



Appendix B

Detailed Test Results

1. GSM
GSM850 for Body
GSM1900 for Body
2. LTE
LTE Band 2 for Body
LTE Band 4 for Body
LTE Band 12 for Body
LTE Band 13 for Body
LTE Band 26 for Body
3. WIFI
WIFI 2.4GHz for Body



Test Laboratory: LCS-SAR Lab

GSM 850 GPRS 4TX 251CH Rear side 0mm

DUT: GPS Tracker; Type: MT710; Serial: A240319002-1

Communication System: UID 0, GPRS (0); Frequency: 848.8 MHz; Duty Cycle: 1:2.075

Medium parameters used: $f = 848.8$ MHz; $\sigma = 0.912$ S/m; $\epsilon_r = 41.466$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(9.26, 9.26, 9.26); Calibrated: 2023/11/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn373; Calibrated: 2024/1/3
- Phantom: SAM v5.0; Type: SAM; Serial: 1850
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Unnamed procedure/Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.411 W/kg

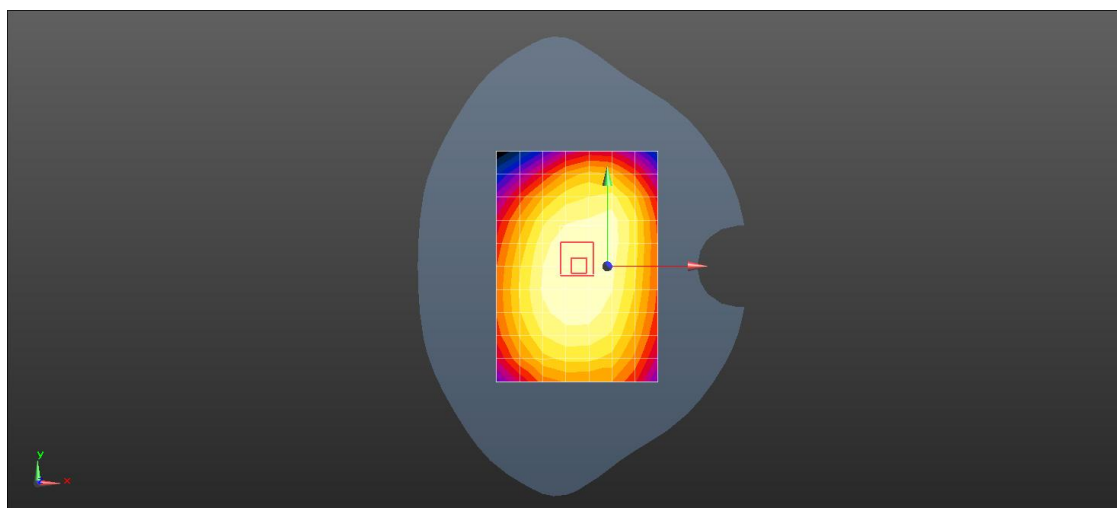
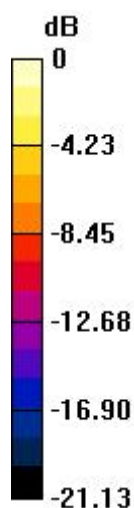
Configuration/Unnamed procedure/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.84 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.468 W/kg

SAR(1 g) = 0.321 W/kg; SAR(10 g) = 0.204 W/kg

Maximum value of SAR (measured) = 0.415 W/kg



0 dB = 0.415 W/kg = -3.82 dBW/kg



Date: 2024/4/8

Test Laboratory: LCS-SAR Lab

GSM 1900 GPRS 4TX 512CH Rear side 0mm**DUT: GPS Tracker; Type: MT710; Serial: A240319002-1**

Communication System: UID 0, GPRS (0); Frequency: 1850.2 MHz; Duty Cycle: 1:2.075

Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.436$ S/m; $\epsilon_r = 40.018$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(7.85, 7.85, 7.85); Calibrated: 2023/11/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn373; Calibrated: 2024/1/3
- Phantom: SAM v5.0; Type: SAM; Serial: 1850
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Unnamed procedure/Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.234 W/kg

