Test Plot 1#: WCDMA Band 2_Face Up_Middle

DUT: IP Trunking Radio; Type: TH-682; Serial: 18092605021

Communication System: Generic WCDMA; Frequency: 1880 MHz;Duty Cycle: 1:1

Medium parameters used: f = 1880 MHz; σ = 1.369 S/m; ε_r = 40.392; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(8.1, 8.1, 8.1); Calibrated: 2018/9/30;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2018/9/28
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: 1412
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (61x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
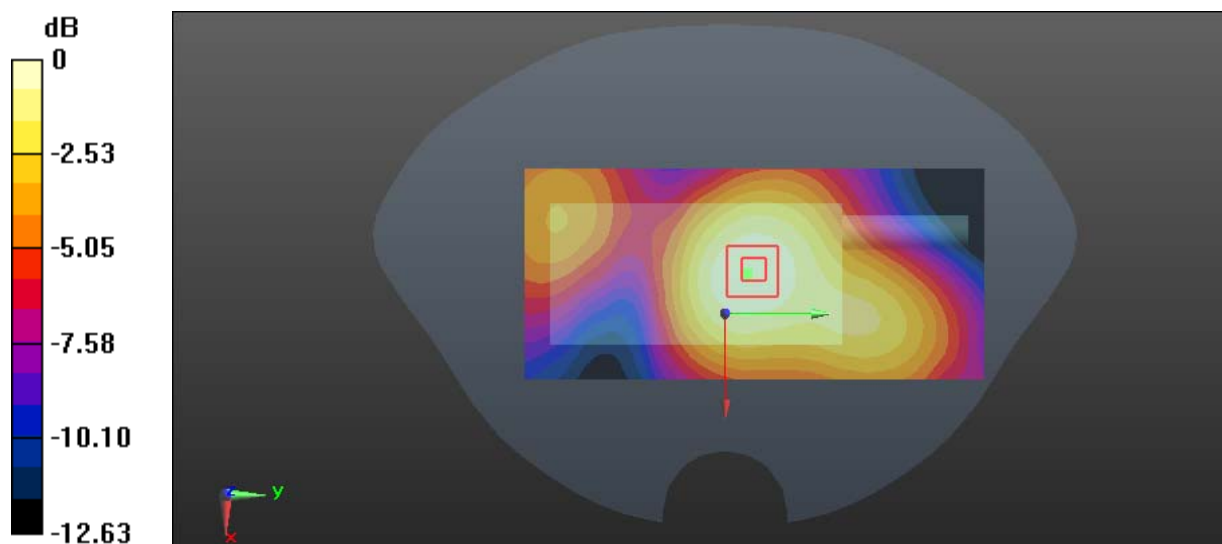
Maximum value of SAR (interpolated) = 0.201 W/kg

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

Reference Value = 11.90 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.228 W/kg

SAR(1 g) = 0.145 W/kg; SAR(10 g) = 0.095 W/kg

Maximum value of SAR (measured) = 0.197 W/kg

0 dB = 0.197 W/kg = -7.06 dBW/kg

Test Plot 2#: WCDMA Band 2_Face Up_Middle

DUT: IP Trunking Radio; Type: TH-518U; Serial: 18092605022

Communication System: Generic WCDMA; Frequency: 1880 MHz;Duty Cycle: 1:1

Medium parameters used: f = 1880 MHz; σ = 1.369 S/m; ε_r = 40.392; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(8.1, 8.1, 8.1); Calibrated: 2018/9/30;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2018/9/28
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: 1412
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (61x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

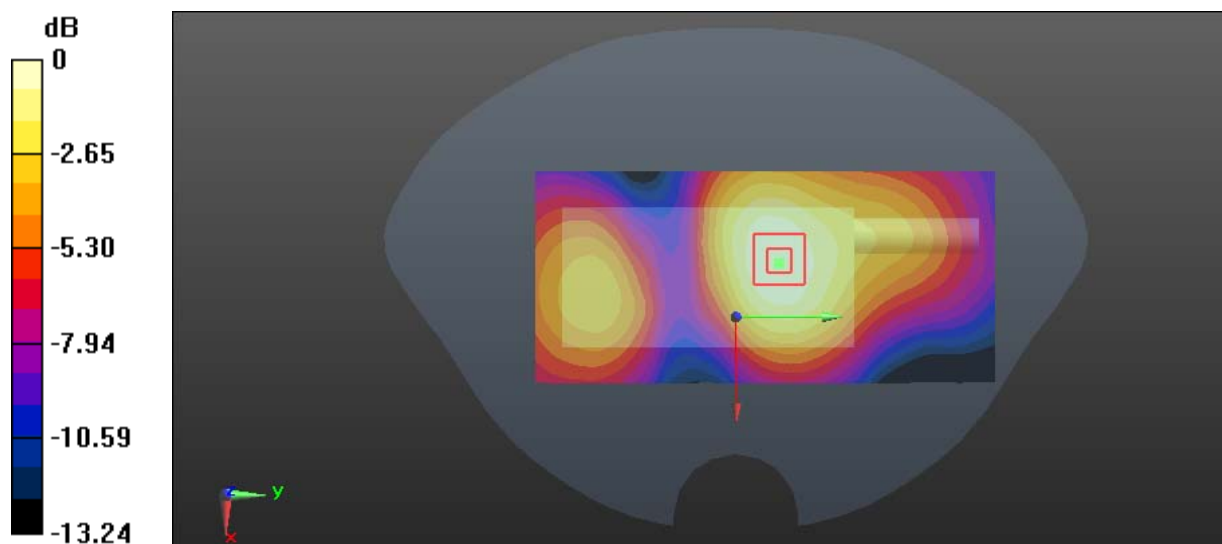Maximum value of SAR (interpolated) = 0.168 W/kg

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

Reference Value = 9.201 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.192 W/kg

SAR(1 g) = 0.122 W/kg; SAR(10 g) = 0.079 W/kg

Maximum value of SAR (measured) = 0.166 W/kg

0 dB = 0.166 W/kg = -7.80 dBW/kg

Test Plot 3#: WCDMA Band 2_Body Back_Middle

DUT: IP Trunking Radio; Type: TH-682; Serial: 18092605021

Communication System: Generic WCDMA; Frequency: 1880 MHz;Duty Cycle: 1:1

Medium parameters used: f = 1880 MHz; σ = 1.492 S/m; ε_r = 54.117; ρ = 1000 kg/m^3

Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(7.7, 7.7, 7.7); Calibrated: 2018/9/30;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2018/9/28
- Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1130
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (131x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
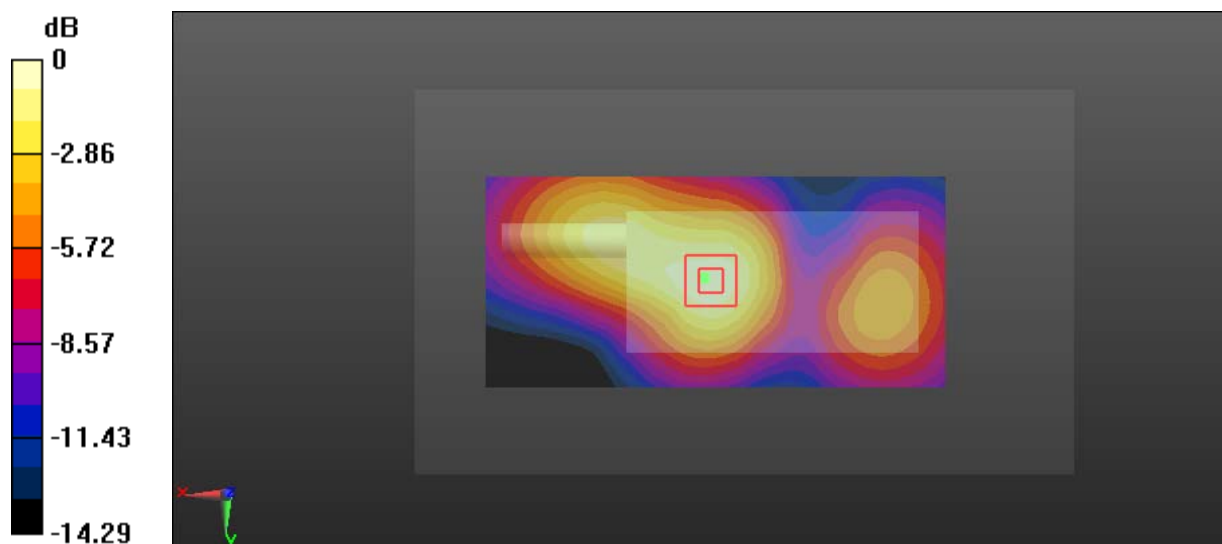
Maximum value of SAR (interpolated) = 0.361 W/kg

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

Reference Value = 13.79 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.426 W/kg

SAR(1 g) = 0.275 W/kg; SAR(10 g) = 0.171 W/kg

Maximum value of SAR (measured) = 0.370 W/kg

0 dB = 0.370 W/kg = -4.32 dBW/kg

Test Plot 4#: WCDMA Band 2_Body Back_Middle

DUT: IP Trunking Radio; Type: TH-518U; Serial: 18092605022

Communication System: Generic WCDMA; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: f = 1880 MHz; σ = 1.492 S/m; ε_r = 54.117; ρ = 1000 kg/m^3

Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(7.7, 7.7, 7.7); Calibrated: 2018/9/30;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2018/9/28
- Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1130
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (131x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
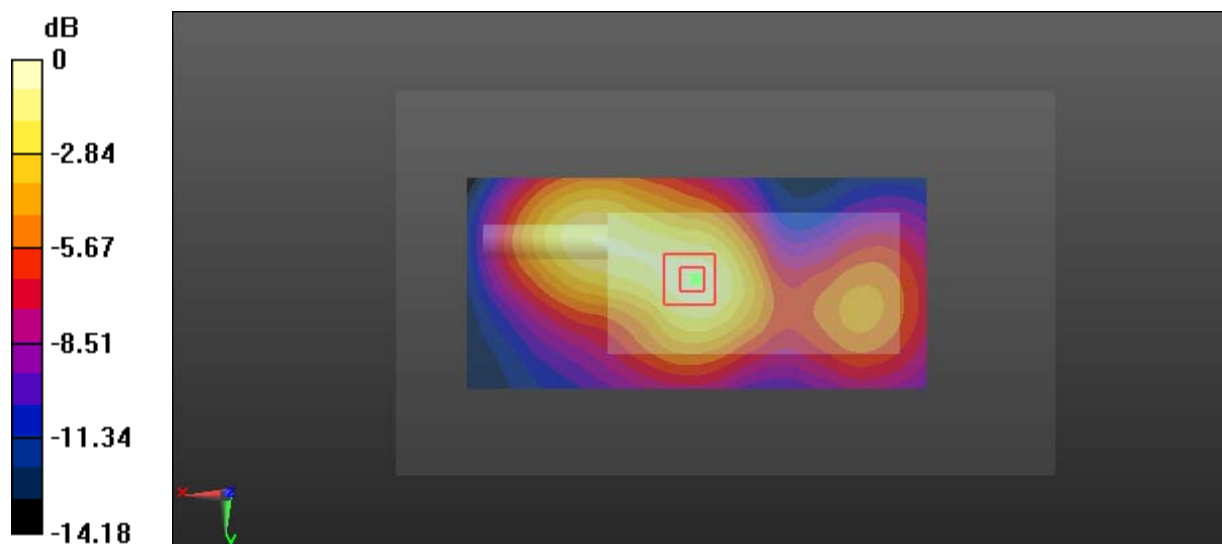
Maximum value of SAR (interpolated) = 0.216 W/kg

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

Reference Value = 11.00 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.263 W/kg

SAR(1 g) = 0.165 W/kg; SAR(10 g) = 0.103 W/kg

Maximum value of SAR (measured) = 0.228 W/kg

0 dB = 0.228 W/kg = -6.42 dBW/kg

Test Plot 5#: WCDMA Band 5_Face Up_Middle

DUT: IP Trunking Radio; Type: TH-682; Serial: 18092605021

Communication System: Generic WCDMA; Frequency: 836.6 MHz;Duty Cycle: 1:1

Medium parameters used: f = 836.6 MHz; σ = 0.911 S/m; ε_r = 42.347; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(10.01, 10.01, 10.01); Calibrated: 2018/9/30;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2018/9/28
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: 1412
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (61x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

