

**Test Plot123#: LTE Band 41\_Head Right Cheek\_1RB\_Middle****DUT: SMART MULTI-MODE RADIO; Type: IRC380; Serial: 2C06-1;**

Communication System: Generic TDD-LTE (0); Frequency: 2593 MHz; Duty Cycle: 1:1.58

Medium parameters used:  $f=2593$  MHz;  $\sigma=1.941$  S/m;  $\epsilon_r=38.552$ ;  $\rho=1000$  kg/m<sup>3</sup> ;

Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(7.23, 7.23, 7.23) @ 2593 MHz; Calibrated: 2023/5/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1470
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (11x13x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.549 W/kg

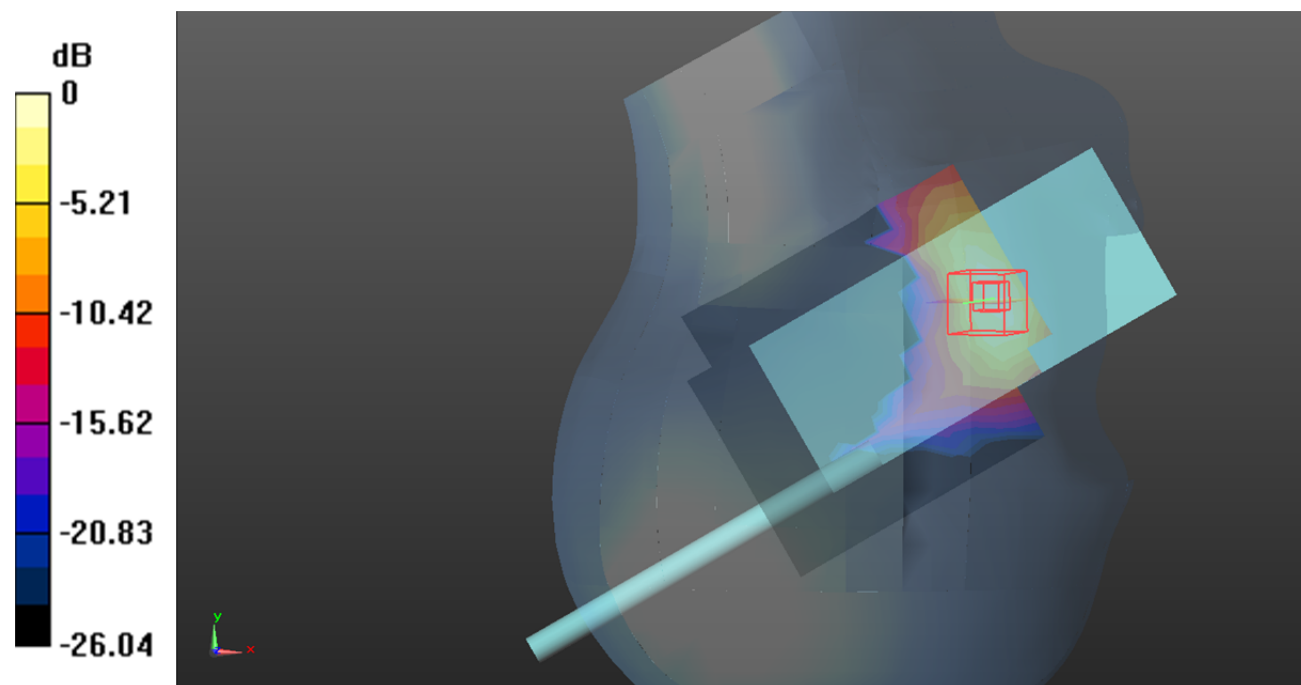
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0.6170 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.568 W/kg

**SAR(1 g) = 0.369 W/kg; SAR(10 g) = 0.190 W/kg**

Maximum value of SAR (measured) = 0.498 W/kg



0 dB = 0.498 W/kg = -3.03 dB dBW/kg

**Test Plot124#: LTE Band 41\_Head Right Cheek\_50%RB\_Middle****DUT: SMART MULTI-MODE RADIO; Type: IRC380; Serial: 2C06-1;**

Communication System: Generic TDD-LTE (0); Frequency: 2593 MHz; Duty Cycle: 1:1.58

Medium parameters used:  $f=2593$  MHz;  $\sigma = 1.941$  S/m;  $\epsilon_r = 38.552$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;

Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(7.23, 7.23, 7.23) @ 2593 MHz; Calibrated: 2023/5/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1470
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (11x13x1):** Measurement grid: dx=10mm, dy=10mm

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

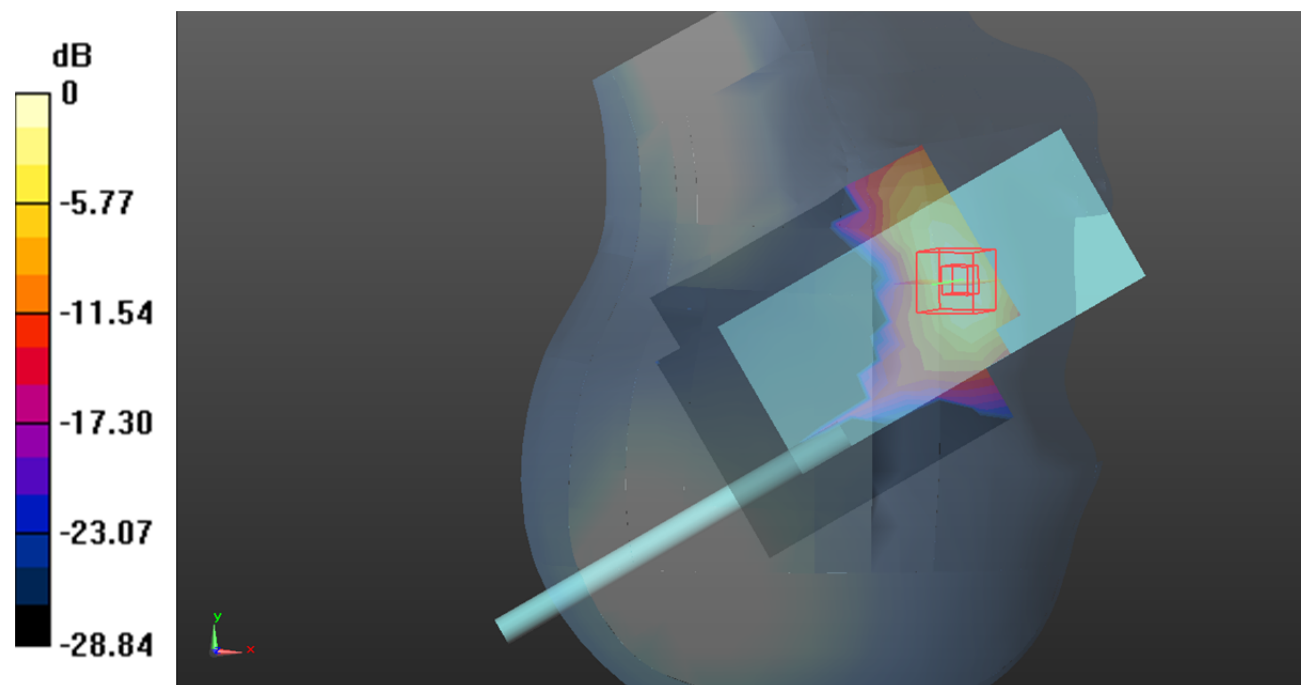
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.456 W/kg

**SAR(1 g) = 0.296 W/kg; SAR(10 g) = 0.151 W/kg**

Maximum value of SAR (measured) = 0.405 W/kg



0 dB = 0.405 W/kg = -3.93 dB dBW/kg

**Test Plot125#: LTE Band 41\_Head Right Tilt\_1RB\_Middle****DUT: SMART MULTI-MODE RADIO; Type: IRC380; Serial: 2C06-1;**

Communication System: Generic TDD-LTE (0); Frequency: 2593 MHz; Duty Cycle: 1:1.58

Medium parameters used:  $f=2593$  MHz;  $\sigma = 1.941$  S/m;  $\epsilon_r = 38.552$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;

Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(7.23, 7.23, 7.23) @ 2593 MHz; Calibrated: 2023/5/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1470
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (11x13x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.0358 W/kg

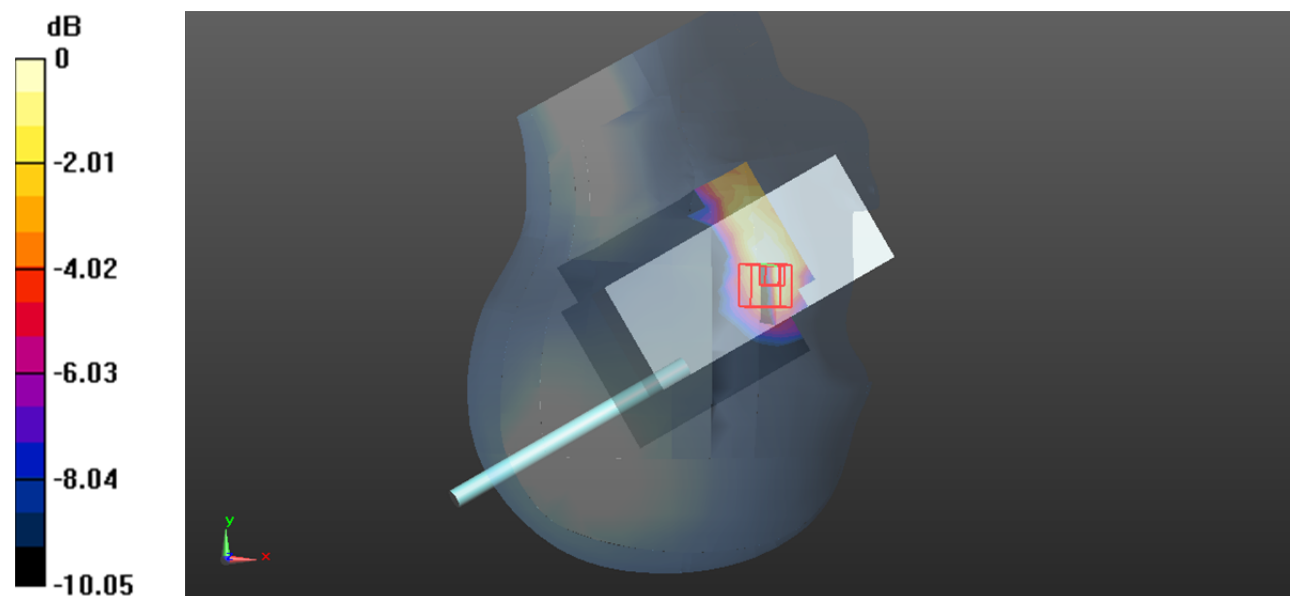
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.0650 W/kg

**SAR(1 g) = 0.013 W/kg; SAR(10 g) = 0.00332 W/kg**

Maximum value of SAR (measured) = 0.0340 W/kg



0 dB = 0.0340 W/kg = -14.69 dB dBW/kg

**Test Plot126#: LTE Band 41\_Head Right Tilt\_50%RB\_Middle****DUT: SMART MULTI-MODE RADIO; Type: IRC380; Serial: 2C06-1;**

Communication System: Generic TDD-LTE (0); Frequency: 2593 MHz; Duty Cycle: 1:1.58

Medium parameters used:  $f=2593$  MHz;  $\sigma = 1.941$  S/m;  $\epsilon_r = 38.552$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;

Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(7.23, 7.23, 7.23) @ 2593 MHz; Calibrated: 2023/5/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1470
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (11x13x1):**Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.0232 W/kg

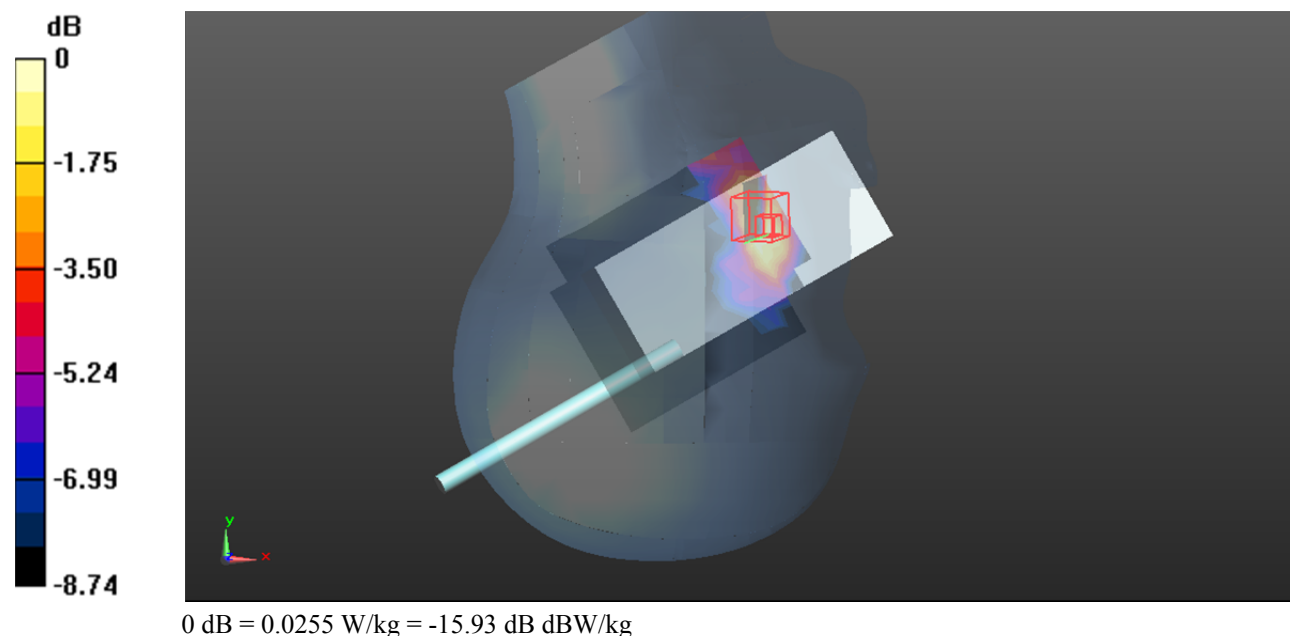
**Zoom Scan (7x7x7)/Cube 0:**Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.0910 W/kg

**SAR(1 g) = 0.016 W/kg; SAR(10 g) = 0.0053 W/kg**

Maximum value of SAR (measured) = 0.0255 W/kg



**Test Plot127#: LTE Band 41\_Body Front\_1RB\_Middle****DUT: SMART MULTI-MODE RADIO; Type: IRC380; Serial: 2C06-1;**

Communication System: Generic TDD-LTE (0); Frequency: 2593 MHz; Duty Cycle: 1:1.58

Medium parameters used:  $f=2593$  MHz;  $\sigma = 1.959$  S/m;  $\epsilon_r = 38.542$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(7.23, 7.23, 7.23) @ 2593 MHz; Calibrated: 2023/5/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1470
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (12x13x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.221 W/kg

