



Appendix B

Detailed Test Results

1.	NFC
	NFC
2.	WIFI
	WIFI 2.4G
	WIFI 5G
	WIFI 6G
3.	BT
	BT
4.	PD
	PD

Test Laboratory: SGS-SAR Lab

NFC 13.56MHz Back Angle side 0mm

DUT: BT-A800; Type: Handheld Terminal; Serial: BOES200018

Communication System: UID 0, NFC (0); Frequency: 13.56 MHz; Duty Cycle: 1:1

Medium: HSL_13.56; Medium parameters used: $f = 14$ MHz; $\sigma = 0.784$ S/m; $\epsilon_r = 55.425$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(15.44, 17.46, 16.16); Calibrated: 2025/11/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1740; Calibrated: 2025/2/17
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 Ax; Serial: 1239
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/NFC/Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.542 W/kg

Configuration/NFC/Zoom Scan (6x7x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.204 V/m; Power Drift = -0.06 dB

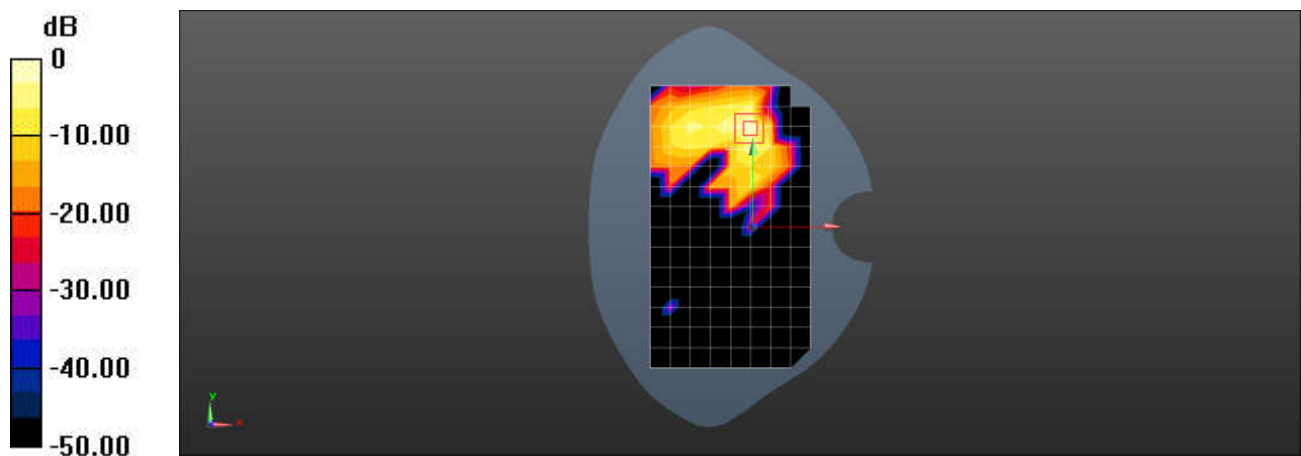
Peak SAR (extrapolated) = 0.932 W/kg

SAR(1 g) = 0.142 W/kg; SAR(10 g) = 0.064 W/kg

Smallest distance from peaks to all points 3 dB below = 9.6 mm

Ratio of SAR at M2 to SAR at M1 = 39.2%

Maximum value of SAR (measured) = 0.503 W/kg



0 dB = 0.542 W/kg = -2.66 dBW/kg

Test Laboratory: SGS-SAR Lab

BT-A800 WIFI 2.4G 802.11AX HE20 1CH Back Angle side 0mm

DUT: BT-A800; Type: Handheld Terminal; Serial: BOES200018

Communication System: UID 0, WI-FI(2.4GHz) (0); Frequency: 2412 MHz;Duty Cycle: 1:1.003

Medium: HSL2450;Medium parameters used: $f = 2412$ MHz; $\sigma = 1.764$ S/m; $\epsilon_r = 38.782$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(7.18, 7.67, 7.44); Calibrated: 2025/11/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1740; Calibrated: 2025/2/17
- Phantom: SAM 7; Type: SAM; Serial: 1702
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Scan/Area Scan (11x18x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.509 W/kg

Configuration/Scan/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.113 V/m; Power Drift = -0.04 dB