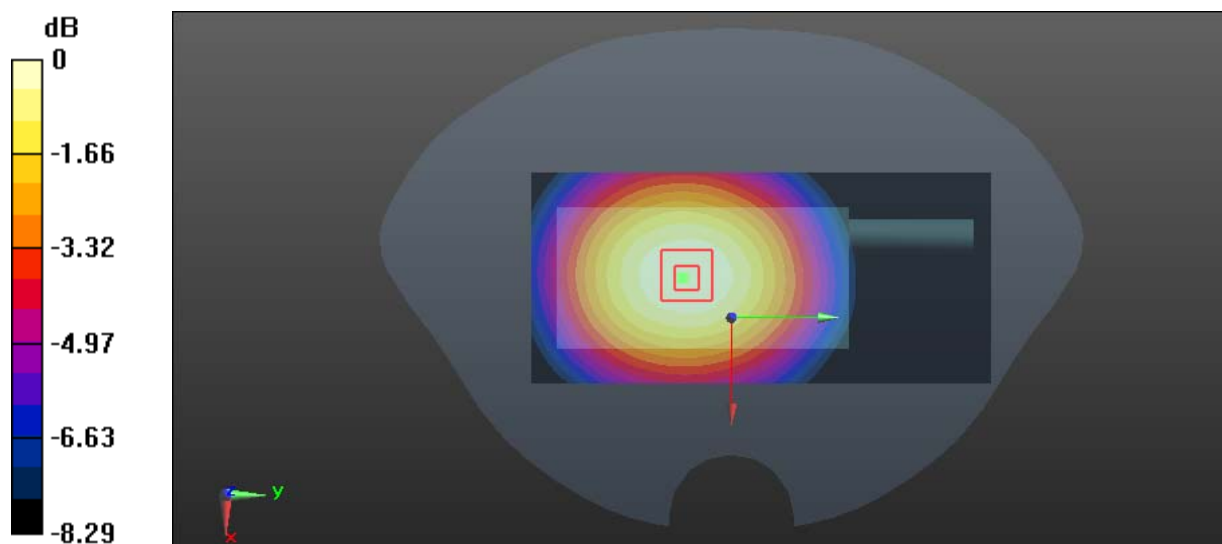Maximum value of SAR (interpolated) = 0.195 W/kg

Zoom Scan (5x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.19 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.212 W/kg

SAR(1 g) = 0.156 W/kg; SAR(10 g) = 0.116 W/kg

Maximum value of SAR (measured) = 0.193 W/kg

0 dB = 0.193 W/kg = -7.14 dBW/kg

Test Plot 6#: WCDMA Band 5_Face Up_Middle

DUT: IP Trunking Radio; Type: TH-518U; Serial: 18092605022

Communication System: Generic WCDMA; Frequency: 836.6 MHz;Duty Cycle: 1:1

Medium parameters used: f = 836.6 MHz; σ = 0.911 S/m; ε_r = 42.347; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(10.01, 10.01, 10.01); Calibrated: 2018/9/30;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2018/9/28
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: 1412
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (61x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

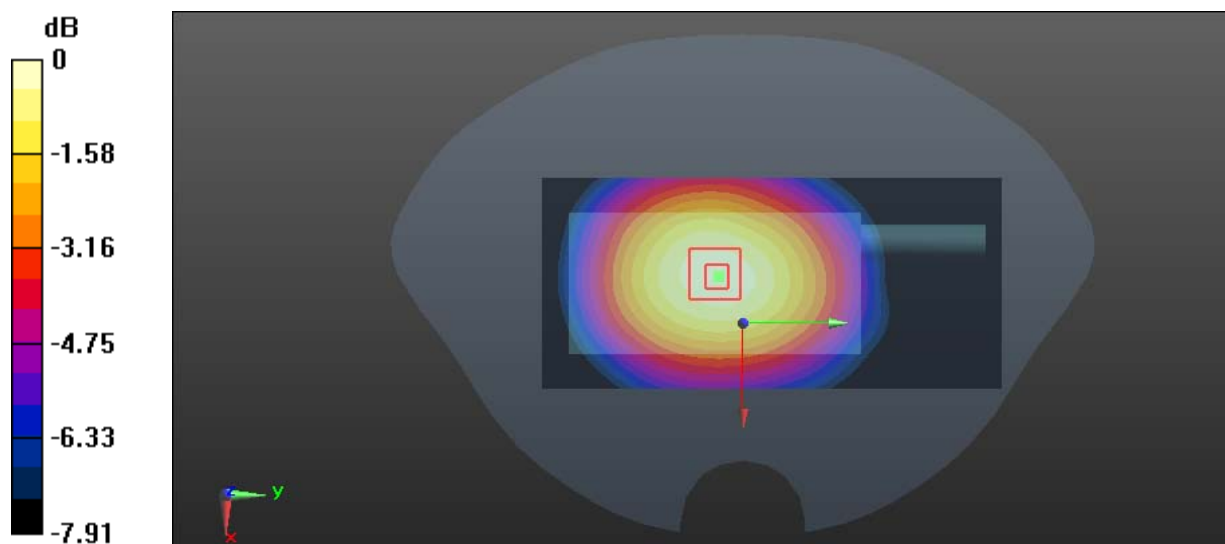Maximum value of SAR (interpolated) = 0.126 W/kg

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

Reference Value = 12.27 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.143 W/kg

SAR(1 g) = 0.104 W/kg; SAR(10 g) = 0.078 W/kg

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

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

Test Plot 7#: WCDMA Band 5_Body Back_Middle

DUT: IP Trunking Radio; Type: TH-682; Serial: 18092605021

Communication System: Generic WCDMA; Frequency: 836.6 MHz; Duty Cycle: 1:1

Medium parameters used: f = 836.6 MHz; σ = 0.962 S/m; ε_r = 57.31; ρ = 1000 kg/m^3

Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(10.23, 10.23, 10.23); Calibrated: 2018/9/30;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2018/9/28
- Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1130
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (131x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

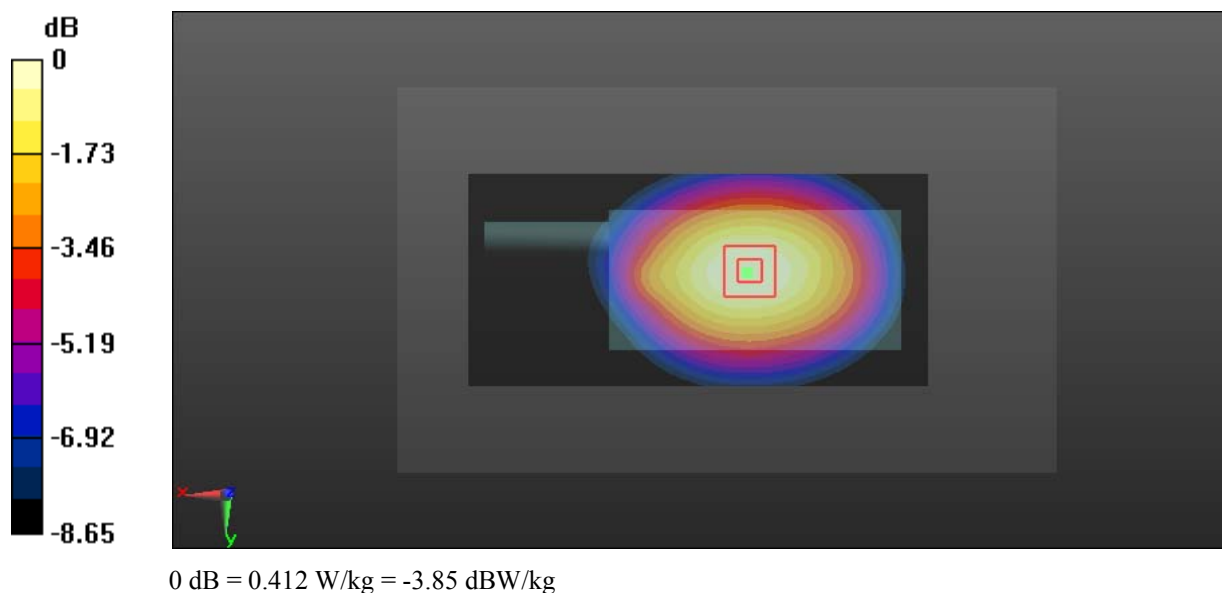Maximum value of SAR (interpolated) = 0.412 W/kg

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

Reference Value = 21.35 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.454 W/kg

SAR(1 g) = 0.329 W/kg; SAR(10 g) = 0.239 W/kg

Maximum value of SAR (measured) = 0.412 W/kg

0 dB = 0.412 W/kg = -3.85 dBW/kg

Test Plot 8#: WCDMA Band 5_Body Back_Middle

DUT: IP Trunking Radio; Type: TH-518U; Serial: 18092605022

Communication System: Generic WCDMA; Frequency: 836.6 MHz;Duty Cycle: 1:1

Medium parameters used: f = 836.6 MHz; σ = 0.962 S/m; ε_r = 57.31; ρ = 1000 kg/m^3

Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(10.23, 10.23, 10.23); Calibrated: 2018/9/30;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2018/9/28
- Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1130
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (131x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

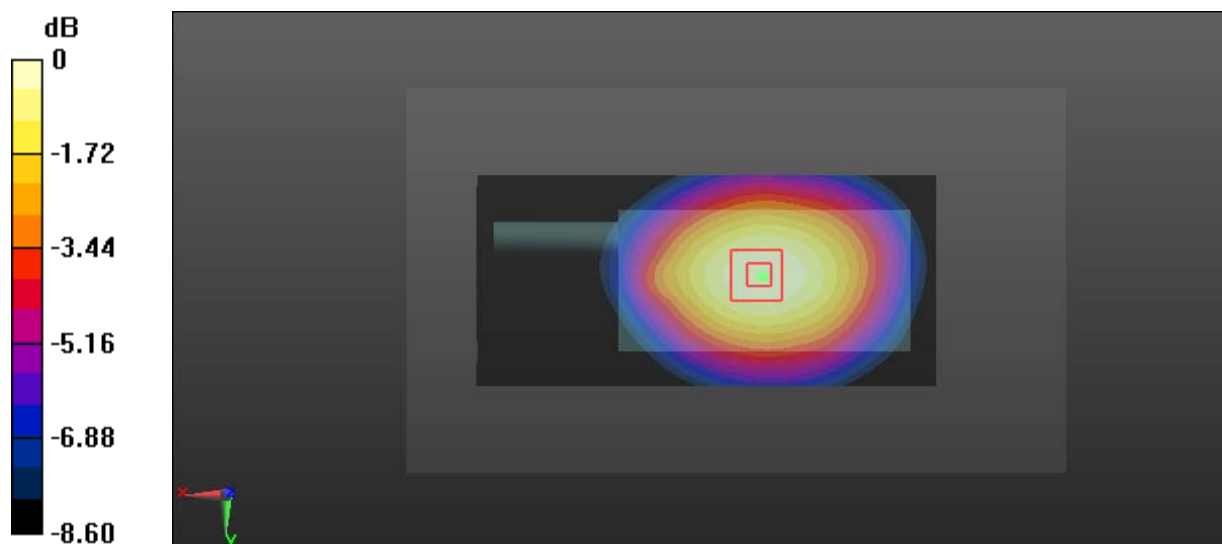Maximum value of SAR (interpolated) = 0.425 W/kg

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

Reference Value = 21.19 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.468 W/kg

