APPENDIX A: SYSTEM CHECKING SCANS

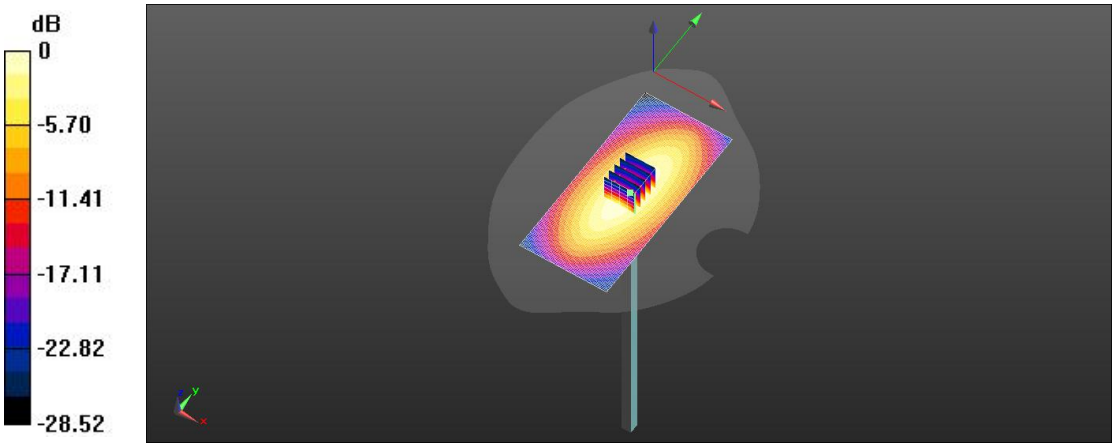
Dipole750V2

Communication System: UID 0, CW; Communication System Band: GSM 750 (747.0 - 763.0 MHz);
Frequency: 750 MHz;Communication System PAR: 0 dB; PMF: 1
Medium parameters used (interpolated): f = 750 MHz; σ = 0.92 S/m; ε_r = 42.29;ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3881; ConvF(9.9, 9.9, 9.9) @ 750 MHz; Calibrated: 2024-01-29
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn1637; Calibrated: 2023-10-20
- Phantom: SAM 1; Type: QD 000 P41 AA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Head/Dipole 750Area Scan (61x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 52.98 V/m; Power Drift = -0.17 dB
Fast SAR: SAR(1 g) = 2.11 W/kg; SAR(10 g) = 1.37 W/kg
Maximum value of SAR (interpolated) = 2.71 W/kg
Head/Dipole 750/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 52.98 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 2.96 W/kg
SAR(1 g) = 2.03 **W/kg; SAR(10 g) = 1.35 W/kg**
Smallest distance from peaks to all points 3 dB below = 23.7 mm
Ratio of SAR at M2 to SAR at M1 = 62.4%
Maximum value of SAR (measured) = 2.60 W/kg