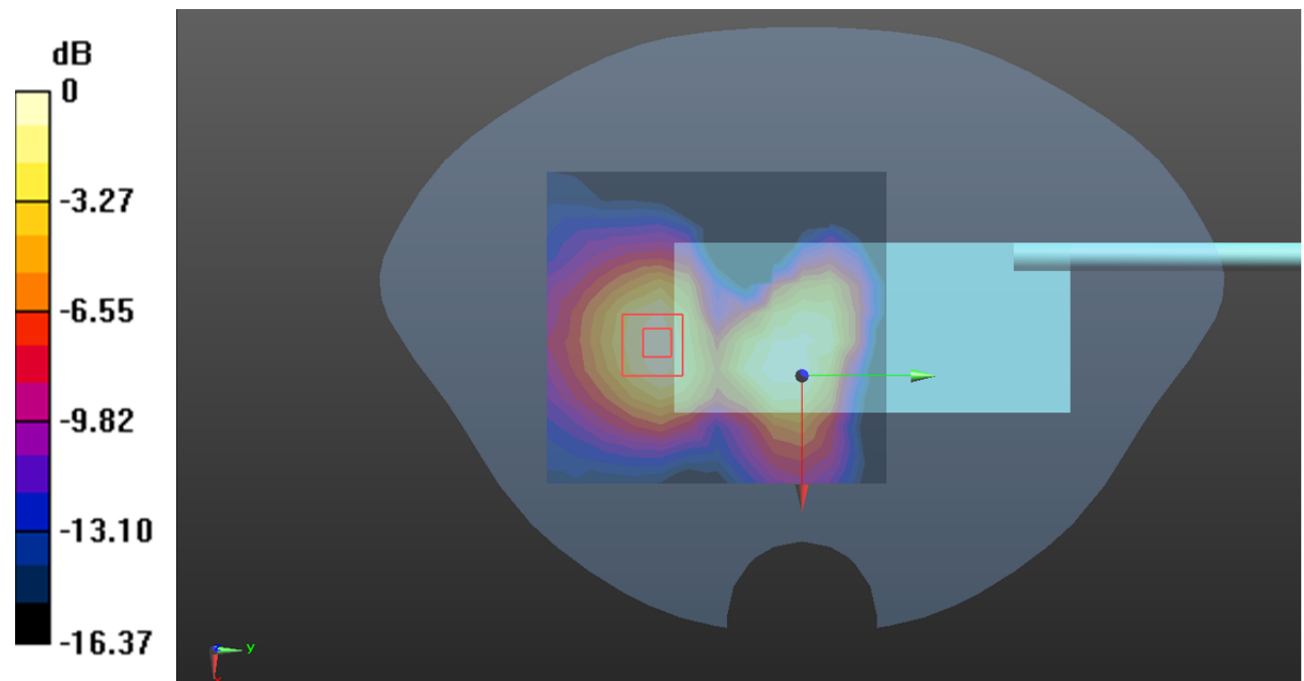
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.794 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.266 W/kg

**SAR(1 g) = 0.145 W/kg; SAR(10 g) = 0.079 W/kg**

Maximum value of SAR (measured) = 0.223 W/kg



0 dB = 0.223 W/kg = -6.52 dB dBW/kg

**Test Plot128#: LTE Band 41\_Body Front\_50%RB\_Middle****DUT: SMART MULTI-MODE RADIO; Type: IRC380; Serial: 2C06-1;**

Communication System: Generic TDD-LTE (0); Frequency: 2593 MHz; Duty Cycle: 1:1.58

Medium parameters used:  $f=2593$  MHz;  $\sigma = 1.959$  S/m;  $\epsilon_r = 38.542$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(7.23, 7.23, 7.23) @ 2593 MHz; Calibrated: 2023/5/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1470
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (12x13x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.198 W/kg

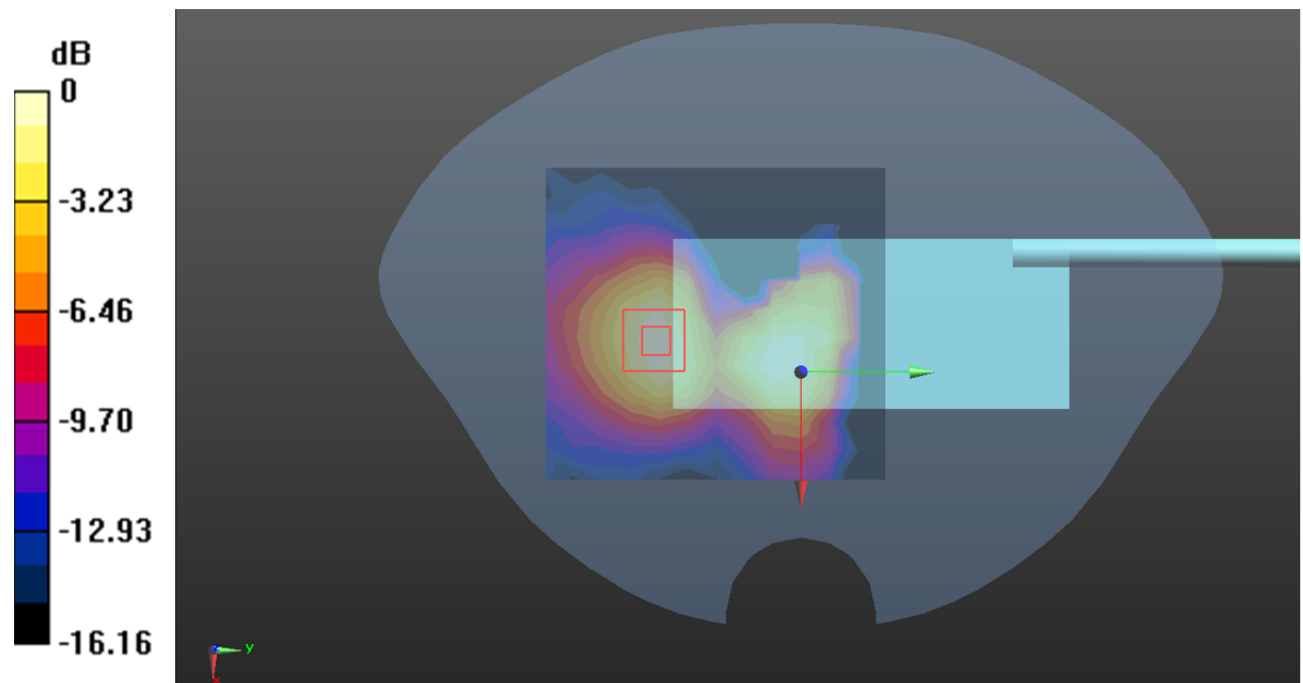
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.357 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.237 W/kg

**SAR(1 g) = 0.130 W/kg; SAR(10 g) = 0.071 W/kg**

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



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

**Test Plot129#: LTE Band 41\_Body Back\_1RB\_Middle****DUT: SMART MULTI-MODE RADIO; Type: IRC380; Serial: 2C06-1;**

Communication System: Generic TDD-LTE (0); Frequency: 2593 MHz; Duty Cycle: 1:1.58

Medium parameters used:  $f=2593$  MHz;  $\sigma = 1.959$  S/m;  $\epsilon_r = 38.542$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(7.23, 7.23, 7.23) @ 2593 MHz; Calibrated: 2023/5/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1470
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (12x12x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.289 W/kg

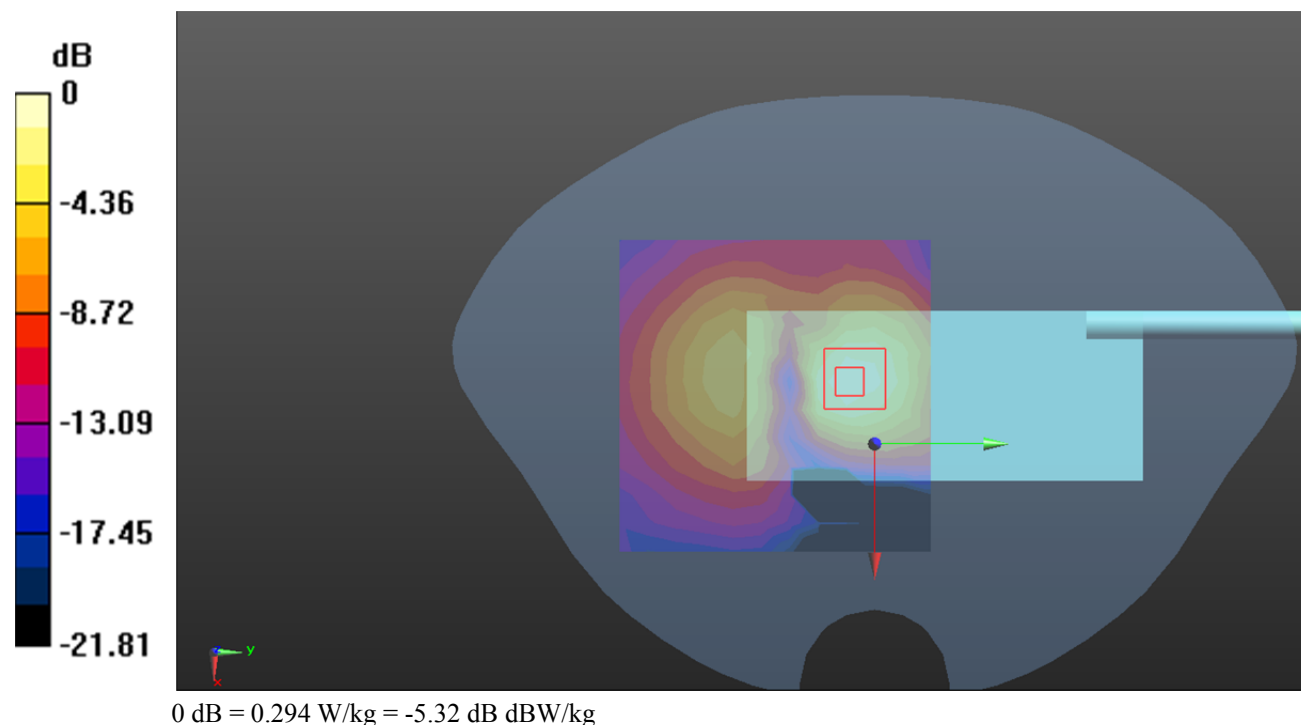
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.09 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.356 W/kg

**SAR(1 g) = 0.193 W/kg; SAR(10 g) = 0.101 W/kg**

Maximum value of SAR (measured) = 0.294 W/kg



**Test Plot130#: LTE Band 41\_Body Back\_50%RB\_Middle****DUT: SMART MULTI-MODE RADIO; Type: IRC380; Serial: 2C06-1;**

Communication System: Generic TDD-LTE (0); Frequency: 2593 MHz; Duty Cycle: 1:1.58

Medium parameters used:  $f=2593$  MHz;  $\sigma = 1.959$  S/m;  $\epsilon_r = 38.542$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(7.23, 7.23, 7.23) @ 2593 MHz; Calibrated: 2023/5/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1470
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (12x12x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.235 W/kg

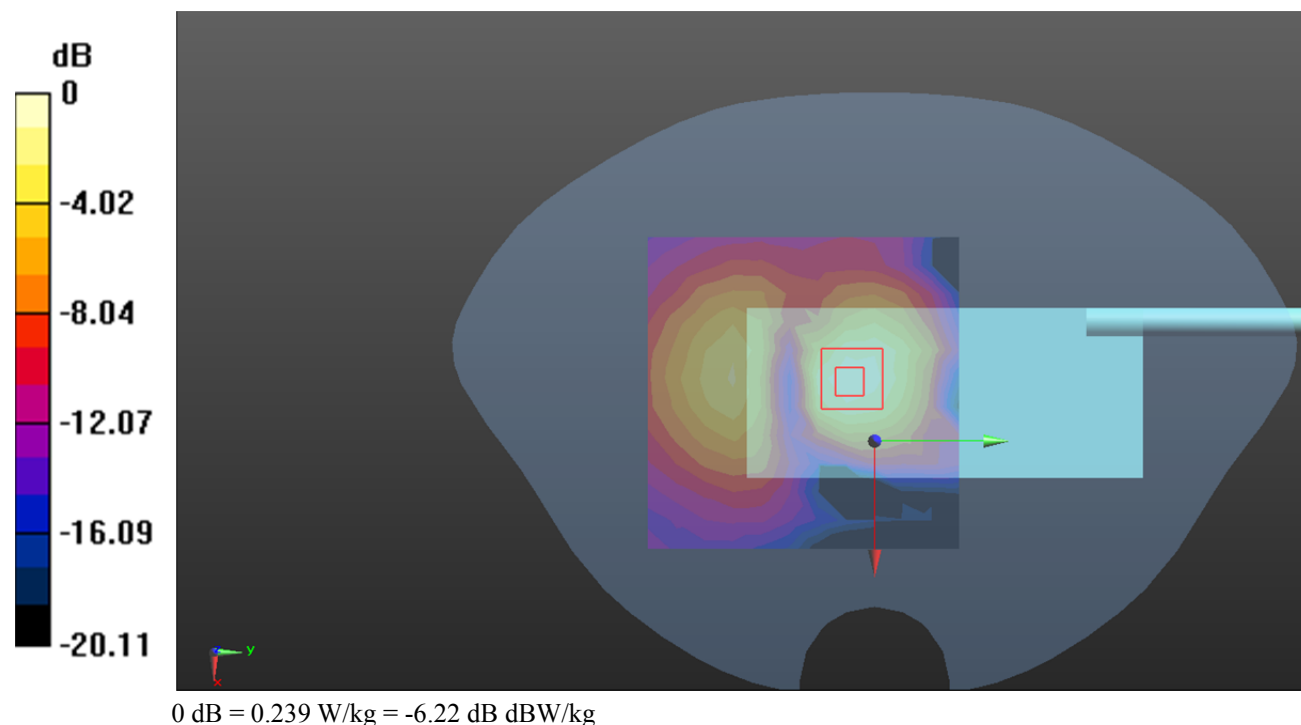
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.44 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.291 W/kg

**SAR(1 g) = 0.165 W/kg; SAR(10 g) = 0.087 W/kg**

Maximum value of SAR (measured) = 0.239 W/kg





**Test Plot131#: LTE Band 41\_Body Left\_1RB\_Middle****DUT: SMART MULTI-MODE RADIO; Type: IRC380; Serial: 2C06-1;**

Communication System: Generic TDD-LTE (0); Frequency: 2593 MHz; Duty Cycle: 1:1.58

Medium parameters used:  $f=2593$  MHz;  $\sigma = 1.959$  S/m;  $\epsilon_r = 38.542$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(7.23, 7.23, 7.23) @ 2593 MHz; Calibrated: 2023/5/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1470
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (9x11x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.0571 W/kg

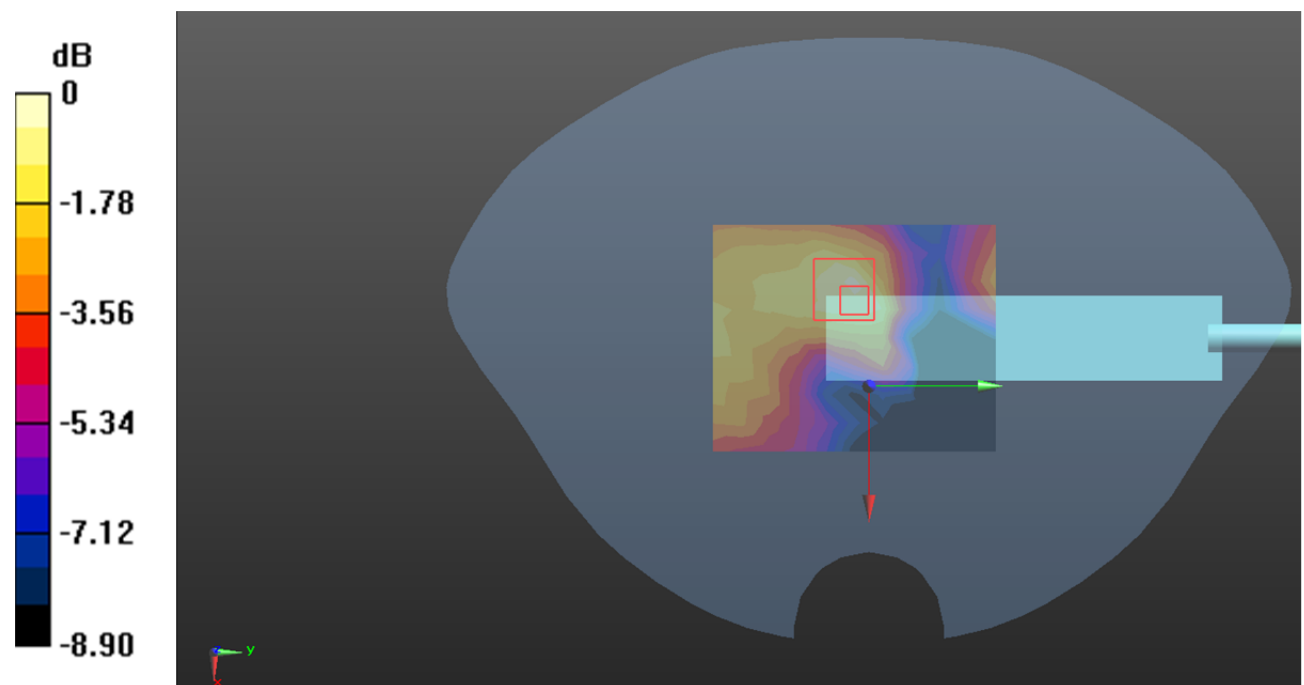
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.714 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.0710 W/kg