SAR(1 g) = 0.339 W/kg; SAR(10 g) = 0.246 W/kg

Maximum value of SAR (measured) = 0.422 W/kg

0 dB = 0.422 W/kg = -3.75 dBW/kg

Test Plot 9#: LTE Band 2 1RB_Face Up_Middle

DUT: IP Trunking Radio; Type: TH-682; Serial: 18092605021

Communication System: Generic FDD-LTE; Frequency: 1880 MHz;Duty Cycle: 1:1

Medium parameters used: f = 1880 MHz; σ = 1.369 S/m; ε_r = 40.392; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(8.1, 8.1, 8.1); Calibrated: 2018/9/30;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2018/9/28
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: 1412
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (61x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
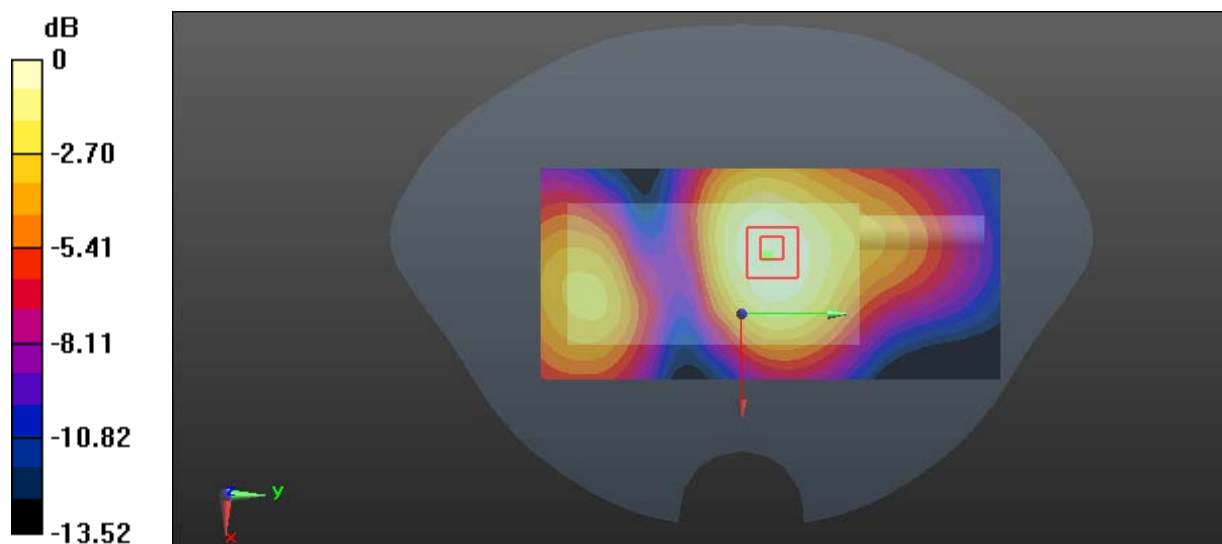
Maximum value of SAR (interpolated) = 0.287 W/kg

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

Reference Value = 13.34 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.331 W/kg

SAR(1 g) = 0.211 W/kg; SAR(10 g) = 0.137 W/kg

Maximum value of SAR (measured) = 0.287 W/kg

0 dB = 0.287 W/kg = -5.42 dBW/kg

Test Plot 10#: LTE Band 2 50%RB_Face Up_Middle

DUT: IP Trunking Radio; Type: TH-682; Serial: 18092605021

Communication System: Generic FDD-LTE; Frequency: 1880 MHz;Duty Cycle: 1:1

Medium parameters used: f = 1880 MHz; σ = 1.369 S/m; ε_r = 40.392; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(8.1, 8.1, 8.1); Calibrated: 2018/9/30;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2018/9/28
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: 1412
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (61x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

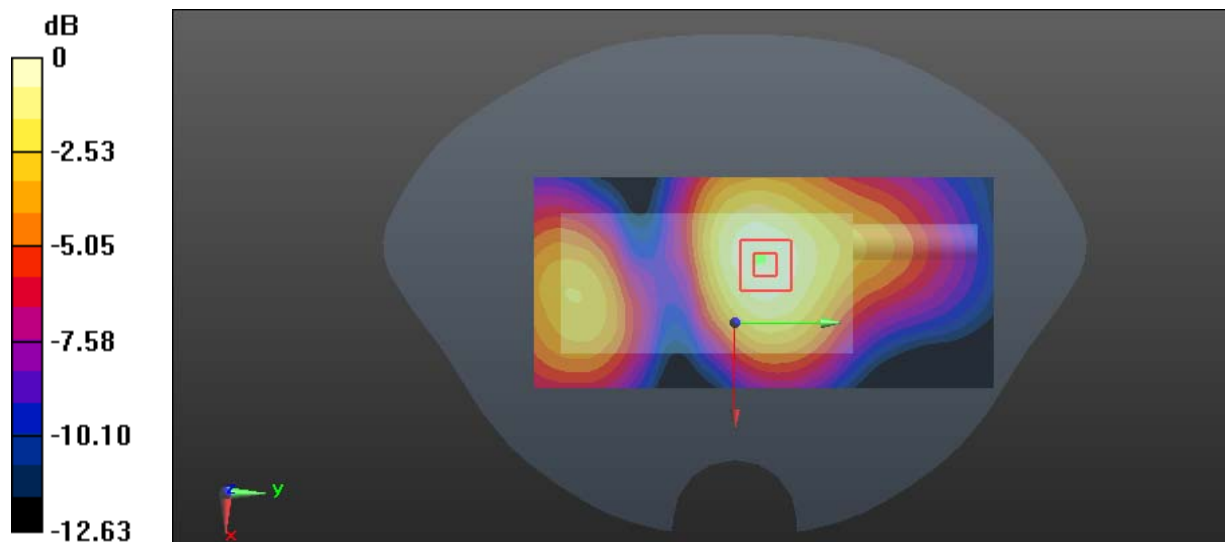Maximum value of SAR (interpolated) = 0.225 W/kg

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

Reference Value = 11.28 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.265 W/kg

SAR(1 g) = 0.169 W/kg; SAR(10 g) = 0.109 W/kg

Maximum value of SAR (measured) = 0.228 W/kg

0 dB = 0.228 W/kg = -6.42 dBW/kg

Test Plot 11#: LTE Band 2 1RB_Face Up_Middle

DUT: IP Trunking Radio; Type: TH-518U; Serial: 18092605022

Communication System: Generic FDD-LTE; Frequency: 1880 MHz;Duty Cycle: 1:1

Medium parameters used: f = 1880 MHz; σ = 1.369 S/m; ε_r = 40.392; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(8.1, 8.1, 8.1); Calibrated: 2018/9/30;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2018/9/28
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: 1412
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (61x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

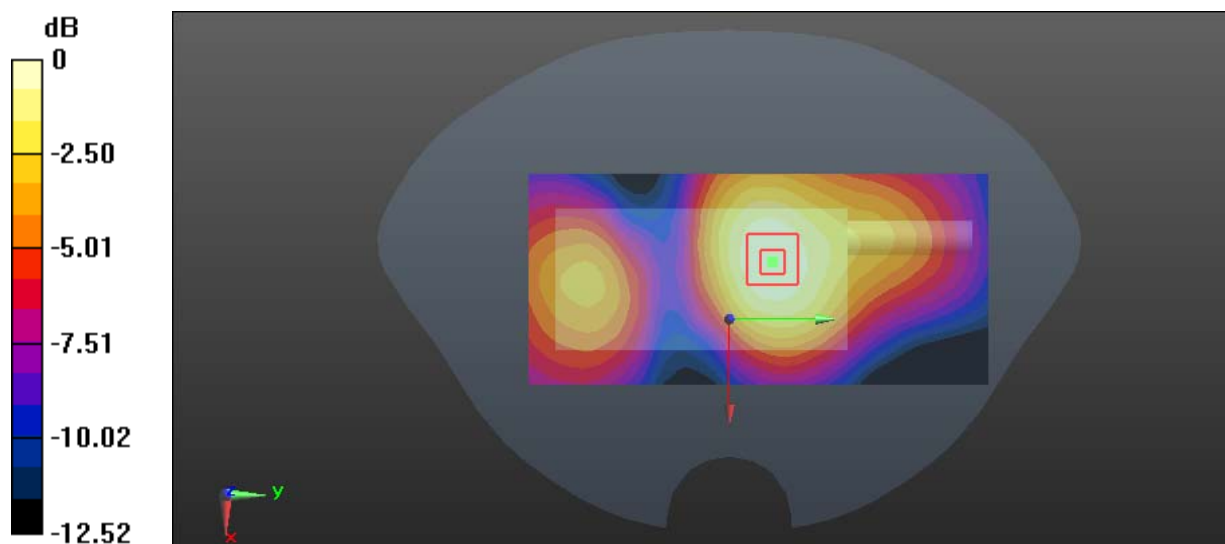Maximum value of SAR (interpolated) = 0.175 W/kg

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

Reference Value = 8.603 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.202 W/kg

SAR(1 g) = 0.127 W/kg; SAR(10 g) = 0.082 W/kg

Maximum value of SAR (measured) = 0.175 W/kg

0 dB = 0.175 W/kg = -7.57 dBW/kg

Test Plot 12#: LTE Band 2 1RB_Body Back_Middle

DUT: IP Trunking Radio; Type: TH-682; Serial: 18092605021

Communication System: Generic FDD-LTE; Frequency: 1880 MHz;Duty Cycle: 1:1

Medium parameters used: f = 1880 MHz; σ = 1.492 S/m; ε_r = 54.117; ρ = 1000 kg/m^3

Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(7.7, 7.7, 7.7); Calibrated: 2018/9/30;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2018/9/28
- Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1130
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (131x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
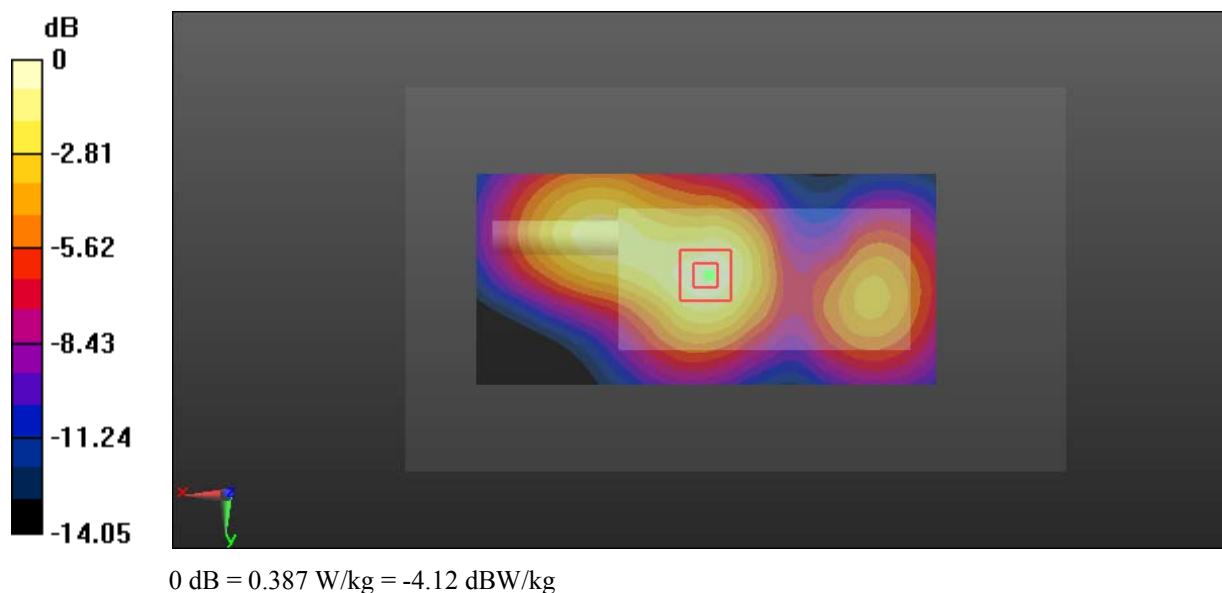
Maximum value of SAR (interpolated) = 0.367 W/kg

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

Reference Value = 14.54 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.444 W/kg