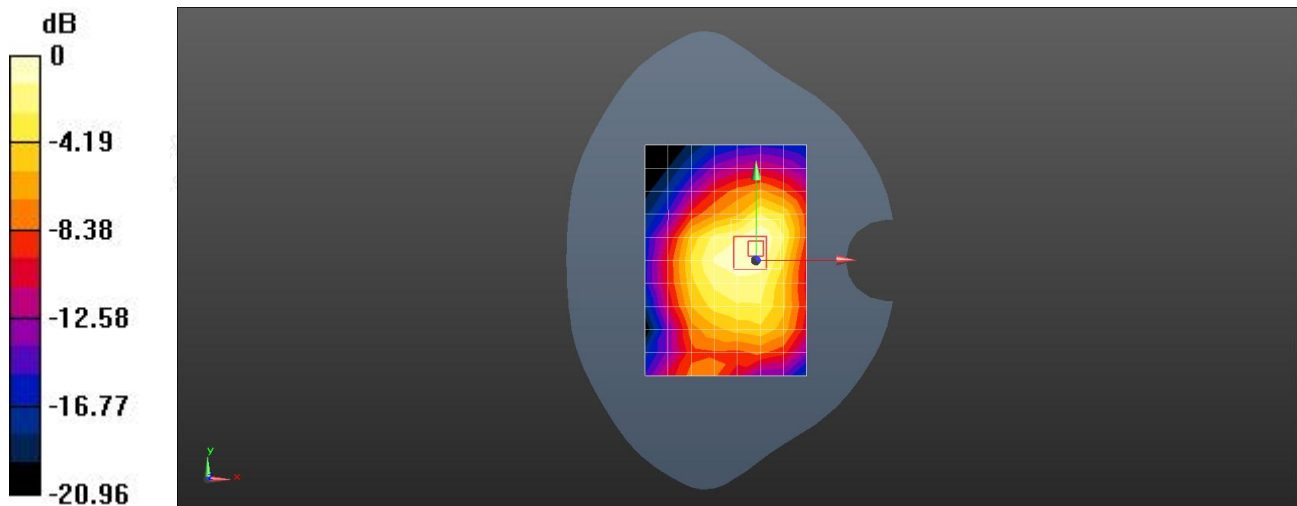
Configuration/Unnamed procedure/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.08 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.294 W/kg

SAR(1 g) = 0.166 W/kg; SAR(10 g) = 0.100 W/kg

Maximum value of SAR (measured) = 0.242 W/kg



0 dB = 0.242 W/kg = -6.16 dBW/kg



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Test Laboratory: LCS-SAR Lab

LTE Band 2 20M QPSK 1RB5 19100CH Rear side 0mm

DUT: GPS Tracker; Type: MT710; Serial: A240319002-1

Communication System: UID 0, LTE-FDD (0); Frequency: 1900 MHz; Duty Cycle: 1:1

Medium parameters used: $f=1900$ MHz; $\sigma = 1.446$ S/m; $\epsilon_r = 41.838$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(7.85, 7.85, 7.85); Calibrated: 2023/11/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn373; Calibrated: 2024/1/3
- Phantom: SAM v5.0; Type: SAM; Serial: 1850
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Unnamed procedure/Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.266 W/kg

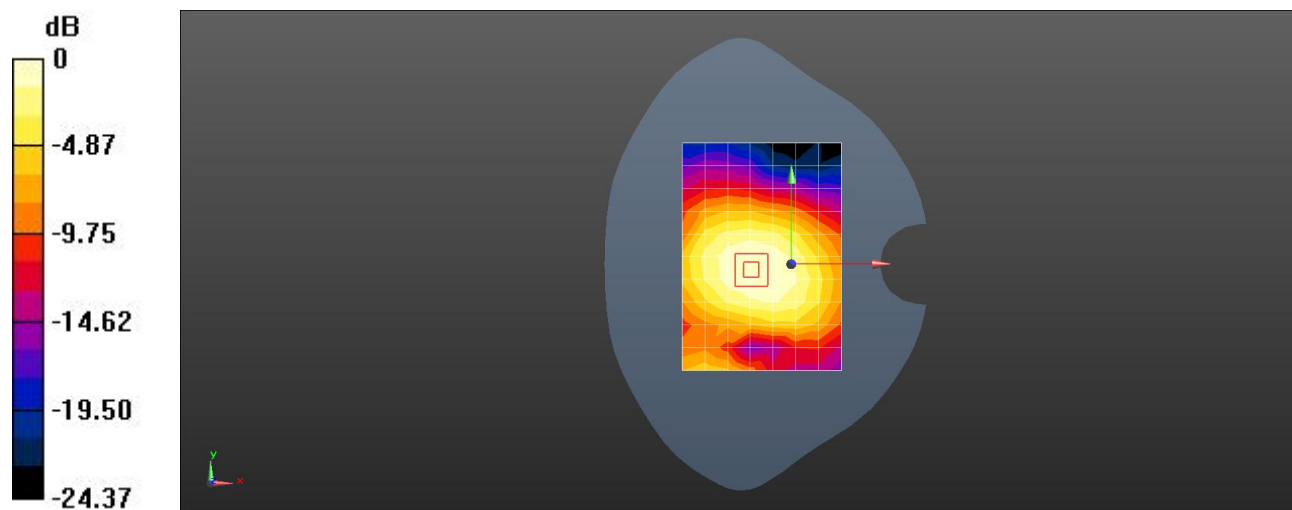
Configuration/Unnamed procedure/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.75 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.389 W/kg

SAR(1 g) = 0.221 W/kg; SAR(10 g) = 0.135 W/kg

Maximum value of SAR (measured) = 0.252 W/kg



0 dB = 0.252 W/kg = -5.99 dBW/kg



Date: 2024/4/8

Test Laboratory: LCS-SAR Lab

NB-IOT Band 2 15M QPSK 1RB0 18602CH Rear side 0mm**DUT: GPS Tracker; Type: MT710; Serial: A240319002-1**