**SAR(1 g) = 0.044 W/kg; SAR(10 g) = 0.028 W/kg**

Maximum value of SAR (measured) = 0.0623 W/kg



0 dB = 0.0623 W/kg = -12.06 dB dBW/kg

**Test Plot132#: LTE Band 41\_Body Left\_50%RB\_Middle****DUT: SMART MULTI-MODE RADIO; Type: IRC380; Serial: 2C06-1;**

Communication System: Generic TDD-LTE (0); Frequency: 2593 MHz; Duty Cycle: 1:1.58

Medium parameters used:  $f=2593$  MHz;  $\sigma = 1.959$  S/m;  $\epsilon_r = 38.542$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(7.23, 7.23, 7.23) @ 2593 MHz; Calibrated: 2023/5/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1470
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (9x11x1):** Measurement grid: dx=10mm, dy=10mm

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

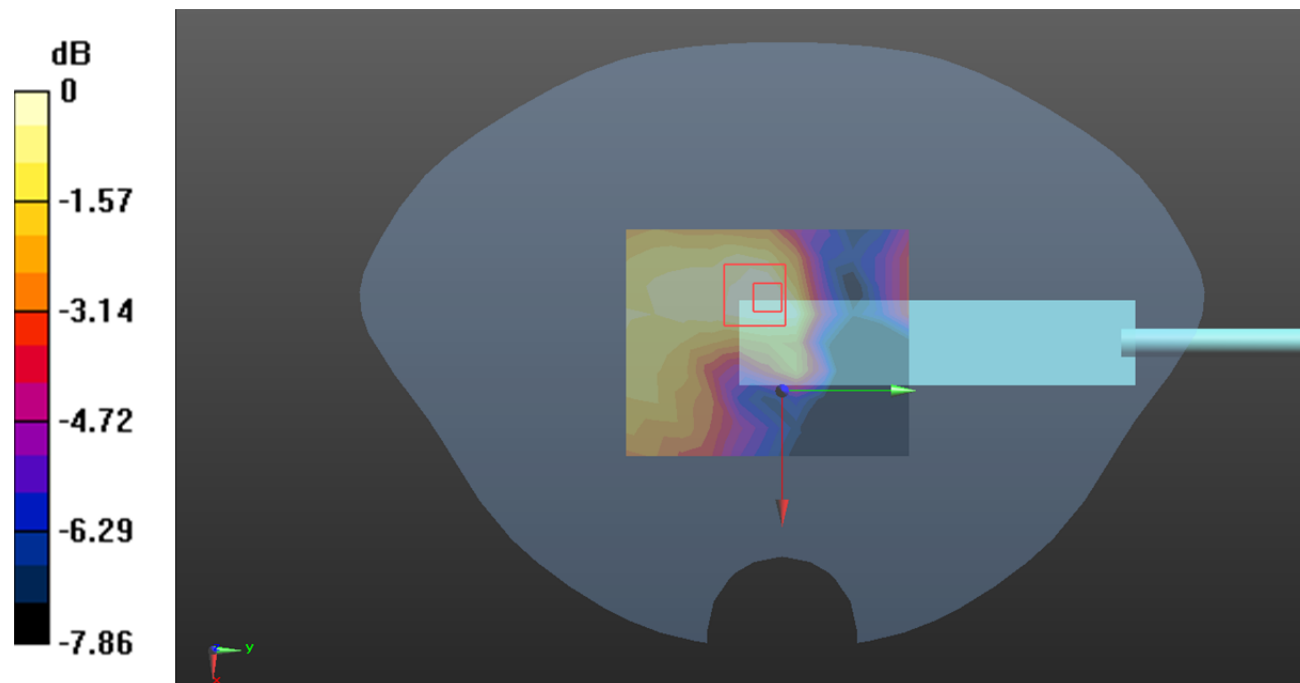
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.989 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.0500 W/kg

**SAR(1 g) = 0.036 W/kg; SAR(10 g) = 0.024 W/kg**

Maximum value of SAR (measured) = 0.0457 W/kg



0 dB = 0.0457 W/kg = -13.40 dB dBW/kg

**Test Plot133#: LTE Band 41\_Body Right\_1RB\_Middle****DUT: SMART MULTI-MODE RADIO; Type: IRC380; Serial: 2C06-1;**

Communication System: Generic TDD-LTE (0); Frequency: 2593 MHz; Duty Cycle: 1:1.58

Medium parameters used:  $f=2593$  MHz;  $\sigma = 1.959$  S/m;  $\epsilon_r = 38.542$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(7.23, 7.23, 7.23) @ 2593 MHz; Calibrated: 2023/5/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1470
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

Maximum value of SAR (interpolated) = 0.268 W/kg

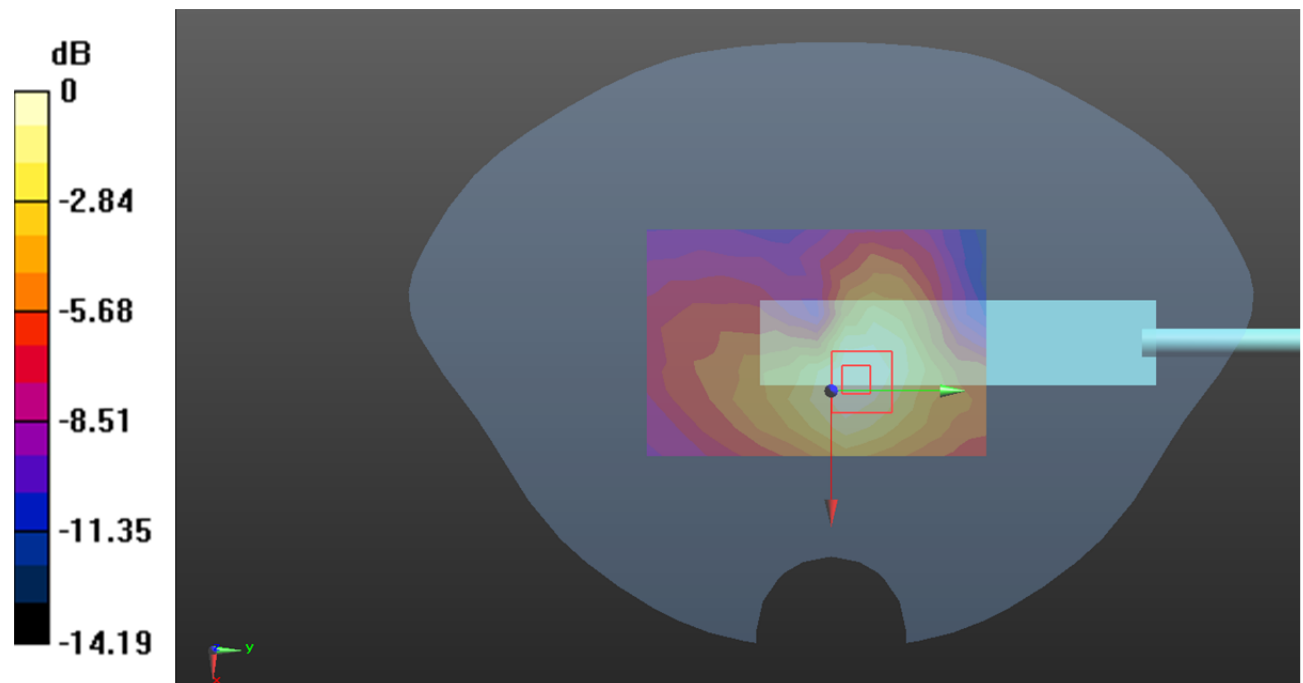
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.883 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.319 W/kg

**SAR(1 g) = 0.183 W/kg; SAR(10 g) = 0.109 W/kg**

Maximum value of SAR (measured) = 0.267 W/kg



0 dB = 0.267 W/kg = -5.73 dB dBW/kg

**Test Plot134#: LTE Band 41\_Body Right\_50%RB\_Middle****DUT: SMART MULTI-MODE RADIO; Type: IRC380; Serial: 2C06-1;**

Communication System: Generic TDD-LTE (0); Frequency: 2593 MHz; Duty Cycle: 1:1.58

Medium parameters used:  $f=2593$  MHz;  $\sigma = 1.959$  S/m;  $\epsilon_r = 38.542$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(7.23, 7.23, 7.23) @ 2593 MHz; Calibrated: 2023/5/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1470
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

Maximum value of SAR (interpolated) = 0.222 W/kg

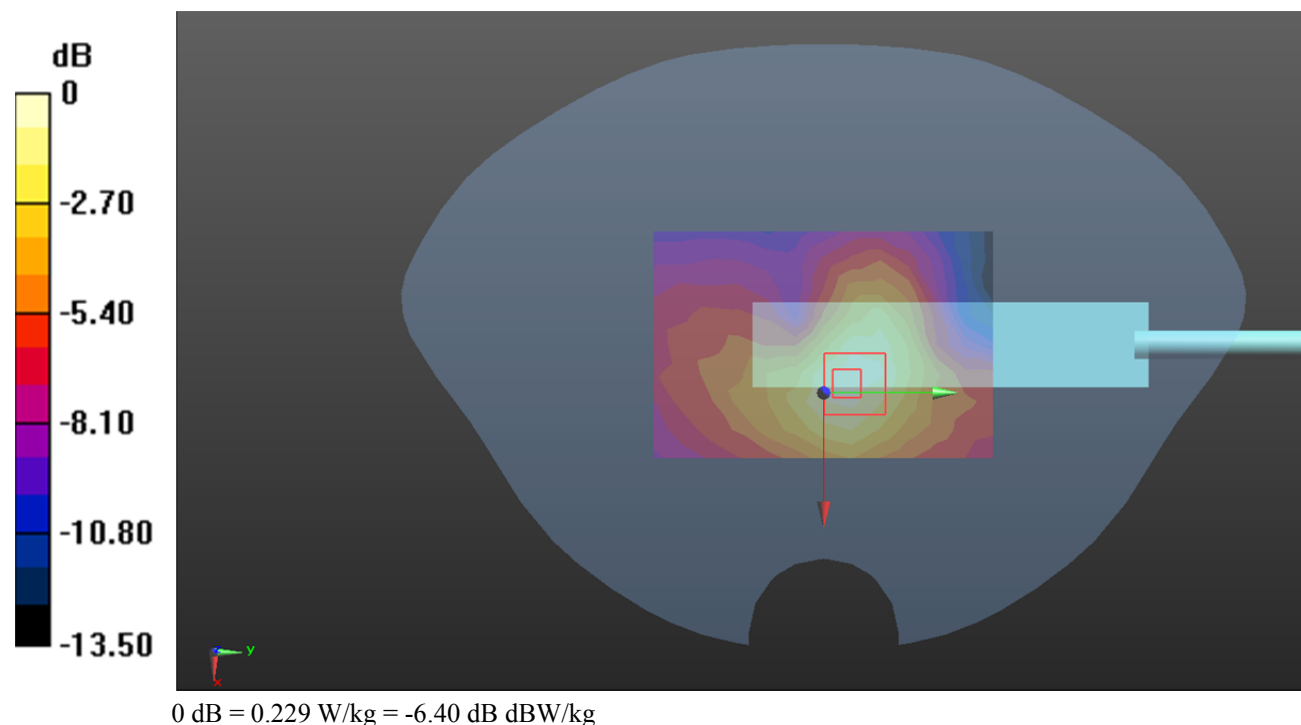
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.630 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.277 W/kg

**SAR(1 g) = 0.156 W/kg; SAR(10 g) = 0.093 W/kg**

Maximum value of SAR (measured) = 0.229 W/kg



**Test Plot135#: LTE Band 41\_Body Bottom\_1RB\_Middle****DUT: SMART MULTI-MODE RADIO; Type: IRC380; Serial: 2C06-1;**

Communication System: Generic TDD-LTE (0); Frequency: 2593 MHz; Duty Cycle: 1:1.58

Medium parameters used:  $f=2593$  MHz;  $\sigma = 1.941$  S/m;  $\epsilon_r = 38.552$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(7.23, 7.23, 7.23) @ 2593 MHz; Calibrated: 2023/5/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1470
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (9x10x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.03 W/kg

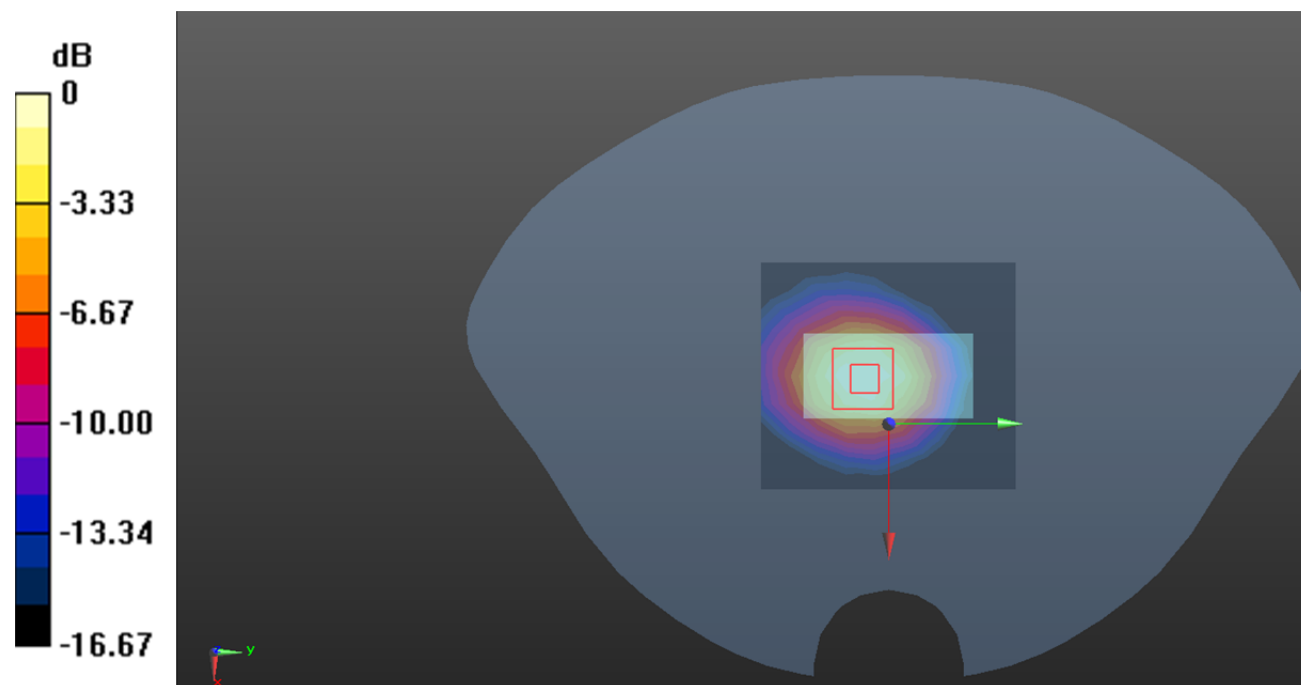
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 22.44 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.11 W/kg

**SAR(1 g) = 0.736 W/kg; SAR(10 g) = 0.405 W/kg**

Maximum value of SAR (measured) = 1.01 W/kg



0 dB = 1.01 W/kg = 0.04 dB dBW/kg

**Test Plot136#: LTE Band 41\_Body Bottom\_50%RB\_Middle****DUT: SMART MULTI-MODE RADIO; Type: IRC380; Serial: 2C06-1;**

Communication System: Generic TDD-LTE (0); Frequency: 2593 MHz; Duty Cycle: 1:1.58

Medium parameters used:  $f = 2593$  MHz;  $\sigma = 1.941$  S/m;  $\epsilon_r = 38.552$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(7.23, 7.23, 7.23) @ 2593 MHz; Calibrated: 2023/5/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1470
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (9x10x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.847 W/kg