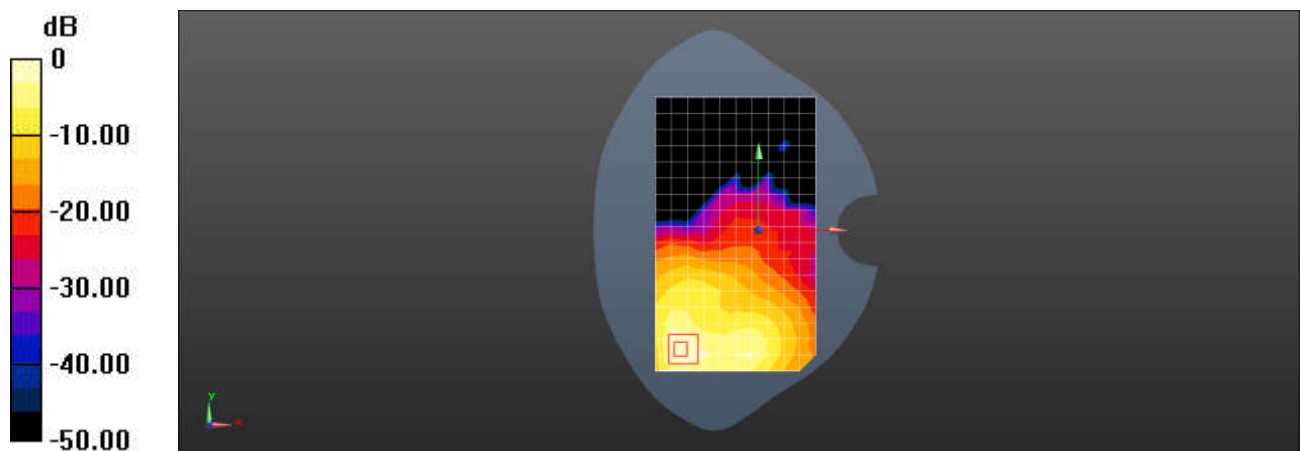
Peak SAR (extrapolated) = 0.941 W/kg

SAR(1 g) = 0.452 W/kg; SAR(10 g) = 0.196 W/kg

Smallest distance from peaks to all points 3 dB below = 8.1 mm

Ratio of SAR at M2 to SAR at M1 = 36.9%

Maximum value of SAR (measured) = 0.762 W/kg



0 dB = 0.509 W/kg = -2.93 dBW/kg

Test Laboratory: SGS-SAR Lab

BT-A800 WIFI 2.4G 802.11AX HE20 1CH Back Angle side 10mm

DUT: BT-A800; Type: Handheld Terminal; Serial: BOES200018

Communication System: UID 0, WI-FI(2.4GHz) (0); Frequency: 2412 MHz; Duty Cycle: 1:1.003

Medium: HSL2450; Medium parameters used: $f = 2412$ MHz; $\sigma = 1.775$ S/m; $\epsilon_r = 39.004$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(7.18, 7.67, 7.44); Calibrated: 2025/11/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1740; Calibrated: 2025/2/17
- Phantom: SAM 7; Type: SAM; Serial: 1702
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Scan/Area Scan (11x18x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 0.134 W/kg

Configuration/Scan/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 1.939 V/m; Power Drift = -0.08 dB