Communication System: UID 0, LTE-FDD (0); Frequency: 1850.2 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1850.0$ MHz; $\sigma = 1.375$ S/m; $\epsilon_r = 41.138$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(7.85, 7.85, 7.85); Calibrated: 2023/11/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn373; Calibrated: 2024/1/3
- Phantom: SAM v5.0; Type: SAM; Serial: 1850
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Unnamed procedure/Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.224 W/kg

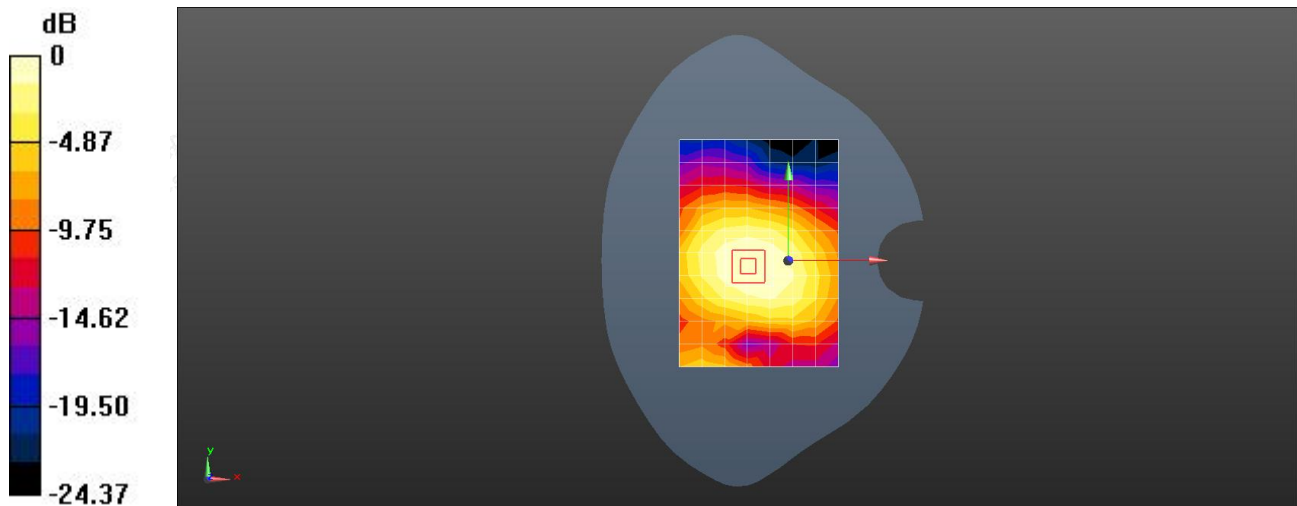
Configuration/Unnamed procedure/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.30 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.363 W/kg

SAR(1 g) = 0.216 W/kg; SAR(10 g) = 0.114 W/kg

Maximum value of SAR (measured) = 0.279 W/kg



0 dB = 0.279 W/kg = -5.54 dBW/kg



Test Laboratory: LCS-SAR Lab

LTE Band 4 20M QPSK 1RB0 20050CH Rear side 0mm

DUT: GPS Tracker; Type: MT710; Serial: A240319002-1

Communication System: UID 0, LTE-FDD (0); Frequency: 1720 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1720$ MHz; $\sigma = 1.366$ S/m; $\epsilon_r = 40.432$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(8.16, 8.16, 8.16); Calibrated: 2023/11/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn373; Calibrated: 2024/1/3
- Phantom: SAM v5.0; Type: SAM; Serial: 1850
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Unnamed procedure/Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.563 W/kg

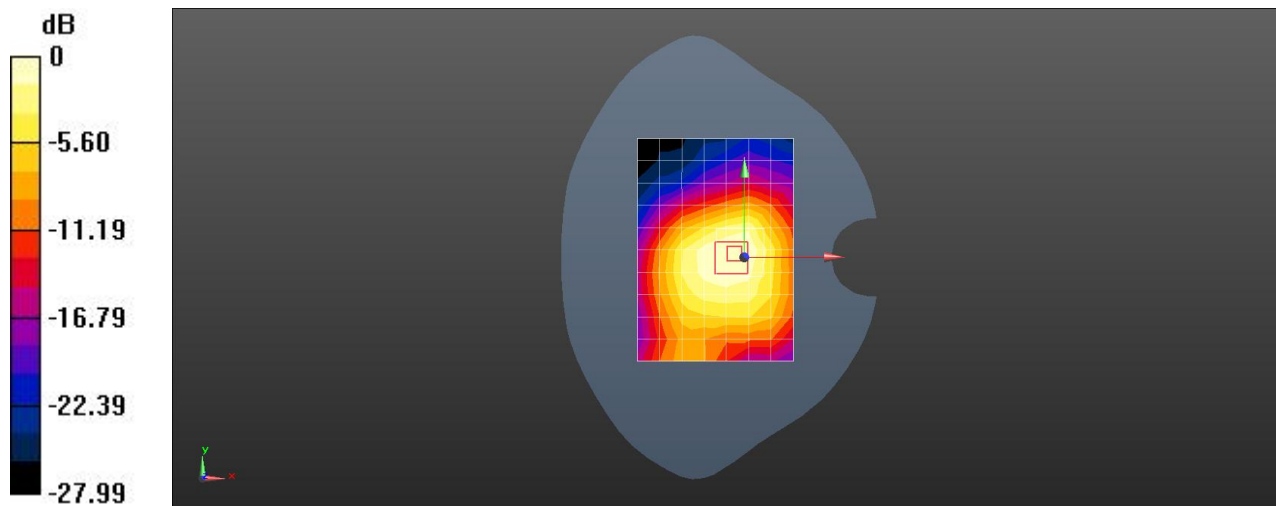
Configuration/Unnamed procedure/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.92 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.763 W/kg