SAR(1 g) = 0.284 W/kg; SAR(10 g) = 0.176 W/kg

Maximum value of SAR (measured) = 0.387 W/kg

0 dB = 0.387 W/kg = -4.12 dBW/kg

Test Plot 13#: LTE Band 2 50%RB_Body Back_Middle

DUT: IP Trunking Radio; Type: TH-682; Serial: 18092605021

Communication System: Generic FDD-LTE; Frequency: 1880 MHz;Duty Cycle: 1:1

Medium parameters used: f = 1880 MHz; σ = 1.492 S/m; ε_r = 54.117; ρ = 1000 kg/m^3

Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(7.7, 7.7, 7.7); Calibrated: 2018/9/30;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2018/9/28
- Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1130
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (131x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

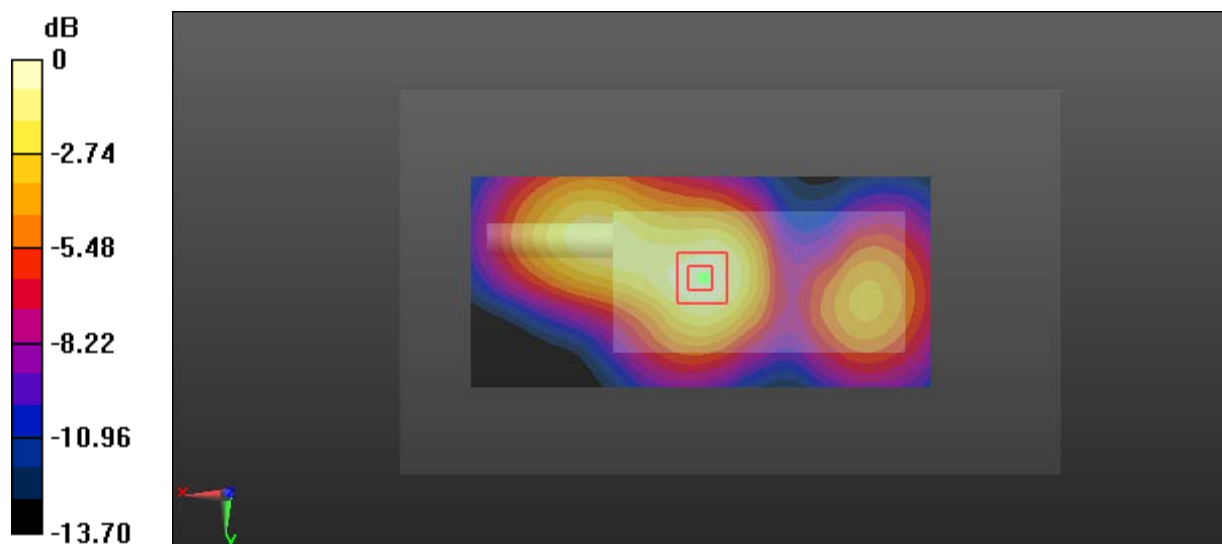Maximum value of SAR (interpolated) = 0.311 W/kg

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

Reference Value = 13.40 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.359 W/kg

SAR(1 g) = 0.230 W/kg; SAR(10 g) = 0.143 W/kg

Maximum value of SAR (measured) = 0.312 W/kg

0 dB = 0.312 W/kg = -5.06 dBW/kg

Test Plot 14#: LTE Band 2 1RB_Body Back_Middle

DUT: IP Trunking Radio; Type: TH-518U; Serial: 18092605022

Communication System: Generic FDD-LTE; Frequency: 1880 MHz;Duty Cycle: 1:1

Medium parameters used: f = 1880 MHz; σ = 1.492 S/m; ε_r = 54.117; ρ = 1000 kg/m^3

Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(7.7, 7.7, 7.7); Calibrated: 2018/9/30;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2018/9/28
- Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1130
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (131x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
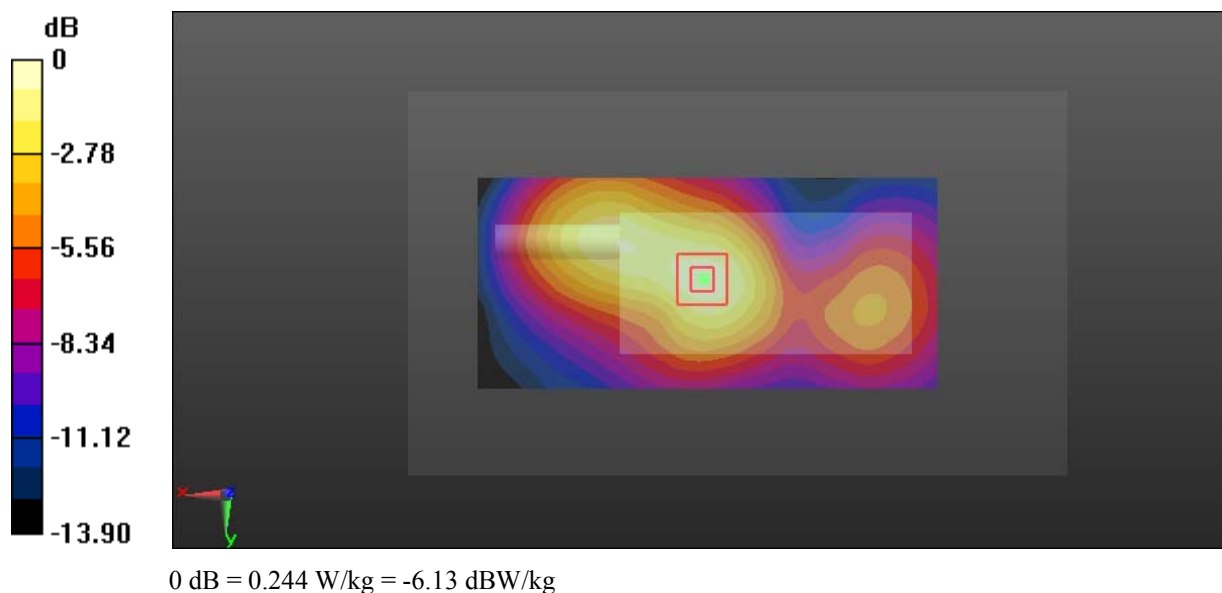
Maximum value of SAR (interpolated) = 0.226 W/kg

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

Reference Value = 10.98 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.279 W/kg

SAR(1 g) = 0.178 W/kg; SAR(10 g) = 0.112 W/kg

Maximum value of SAR (measured) = 0.244 W/kg

0 dB = 0.244 W/kg = -6.13 dBW/kg

Test Plot 15#: LTE Band 4 1RB_Face Up_Middle

DUT: IP Trunking Radio; Type: TH-682; Serial: 18092605021

Communication System: Generic FDD-LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1

Medium parameters used: f = 1732.5 MHz; σ = 1.347 S/m; $ε_r$ = 41.133; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(8.35, 8.35, 8.35); Calibrated: 2018/9/30;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2018/9/28
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: 1412
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (61x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
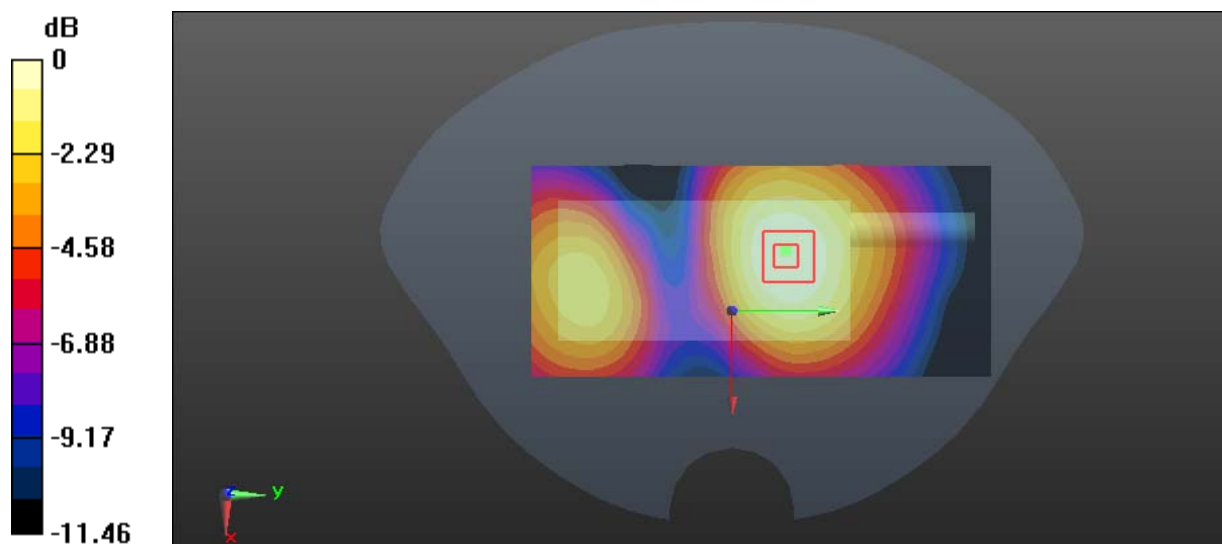
Maximum value of SAR (interpolated) = 0.186 W/kg

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

Reference Value = 9.315 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.206 W/kg

SAR(1 g) = 0.136 W/kg; SAR(10 g) = 0.091 W/kg

Maximum value of SAR (measured) = 0.181 W/kg

0 dB = 0.181 W/kg = -7.42 dBW/kg

Test Plot 16#: LTE Band 4 50%RB_Face Up_Middle

DUT: IP Trunking Radio; Type: TH-682; Serial: 18092605021

Communication System: Generic FDD-LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1

Medium parameters used: f = 1732.5 MHz; σ = 1.347 S/m; ε_r = 41.133; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(8.35, 8.35, 8.35); Calibrated: 2018/9/30;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2018/9/28
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: 1412
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (61x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

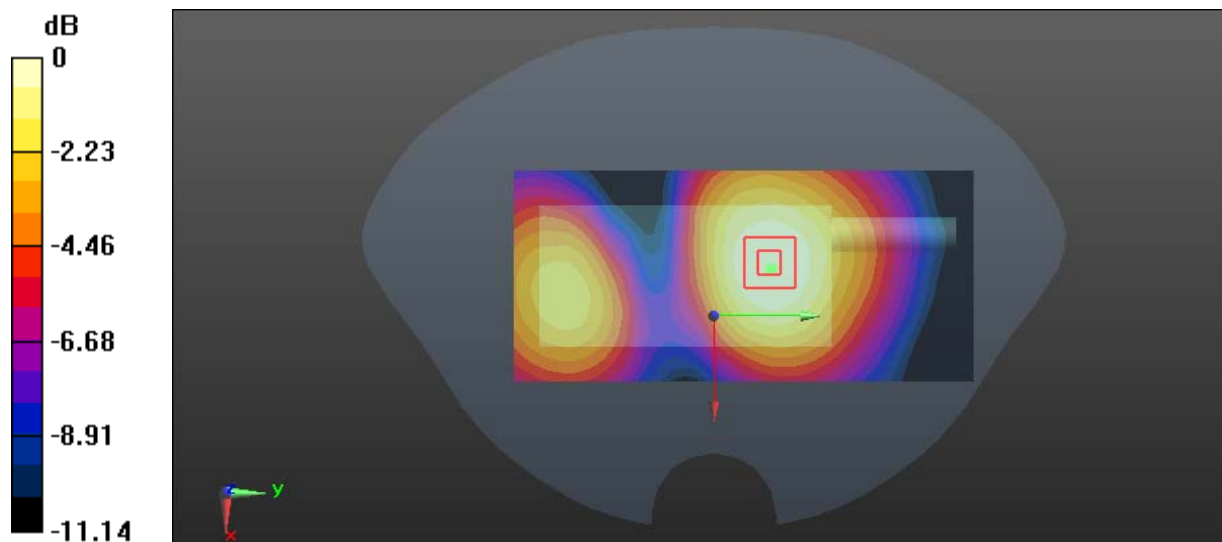Maximum value of SAR (interpolated) = 0.141 W/kg

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

Reference Value = 7.892 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.157 W/kg