0 dB = 2.71 W/kg = 4.33 dBW/kg

Dipole835V2

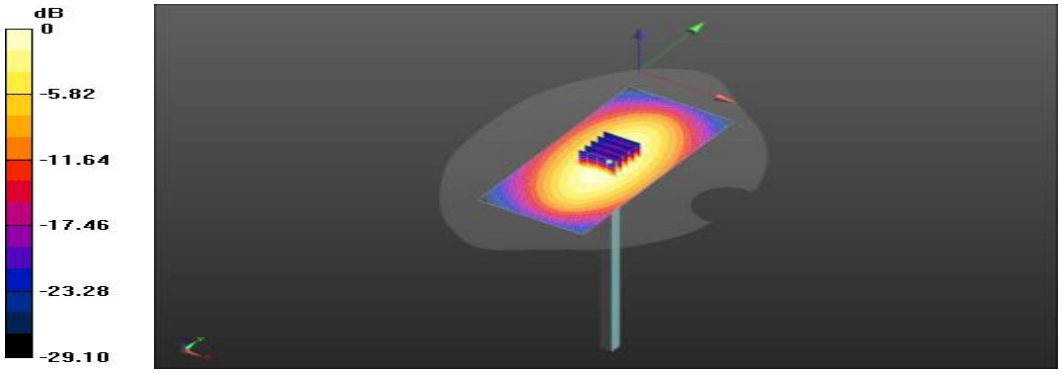
Communication System: UID 0, CW; Communication System Band: D835 (835.0 MHz); Frequency: 835 MHz;Communication System PAR: 0 dB; PMF: 1
Medium parameters used: f = 835 MHz; σ = 0.89 S/m; εr = 41.62; ρ = 1000 kg/m3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 –SN3881; ConvF(9.39, 9.39, 9.39) @ 835 MHz; Calibrated: 2024-01-29
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn1637; Calibrated: 2023-10-20
- Phantom: SAM 2; Type: QD 000 P41 AA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Head/Dipole 835/Area Scan (61x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 60.71 V/m; Power Drift = -0.10 dB
Fast SAR: SAR(1 g) = 2.44 W/kg; SAR(10 g) = 1.57 W/kg
Maximum value of SAR (interpolated) = 3.15 W/kg

Head/Dipole 835/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 60.71 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 3.68 W/kg
SAR(1 g) = 2.37 W/kg; SAR(10 g) = 1.57 W/kg
Smallest distance from peaks to all points 3 dB below = 18.3 mm
Ratio of SAR at M2 to SAR at M1 = 62.0%
Maximum value of SAR (measured) = 3.11 W/kg



0 dB = 3.15 W/kg = 4.98 dBW/kg

Dipole 1750V2

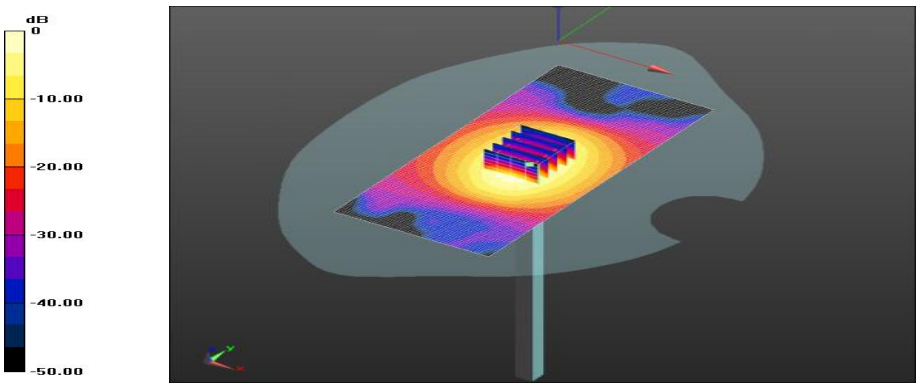
Communication System: UID 0, CW; Communication System Band: D1750 (1750.0 MHz); Frequency: 1750 MHz;Communication System PAR: 0 dB; PMF: 1
Medium parameters used: f = 1750 MHz; σ = 1.4 S/m; εr = 40.51; ρ = 1000 kg/m3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3881; ConvF(8.26, 8.26, 8.26) @ 1750 MHz; Calibrated: 2024-01-29
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn1637; Calibrated: 2023-10-20
- Phantom: SAM 1; Type: QD 000 P41 AA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Head/Dipole 1750/Area Scan (61x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 93.36 V/m; Power Drift = -0.07 dB
Fast SAR: SAR(1 g) = 8.86 W/g; SAR(10 g) = 4.73 W/g
Maximum value of SAR (interpolated) = 11.3 W/kg