SAR(1 g) = 0.405 W/kg; SAR(10 g) = 0.266 W/kg

Maximum value of SAR (measured) = 0.486 W/kg



0 dB = 0.486 W/kg = -3.13 dBW/kg



Date: 2024/4/2

Test Laboratory: LCS-SAR Lab

NB-IOT Band 4 15M QPSK 1RB0 20175CH Rear side 0mm**DUT: GPS Tracker; Type: MT710; Serial: A240319002-1**

Communication System: UID 0, LTE-FDD (0); Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.318$ S/m; $\epsilon_r = 40.985$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(8.16, 8.16, 8.16); Calibrated: 2023/11/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn373; Calibrated: 2024/1/3
- Phantom: SAM v5.0; Type: SAM; Serial: 1850
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Unnamed procedure/Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.536 W/kg

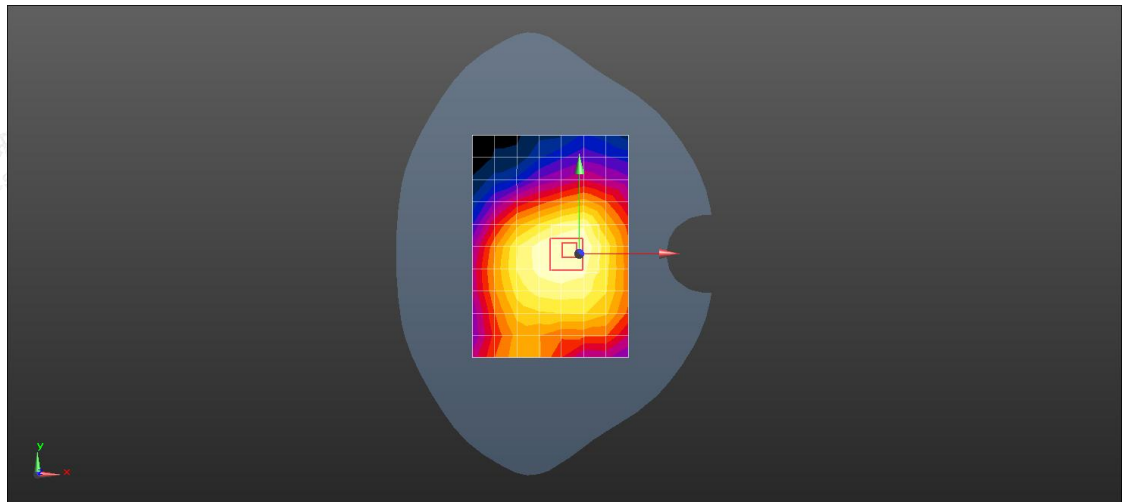
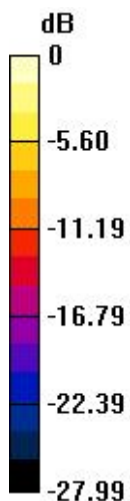
Configuration/Unnamed procedure/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.42 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.721 W/kg

SAR(1 g) = 0.389 W/kg; SAR(10 g) = 0.242 W/kg

Maximum value of SAR (measured) = 0.428 W/kg



0 dB = 0.428 W/kg = -3.69 dBW/kg



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Test Laboratory: LCS-SAR Lab

LTE Band 12 10M QPSK 1RB5 23130CH Rear side 0mm

DUT: GPS Tracker; Type: MT710; Serial: A240319002-1

Communication System: UID 0, LTE-FDD (0); Frequency: 711 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 711$ MHz; $\sigma = 0.887$ S/m; $\epsilon_r = 42.322$ $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(9.66, 9.66, 9.66); Calibrated: 2023/11/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn373; Calibrated: 2024/1/3
- Phantom: SAM v5.0; Type: SAM; Serial: 1850
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Unnamed procedure/Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.145 W/kg