SAR(1 g) = 0.103 W/kg; SAR(10 g) = 0.069 W/kg

Maximum value of SAR (measured) = 0.137 W/kg

0 dB = 0.137 W/kg = -8.63 dBW/kg

Test Plot 17#: LTE Band 4 1RB_Face Up_Middle

DUT: IP Trunking Radio; Type: TH-518U; Serial: 18092605022

Communication System: Generic FDD-LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1

Medium parameters used: f = 1732.5 MHz; σ = 1.347 S/m; ε_r = 41.133; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(8.35, 8.35, 8.35); Calibrated: 2018/9/30;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2018/9/28
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: 1412
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (61x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

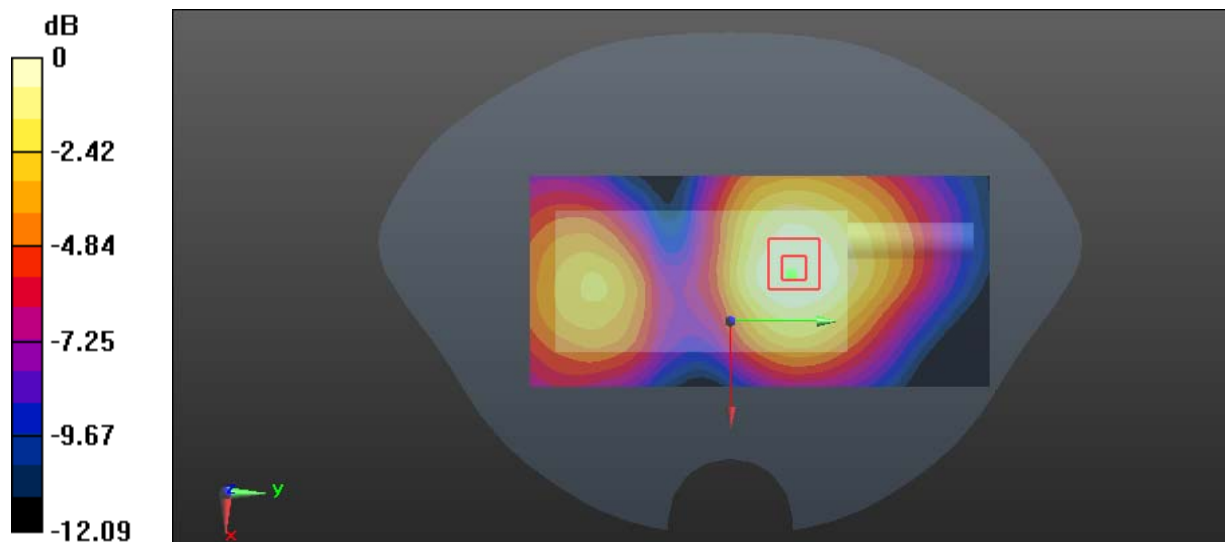Maximum value of SAR (interpolated) = 0.150 W/kg

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

Reference Value = 7.579 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.164 W/kg

SAR(1 g) = 0.107 W/kg; SAR(10 g) = 0.071 W/kg

Maximum value of SAR (measured) = 0.143 W/kg

0 dB = 0.143 W/kg = -8.45 dBW/kg

Test Plot 18#: LTE Band 4 1RB_Body Back_Middle

DUT: IP Trunking Radio; Type: TH-682; Serial: 18092605021

Communication System: Generic FDD-LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1

Medium parameters used: f = 1732.5 MHz; σ = 1.529 S/m; ε_r = 52.744; ρ = 1000 kg/m^3

Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(8.05, 8.05, 8.05); Calibrated: 2018/9/30;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2018/9/28
- Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1130
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (131x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

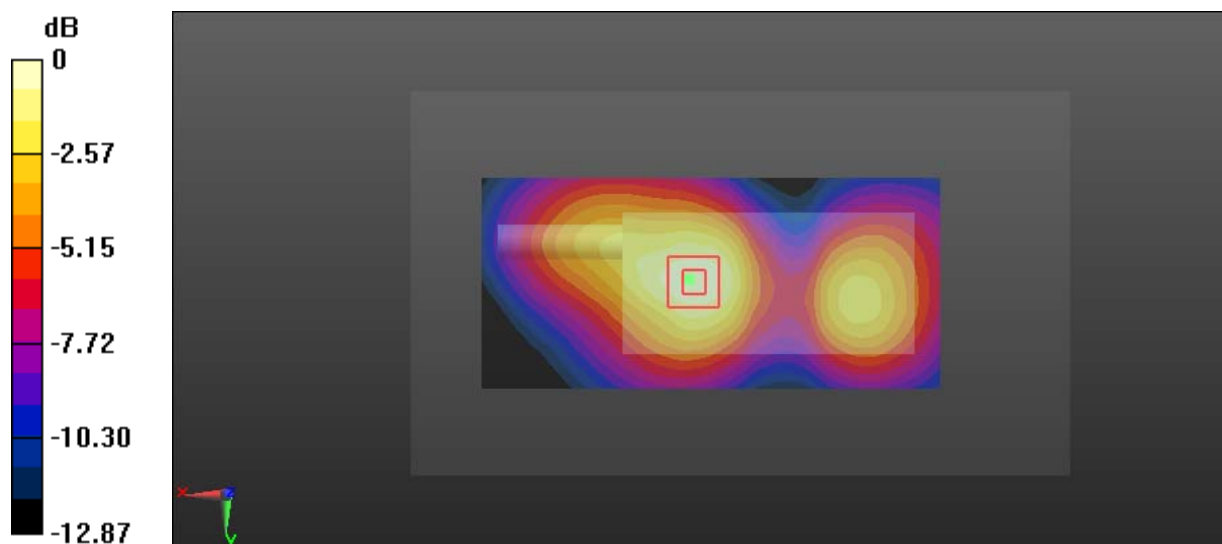Maximum value of SAR (interpolated) = 0.399 W/kg

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

Reference Value = 13.03 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.462 W/kg

SAR(1 g) = 0.313 W/kg; SAR(10 g) = 0.204 W/kg

Maximum value of SAR (measured) = 0.410 W/kg

0 dB = 0.410 W/kg = -3.87 dBW/kg

Test Plot 19#: LTE Band 4 50%RB_Body Back_Middle

DUT: IP Trunking Radio; Type: TH-682; Serial: 18092605021

Communication System: Generic FDD-LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1

Medium parameters used: f = 1732.5 MHz; σ = 1.529 S/m; ε_r = 52.744; ρ = 1000 kg/m³

Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(8.05, 8.05, 8.05); Calibrated: 2018/9/30;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2018/9/28
- Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1130
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (131x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

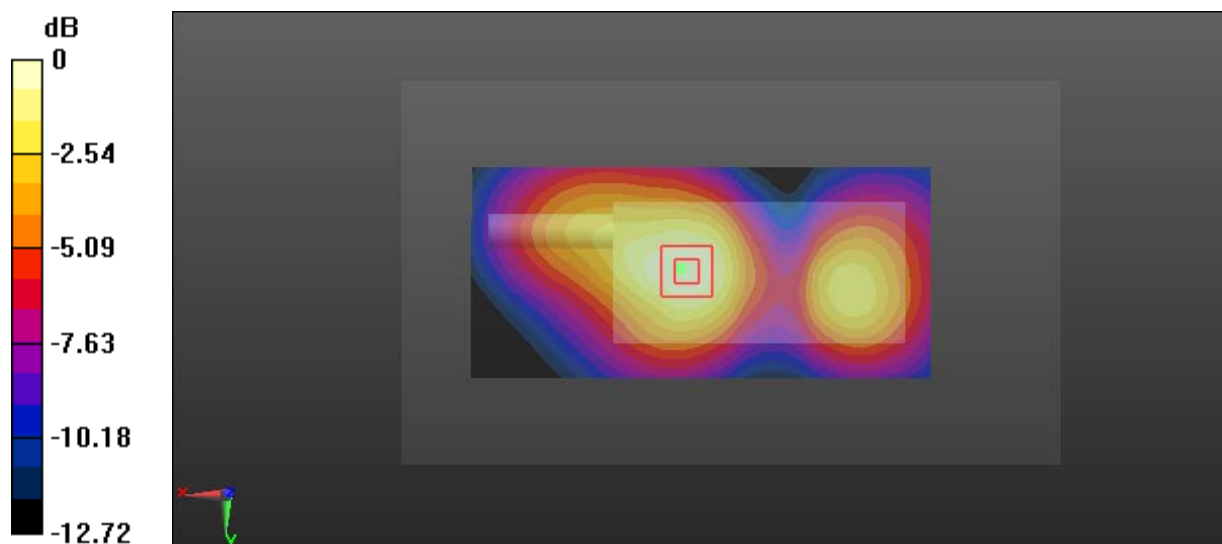Maximum value of SAR (interpolated) = 0.314 W/kg

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

Reference Value = 11.47 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.355 W/kg

SAR(1 g) = 0.239 W/kg; SAR(10 g) = 0.155 W/kg

Maximum value of SAR (measured) = 0.311 W/kg

0 dB = 0.311 W/kg = -5.07 dBW/kg

Test Plot 20#: LTE Band 4 1RB_Body Back_Middle

DUT: IP Trunking Radio; Type: TH-518U; Serial: 18092605022

Communication System: Generic FDD-LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1

Medium parameters used: f = 1732.5 MHz; σ = 1.529 S/m; $ε_r$ = 52.744; ρ = 1000 kg/m^3

Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(8.05, 8.05, 8.05); Calibrated: 2018/9/30;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2018/9/28
- Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1130
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (131x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

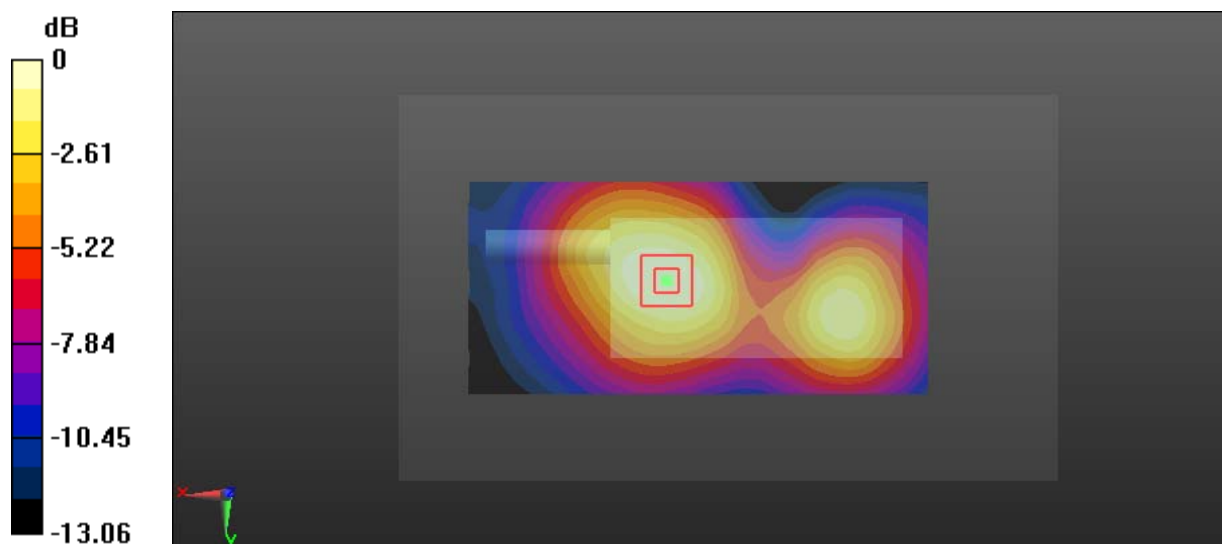Maximum value of SAR (interpolated) = 0.341 W/kg

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

Reference Value = 10.88 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.367 W/kg