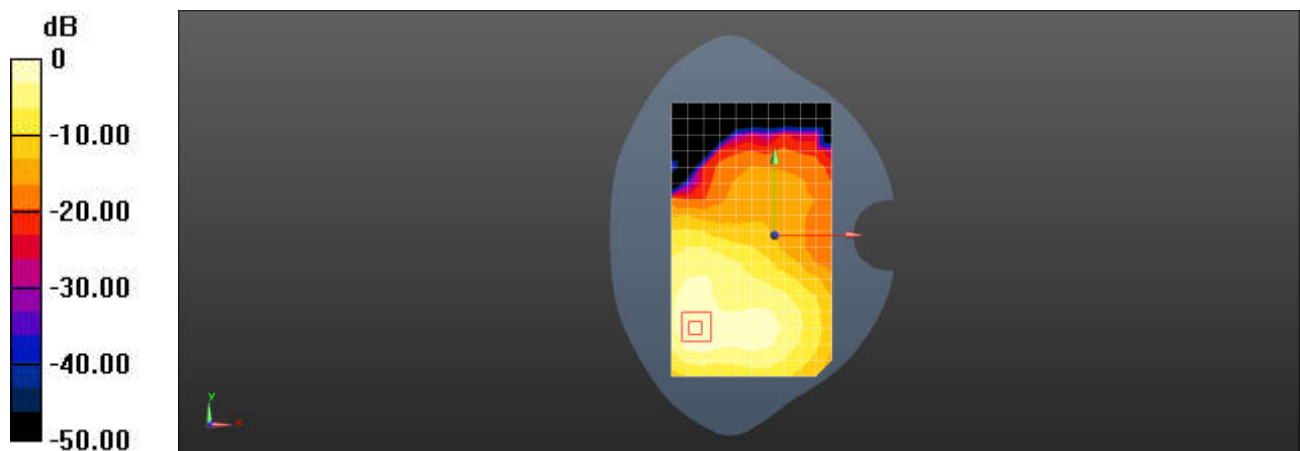
Peak SAR (extrapolated) = 0.179 W/kg

SAR(1 g) = 0.114 W/kg; SAR(10 g) = 0.054 W/kg

Smallest distance from peaks to all points 3 dB below = 13.6 mm

Ratio of SAR at M2 to SAR at M1 = 55.9%

Maximum value of SAR (measured) = 0.152 W/kg



0 dB = 0.134 W/kg = -8.73 dBW/kg

Test Laboratory: SGS-SAR Lab

BT-A800 WIFI 5G 802.11a 100CH Top side 0mm

DUT: BT-A800; Type: Handheld Terminal; Serial: BOES200018

Communication System: UID 0, WI-FI(5GHz) (0); Frequency: 5500 MHz; Duty Cycle: 1:1.008

Medium: HSL5000; Medium parameters used: $f = 5500$ MHz; $\sigma = 5.129$ S/m; $\epsilon_r = 36.893$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7735; ConvF(5.14, 5.35, 5.25); Calibrated: 2025/1/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1740; Calibrated: 2025/2/17
- Phantom: SAM 7; Type: SAM; Serial: 1702
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Scan/Area Scan (9x13x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.51 W/kg

Configuration/Scan/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 4.104 V/m; Power Drift = 0.07 dB