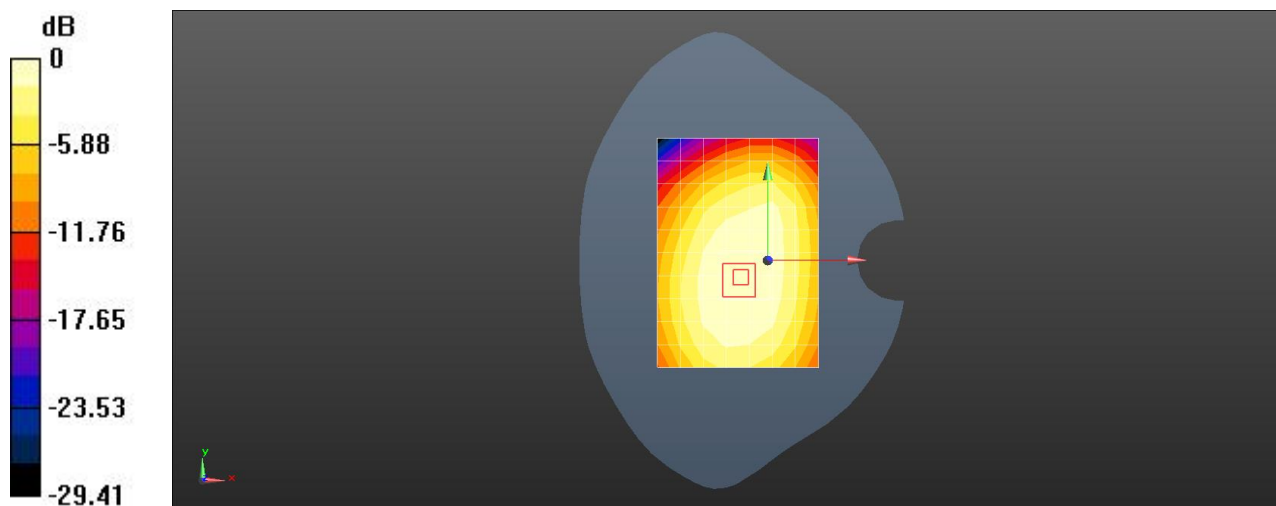
Configuration/Unnamed procedure/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.42 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.136 W/kg

SAR(1 g) = 0.124 W/kg; SAR(10 g) = 0.090 W/kg

Maximum value of SAR (measured) = 0.111 W/kg



0 dB = 0.111 W/kg = -9.55 dBW/kg



Date: 2024/3/21

Test Laboratory: LCS-SAR Lab

NB-IOT Band 12 15M BPSK 1RB0 23012CH Rear side 0mm**DUT: GPS Tracker; Type: MT710; Serial: A240319002-1**

Communication System: UID 0, LTE-FDD (0); Frequency: 699.2 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 699.2$ MHz; $\sigma = 0.899$ S/m; $\epsilon_r = 42.023$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(9.66, 9.66, 9.66); Calibrated: 2023/11/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn373; Calibrated: 2024/1/3
- Phantom: SAM v5.0; Type: SAM; Serial: 1850
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Unnamed procedure/Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.109 W/kg

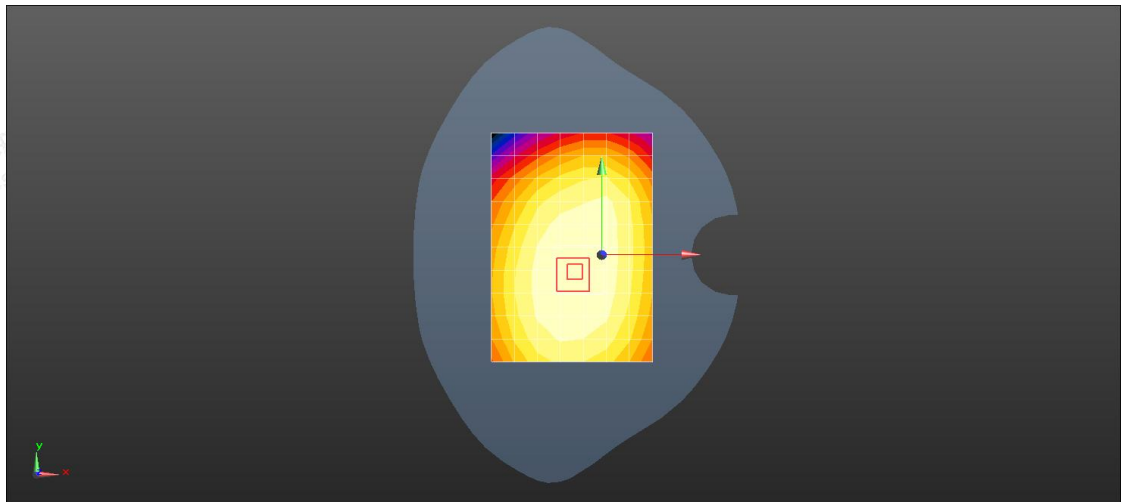
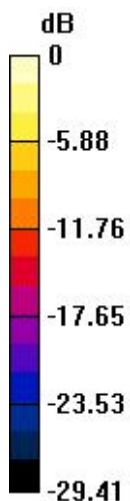
Configuration/Unnamed procedure/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.02 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.130 W/kg

SAR(1 g) = 0.112 W/kg; SAR(10 g) = 0.082 W/kg

Maximum value of SAR (measured) = 0.123 W/kg



0 dB = 0.123 W/kg = -9.10 dBW/kg



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Test Laboratory: LCS-SAR Lab

