



SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

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Appendix B

Detailed Test Results

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Hyper WIFI
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BT
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NFC

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Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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Test Laboratory: SGS-SAR Lab

TFB1A WIFI2.4G 802.11n 11CH Back side 0mm

DUT: TFB1A; Type: Wireless Data Terminal; Serial: LF03E53N00017

Communication System: UID 0, WI-FI(2.4GHz) (0); Frequency: 2462 MHz;Duty Cycle: 1:1.172

Medium: HSL2450;Medium parameters used: $f = 2462$ MHz; $\sigma = 1.868$ S/m; $\epsilon_r = 37.962$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(7.98, 7.98, 7.98); Calibrated: 2024/11/04
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 2024/06/05
- Phantom: SAM 7; Type: SAM; Serial: 1702
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (7x16x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.522 W/kg

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

Reference Value = 2.312 V/m; Power Drift = 0.11 dB

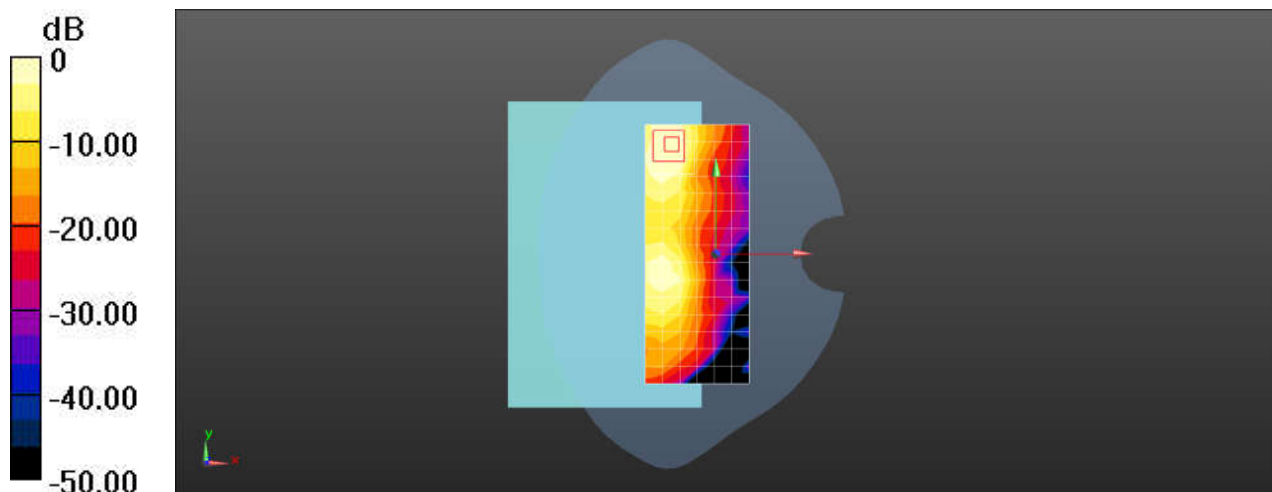
Peak SAR (extrapolated) = 0.921 W/kg

SAR(1 g) = 0.391 W/kg; SAR(10 g) = 0.167 W/kg

Smallest distance from peaks to all points 3 dB below = 9 mm

Ratio of SAR at M2 to SAR at M1 = 38.6%

Maximum value of SAR (measured) = 0.701 W/kg



0 dB = 0.522 W/kg = -2.82 dBW/kg

Test Laboratory: SGS-SAR Lab

TFB1A WIFI5G 802.11a 64CH Top side 0mm

DUT: TFB1A; Type: Wireless Data Terminal; Serial: LF03E53N00017

Communication System: UID 0, WI-FI(5GHz) (0); Frequency: 5320 MHz; Duty Cycle: 1:1.053

Medium: HSL5G; Medium parameters used: $f = 5320$ MHz; $\sigma = 4.851$ S/m; $\epsilon_r = 35.762$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(5.6, 5.6, 5.6); Calibrated: 2024/11/04
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 2024/06/05
- Phantom: SAM 7; Type: SAM; Serial: 1702
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (9x19x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.887 W/kg