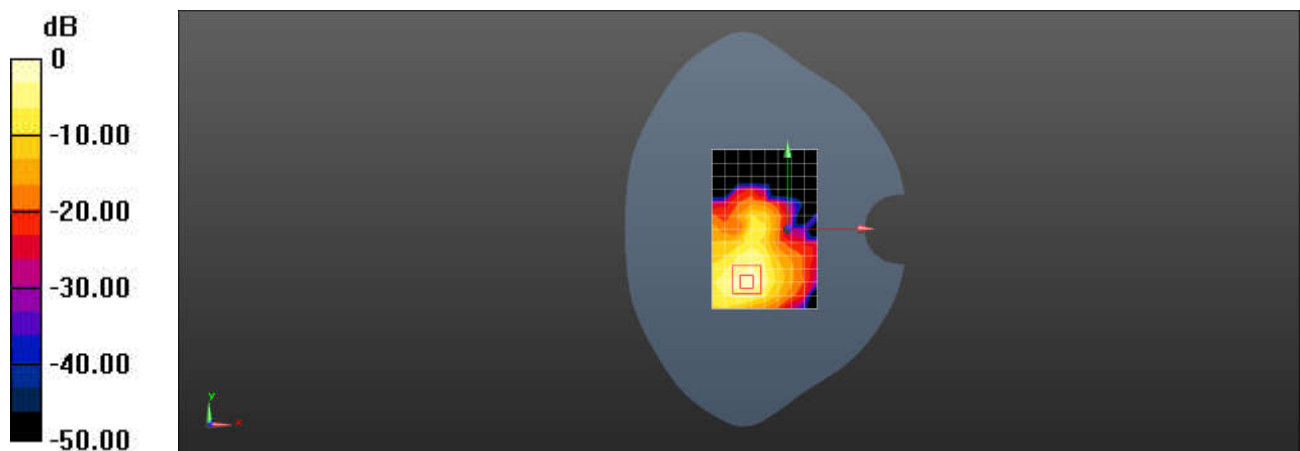
Peak SAR (extrapolated) = 3.25 W/kg

SAR(1 g) = 0.857 W/kg; SAR(10 g) = 0.238 W/kg

Smallest distance from peaks to all points 3 dB below = 4.4 mm

Ratio of SAR at M2 to SAR at M1 = 68%

Maximum value of SAR (measured) = 1.77 W/kg



0 dB = 1.51 W/kg = 1.79 dBW/kg

BT-A800 WIFI6E_802.11BE EHT80M_151Ch_Top Side 0mm

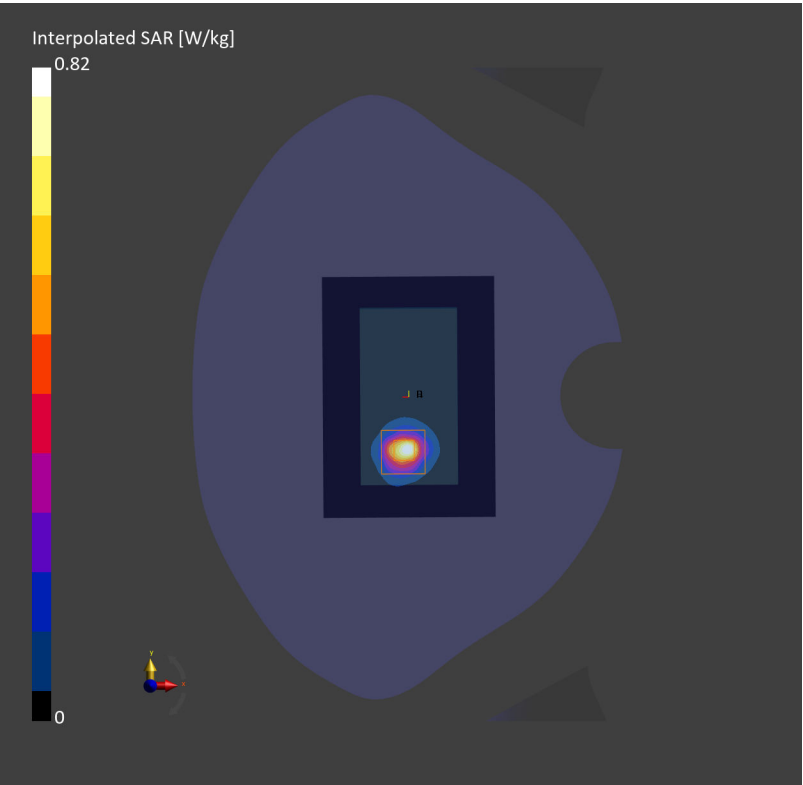
Communication System: U-NII-7; Frequency: 6705.0
Medium: HSL. Medium parameters used: $f=6705.0$ MHz; $\sigma=6.44$ S/m; $\epsilon_r=33.3$

- DASY8 Configuration:
- Probe: EX3DV4 - SN7735; ConvF(5.4, 5.62, 5.52); Calibrated: 2025-1-29
 - Sensor-Surface: 1.4 mm
 - Electronics: DAE4 Sn1740; Calibrated: 2025-2-17
 - Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2103
 - Measurement Software: cDASY8 V16.4.0.5005

Area Scan (85.0 mm x 119.0 mm): Measurement Grid: 8.5 mm x 8.5 mm
SAR (1g) = 0.512 W/kg; SAR (10g) = 0.152 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 = 0.04 dB
SAR (1g) = 0.488 W/kg; SAR (8g) = 0.165 W/kg; SAR (10g) = 0.132 W/kg;

psAPD (4.0cm2, sq) [W/m2]	3.16
M2/M1 [%]	60.1
Dist 3dB Peak [mm]	6.1



Test Laboratory: SGS-SAR Lab

BT-A800 Bluetooth DH5 39CH Back Angle side 0mm

DUT: BT-A800; Type: Handheld Terminal; Serial: BOES200018

Communication System: UID 0, Bluetooth (0); Frequency: 2441 MHz; Duty Cycle: 1:1.302