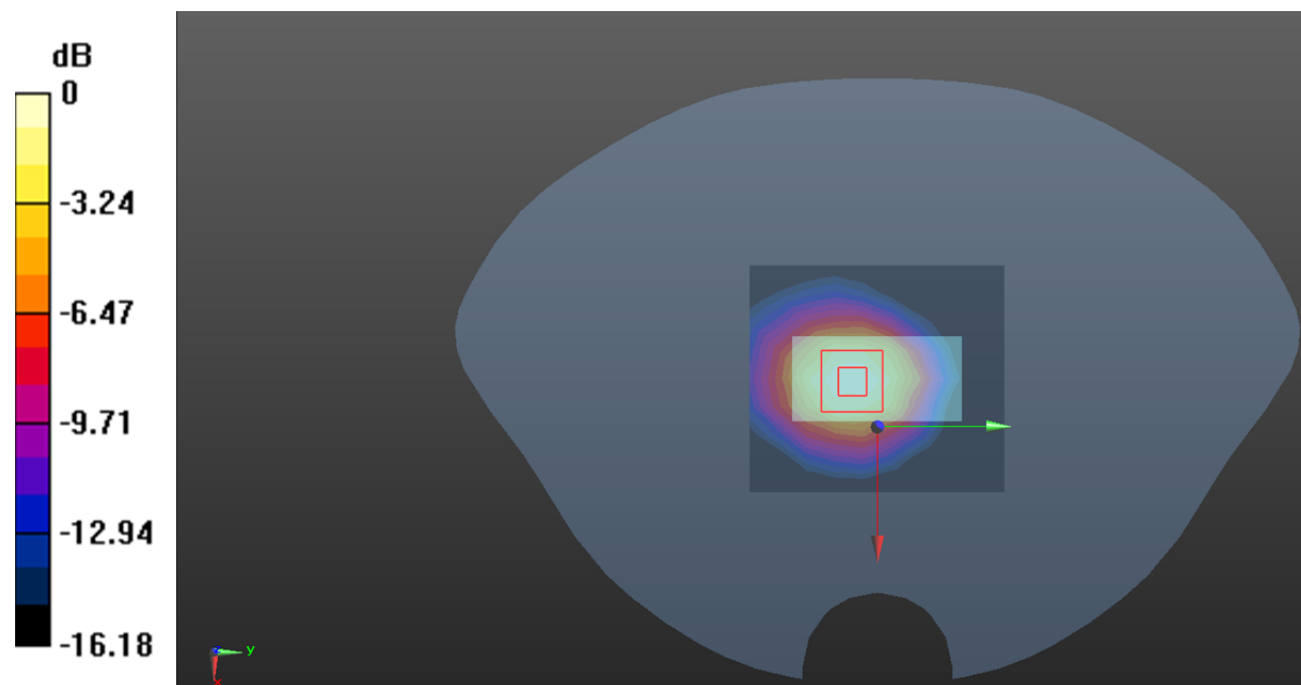
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.00 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.876 W/kg

**SAR(1 g) = 0.583 W/kg; SAR(10 g) = 0.323 W/kg**

Maximum value of SAR (measured) = 0.791 W/kg



0 dB = 0.791 W/kg = -1.02 dB dBW/kg

**Test Plot137#: LTE Band 66\_Head Left Cheek\_1RB\_Middle****DUT: SMART MULTI-MODE RADIO; Type: IRC380; Serial: 2C06-1;**

Communication System: Generic FDD-LTE (0); Frequency: 1745 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f=1745$  MHz;  $\sigma = 1.336$  S/m;  $\epsilon_r = 40.481$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(8.15, 8.15, 8.15) @1745 MHz; Calibrated: 2023/5/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1470
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (8x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.672 W/kg

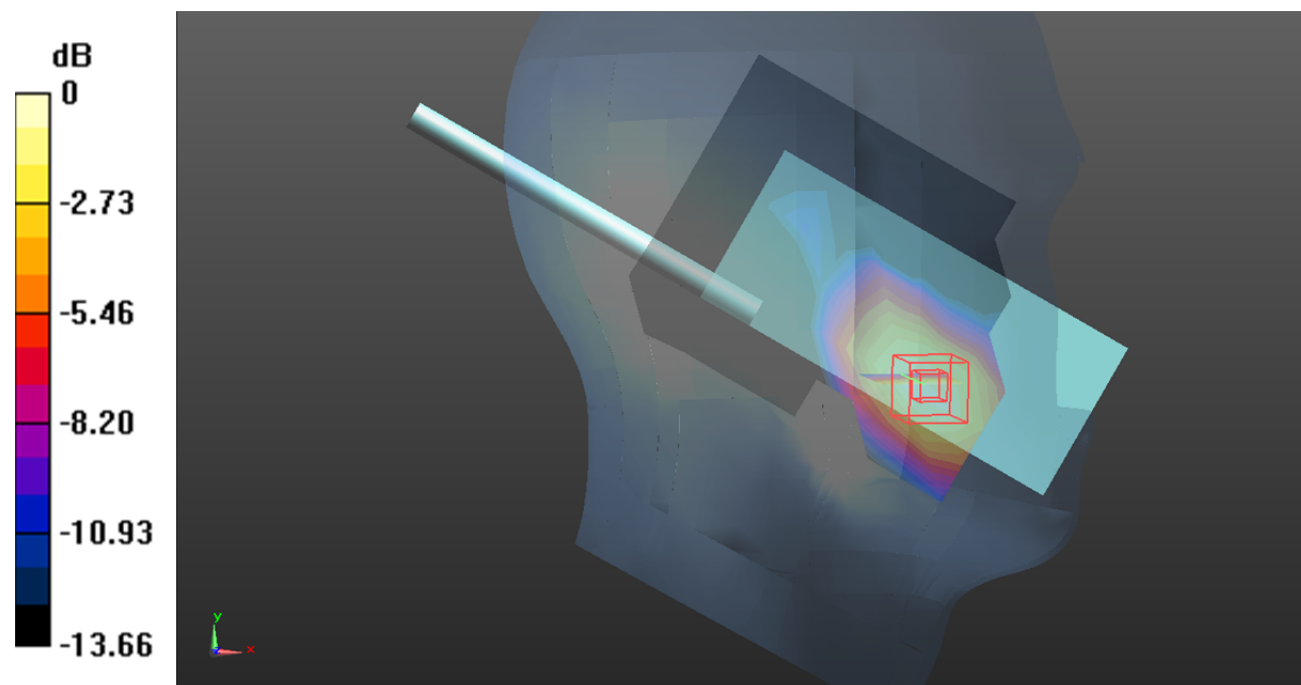
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.450 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.785 W/kg

**SAR(1 g) = 0.551 W/kg; SAR(10 g) = 0.339 W/kg**

Maximum value of SAR (measured) = 0.710 W/kg



0 dB = 0.710 W/kg = -1.49 dB dBW/kg

**Test Plot138#: LTE Band 66\_Head Left Cheek\_50%RB\_Middle****DUT: SMART MULTI-MODE RADIO; Type: IRC380; Serial: 2C06-1;**

Communication System: Generic FDD-LTE (0); Frequency: 1745 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f=1745$  MHz;  $\sigma = 1.336$  S/m;  $\epsilon_r = 40.481$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(8.15, 8.15, 8.15) @1745 MHz; Calibrated: 2023/5/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1470
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (8x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.521 W/kg

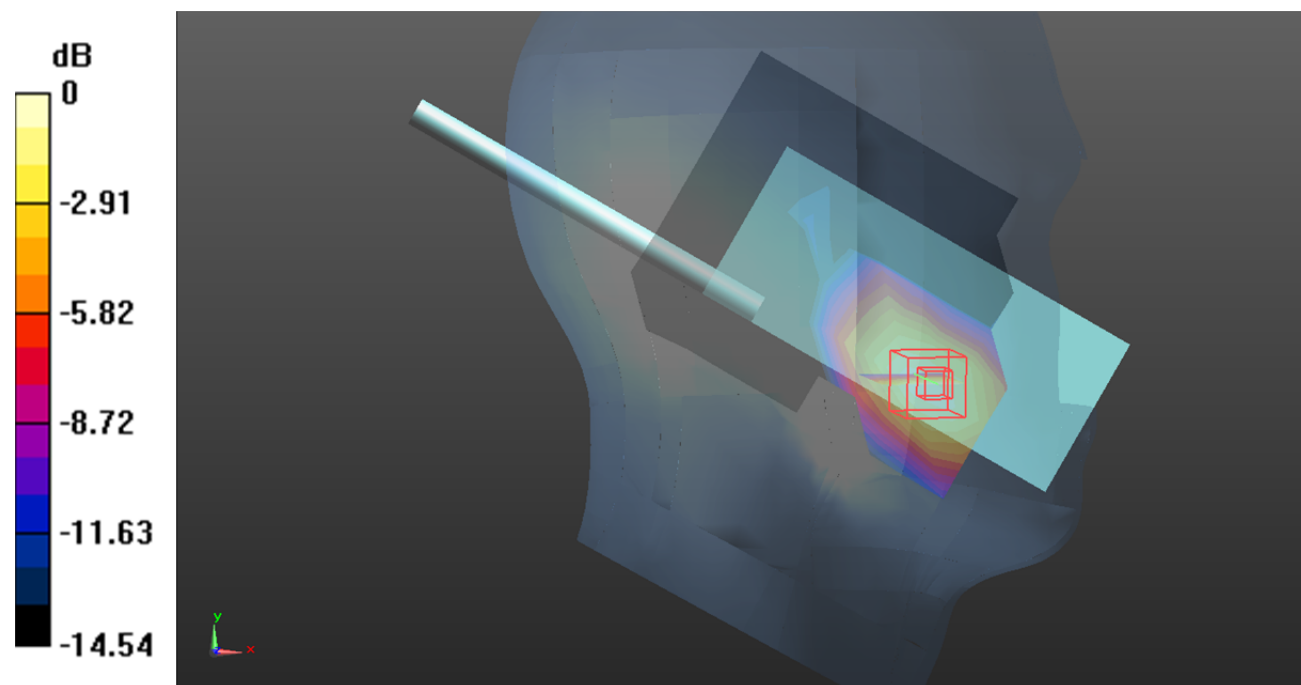
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.805 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.589 W/kg

**SAR(1 g) = 0.428 W/kg; SAR(10 g) = 0.261 W/kg**

Maximum value of SAR (measured) = 0.522 W/kg



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



**Test Plot139#: LTE Band 66\_Head Left Tilt\_1RB\_Middle****DUT: SMART MULTI-MODE RADIO; Type: IRC380; Serial: 2C06-1;**

Communication System: Generic FDD-LTE (0); Frequency: 1745 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f=1745$  MHz;  $\sigma = 1.336$  S/m;  $\epsilon_r = 40.481$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(8.15, 8.15, 8.15) @1745 MHz; Calibrated: 2023/5/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1470
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (8x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.0928 W/kg

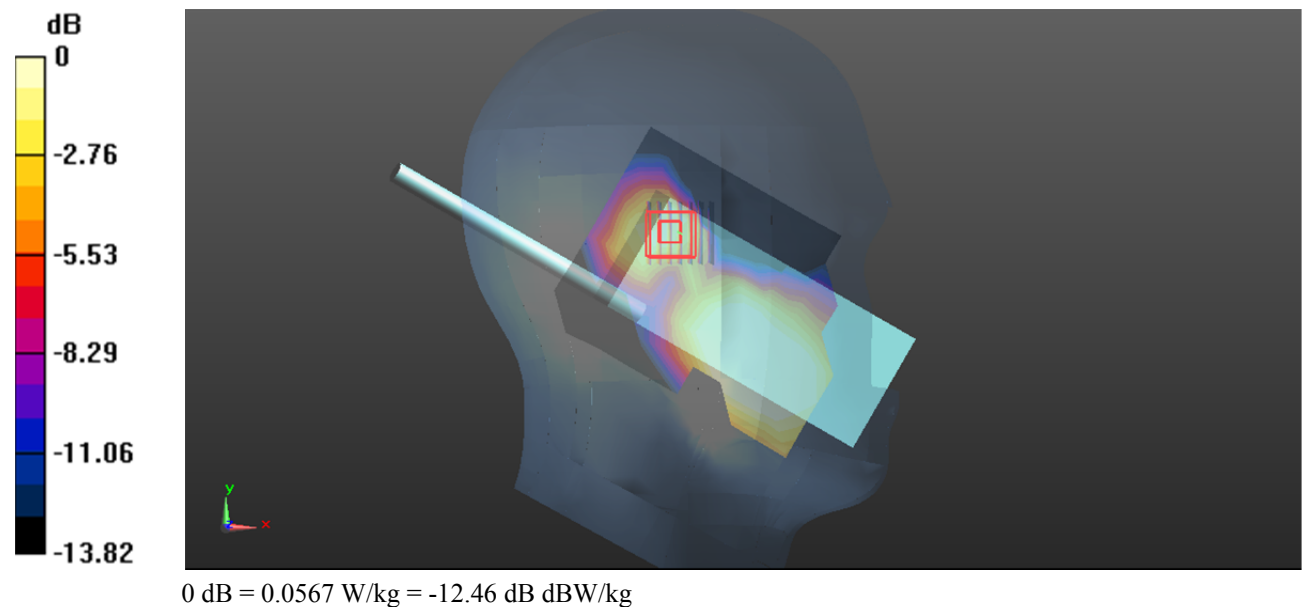
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.281 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.0670 W/kg

**SAR(1 g) = 0.043 W/kg; SAR(10 g) = 0.026 W/kg**

Maximum value of SAR (measured) = 0.0567 W/kg



**Test Plot140#: LTE Band 66\_Head Left Tilt\_50%RB\_Middle****DUT: SMART MULTI-MODE RADIO; Type: IRC380; Serial: 2C06-1;**

Communication System: Generic FDD-LTE (0); Frequency: 1745 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f=1745$  MHz;  $\sigma = 1.336$  S/m;  $\epsilon_r = 40.481$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(8.15, 8.15, 8.15) @1745 MHz; Calibrated: 2023/5/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1470
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (8x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.0705 W/kg

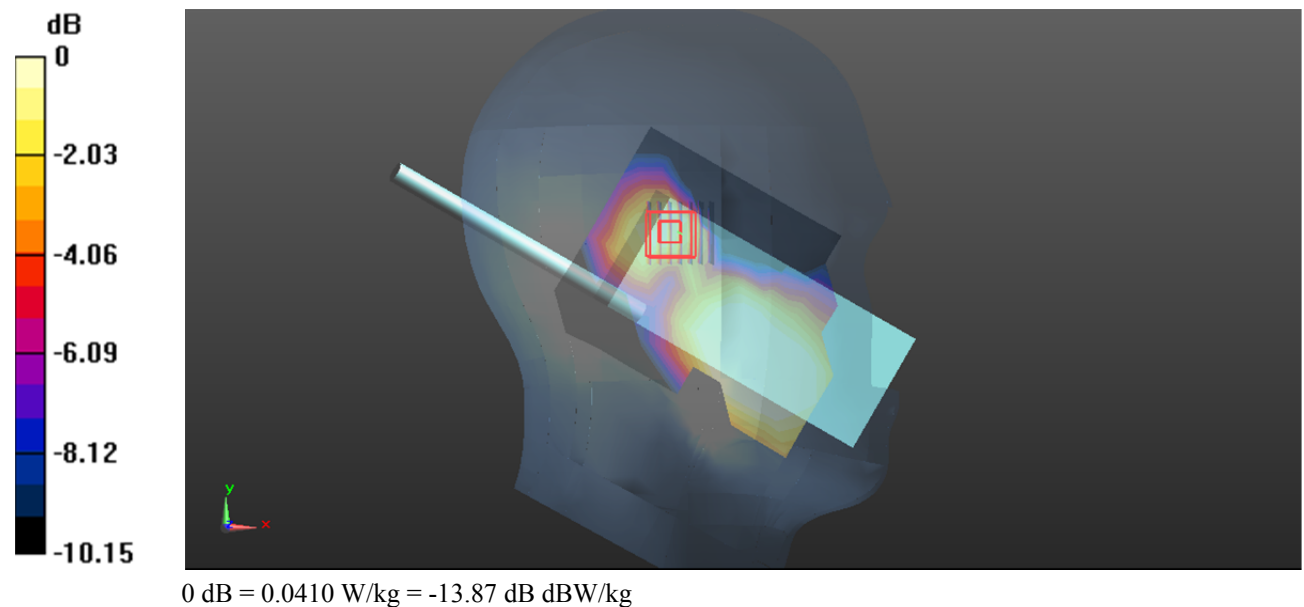
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.306 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.0500 W/kg