Head/Dipole 1750/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 93.36 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 16.4 W/g
SAR(1 g) = 8.78 W/g; SAR(10 g) = 4.69 W/g
Smallest distance from peaks to all points 3 dB below = 9.9 mm
Ratio of SAR at M2 to SAR at M1 = 54.0%
Maximum value of SAR (measured) = 11.3 W/kg



0 dB = 11.3 W/kg = 10.54 dB W/kg

Dipole1900V2

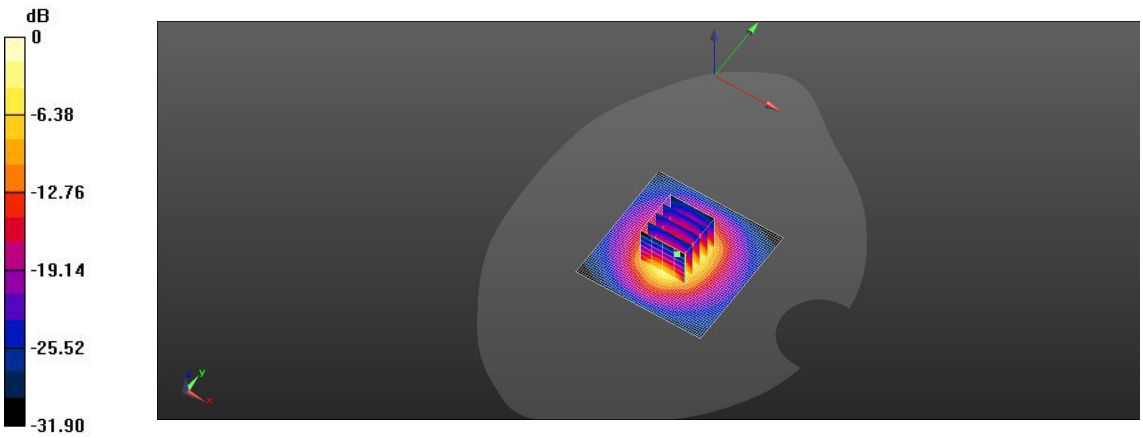
Communication System: UID 0, CW; Communication System Band: D1900 (1900.0 MHz); Frequency: 1900 MHz;Communication System PAR: 0 dB; PMF: 1
Medium parameters used: f = 1900 MHz; σ = 1.44 S/m; ε_r = 39.67; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3881; ConvF(7.95, 7.95, 7.95) @ 1900 MHz; Calibrated: 2024-01-29
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn1637; Calibrated: 2023-10-20
- Phantom: SAM 1; Type: QD 000 P41 AA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Head/Dipole 1900/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 102.6 V/m; Power Drift = -0.17 dB
Fast SAR: SAR(1 g) = 9.85 **W/kg; SAR(10 g) = 4.99 W/kg**
Maximum value of SAR (interpolated) = 12.6 W/kg

Head/Dipole 1900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 102.6 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 19.0 W/kg
SAR(1 g) = 9.76 **W/kg; SAR(10 g) = 4.94 W/kg**
Smallest distance from peaks to all points 3 dB below = 10 mm
Ratio of SAR at M2 to SAR at M1 = 53.1%
Maximum value of SAR (measured) = 12.3 W/kg