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

Reference Value = 0 V/m; Power Drift = -0.10 dB

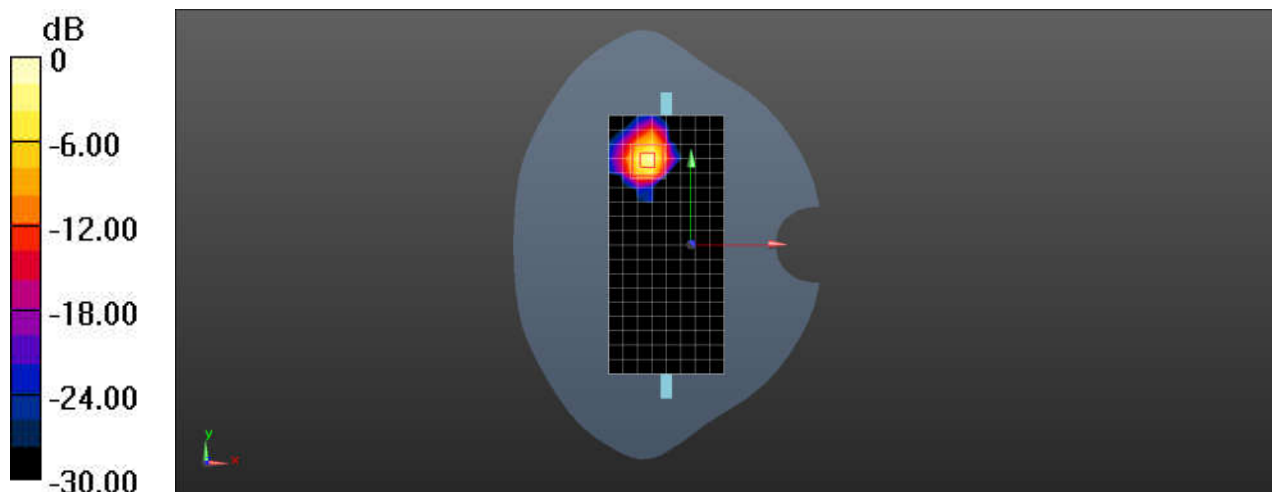
Peak SAR (extrapolated) = 1.73 W/kg

SAR(1 g) = 0.398 W/kg; SAR(10 g) = 0.099 W/kg

Smallest distance from peaks to all points 3 dB below = 6.1 mm

Ratio of SAR at M2 to SAR at M1 = 63.7%

Maximum value of SAR (measured) = 1.07 W/kg



0 dB = 1.07 W/kg = 0.29 dBW/kg

Test Laboratory: SGS-SAR Lab

TFB1A WIFI5G 802.11n-HT40 110CH Top side 0mm

DUT: TFB1A; Type: Wireless Data Terminal; Serial: LF03E53N00017

Communication System: UID 0, WI-FI(5GHz) (0); Frequency: 5550 MHz; Duty Cycle: 1:1.117

Medium: HSL5G; Medium parameters used: $f = 5550 \text{ MHz}$; $\sigma = 5.102 \text{ S/m}$; $\epsilon_r = 35.157$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(5, 5, 5); Calibrated: 2024/11/04
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 2024/06/05
- Phantom: SAM 7; Type: SAM; Serial: 1702
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (9x19x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$
Maximum value of SAR (measured) = 1.27 W/kg

Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=1.4\text{mm}$

Reference Value = 0 V/m ; Power Drift = 0.08 dB

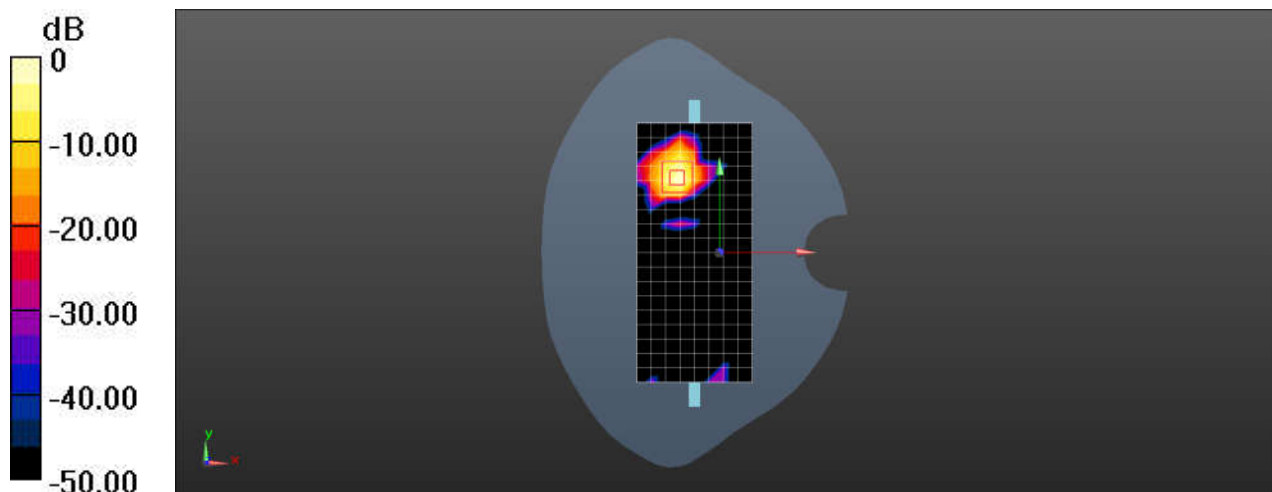
Peak SAR (extrapolated) = 2.05 W/kg

SAR(1 g) = 0.507 W/kg ; SAR(10 g) = 0.101 W/kg

Smallest distance from peaks to all points 3 dB below = 5.4 mm

Ratio of SAR at M2 to SAR at M1 = 64.5%

Maximum value of SAR (measured) = 1.38 W/kg



$0 \text{ dB} = 1.27 \text{ W/kg} = 1.04 \text{ dBW/kg}$

Test Laboratory: SGS-SAR Lab

TFB1A WIFI5G 802.11n-HT40 151CH Top side 0mm

DUT: TFB1A; Type: Wireless Data Terminal; Serial: LF03E53N00017

Communication System: UID 0, WI-FI(5GHz) (0); Frequency: 5755 MHz; Duty Cycle: 1:1.117

Medium: HSL5G; Medium parameters used: $f = 5755$ MHz; $\sigma = 5.352$ S/m; $\epsilon_r = 34.626$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(5.06, 5.06, 5.06); Calibrated: 2024/11/04
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 2024/06/05
- Phantom: SAM 7; Type: SAM; Serial: 1702
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (9x19x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.83 W/kg

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

Reference Value = 1.375 V/m; Power Drift = 0.11 dB

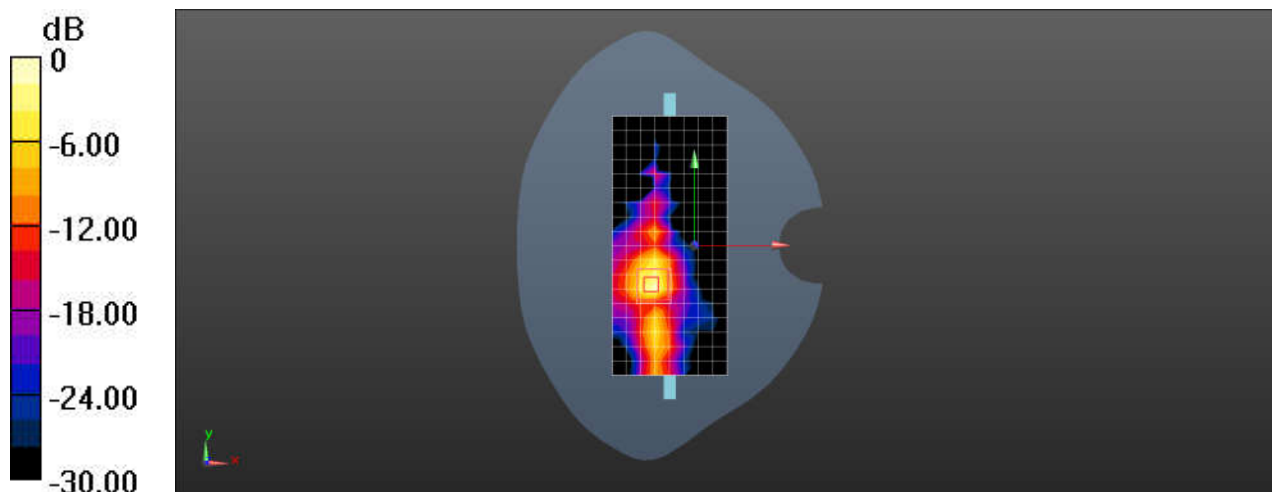
Peak SAR (extrapolated) = 3.60 W/kg

SAR(1 g) = 0.843 W/kg; SAR(10 g) = 0.214 W/kg

Smallest distance from peaks to all points 3 dB below = 6.1 mm

Ratio of SAR at M2 to SAR at M1 = 65.4%

Maximum value of SAR (measured) = 2.16 W/kg



Test Laboratory: SGS-SAR Lab

TFB1A Hyper WIFI 802.11ah-2M 5CH Back side 0mm

DUT: TFB1A; Type: Wireless Data Terminal; Serial: LF03E53N00017

Communication System: UID 0, Hyper WIFI (0); Frequency: 925 MHz; Duty Cycle: 1:1.35