**SAR(1 g) = 0.030 W/kg; SAR(10 g) = 0.018 W/kg**

Maximum value of SAR (measured) = 0.0410 W/kg



**Test Plot141#: LTE Band 66\_Head Right Cheek\_1RB\_Middle****DUT: SMART MULTI-MODE RADIO; Type: IRC380; Serial: 2C06-1;**

Communication System: Generic FDD-LTE (0); Frequency: 1745 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f=1745$  MHz;  $\sigma = 1.336$  S/m;  $\epsilon_r = 40.481$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(8.15, 8.15, 8.15) @1745 MHz; Calibrated: 2023/5/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1470
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (8x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.368 W/kg

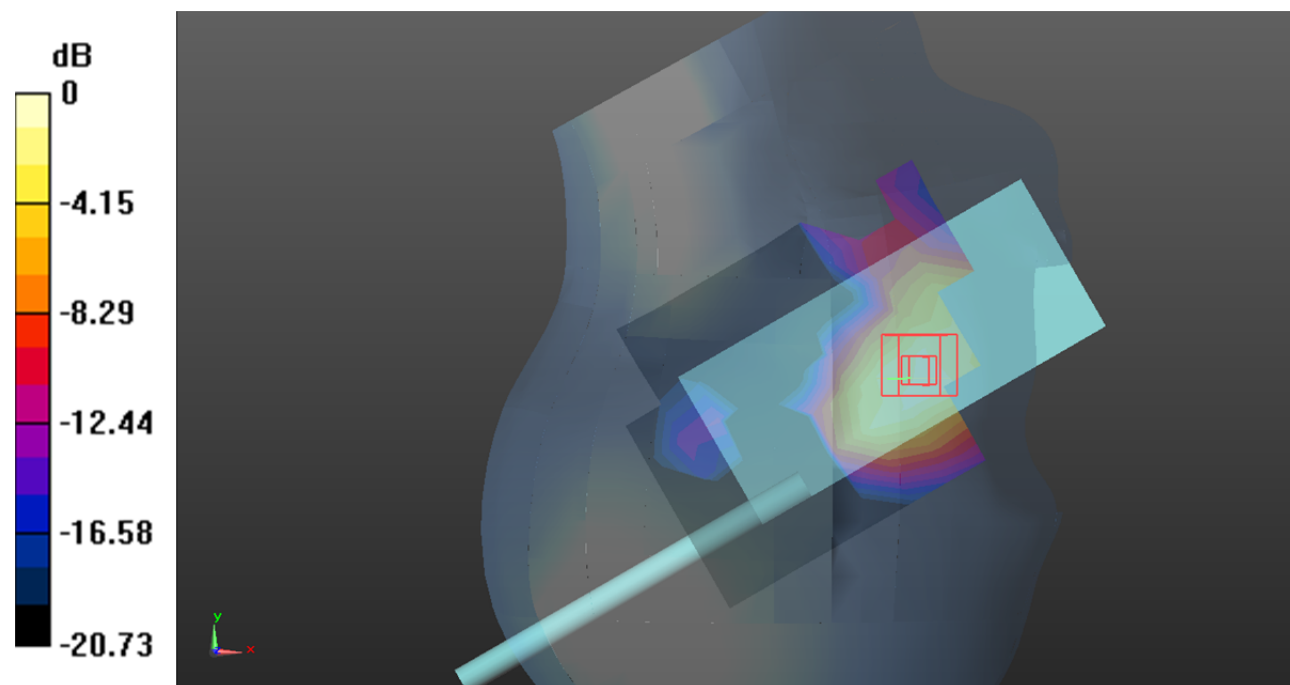
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.812 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.518 W/kg

**SAR(1 g) = 0.325 W/kg; SAR(10 g) = 0.205 W/kg**

Maximum value of SAR (measured) = 0.441 W/kg



0 dB = 0.441 W/kg = -3.56 dB dBW/kg

**Test Plot142#: LTE Band 66\_Head Right Cheek\_50%RB\_Middle****DUT: SMART MULTI-MODE RADIO; Type: IRC380; Serial: 2C06-1;**

Communication System: Generic FDD-LTE (0); Frequency: 1745 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f=1745$  MHz;  $\sigma = 1.336$  S/m;  $\epsilon_r = 40.481$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(8.15, 8.15, 8.15) @1745 MHz; Calibrated: 2023/5/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1470
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (8x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.288 W/kg

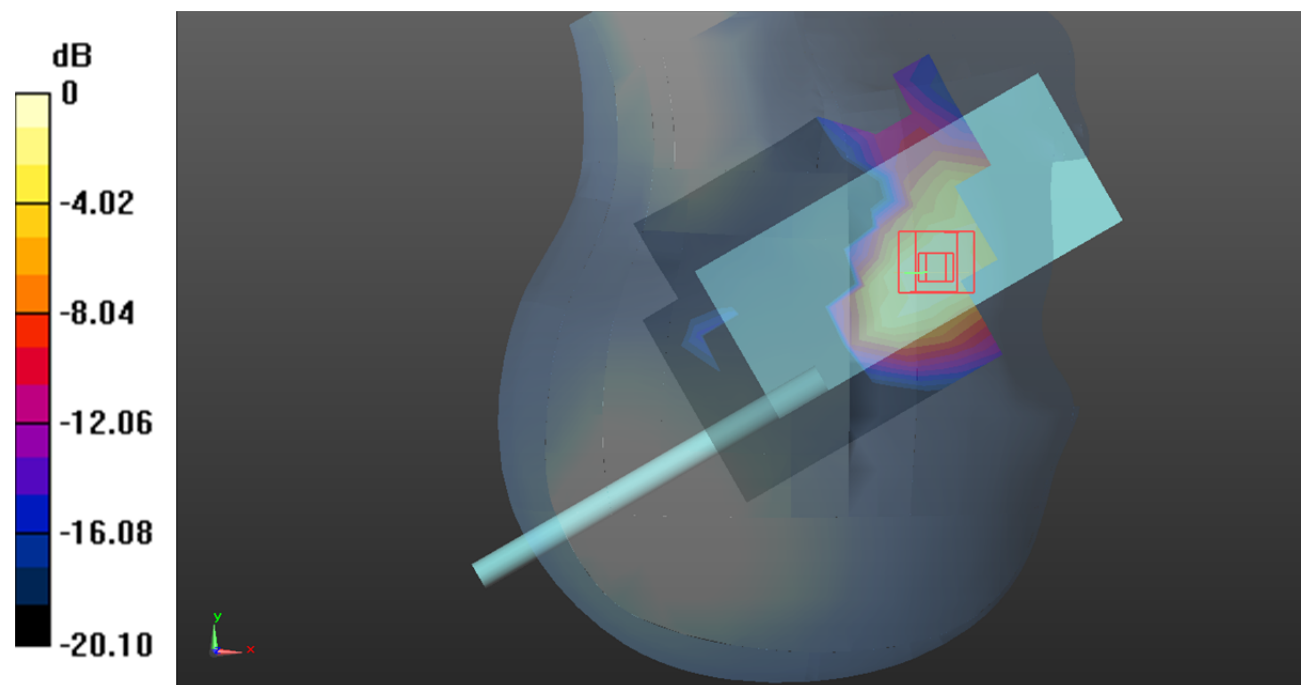
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.162 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.445 W/kg

**SAR(1 g) = 0.279 W/kg; SAR(10 g) = 0.174 W/kg**

Maximum value of SAR (measured) = 0.382 W/kg



0 dB = 0.382 W/kg = -4.18 dB dBW/kg

**Test Plot143#: LTE Band 66\_Head Right Tilt\_1RB\_Middle****DUT: SMART MULTI-MODE RADIO; Type: IRC380; Serial: 2C06-1;**

Communication System: Generic FDD-LTE (0); Frequency: 1745 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f=1745$  MHz;  $\sigma = 1.336$  S/m;  $\epsilon_r = 40.481$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(8.15, 8.15, 8.15) @1745 MHz; Calibrated: 2023/5/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1470
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (8x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.0704 W/kg

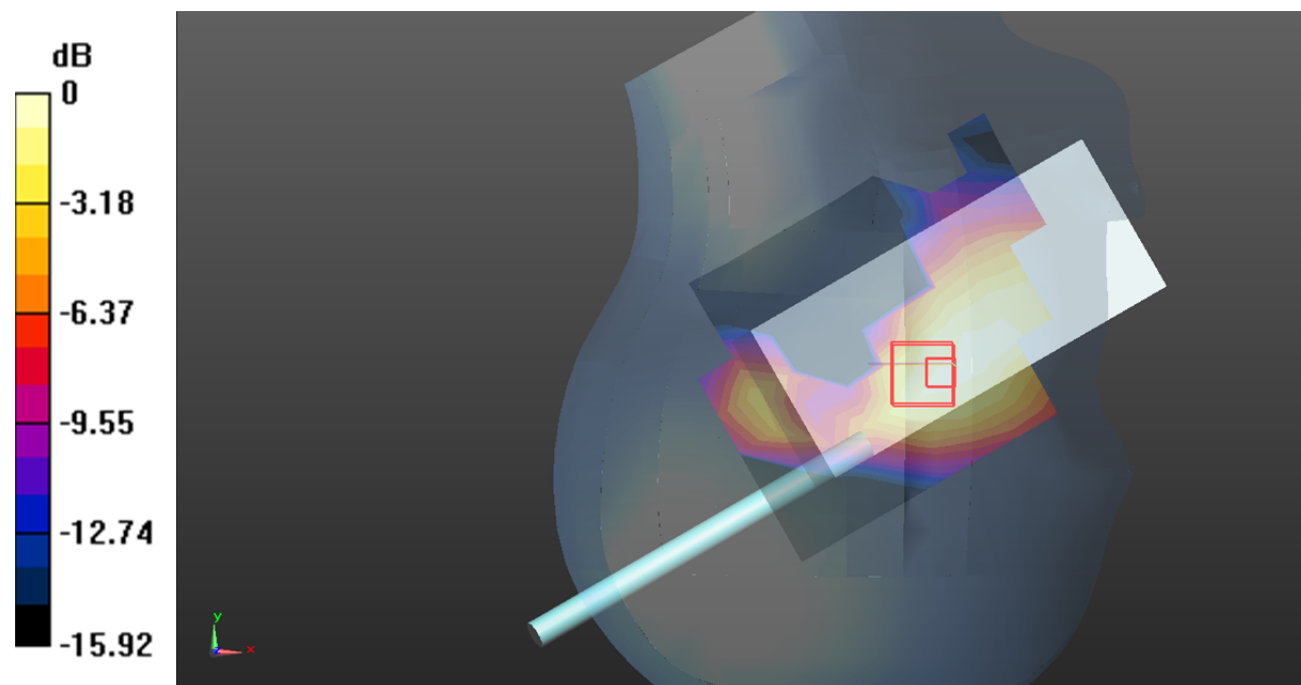
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.502 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.0860 W/kg

**SAR(1 g) = 0.058 W/kg; SAR(10 g) = 0.036 W/kg**

Maximum value of SAR (measured) = 0.0765 W/kg



0 dB = 0.0765 W/kg = -11.16 dB dBW/kg

**Test Plot144#: LTE Band 66\_Head Right Tilt\_50%RB\_Middle****DUT: SMART MULTI-MODE RADIO; Type: IRC380; Serial: 2C06-1;**

Communication System: Generic FDD-LTE (0); Frequency: 1745 MHz; Duty Cycle: 1:1

Medium parameters used:  $f=1745$  MHz;  $\sigma = 1.336$  S/m;  $\epsilon_r = 40.481$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;

Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(8.15, 8.15, 8.15) @1745 MHz; Calibrated: 2023/5/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1470
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (8x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.0606 W/kg

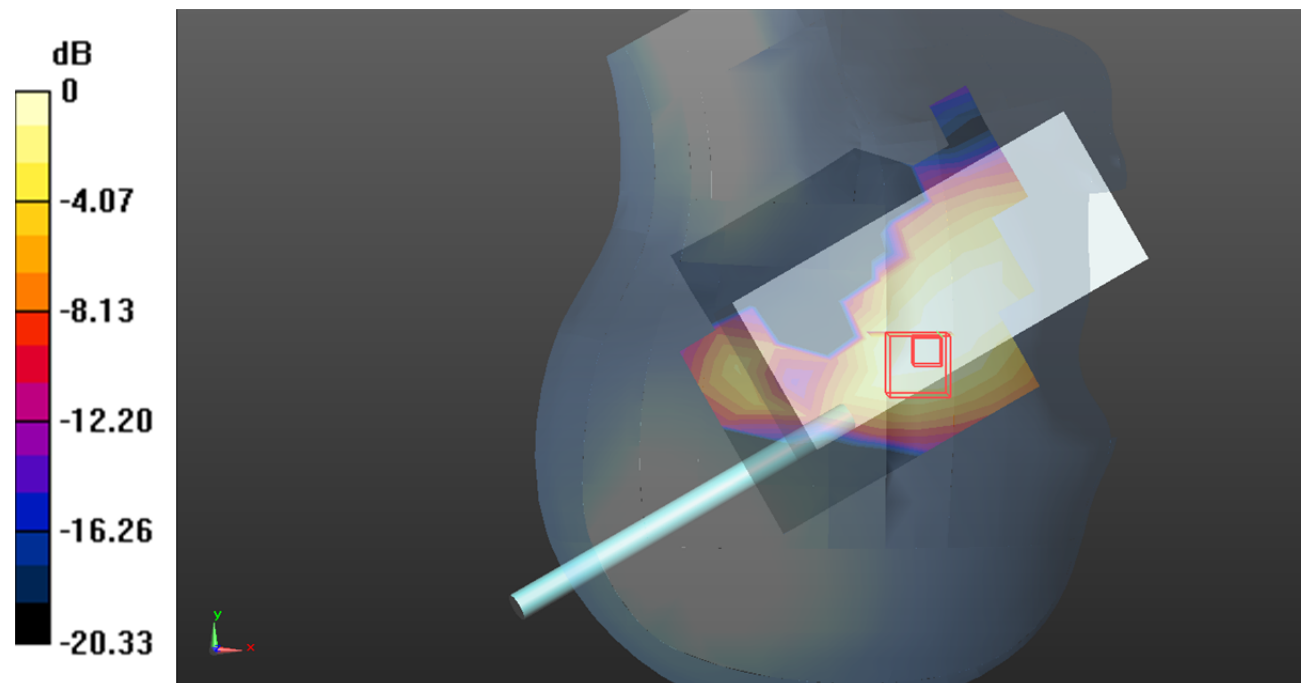
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.344 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.0690 W/kg

**SAR(1 g) = 0.047 W/kg; SAR(10 g) = 0.028 W/kg**

Maximum value of SAR (measured) = 0.0620 W/kg



0 dB = 0.0620 W/kg = -12.08 dB dBW/kg

**Test Plot145#: LTE Band 66\_Body Front\_1RB\_Middle****DUT: SMART MULTI-MODE RADIO; Type: IRC380; Serial: 2C06-1;**

Communication System: Generic FDD-LTE (0); Frequency: 1745 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f=1745$  MHz;  $\sigma = 1.336$  S/m;  $\epsilon_r = 40.481$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(8.15, 8.15, 8.15) @1745 MHz; Calibrated: 2023/5/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1470
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (8x10x1):**Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.327 W/kg