SAR(1 g) = 0.232 W/kg; SAR(10 g) = 0.149 W/kg

Maximum value of SAR (measured) = 0.315 W/kg

0 dB = 0.315 W/kg = -5.02 dBW/kg

Test Plot 21#: LTE Band 5 1RB_Face Up_Middle

DUT: IP Trunking Radio; Type: TH-682; Serial: 18092605021

Communication System: Generic FDD-LTE; Frequency: 836.5 MHz;Duty Cycle: 1:1

Medium parameters used: f = 836.5 MHz; σ = 0.909 S/m; ε_r = 42.349; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(10.01, 10.01, 10.01); Calibrated: 2018/9/30;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2018/9/28
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: 1412
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (61x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

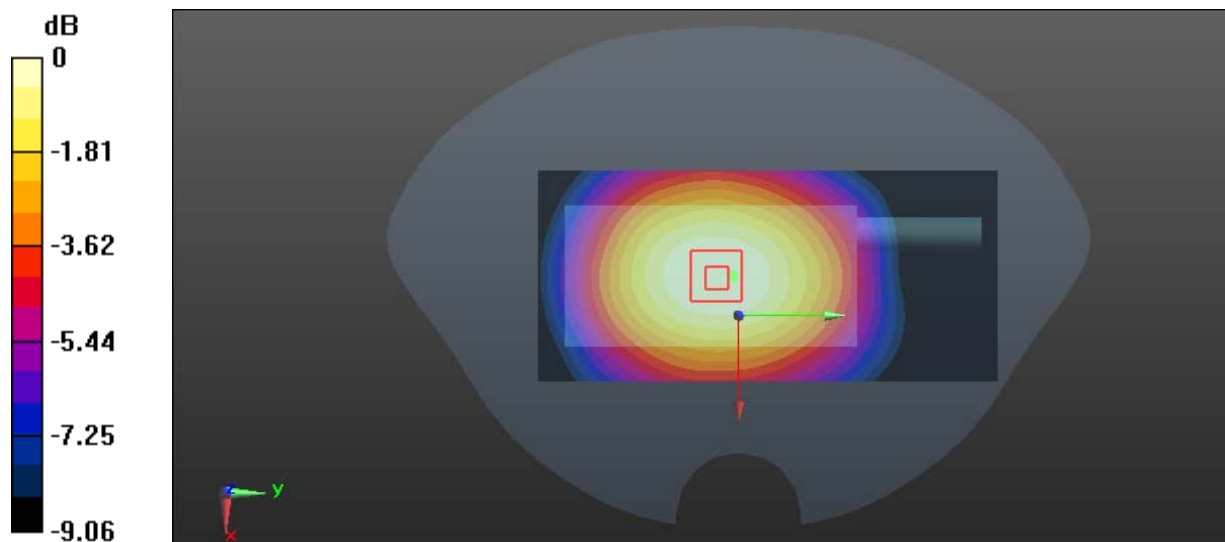Maximum value of SAR (interpolated) = 0.163 W/kg

Zoom Scan (5x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.16 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.180 W/kg

SAR(1 g) = 0.129 W/kg; SAR(10 g) = 0.095 W/kg

Maximum value of SAR (measured) = 0.162 W/kg

0 dB = 0.162 W/kg = -7.90 dBW/kg

Test Plot 22#: LTE Band 5 50%RB_Face Up_Middle

DUT: IP Trunking Radio; Type: TH-682; Serial: 18092605021

Communication System: Generic FDD-LTE; Frequency: 836.5 MHz;Duty Cycle: 1:1

Medium parameters used: f = 836.5 MHz; σ = 0.909 S/m; ε_r = 42.349; ρ = 1000 kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(10.01, 10.01, 10.01); Calibrated: 2018/9/30;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2018/9/28
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: 1412
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (61x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

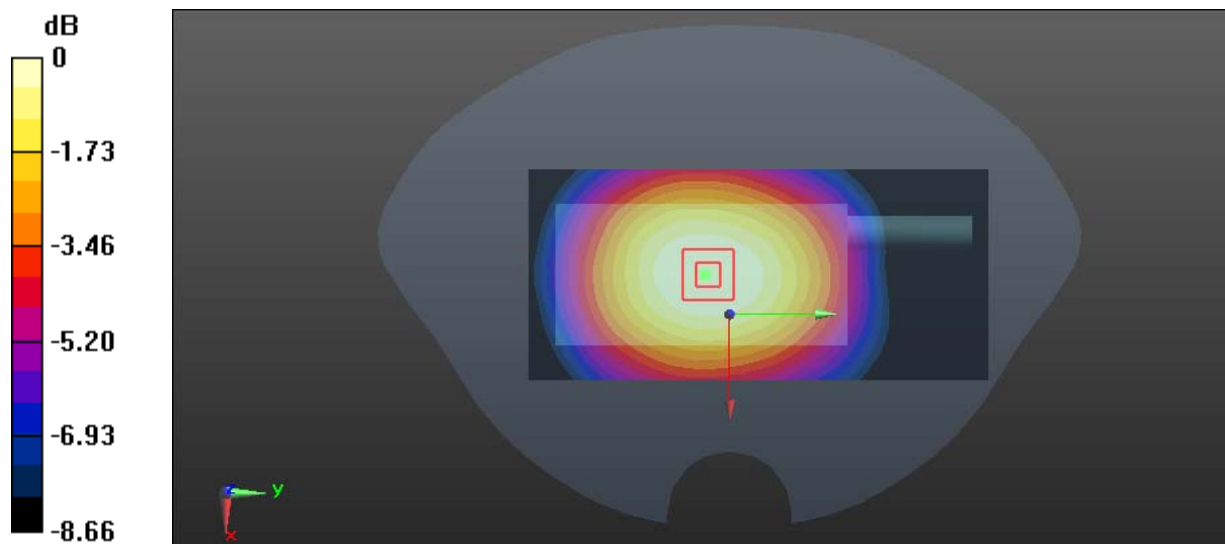Maximum value of SAR (interpolated) = 0.127 W/kg

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

Reference Value = 12.37 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.139 W/kg

SAR(1 g) = 0.099 W/kg; SAR(10 g) = 0.073 W/kg

Maximum value of SAR (measured) = 0.124 W/kg

0 dB = 0.124 W/kg = -9.07 dBW/kg

Test Plot 23#: LTE Band 5 1RB_Face Up_Middle

DUT: IP Trunking Radio; Type: TH-518U; Serial: 18092605022

Communication System: Generic FDD-LTE; Frequency: 836.5 MHz;Duty Cycle: 1:1

Medium parameters used: f = 836.5 MHz; σ = 0.909 S/m; ε_r = 42.349; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(10.01, 10.01, 10.01); Calibrated: 2018/9/30;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2018/9/28
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: 1412
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (61x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

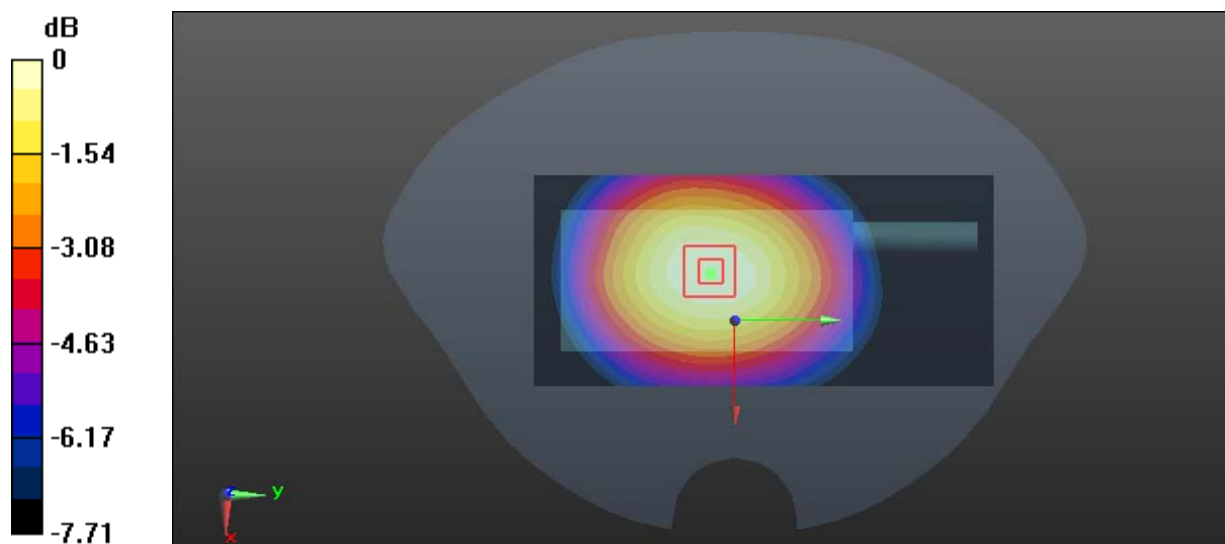Maximum value of SAR (interpolated) = 0.142 W/kg

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

Reference Value = 13.16 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.159 W/kg

SAR(1 g) = 0.117 W/kg; SAR(10 g) = 0.088 W/kg

Maximum value of SAR (measured) = 0.144 W/kg

0 dB = 0.144 W/kg = -8.42 dBW/kg

Test Plot 24#: LTE Band 5 1RB_Body Back_Middle

DUT: IP Trunking Radio; Type: TH-682; Serial: 18092605021

Communication System: Generic FDD-LTE; Frequency: 836.5 MHz;Duty Cycle: 1:1

Medium parameters used: f = 836.5 MHz; σ = 0.96 S/m; ε_r = 57.312; ρ = 1000 kg/m^3

Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(10.23, 10.23, 10.23); Calibrated: 2018/9/30;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2018/9/28
- Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1130
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (131x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

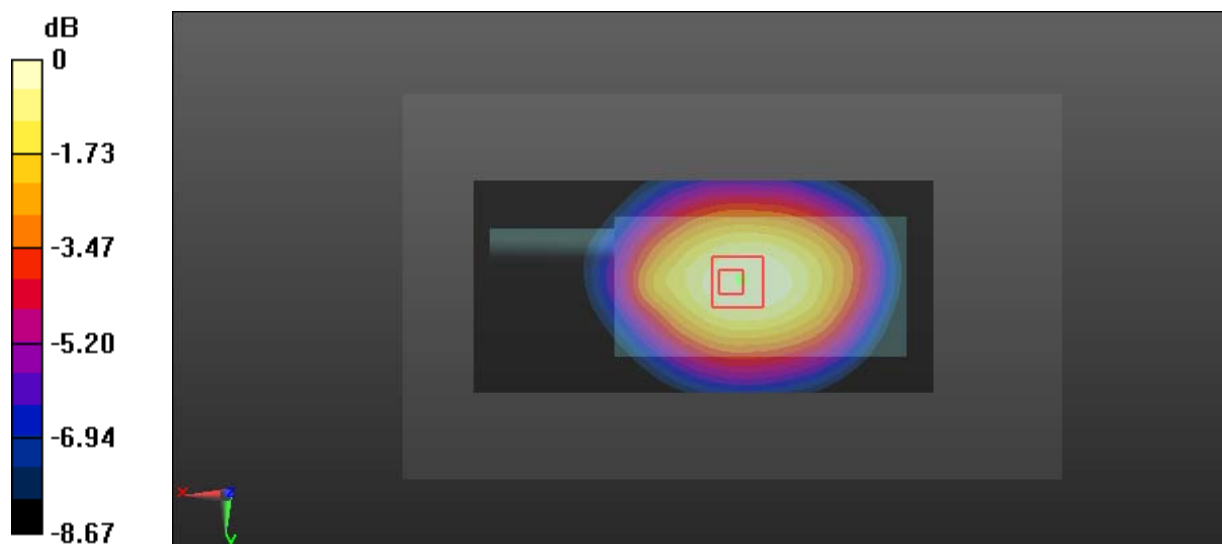Maximum value of SAR (interpolated) = 0.503 W/kg

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

Reference Value = 23.74 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.555 W/kg