Medium: HSL835; Medium parameters used: $f = 925 \text{ MHz}$; $\sigma = 0.963 \text{ S/m}$; $\epsilon_r = 41.332$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(10.19, 10.19, 10.19); Calibrated: 2024/11/04
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 2024/06/05
- Phantom: SAM 7; Type: SAM; Serial: 1702
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (6x15x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (measured) = 0.249 W/kg

Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 1.404 V/m ; Power Drift = 0.07 dB

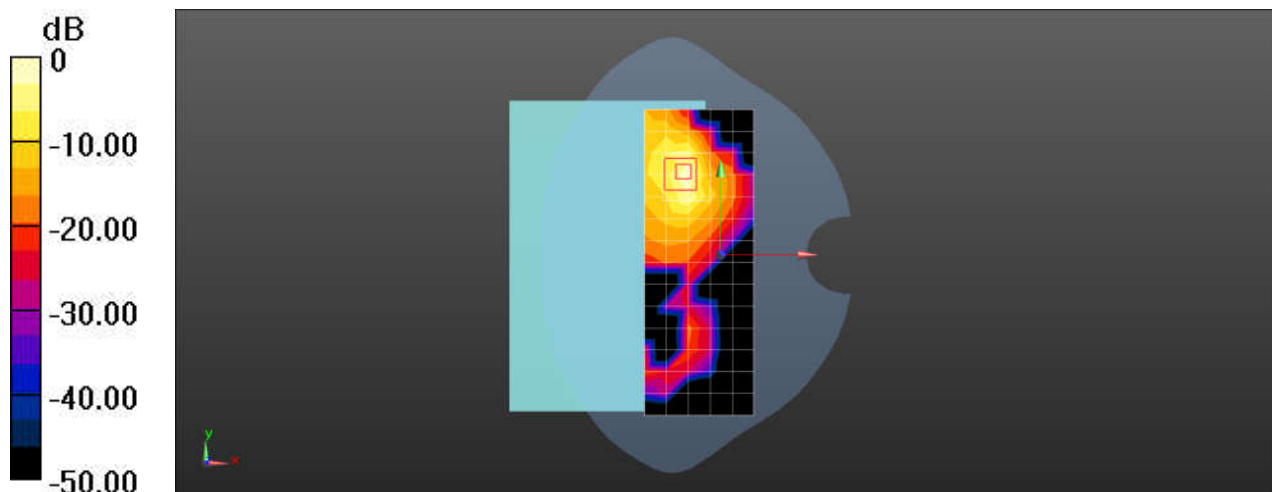
Peak SAR (extrapolated) = 0.443 W/kg

SAR(1 g) = 0.128 W/kg ; SAR(10 g) = 0.050 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%

Maximum value of SAR (measured) = 0.293 W/kg



$0 \text{ dB} = 0.249 \text{ W/kg} = -6.03 \text{ dBW/kg}$

WIFI6G 802.11ax 80M 215CH Top side 0mm

Communication System: U-NII-6; Frequency: 7025.000

Medium: Head Simulating Liquid. Medium parameters used: $f = 7025.000$ MHz; $\sigma = 6.85$ S/m; $\epsilon_r = 32.5$

DASY8 Configuration:

- Probe: EX3DV4 - SN7735; ConvF(5.4, 5.62, 5.52); Calibrated: 2025-01-29
- Sensor-Surface: 1.4 mm
- Electronics: DAE4ip Sn1826; Calibrated: 2025-02-17
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2155
- Measurement Software: cDASY8 V16.2.0.1425

Area Scan (48.0 mm x 153.0 mm): Measurement Grid: 8.0 mm x 8.5 mm

SAR (1g) = 0.205 W/kg; SAR (8g) = 0.042 W/kg; SAR (10g) = 0.031 W/kg;

Zoom Scan (23.4 mm x 23.4 mm x 25.0 mm): Measurement Grid: 2.6 mm x 2.6 mm x 1.2 mm