LTE Band 13 10M 16QAM 1RB0 23230CH Rear side 0mm

DUT: GPS Tracker; Type: MT710; Serial: A240319002-1

Communication System: UID 0, LTE-FDD (0); Frequency: 782 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 782 \text{ MHz}$; $\sigma = 0.876 \text{ S/m}$; $\epsilon_r = 41.554$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(9.66, 9.66, 9.66); Calibrated: 2023/11/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn373; Calibrated: 2024/1/3
- Phantom: SAM v5.0; Type: SAM; Serial: 1850
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Unnamed procedure/Area Scan (8x11x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.165 W/kg

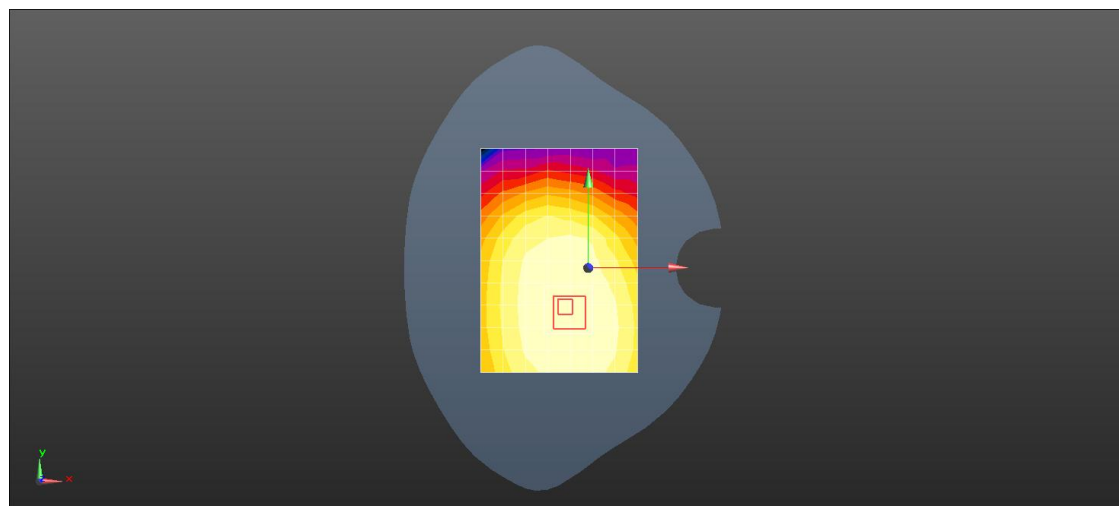
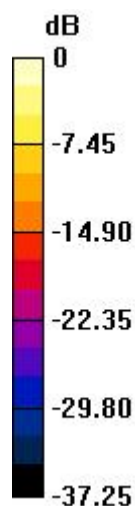
Configuration/Unnamed procedure/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 12.65 V/m ; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.187 W/kg

SAR(1 g) = 0.144 W/kg ; SAR(10 g) = 0.102 W/kg

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



0 dB = 0.158 W/kg = -8.01 dBW/kg



Date: 2024/3/21

Test Laboratory: LCS-SAR Lab

NB-IOT Band 13 15M BPSK 1RB0 23230CH Front side 0mm**DUT: GPS Tracker; Type: MT710; Serial: A240319002-1**

Communication System: UID 0, LTE-FDD (0); Frequency: 782 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 782 \text{ MHz}$; $\sigma = 0.876 \text{ S/m}$; $\epsilon_r = 41.554$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(9.66, 9.66, 9.66); Calibrated: 2023/11/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn373; Calibrated: 2024/1/3
- Phantom: SAM v5.0; Type: SAM; Serial: 1850
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Unnamed procedure/Area Scan (8x11x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.146 W/kg

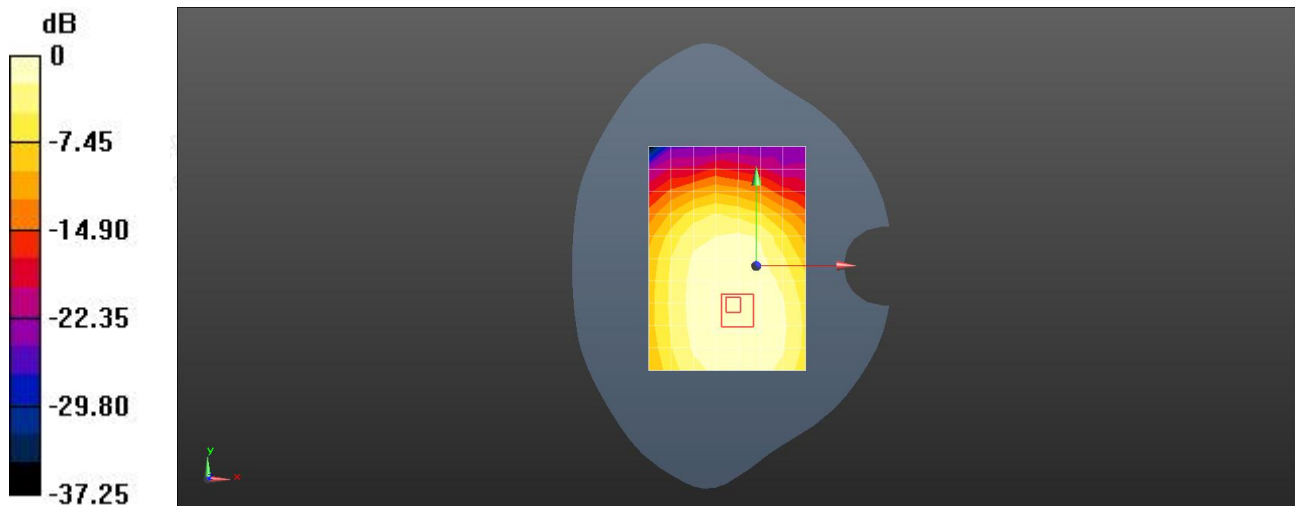
Configuration/Unnamed procedure/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 12.15 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.166 W/kg