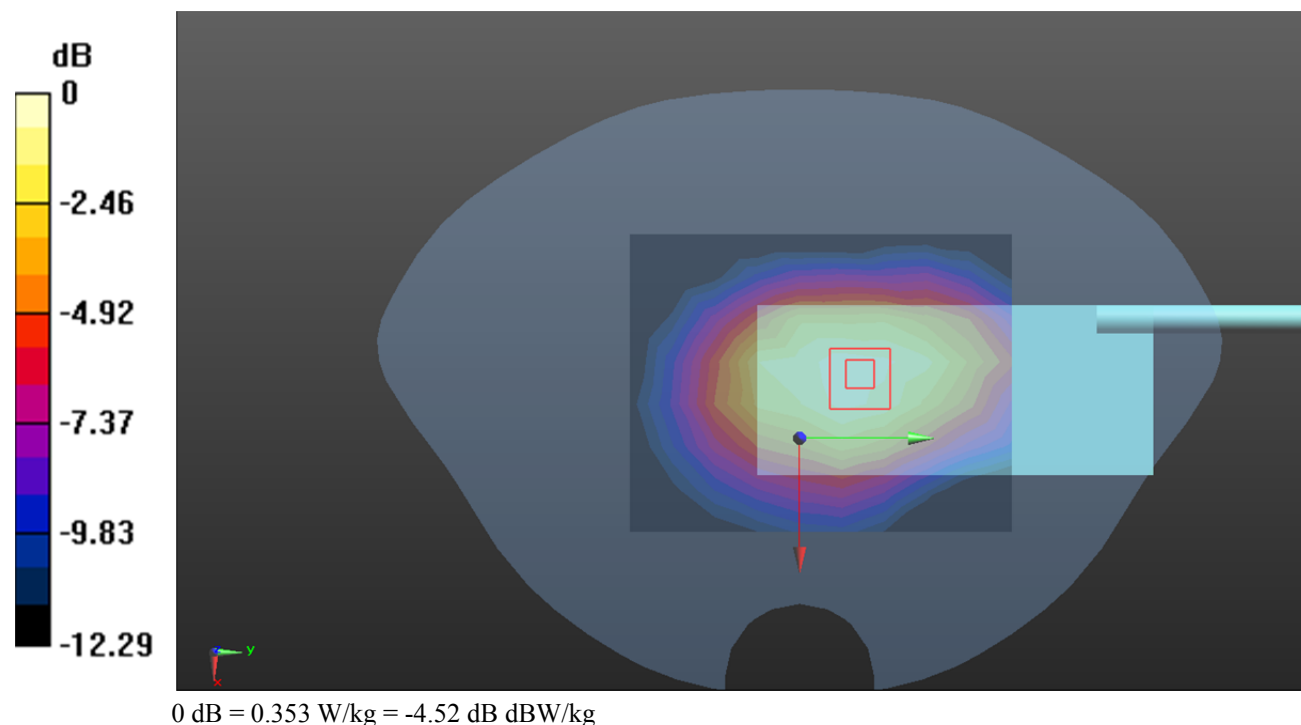
**Zoom Scan (7x7x7)/Cube 0:**Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.93 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.406 W/kg

**SAR(1 g) = 0.274 W/kg; SAR(10 g) = 0.180 W/kg**

Maximum value of SAR (measured) = 0.353 W/kg



**Test Plot146#: LTE Band 66\_Body Front\_50%RB\_Middle****DUT: SMART MULTI-MODE RADIO; Type: IRC380; Serial: 2C06-1;**

Communication System: Generic FDD-LTE (0); Frequency: 1745 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f=1745$  MHz;  $\sigma = 1.336$  S/m;  $\epsilon_r = 40.481$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(8.15, 8.15, 8.15) @1745 MHz; Calibrated: 2023/5/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1470
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (8x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.272 W/kg

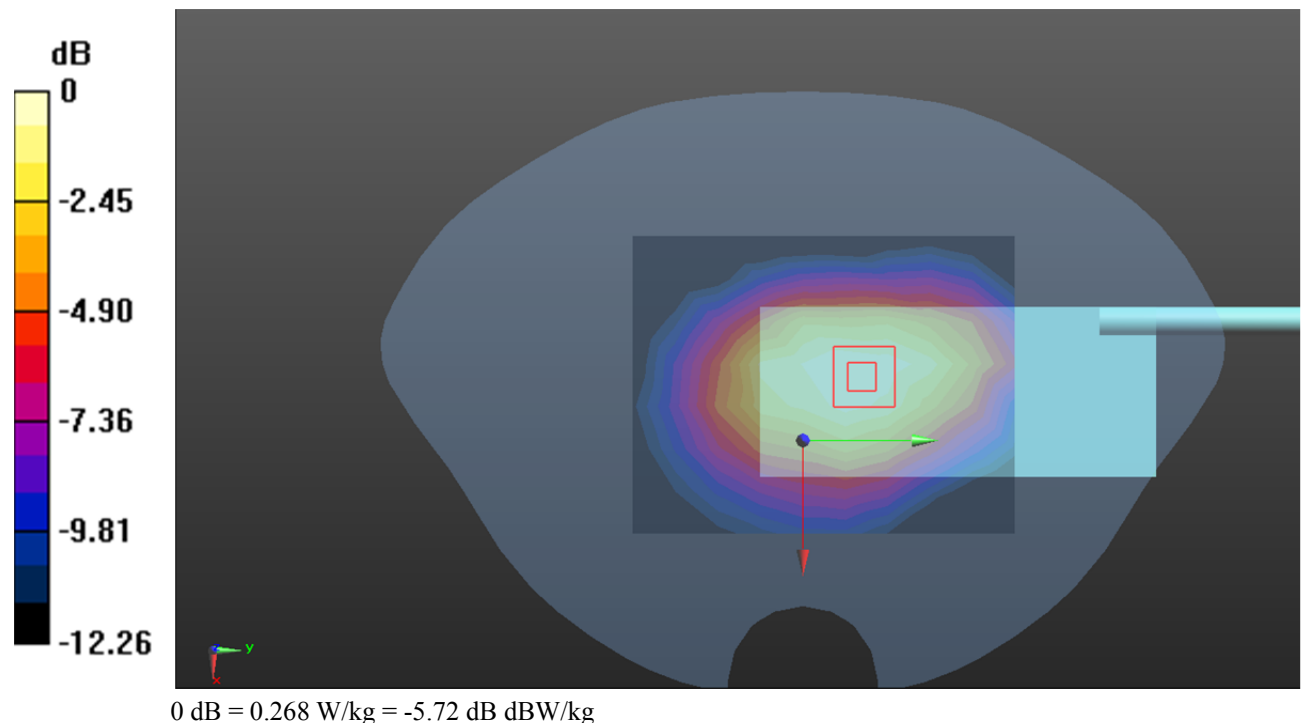
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.93 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.304 W/kg

**SAR(1 g) = 0.210 W/kg; SAR(10 g) = 0.140 W/kg**

Maximum value of SAR (measured) = 0.268 W/kg





**Test Plot147#: LTE Band 66\_Body Back\_1RB\_Middle****DUT: SMART MULTI-MODE RADIO; Type: IRC380; Serial: 2C06-1;**

Communication System: Generic FDD-LTE (0); Frequency: 1745 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f=1745$  MHz;  $\sigma = 1.336$  S/m;  $\epsilon_r = 40.481$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(8.15, 8.15, 8.15) @1745 MHz; Calibrated: 2023/5/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1470
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (8x10x1):** Measurement grid: dx=15mm, dy=15mm

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

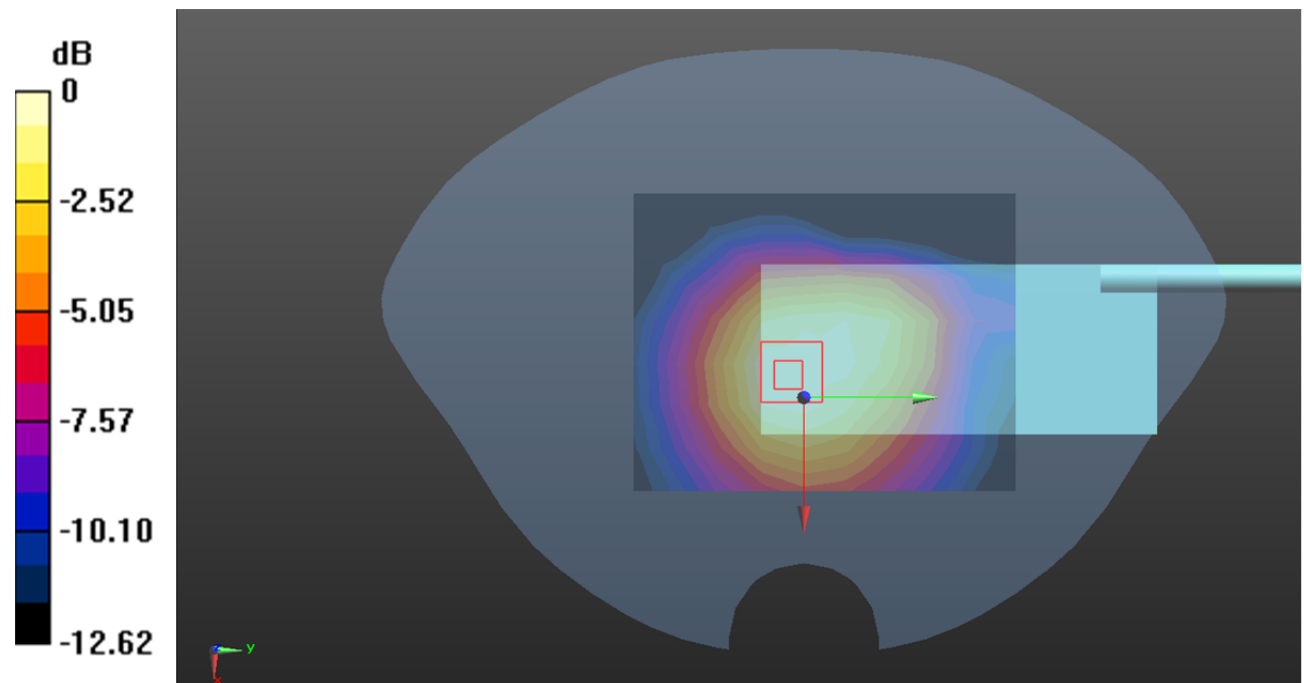
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 17.02 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.437 W/kg

**SAR(1 g) = 0.303 W/kg; SAR(10 g) = 0.202 W/kg**

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



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

**Test Plot148#: LTE Band 66\_Body Back\_50%RB\_Middle****DUT: SMART MULTI-MODE RADIO; Type: IRC380; Serial: 2C06-1;**

Communication System: Generic FDD-LTE (0); Frequency: 1745 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f=1745$  MHz;  $\sigma = 1.336$  S/m;  $\epsilon_r = 40.481$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(8.15, 8.15, 8.15) @1745 MHz; Calibrated: 2023/5/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1470
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (8x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.298 W/kg

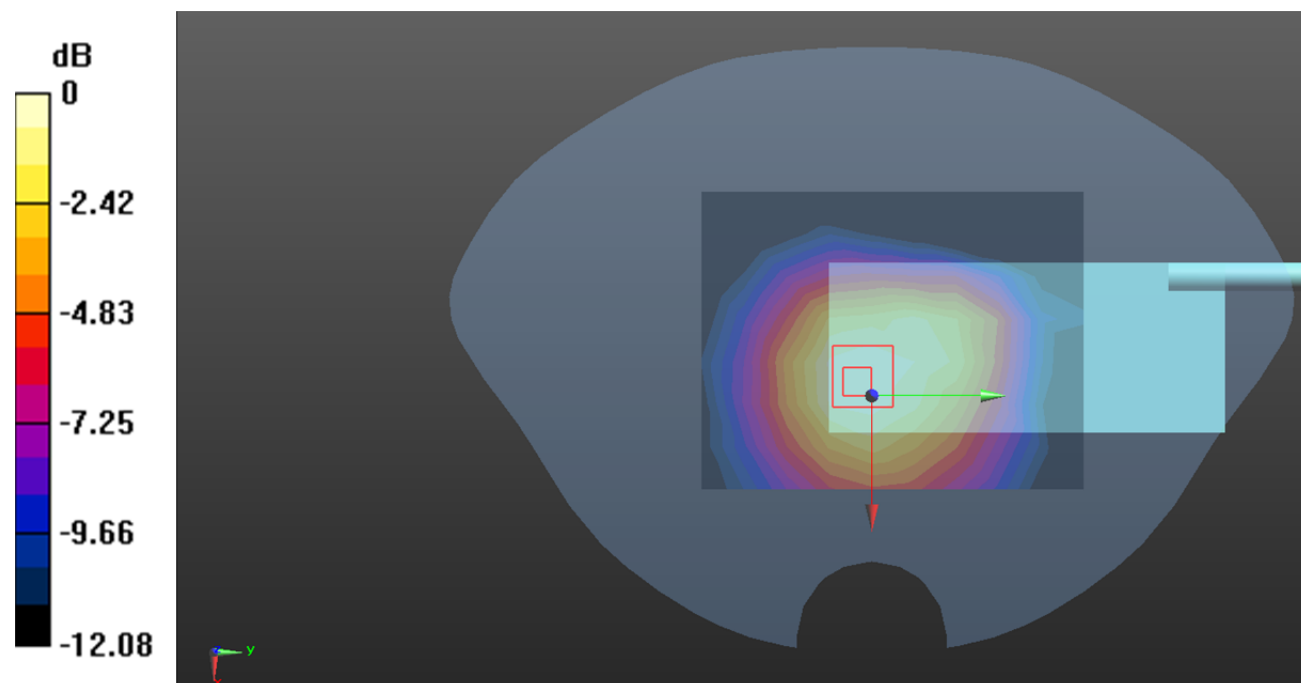
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.60 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.345 W/kg

**SAR(1 g) = 0.237 W/kg; SAR(10 g) = 0.157 W/kg**

Maximum value of SAR (measured) = 0.306 W/kg



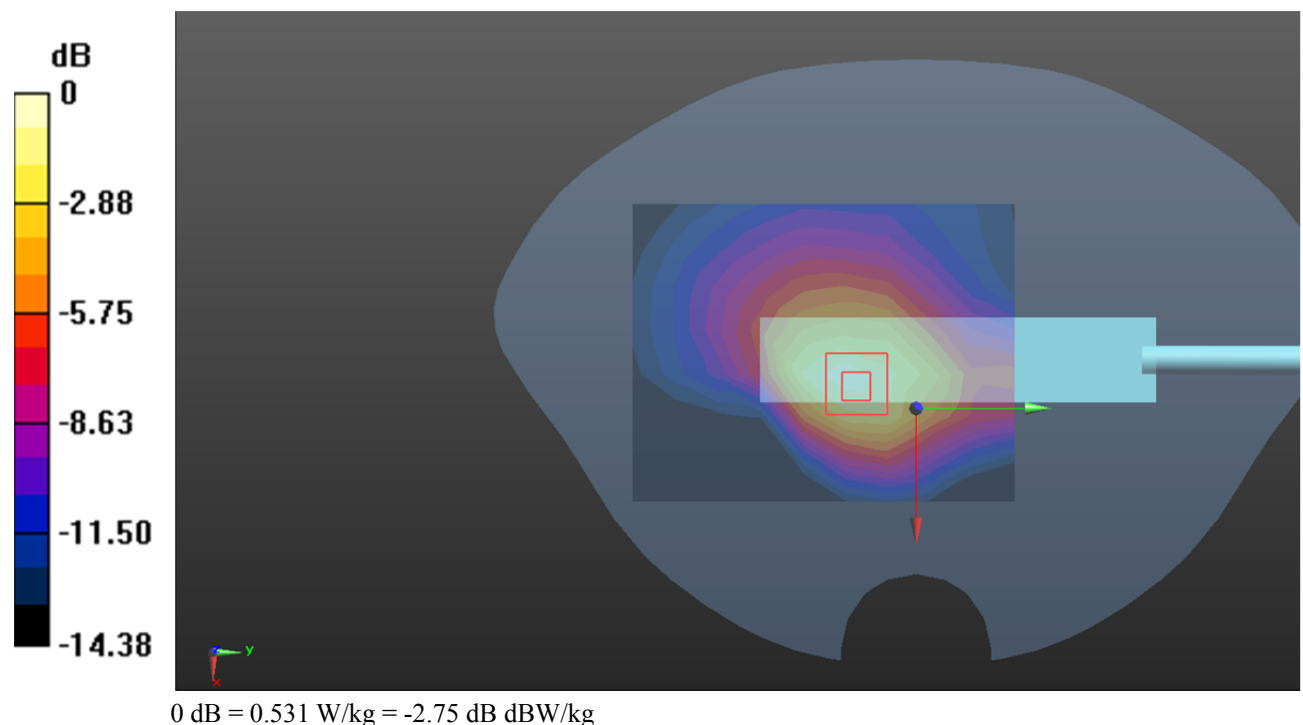
**DUT: SMART MULTI-MODE RADIO; Type: IRC380; Serial: 2C06-1;**

### DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(8.15, 8.15, 8.15) @1745 MHz; Calibrated: 2023/5/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1470
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Maximum value of SAR (interpolated) = 0.508 W/kg

Maximum value of SAR (measured) = 0.531 W/kg





**Test Plot151#: LTE Band 66\_Body Right\_1RB\_Middle****DUT: SMART MULTI-MODE RADIO; Type: IRC380; Serial: 2C06-1;**

Communication System: Generic FDD-LTE (0); Frequency: 1745 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f=1745$  MHz;  $\sigma = 1.336$  S/m;  $\epsilon_r = 40.481$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(8.15, 8.15, 8.15) @1745 MHz; Calibrated: 2023/5/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1470
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (8x8x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.0807 W/kg

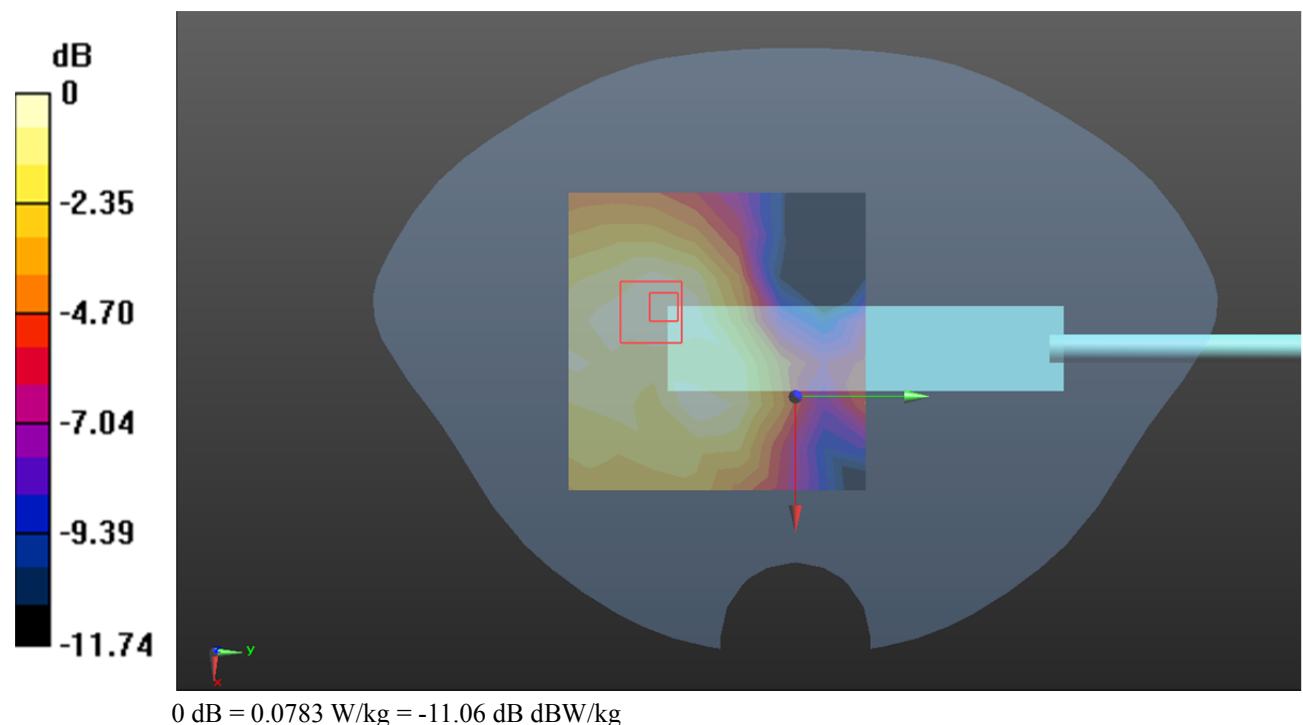
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.862 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.0930 W/kg

**SAR(1 g) = 0.058 W/kg; SAR(10 g) = 0.038 W/kg**

Maximum value of SAR (measured) = 0.0783 W/kg



**Test Plot152#: LTE Band 66\_Body Right\_50%RB\_Middle****DUT: SMART MULTI-MODE RADIO; Type: IRC380; Serial: 2C06-1;**

Communication System: Generic FDD-LTE (0); Frequency: 1745 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f=1745$  MHz;  $\sigma = 1.336$  S/m;  $\epsilon_r = 40.481$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(8.15, 8.15, 8.15) @1745 MHz; Calibrated: 2023/5/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1470
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (8x8x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.0659 W/kg

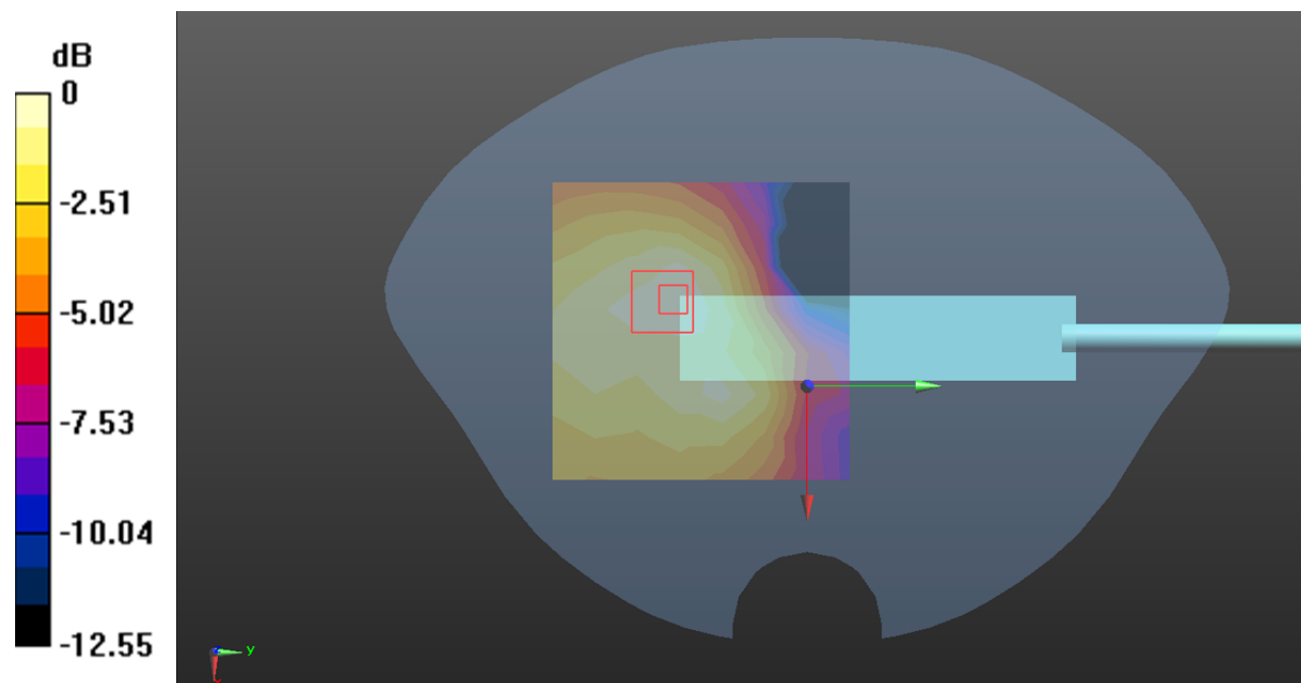
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.456 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.0780 W/kg

**SAR(1 g) = 0.048 W/kg; SAR(10 g) = 0.031 W/kg**

Maximum value of SAR (measured) = 0.0652 W/kg



0 dB = 0.0652 W/kg = -11.86 dB dBW/kg

**Test Plot153#: LTE Band 66\_Body Bottom\_1RB\_Low****DUT: SMART MULTI-MODE RADIO; Type: IRC380; Serial: 2C06-1;**

Communication System: Generic FDD-LTE (0); Frequency: 1720 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f=1720$  MHz;  $\sigma = 1.327$  S/m;  $\epsilon_r = 40.561$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(8.15, 8.15, 8.15) @1720 MHz; Calibrated: 2023/5/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1470
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (8x8x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.03 W/kg

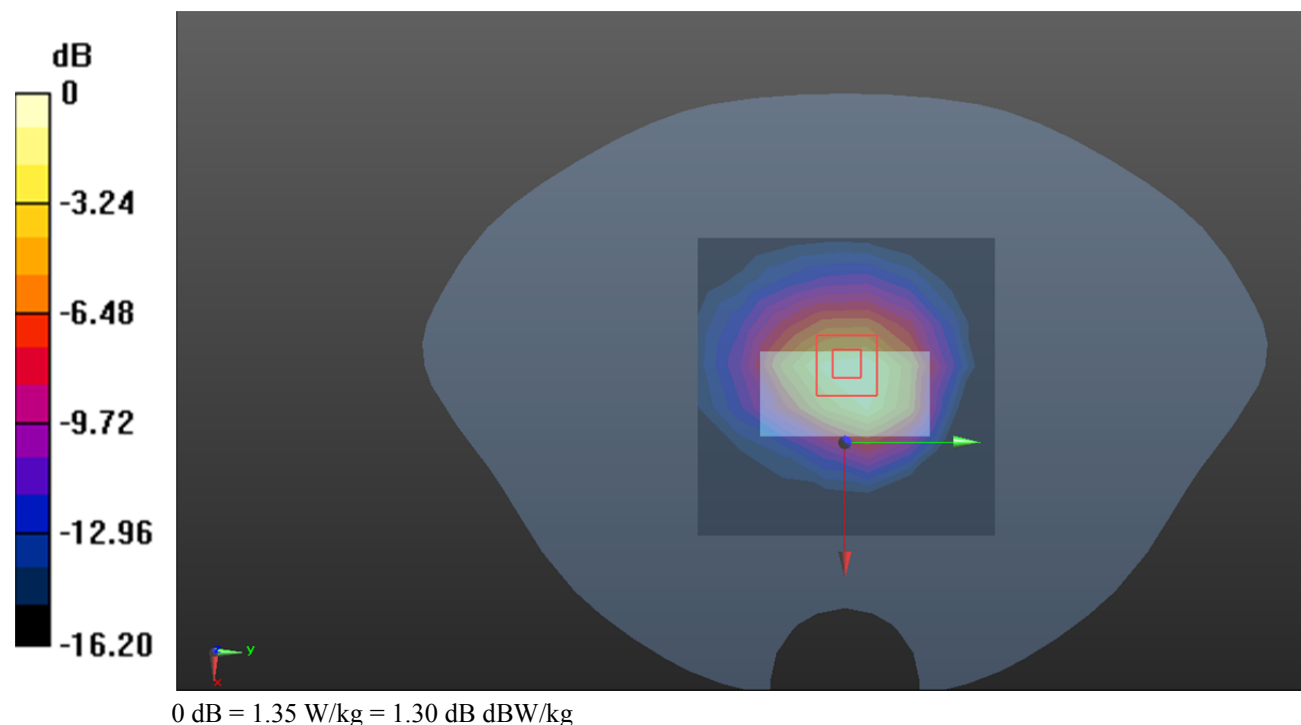
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 28.80 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.53 W/kg

**SAR(1 g) = 1.01 W/kg; SAR(10 g) = 0.587 W/kg**

Maximum value of SAR (measured) = 1.35 W/kg



**Test Plot154#: LTE Band 66\_Body Bottom\_1RB\_Middle****DUT: SMART MULTI-MODE RADIO; Type: IRC380; Serial: 2C06-1;**

Communication System: Generic FDD-LTE (0); Frequency: 1745 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f=1745$  MHz;  $\sigma = 1.336$  S/m;  $\epsilon_r = 40.481$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(8.15, 8.15, 8.15) @1745 MHz; Calibrated: 2023/5/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1470
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (8x8x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.06 W/kg

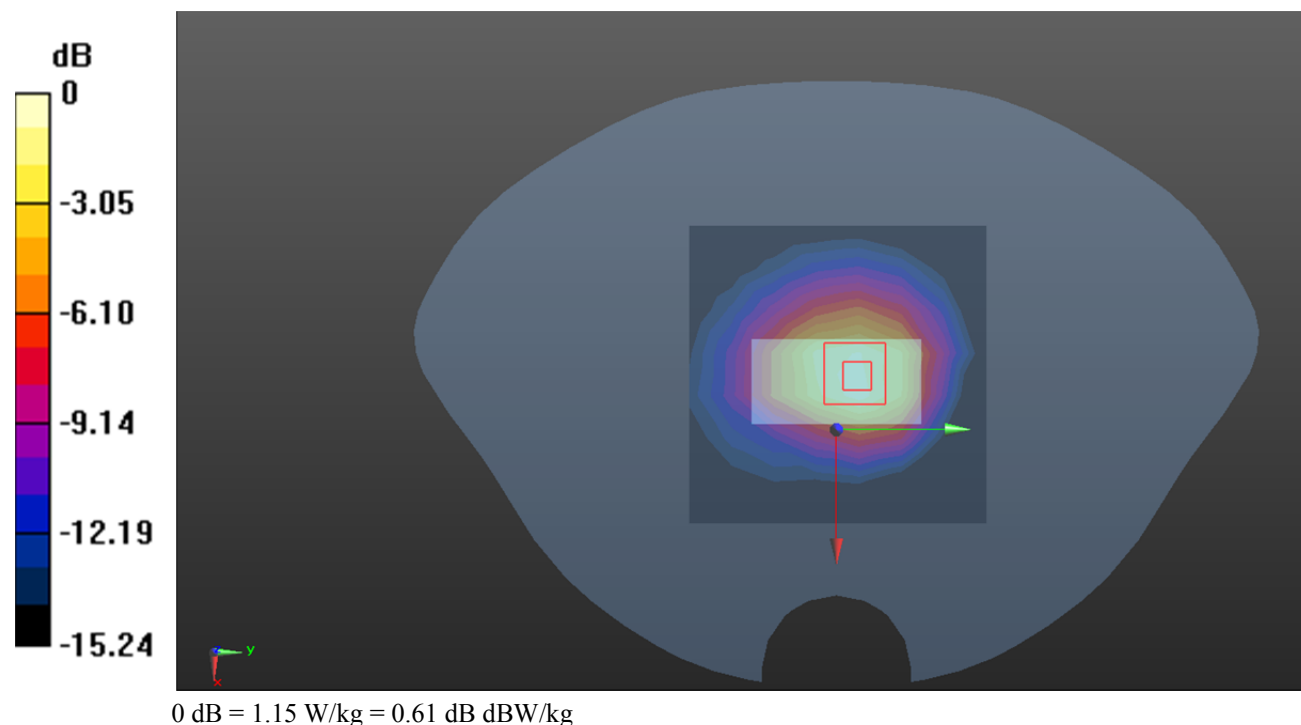
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 29.54 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 1.28 W/kg

**SAR(1 g) = 0.881 W/kg; SAR(10 g) = 0.533 W/kg**

Maximum value of SAR (measured) = 1.15 W/kg





**Test Plot155#: LTE Band 66\_Body Bottom\_1RB\_High****DUT: SMART MULTI-MODE RADIO; Type: IRC380; Serial: 2C06-1;**

Communication System: Generic FDD-LTE (0); Frequency: 1770 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f=1770$  MHz;  $\sigma = 1.359$  S/m;  $\epsilon_r = 40.214$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(8.15, 8.15, 8.15) @1770 MHz; Calibrated: 2023/5/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1470
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (8x8x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.12 W/kg