Medium: HSL2450; Medium parameters used: $f = 2441$ MHz; $\sigma = 1.797$ S/m; $\epsilon_r = 38.659$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(7.18, 7.67, 7.44); Calibrated: 2025/11/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1740; Calibrated: 2025/2/17
- Phantom: SAM 7; Type: SAM; Serial: 1702
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Scan/Area Scan (11x18x1): Measurement grid: $dx=12$ mm, $dy=12$ mm
Maximum value of SAR (measured) = 0.0376 W/kg

Configuration/Scan/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 0 V/m; Power Drift = 0.09 dB

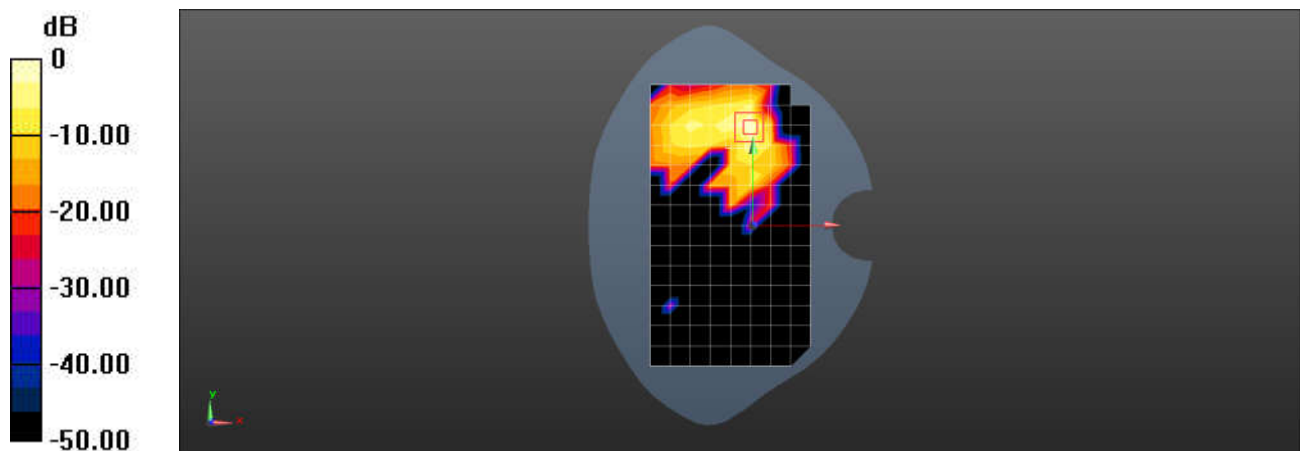
Peak SAR (extrapolated) = 0.0780 W/kg

SAR(1 g) = 0.036 W/kg; SAR(10 g) = 0.018 W/kg

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 50.1%

Maximum value of SAR (measured) = 0.0613 W/kg



0 dB = 0.0376 W/kg = -14.25 dBW/kg

Test Laboratory: SGS-SAR Lab

BT-A800 Bluetooth DH5 39CH Back Angle side 10mm

DUT: BT-A800; Type: Handheld Terminal; Serial: BOES200018

Communication System: UID 0, Bluetooth (0); Frequency: 2441 MHz; Duty Cycle: 1:1.302

Medium: HSL2450; Medium parameters used: $f = 2441$ MHz; $\sigma = 1.808$ S/m; $\epsilon_r = 38.88$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(7.18, 7.67, 7.44); Calibrated: 2025/11/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1740; Calibrated: 2025/2/17
- Phantom: SAM 7; Type: SAM; Serial: 1702
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Scan/Area Scan (11x18x1): Measurement grid: $dx=12$ mm, $dy=12$ mm
Maximum value of SAR (measured) = 0.00869 W/kg

Configuration/Scan/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 0 V/m; Power Drift = 0.09 dB