0 dB = 12.6 W/kg = 11.00 dBW/kg

Dipole2450V2

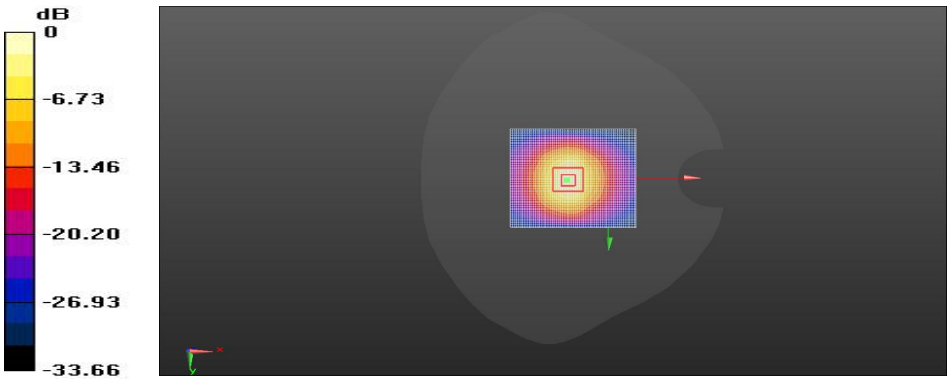
Communication System: UID 0, CW; Communication System Band: D2450 (2450.0 MHz); Frequency: 2450 MHz;Communication System PAR: 0 dB; PMF: 1
Medium parameters used: f = 2450 MHz; σ = 1.84 S/m; ε_r = 39.79; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3881; ConvF(7.51, 7.51, 7.51) @ 2450 MHz; Calibrated: 2024-01-29
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn1637; Calibrated: 2023-10-20
- Phantom: SAM 1; Type: QD 000 P41 AA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Head/Dipole 2450/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 110.9 V/m; Power Drift = 0.09 dB
Fast SAR: SAR(1 g) = 13.3 **W/kg; SAR(10 g) = 6.1 W/kg**
Maximum value of SAR (interpolated) = 16.6 W/kg

Head/Dipole 2450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 110.9 V/m; Power Drift =0.09 dB
Peak SAR (extrapolated) = 28.0 W/kg
SAR(1 g) = 13.2 W/kg; SAR(10 g) = 6.04 W/kg
Smallest distance from peaks to all points 3 dB below = 9 mm
Ratio of SAR at M2 to SAR at M1 = 46.7%
Maximum value of SAR (measured) = 16.7 W/kg



0 dB = 16.6 W/kg = 12.21 dBW/kg

Dipole2600V2

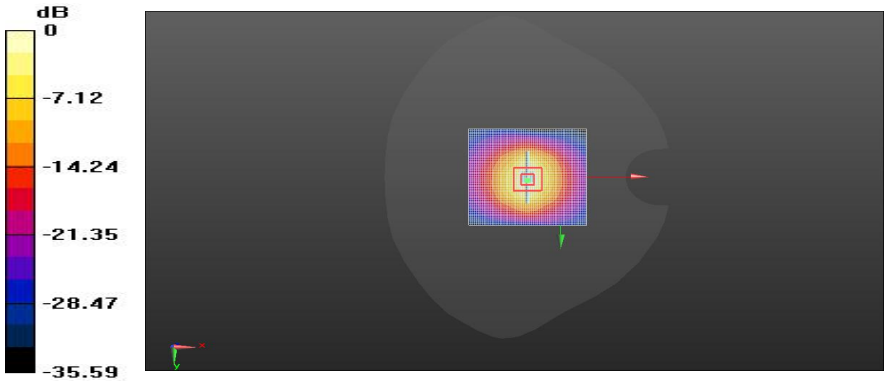
Communication System: UID 0, CW; Communication System Band: D2600 (2600.0 MHz); Frequency: 2600 MHz;Communication System PAR: 0 dB; PMF: 1
Medium parameters used: f = 2600 MHz; σ = 1.99 S/m; ε_r = 38.32; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3881; ConvF(7.31, 7.31, 7.31) @ 2600 MHz; Calibrated: 2024-01-29
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn1637; Calibrated: 2023-10-20
- Phantom: SAM 1; Type: QD 000 P41 AA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Head/Dipole 2600MHz/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 99.56 V/m; Power Drift = 0.11 dB
Fast SAR: SAR(1 g) = 14.1 **W/kg; SAR(10 g) = 6.35 W/kg**
Maximum value of SAR (interpolated) = 17.8W/kg