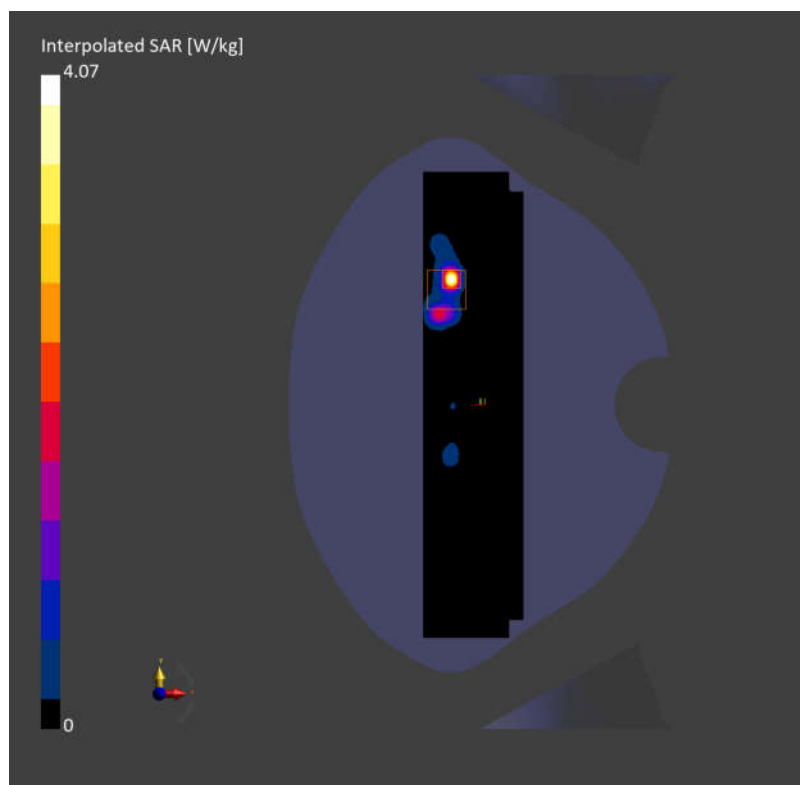
Power Drift = 0.09 dB

SAR (1g) = 0.211 W/kg; SAR (8g) = 0.047 W/kg; SAR (10g) = 0.038 W/kg;

psAPD (4.0cm², sq) [W/m²]

M2/M1 [%]

Dist 3dB Peak [mm]



Test Laboratory: SGS-SAR Lab

TFB1A Bluetooth DH5 0CH Back side 0mm

DUT: TFB1A; Type: Wireless Data Terminal; Serial: LF03E53N00017

Communication System: UID 0, Bluetooth (0); Frequency: 2402 MHz; Duty Cycle: 1:1.3

Medium: HSL2450; Medium parameters used: $f = 2402$ MHz; $\sigma = 1.809$ S/m; $\epsilon_r = 38.179$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(7.98, 7.98, 7.98); Calibrated: 2024/11/04
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 2024/06/05
- Phantom: SAM 7; Type: SAM; Serial: 1702
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (7x16x1): Measurement grid: $dx=12$ mm, $dy=12$ mm
Maximum value of SAR (measured) = 0.374 W/kg