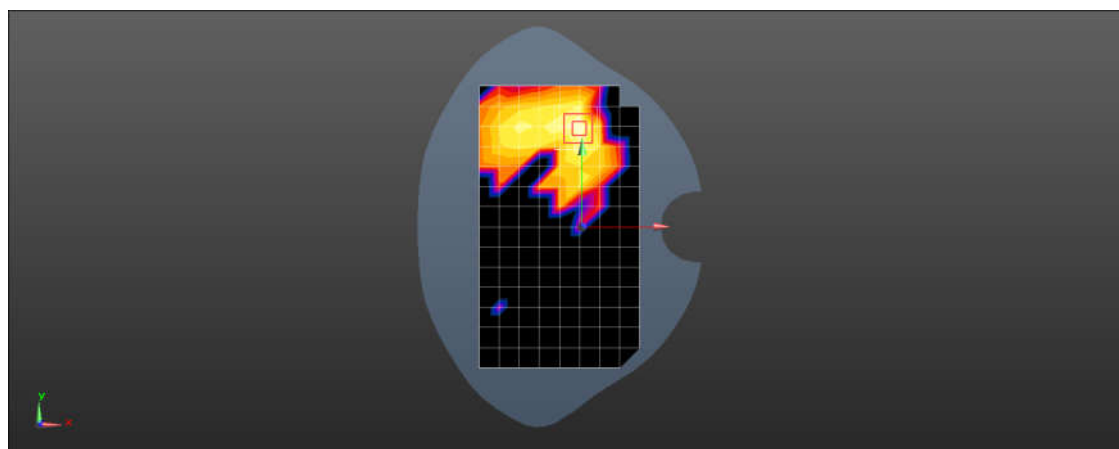
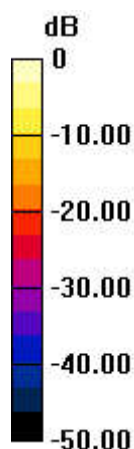
Peak SAR (extrapolated) = 0.00678 W/kg

SAR(1 g) = 0.002 W/kg; SAR(10 g) = 0.001 W/kg

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 46.1%

Maximum value of SAR (measured) = 0.00498 W/kg



0 dB = 0.00869 W/kg = -20.61 dBW/kg

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Device,	260.0 x 91.3 x 49.2	Phone

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G	BACK, 2.00	U-NII-7	WLAN, 10731-AAC	6705.0, 151	1.0

Hardware Setup

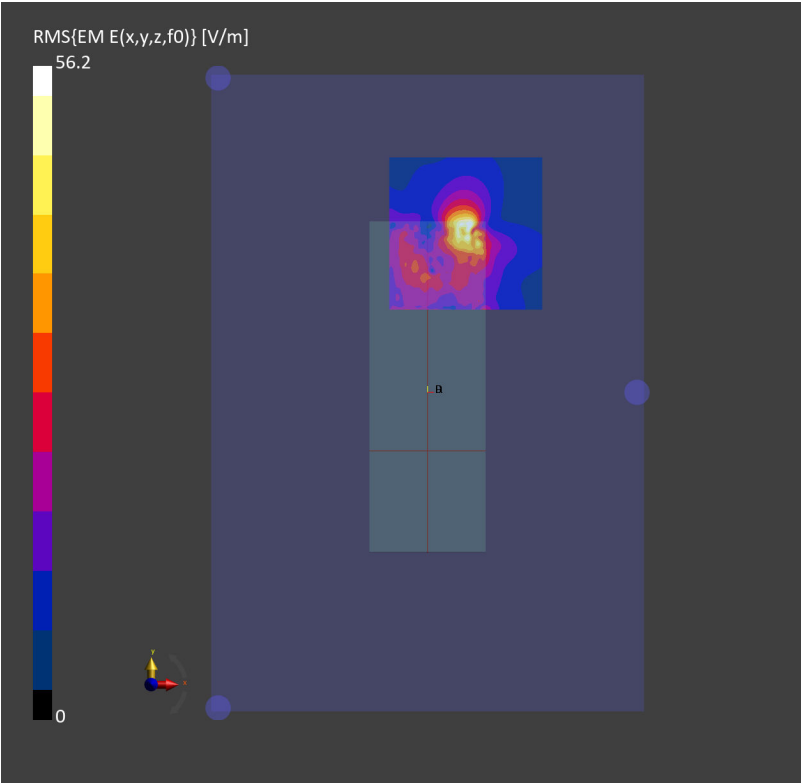
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave – 1777	Air –	EUmmWV4 – SN9718_F1–55GHz, 2025–08–04	DAE4ip Sn1826, 2025–02–17

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	2026–01–24
Avg. Area [cm²]	4.00
psPDn+ [W/m²]	3.03
psPDtot+ [W/m²]	4.86
psPDmod+ [W/m²]	7.27
E _{max} [V/m]	56.2
Power Drift [dB]	–0.08





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