Head/Dipole 2600MHz/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 99.56 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 30.6 W/kg
SAR(1 g) = 14.1 **W/kg; SAR(10 g) = 6.34 W/kg**
Smallest distance from peaks to all points 3 dB below = 9.3 mm
Ratio of SAR at M2 to SAR at M1 = 44.5%
Maximum value of SAR (measured) = 17.5W/kg



0 dB = 17.8 W/kg = 12.51 dBW/kg

Dipole 5.2GV2

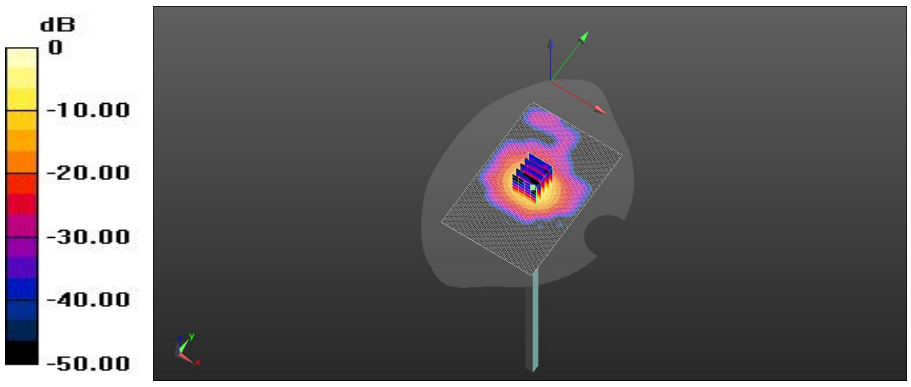
Communication System: UID 0, CW (0); Communication System Band: CW5250; Frequency: 5250 MHz;Communication System PAR: 0 dB; PMF: 1
Medium parameters used: f = 5250 MHz; σ = 4.64 S/m; ε_r = 35.5; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3881; ConvF(5.24, 5.24, 5.24) @ 5250 MHz; Calibrated: 2024-01-29
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn1637; Calibrated: 2023-10-20
- Phantom: SAM 2; Type: QD 000 P41 AA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Head/Dipole 5.25G/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 63.62 V/m; Power Drift = 0.15 dB
Fast SAR: SAR(1 g) = 7.54 W/kg; SAR(10 g) = 2.14 W/kg
Maximum value of SAR (interpolated) = 9.62 W/kg

Head/Dipole 5.25G/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 63.62 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 30.9 W/kg
SAR(1 g) = 7.48 W/kg; SAR(10 g) = 2.14 W/kg
Smallest distance from peaks to all points 3 dB below = 7.4 mm
Ratio of SAR at M2 to SAR at M1 = 65.2%
Maximum value of SAR (measured) = 9.46 W/kg



0 dB = 9.62 W/kg = 9.83 dBW/kg

Dipole 5.6GV2

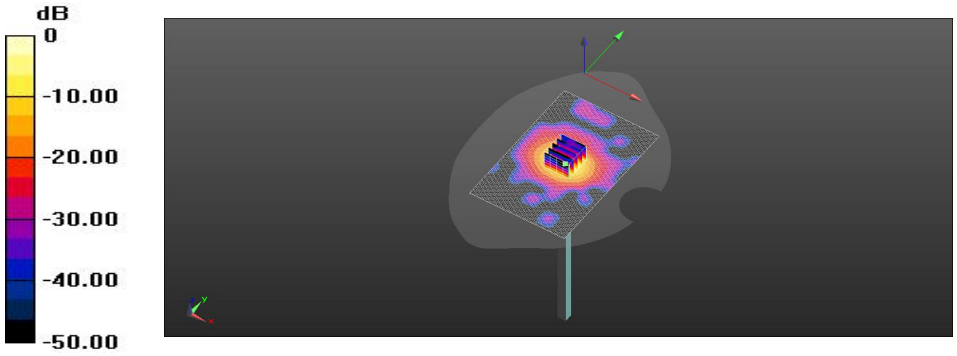
Communication System: UID 0, CW (0); Communication System Band: CW5600; Frequency: 5600 MHz;Communication System PAR: 0 dB; PMF: 1
Medium parameters used: f = 5600 MHz; σ = 4.96 S/m; ε_r = 34.99; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3881; ConvF(4.60, 4.60, 4.60) @ 5600 MHz; Calibrated: 2024-01-29
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn1637; Calibrated: 2023-10-20
- Phantom: SAM 2; Type: QD 000 P41 AA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Head/Dipole 5.6G/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 63.41 V/m; Power Drift = -0.11 dB
Fast SAR: SAR(1 g) = 7.93 W/kg; SAR(10 g) = 2.25 W/kg
Maximum value of SAR (interpolated) = 10.0 W/kg