SAR(1 g) = 0.135 W/kg; SAR(10 g) = 0.092 W/kg

Maximum value of SAR (measured) = 0.130 W/kg



0 dB = 0.130 W/kg = -8.86 dBW/kg



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Test Laboratory: LCS-SAR Lab

LTE Band 26(814-824) 10M 16QAM 1RB0 26740CH Rear side 0mm

DUT: GPS Tracker; Type: MT710; Serial: A240319002-1

Communication System: UID 0, LTE-FDD (0); Frequency: 819 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 819$ MHz; $\sigma = 0.896$ S/m; $\epsilon_r = 41.442$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(9.26, 9.26, 9.26); Calibrated: 2023/11/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn373; Calibrated: 2024/1/3
- Phantom: SAM v5.0; Type: SAM; Serial: 1850
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Unnamed procedure/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.332 W/kg

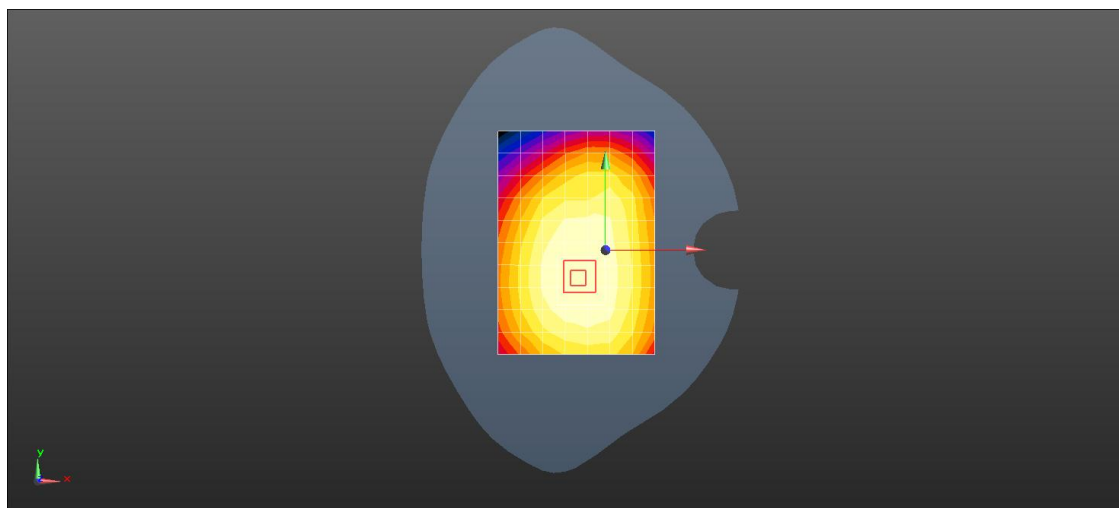
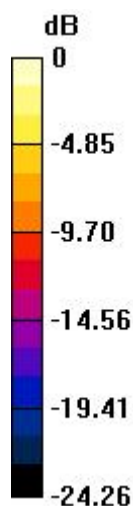
Configuration/Unnamed procedure/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 18.21 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.335 W/kg

SAR(1 g) = 0.295 W/kg; SAR(10 g) = 0.212 W/kg

Maximum value of SAR (measured) = 0.326 W/kg



0 dB = 0.326 W/kg = -4.87 dBW/kg



Date: 2024/3/28

Test Laboratory: LCS-SAR Lab

LTE Band 26(824-849) 15M 16QAM 1RB0 26865CH Rear side 0mm**DUT: GPS Tracker; Type: MT710; Serial: A240319002-1**

Communication System: UID 0, LTE-FDD (0); Frequency: 831.5 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 831.5$ MHz; $\sigma = 0.896$ S/m; $\epsilon_r = 41.336$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(9.26, 9.26, 9.26); Calibrated: 2023/11/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn373; Calibrated: 2024/1/3
- Phantom: SAM v5.0; Type: SAM; Serial: 1850
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Unnamed procedure/Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.340 W/kg