SAR(1 g) = 0.398 W/kg; SAR(10 g) = 0.284 W/kg

Maximum value of SAR (measured) = 0.501 W/kg

0 dB = 0.501 W/kg = -3.00 dBW/kg

Test Plot 25#: LTE Band 5 50%RB_Body Back_Middle

DUT: IP Trunking Radio; Type: TH-682; Serial: 18092605021

Communication System: Generic FDD-LTE; Frequency: 836.5 MHz;Duty Cycle: 1:1

Medium parameters used: f = 836.5 MHz; σ = 0.96 S/m; ε$_r$ = 57.312; ρ = 1000 kg/m^3

Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(10.23, 10.23, 10.23); Calibrated: 2018/9/30;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2018/9/28
- Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1130
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (131x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

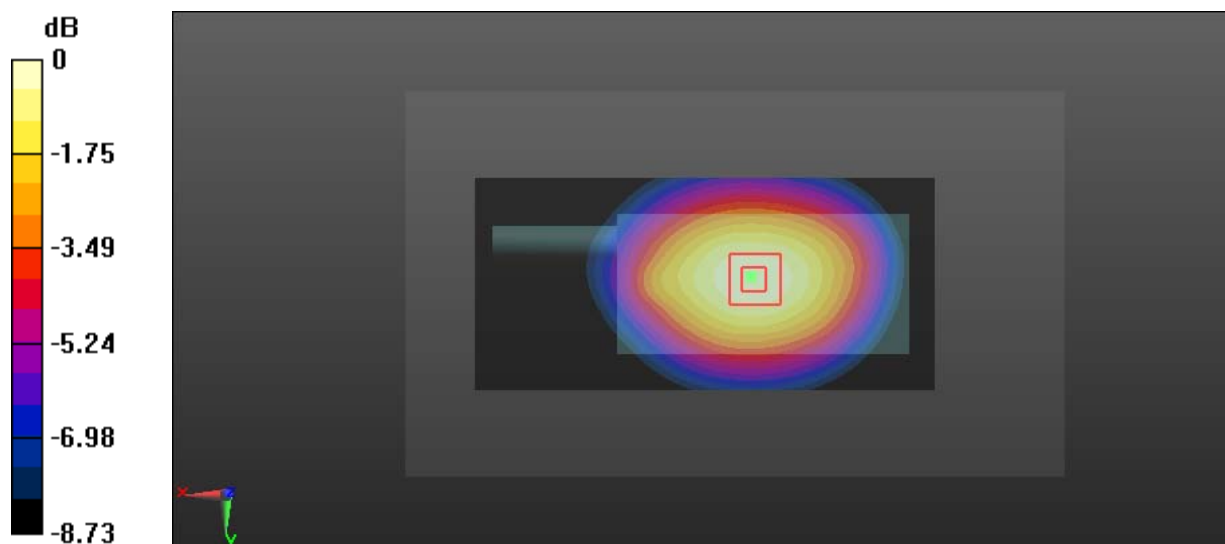Maximum value of SAR (interpolated) = 0.374 W/kg

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

Reference Value = 20.36 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.420 W/kg

SAR(1 g) = 0.303 W/kg; SAR(10 g) = 0.218 W/kg

Maximum value of SAR (measured) = 0.381 W/kg

0 dB = 0.381 W/kg = -4.19 dBW/kg

Test Plot 26#: LTE Band 5 1RB_Body Back_Middle

DUT: IP Trunking Radio; Type: TH-518U; Serial: 18092605022

Communication System: Generic FDD-LTE; Frequency: 836.5 MHz;Duty Cycle: 1:1

Medium parameters used: f = 836.5 MHz; σ = 0.96 S/m; ε_r = 57.312; ρ = 1000 kg/m^3

Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(10.23, 10.23, 10.23); Calibrated: 2018/9/30;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2018/9/28
- Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1130
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (131x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

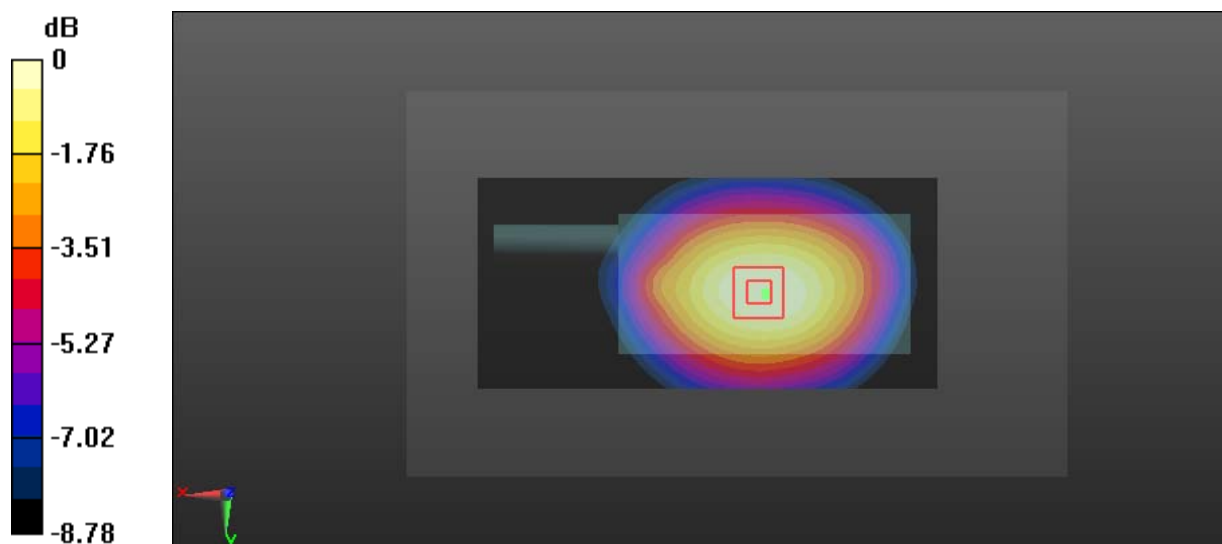Maximum value of SAR (interpolated) = 0.418 W/kg

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

Reference Value = 21.28 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.467 W/kg

SAR(1 g) = 0.337 W/kg; SAR(10 g) = 0.242 W/kg

Maximum value of SAR (measured) = 0.421 W/kg

0 dB = 0.421 W/kg = -3.76 dBW/kg

Test Plot 27#: LTE Band 12&17 1RB_Face Up_Middle

DUT: IP Trunking Radio; Type: TH-682; Serial: 18092605021

Communication System: Generic FDD-LTE; Frequency: 707.5 MHz;Duty Cycle: 1:1

Medium parameters used: f = 707.5 MHz; σ = 0.873 S/m; ε_r = 43.017; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(10.01, 10.01, 10.01); Calibrated: 2018/9/30;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2018/9/28
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: 1412
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (61x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

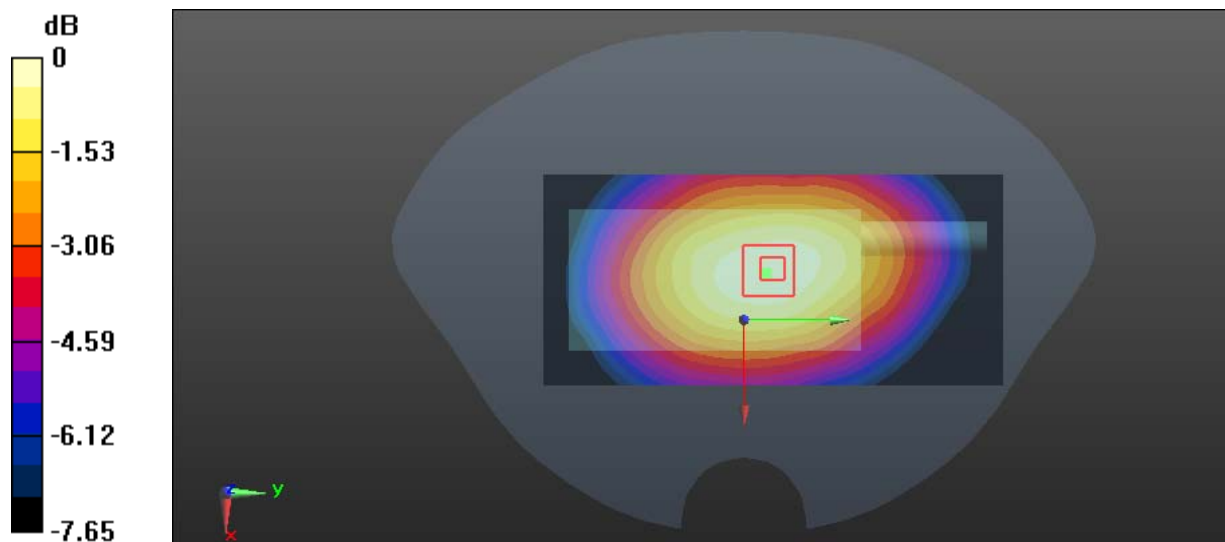Maximum value of SAR (interpolated) = 0.0511 W/kg

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

Reference Value = 7.818 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.0580 W/kg

SAR(1 g) = 0.041 W/kg; SAR(10 g) = 0.031 W/kg

Maximum value of SAR (measured) = 0.0519 W/kg

0 dB = 0.0519 W/kg = -12.85 dBW/kg

Test Plot 28#: LTE Band 12&17 50%RB_Face Up_Middle

DUT: IP Trunking Radio; Type: TH-682; Serial: 18092605021

Communication System: Generic FDD-LTE; Frequency: 707.5 MHz;Duty Cycle: 1:1

Medium parameters used: f = 707.5 MHz; σ = 0.873 S/m; ε_r = 43.017; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(10.01, 10.01, 10.01); Calibrated: 2018/9/30;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2018/9/28
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: 1412
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (61x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

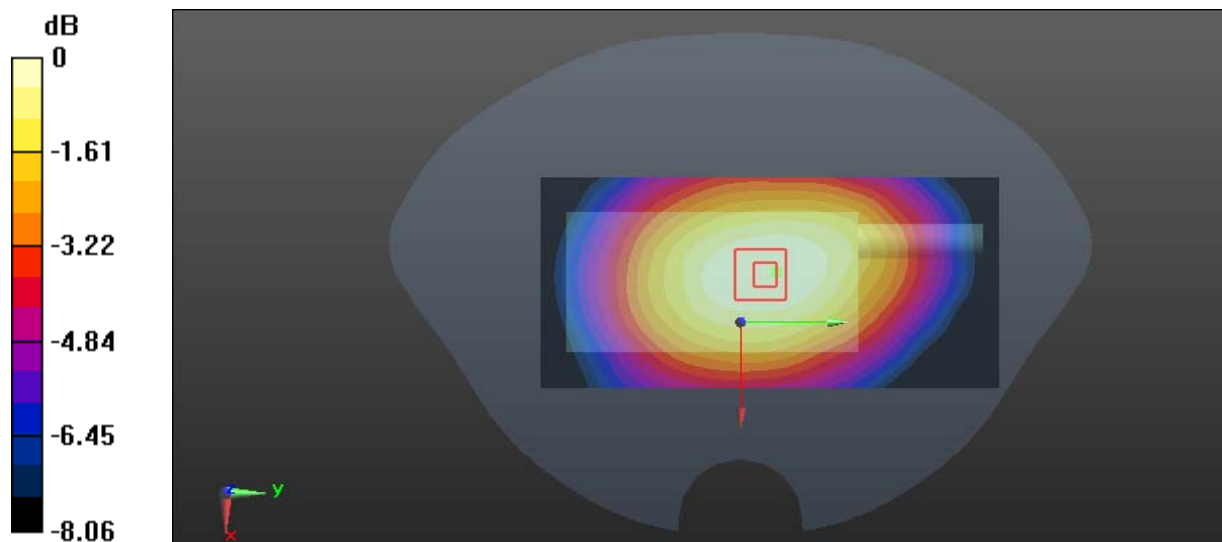Maximum value of SAR (interpolated) = 0.0400 W/kg

Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.237 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.0430 W/kg

