 0.724 W/kg; SAR (10g) = 0.290 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 = 0.09 dB
SAR (1g) = 0.842 W/kg; SAR (10g) = 0.323 W/kg
Smallest distance from peaks to all points 3 dB below = 5.1 mm
Ratio of SAR at M2 to SAR at M1 = 68.0 %



Date: 2024-07-19

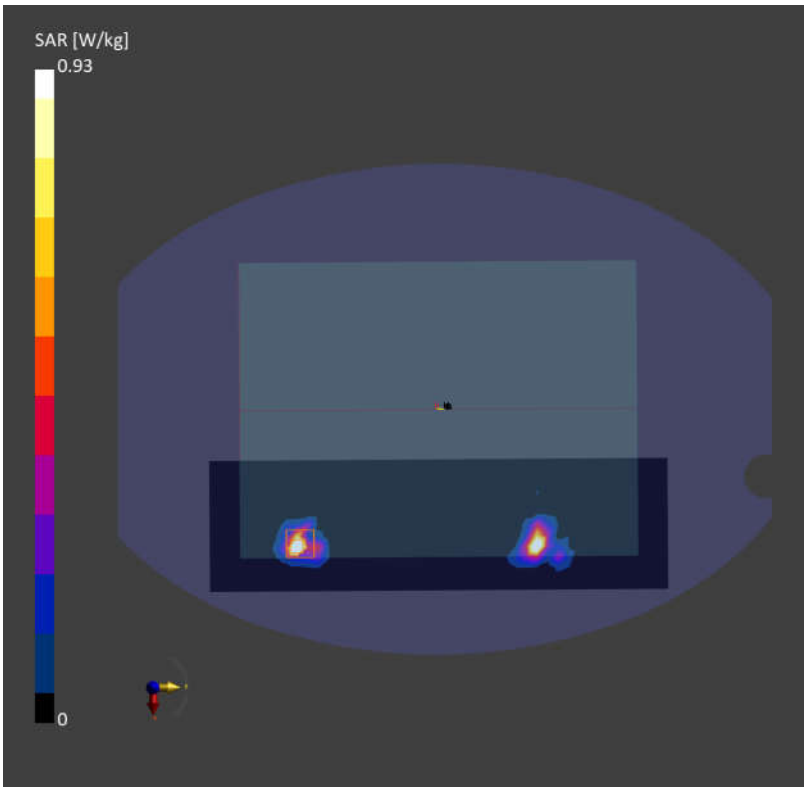
12_WLAN6GHz_802.11be-EHT320 MCS0_Bottom Face_0mm_Ch191

Communication System: IEEE 802.11be (320MHz, MCS0, 99pc duty cycle); Frequency: 6905.000 MHz; Duty Cycle: 1:1
Medium: Head Simulating Liquid Medium parameters used: f= 6905.000 MHz; σ= 6.55 S/m; ε_r = 33.8
Ambient Temperature: 23.2°C; Liquid Temperature: 22.8°C

DASY6 Configuration:
- Probe: EX3DV4 - SN7764; ConvF(5.5, 5.5, 5.5); Calibrated: 2023-10-05
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1303; Calibrated: 2023-11-20
- Phantom: ELI V8.0 (20deg probe tilt); Serial: 2134; Section: Flat
- Measurement Software: 16.4.0.5005
- UID: WLAN, 11026-AAB

Area Scan (90.0 mm x 350.0 mm): Measurement Grid: 8.5 mm x 8.5 mm
SAR (1g) = 0.908 W/kg; SAR (10g) = 0.225 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 = 0.02 dB
SAR (1g) = 0.930 W/kg; SAR (10g) = 0.228 W/kg
Smallest distance from peaks to all points 3 dB below = 5.8 mm
Ratio of SAR at M2 to SAR at M1 = 54.4 %
psAPD (4.0cm2, sq) = 5.21 [W/m2]



01_WLAN6GHz_802.11be-EHT320 MCS0_Bottom Face_2mm_Ch31

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]
Device,	312.0 x 226.0 x 8.0

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G	Bottom Face, 2.00	U-NII-5	WLAN, 11026-AAA	6105.0, 31	1.0

Hardware Setup

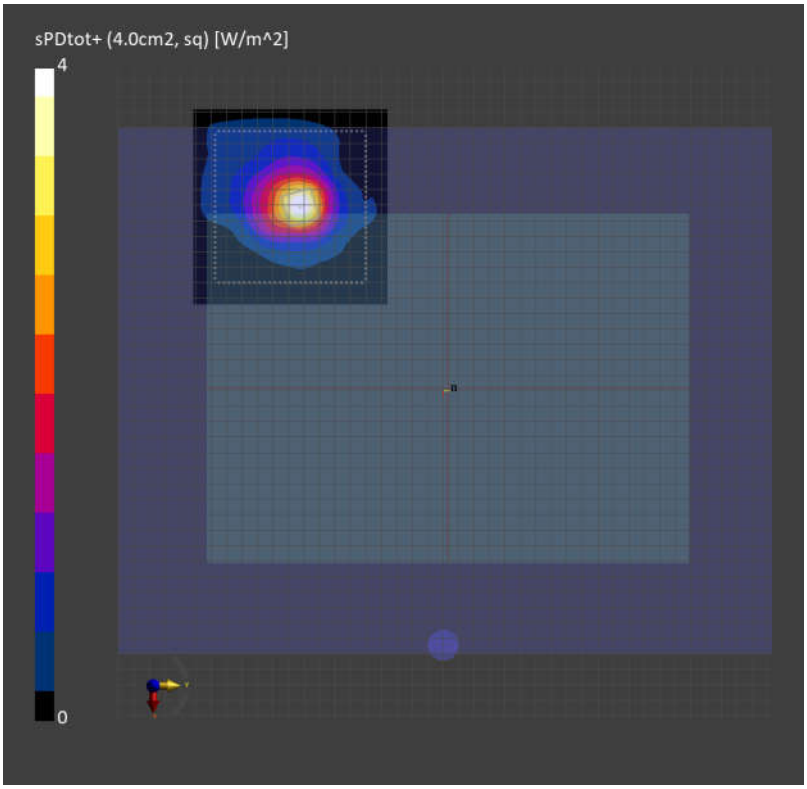
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1065	Air -	EUmmWV4 - SN9553_F1-55GHz, 2023-10-18	DAE4 Sn1303, 2023-11-20

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	N/A

Measurement Results

Scan Type	5G Scan
Date	2024-07-16
Avg. Area [cm^2]	4.00
psPDn+ [W/m^2]	3.76
psPDtot+ [W/m^2]	4.00
psPDmod+ [W/m^2]	4.89
E_{max} [V/m]	54.8
Power Drift [dB]	0.06



02_WLAN6GHz_802.11be-EHT320 MCS0_Bottom Face_2mm_Ch31

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]
Device,	312.0 x 226.0 x 8.0

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G	Bottom Face, 2.00	U-NII-5	WLAN, 11026-AAA	6105.0, 31	1.0

Hardware Setup

Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1065	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	N/A

Measurement Results

Scan Type	5G Scan
Date	2024-07-16
Avg. Area [cm^2]	4.00
psPDn+ [W/m^2]	3.28
psPDtot+ [W/m^2]	4.06
psPDmod+ [W/m^2]	5.02
E_{max} [V/m]	58.5
Power Drift [dB]	-0.06