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

Reference Value = 1.083 V/m; Power Drift = 0.02 dB

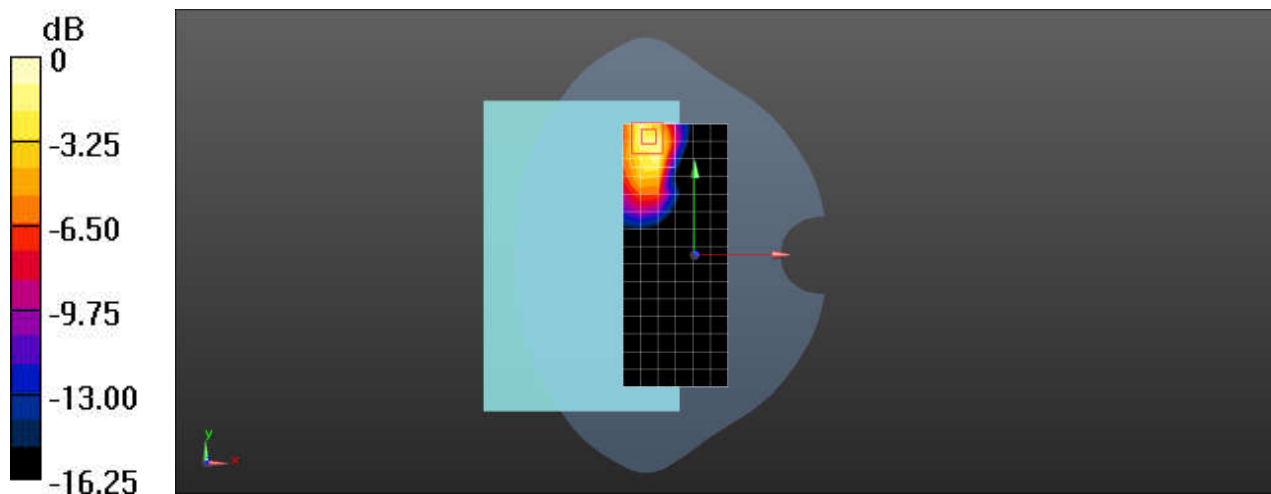
Peak SAR (extrapolated) = 0.625 W/kg

SAR(1 g) = 0.301 W/kg; SAR(10 g) = 0.136 W/kg

Smallest distance from peaks to all points 3 dB below = 7.2 mm

Ratio of SAR at M2 to SAR at M1 = 49.8%

Maximum value of SAR (measured) = 0.481 W/kg



0 dB = 0.481 W/kg = -3.18 dBW/kg

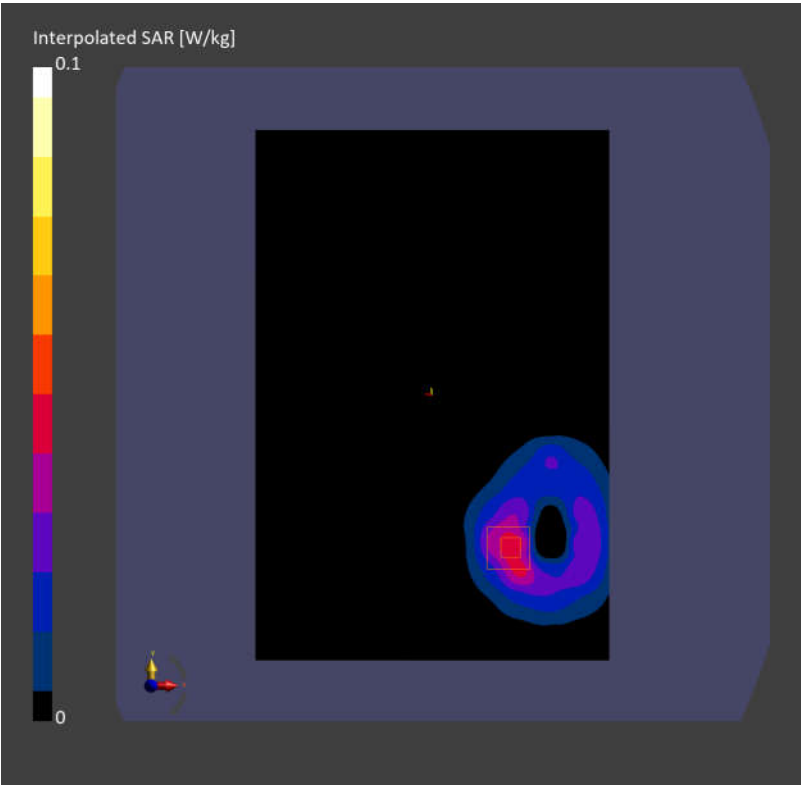
NFC 13.56MHz Back side 0mm

Communication System: Custom Band; Frequency: 13.600
Medium: HSL. Medium parameters used: $f= 13.600$ MHz; $\sigma= 0.726$ S/m; $\epsilon_r = 54.5$

- DASY8 Configuration:
- Probe: EX3DV4 - SN7735; ConvF(13.68, 13.51, 13.73); Calibrated: 2025-01-29
 - Sensor-Surface: 1.4 mm
 - Electronics: DAE4ip Sn1826; Calibrated: 2025-02-17
 - Phantom: ELI V8.0 (20deg probe tilt); Serial: 2217
 - Measurement Software: cDASY8 V16.4.0.5005

Area Scan (180.0 mm x 270.0 mm): Measurement Grid: 15.0 mm x 15.0 mm
SAR (1g) = 0.053 W/kg; SAR (10g) = 0.029 W/kg;

Zoom Scan (32.0 mm x 32.0 mm x 30.0 mm): Measurement Grid: 6.0 mm x 6.0 mm x 1.5 mm
Power Drift = 0.17 dB
SAR (1g) = 0.052 W/kg; SAR (10g) = 0.027 W/kg;
M2/M1 [%] 65.7
Dist 3dB Peak [mm] 9.8





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