SAR(1 g) = 0.032 W/kg; SAR(10 g) = 0.024 W/kg

Maximum value of SAR (measured) = 0.0391 W/kg

0 dB = 0.0391 W/kg = -14.08 dBW/kg

Test Plot 29#: LTE Band 12&17 1RB_Face Up_Middle

DUT: IP Trunking Radio; Type: TH-518U; Serial: 18092605022

Communication System: Generic FDD-LTE; Frequency: 707.5 MHz;Duty Cycle: 1:1

Medium parameters used: f = 707.5 MHz; σ = 0.873 S/m; $ε_r$ = 43.017; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(10.01, 10.01, 10.01); Calibrated: 2018/9/30;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2018/9/28
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: 1412
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (61x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

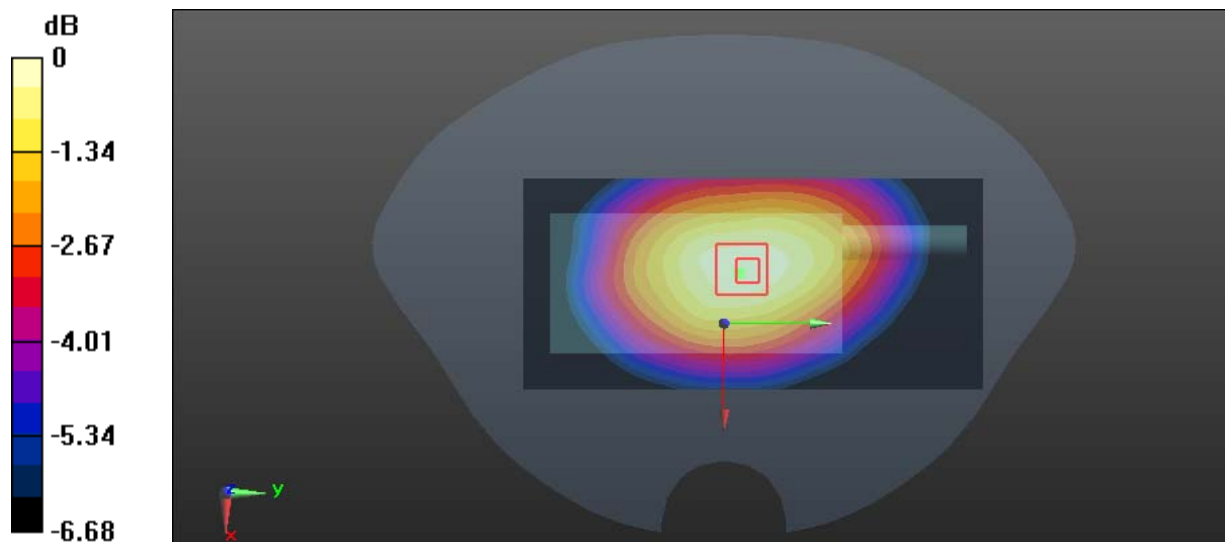Maximum value of SAR (interpolated) = 0.0452 W/kg

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

Reference Value = 7.372 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.0514 W/kg

SAR(1 g) = 0.039 W/kg; SAR(10 g) = 0.029 W/kg

Maximum value of SAR (measured) = 0.0465 W/kg

0 dB = 0.0465 W/kg = -13.33 dBW/kg

Test Plot 30#: LTE Band 12&17 1RB_Body Back_Middle

DUT: IP Trunking Radio; Type: TH-682; Serial: 18092605021

Communication System: Generic FDD-LTE; Frequency: 707.5 MHz;Duty Cycle: 1:1

Medium parameters used: f = 707.5 MHz; σ = 0.962 S/m; ε$_r$ = 55.088; ρ = 1000 kg/m^3

Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(10.23, 10.23, 10.23); Calibrated: 2018/9/30;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2018/9/28
- Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1130
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (131x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

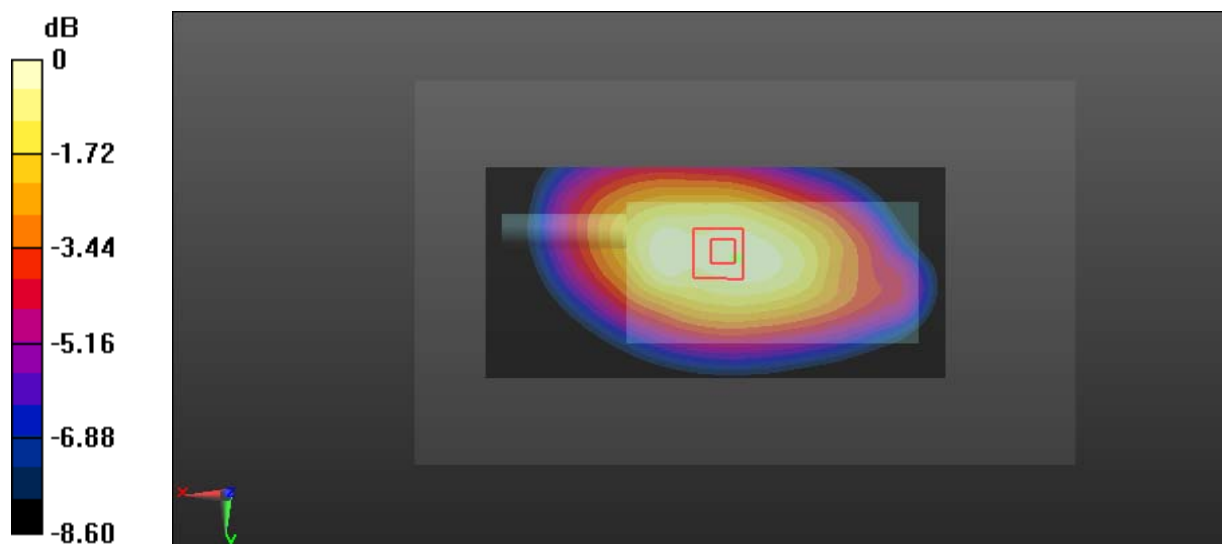Maximum value of SAR (interpolated) = 0.157 W/kg

Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.51 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.177 W/kg

SAR(1 g) = 0.134 W/kg; SAR(10 g) = 0.102 W/kg

Maximum value of SAR (measured) = 0.160 W/kg

0 dB = 0.160 W/kg = -7.96 dBW/kg

Test Plot 31#: LTE Band 12&17 50%RB_Body Back_Middle

DUT: IP Trunking Radio; Type: TH-682; Serial: 18092605021

Communication System: Generic FDD-LTE; Frequency: 707.5 MHz;Duty Cycle: 1:1

Medium parameters used: f = 707.5 MHz; σ = 0.962 S/m; ε$_r$ = 55.088; ρ = 1000 kg/m^3

Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(10.23, 10.23, 10.23); Calibrated: 2018/9/30;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2018/9/28
- Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1130
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (131x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

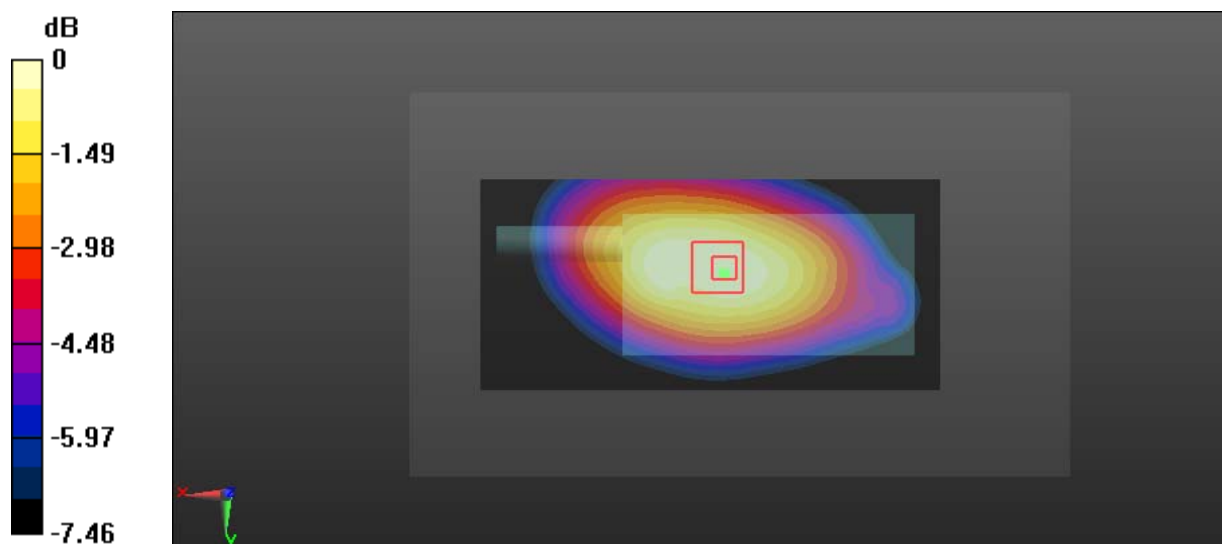Maximum value of SAR (interpolated) = 0.128 W/kg

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

Reference Value = 11.80 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.137 W/kg

SAR(1 g) = 0.103 W/kg; SAR(10 g) = 0.078 W/kg

Maximum value of SAR (measured) = 0.125 W/kg

0 dB = 0.125 W/kg = -9.03 dBW/kg

Test Plot 32#: LTE Band 12&17 1RB_Body Back_Middle

DUT: IP Trunking Radio; Type: TH-518U; Serial: 18092605022

Communication System: Generic FDD-LTE; Frequency: 707.5 MHz;Duty Cycle: 1:1

Medium parameters used: f = 707.5 MHz; σ = 0.962 S/m; $ε_r$ = 55.088; ρ = 1000 kg/m³

Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(10.23, 10.23, 10.23); Calibrated: 2018/9/30;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2018/9/28
- Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1130
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (131x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

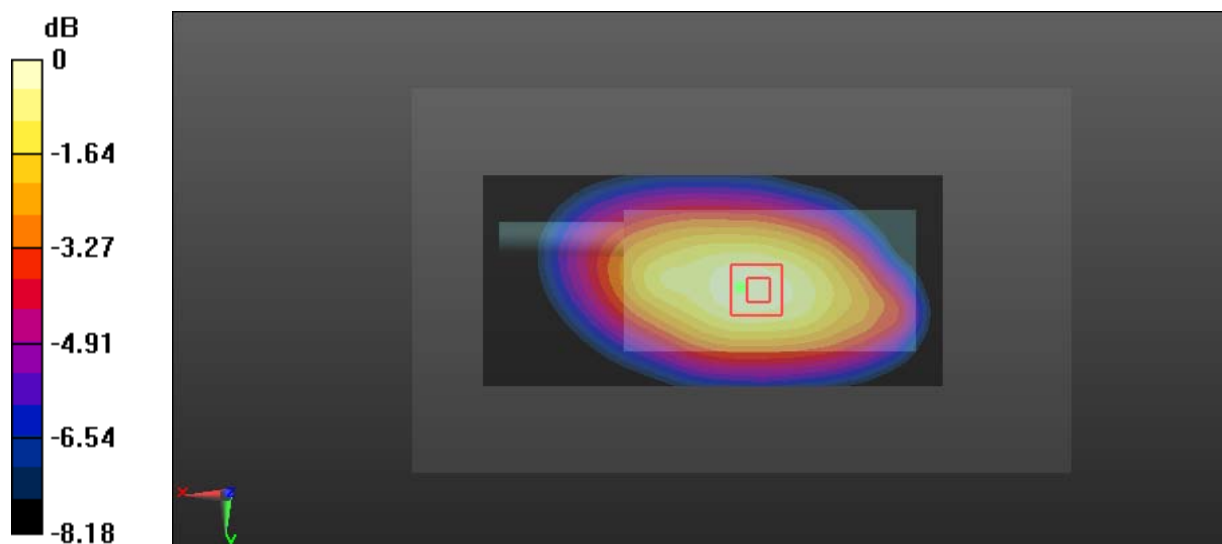Maximum value of SAR (interpolated) = 0.153 W/kg

Zoom Scan (6x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.81 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.169 W/kg

SAR(1 g) = 0.126 W/kg; SAR(10 g) = 0.093 W/kg

Maximum value of SAR (measured) = 0.155 W/kg

0 dB = 0.155 W/kg = -8.10 dBW/kg