Head/Dipole 5.6G/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 63.41 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 35.7 W/kg
SAR(1 g) = 7.87 W/kg; SAR(10 g) = 2.21 W/kg
Smallest distance from peaks to all points 3 dB below = 7.3 mm
Ratio of SAR at M2 to SAR at M1 = 64.2%
Maximum value of SAR (measured) = 9.9 W/kg



0 dB = 10.0 W/kg = 9.98 dBW/kg

Date/Time: 2024/04/23

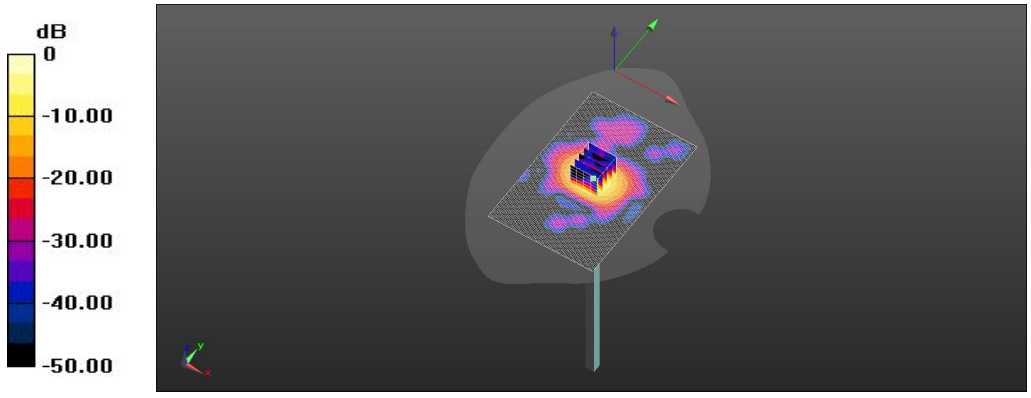
Dipole 5.75GV2

Communication System: UID 0, CW (0); Communication System Band: CW5750; Frequency: 5750 MHz;Communication System PAR: 0 dB; PMF: 1
Medium parameters used: f = 5750 MHz; σ = 5.3 S/m; ε_r = 35.71; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3881; ConvF(4.68, 4.68, 4.68) @ 5750 MHz; Calibrated: 2024-01-29
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn1637; Calibrated: 2023-10-20
- Phantom: SAM 2; Type: QD 000 P41 AA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Head/Dipole 5.75G/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 64.90 V/m; Power Drift = 0.09 dB
Fast SAR: SAR(1 g) = 8.07 W/kg; SAR(10 g) = 2.3 W/kg
Maximum value of SAR (interpolated) = 10.3 W/kg
Head/Dipole 5.75G/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 64.90 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 37.6 W/kg
SAR(1 g) = 7.95 W/kg; SAR(10 g) = 2.27 W/kg
Smallest distance from peaks to all points 3 dB below = 7.2 mm
Ratio of SAR at M2 to SAR at M1 = 60.5%
Maximum value of SAR (measured) = 9.83 W/kg



0 dB = 10.3 W/kg = 10.13 dBW/kg