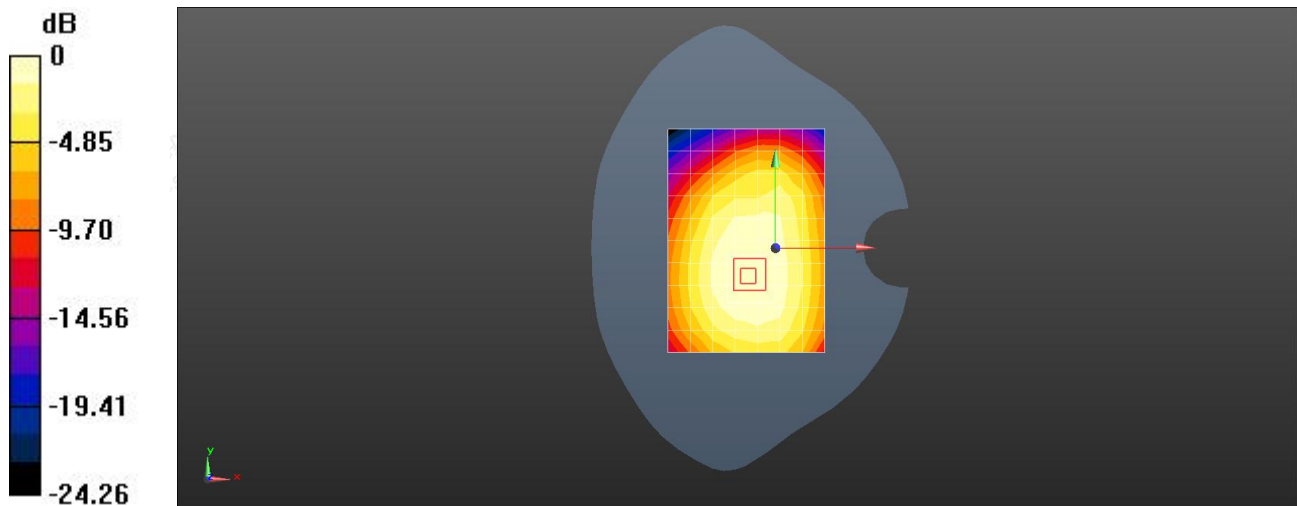
Configuration/Unnamed procedure/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.09 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.332 W/kg

SAR(1 g) = 0.278 W/kg; SAR(10 g) = 0.201 W/kg

Maximum value of SAR (measured) = 0.333 W/kg



0 dB = 0.333 W/kg = -4.78 dBW/kg



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Test Laboratory: LCS-SAR Lab

WiFi2.4G 6CH Rear side 0mm

DUT: GPS Tracker; Type: MT710; Serial: A240319002-1

Communication System: UID 0, Bluetooth (0); Frequency: 2437 MHz; Duty Cycle: 1:1.010

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.769$ S/m; $\epsilon_r = 39.575$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(7.42, 7.42, 7.42); Calibrated: 2023/11/23;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn373; Calibrated: 2024/1/3
- Phantom: SAM v5.0; Type: SAM; Serial: 1850
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Unnamed procedure/Area Scan (7x8x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 1.08 W/kg

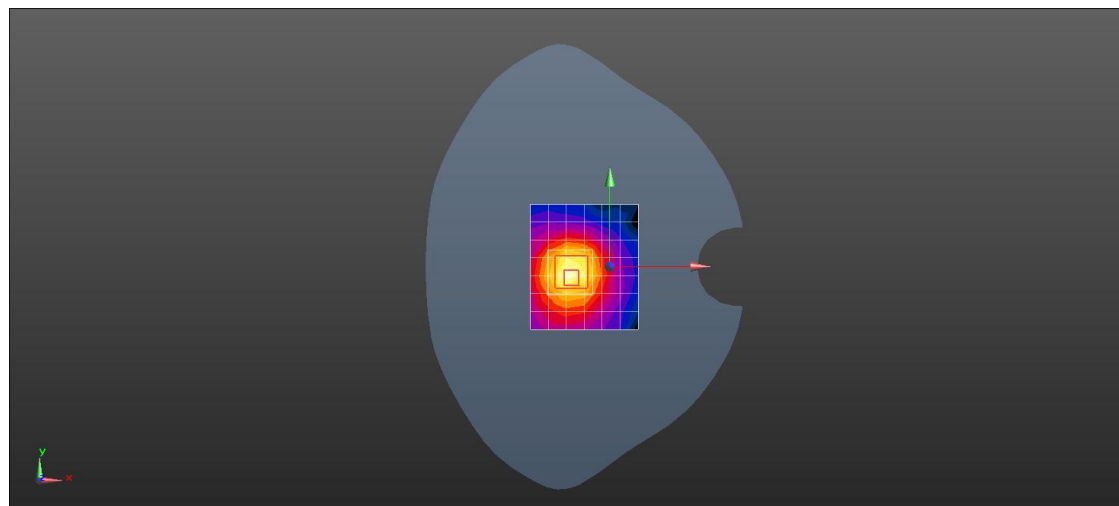
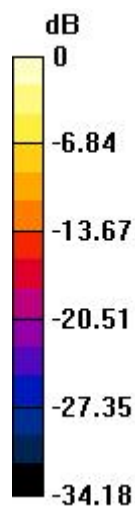
Configuration/Unnamed procedure/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.21 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 2.56 W/kg

SAR(1 g) = 0.230 W/kg; SAR(10 g) = 0.069 W/kg

Maximum value of SAR (measured) = 1.05 W/kg



0 dB = 1.05 W/kg = 0.22 dBW/kg