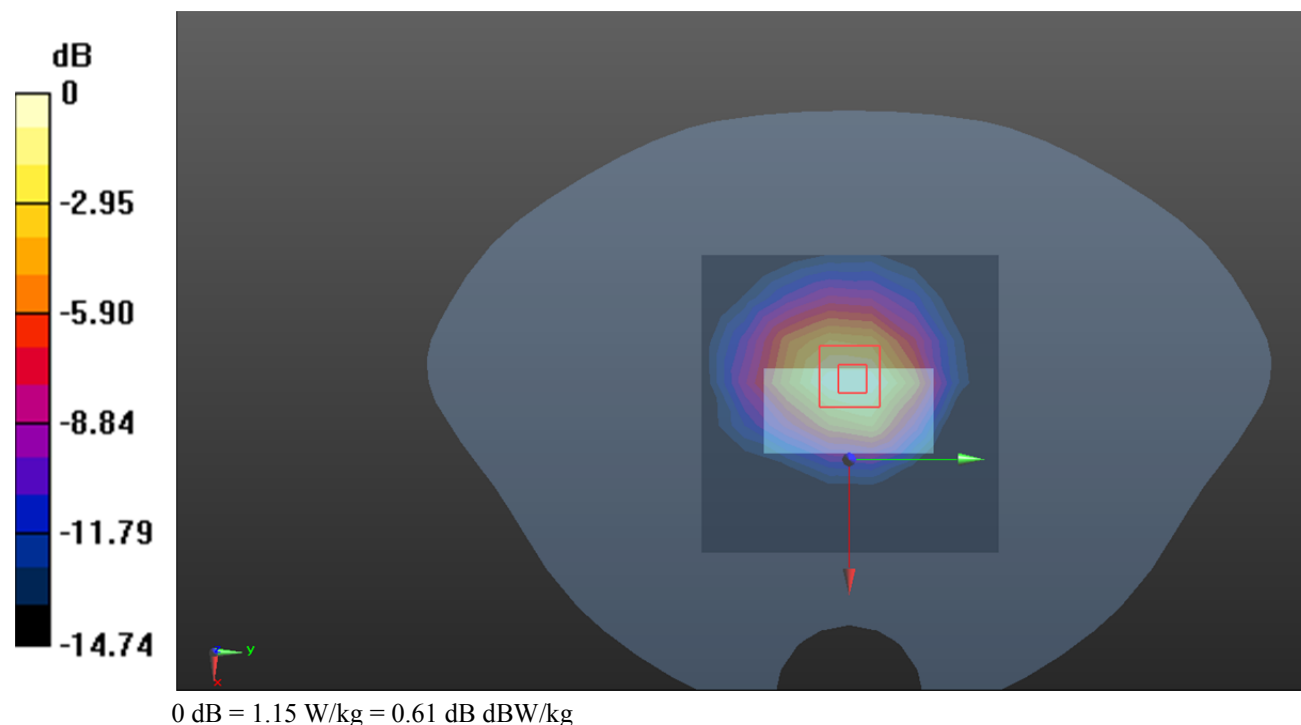
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 24.68 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.29 W/kg

**SAR(1 g) = 0.867 W/kg; SAR(10 g) = 0.507 W/kg**

Maximum value of SAR (measured) = 1.15 W/kg



**Test Plot156#: LTE Band 66\_Body Bottom\_50%RB\_Middle****DUT: SMART MULTI-MODE RADIO; Type: IRC380; Serial: 2C06-1;**

Communication System: Generic FDD-LTE (0); Frequency: 1745 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f=1745$  MHz;  $\sigma = 1.336$  S/m;  $\epsilon_r = 40.481$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(8.15, 8.15, 8.15) @1745 MHz; Calibrated: 2023/5/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1470
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (8x8x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.578 W/kg

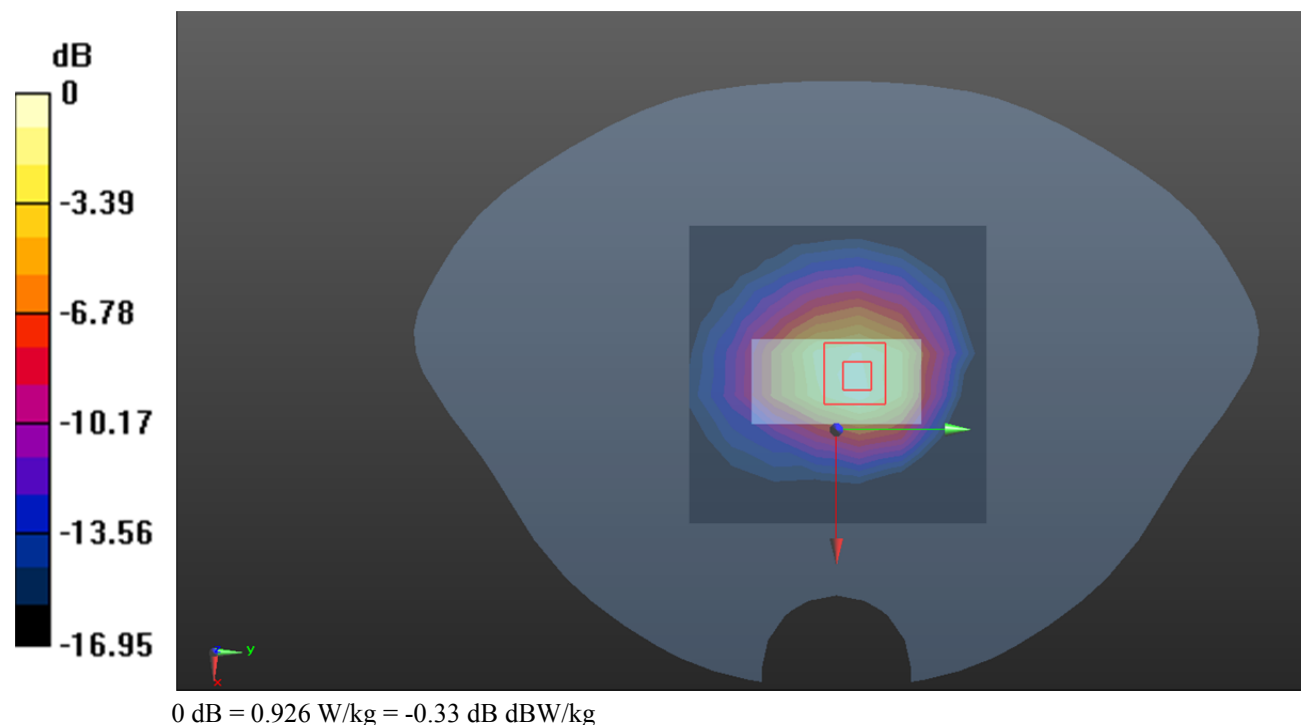
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.24 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.06 W/kg

**SAR(1 g) = 0.682 W/kg; SAR(10 g) = 0.391 W/kg**

Maximum value of SAR (measured) = 0.926 W/kg



**Test Plot157#: LTE Band 66\_Body Bottom\_100%RB\_Middle****DUT: SMART MULTI-MODE RADIO; Type: IRC380; Serial: 2C06-1;**

Communication System: Generic FDD-LTE (0); Frequency: 1745 MHz; Duty Cycle: 1:1

Medium parameters used:  $f=1745$  MHz;  $\sigma = 1.336$  S/m;  $\epsilon_r = 40.481$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(8.15, 8.15, 8.15) @1745 MHz; Calibrated: 2023/5/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1470
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (8x8x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.794 W/kg

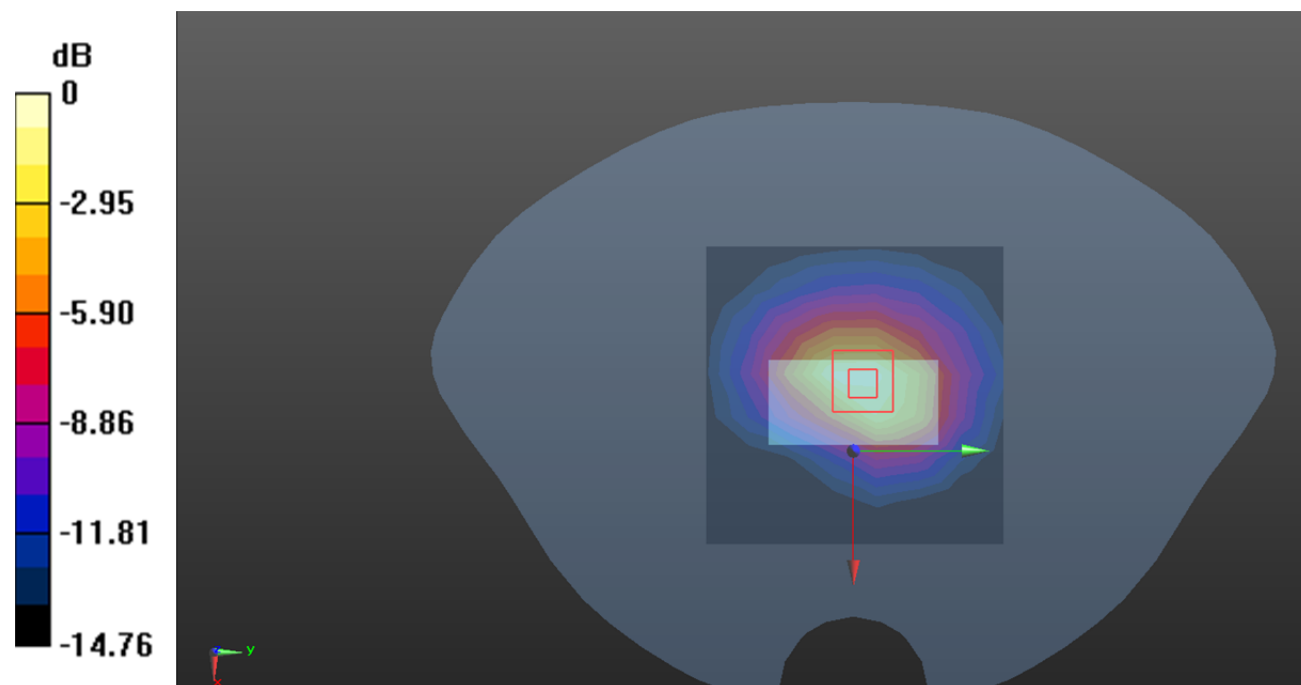
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 23.38 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.05 W/kg

**SAR(1 g) = 0.677 W/kg; SAR(10 g) = 0.390 W/kg**

Maximum value of SAR (measured) = 0.900 W/kg



0 dB = 0.900 W/kg = -0.46 dB dBW/kg

**Test Plot158#: 2.4G WIFI\_Head Left Cheek\_Middle****DUT: SMART MULTI-MODE RADIO; Type: IRC380; Serial: 2C06-1;**

Communication System: 802.11b (0); Frequency: 2437 MHz; Duty Cycle: 1:1.006

Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.805$  S/m;  $\epsilon_r = 39.193$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(7.42, 7.42, 7.42) @ 2437 MHz; Calibrated: 2023/5/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1470
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Area Scan (11x13x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.0971 W/kg

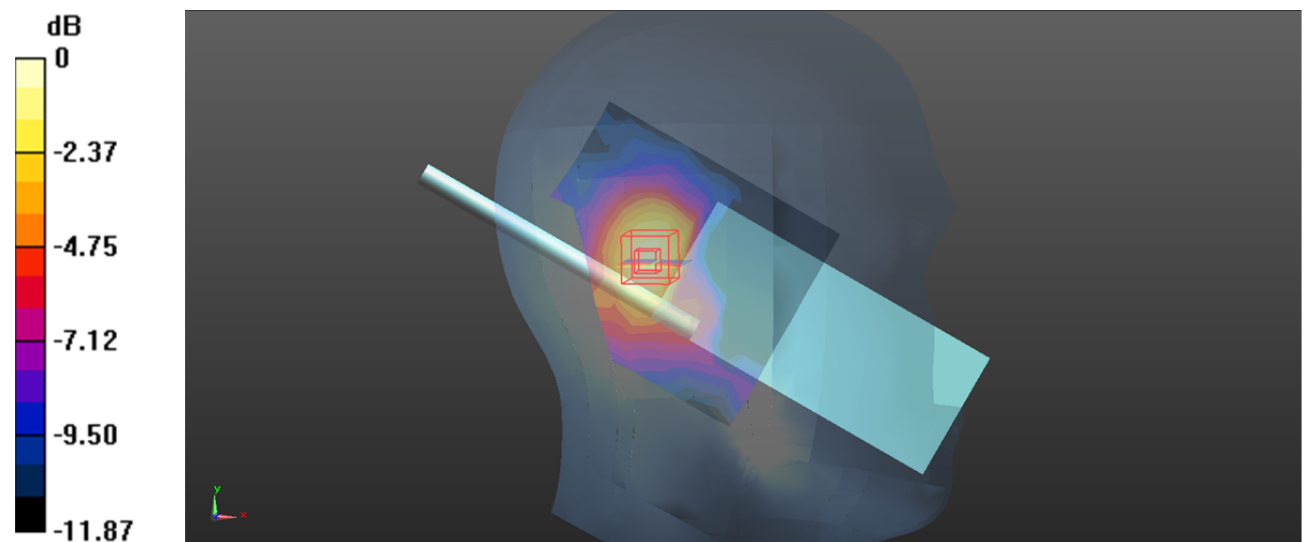
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.137 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.101 W/kg

**SAR(1 g) = 0.071 W/kg; SAR(10 g) = 0.042 W/kg**

Maximum value of SAR (measured) = 0.0927 W/kg



0 dB = 0.0927 W/kg = -10.33 dBW/kg

**Test Plot159#: 2.4G WIFI\_Head Left Tilt\_Middle****DUT: SMART MULTI-MODE RADIO; Type: IRC380; Serial: 2C06-1;**

Communication System: 802.11b (0); Frequency: 2437 MHz; Duty Cycle: 1:1.006

Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.805$  S/m;  $\epsilon_r = 39.193$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(7.42, 7.42, 7.42) @ 2437 MHz; Calibrated: 2023/5/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1470
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Area Scan (11x12x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.132 W/kg

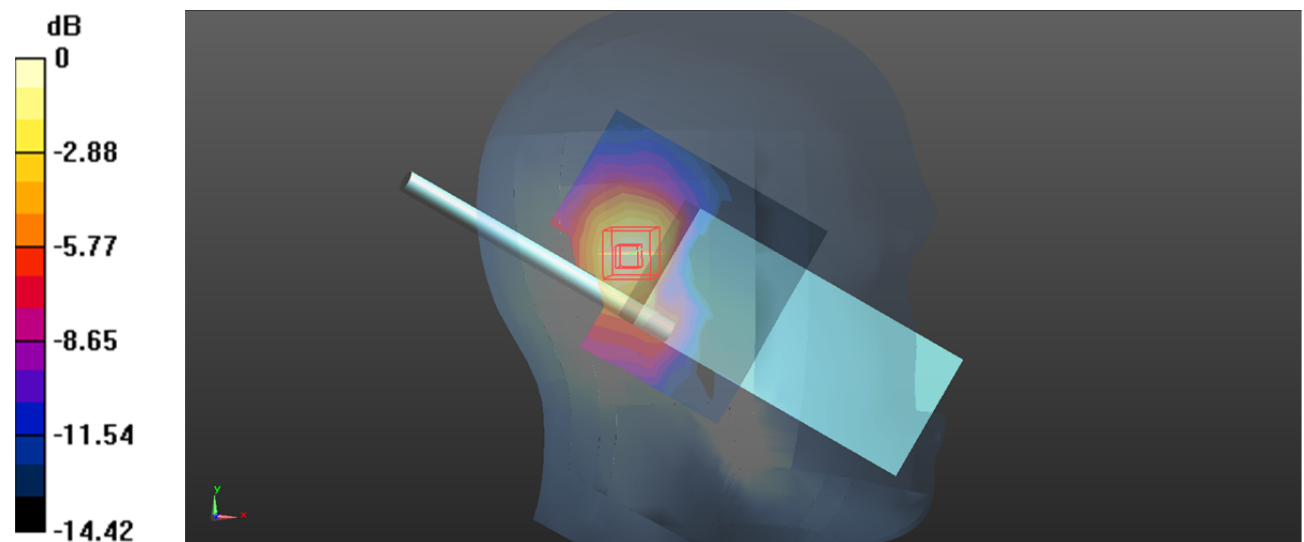
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.919 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.144 W/kg

**SAR(1 g) = 0.096 W/kg; SAR(10 g) = 0.056 W/kg**

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



0 dB = 0.128 W/kg = -8.93 dBW/kg

**Test Plot160#: 2.4G WIFI\_Head Right Cheek\_Middle****DUT: SMART MULTI-MODE RADIO; Type: IRC380; Serial: 2C06-1;**

Communication System: 802.11b (0); Frequency: 2437 MHz; Duty Cycle: 1:1.006

Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.805$  S/m;  $\epsilon_r = 39.193$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(7.42, 7.42, 7.42) @ 2437 MHz; Calibrated: 2023/5/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1470
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Area Scan (11x12x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.104 W/kg

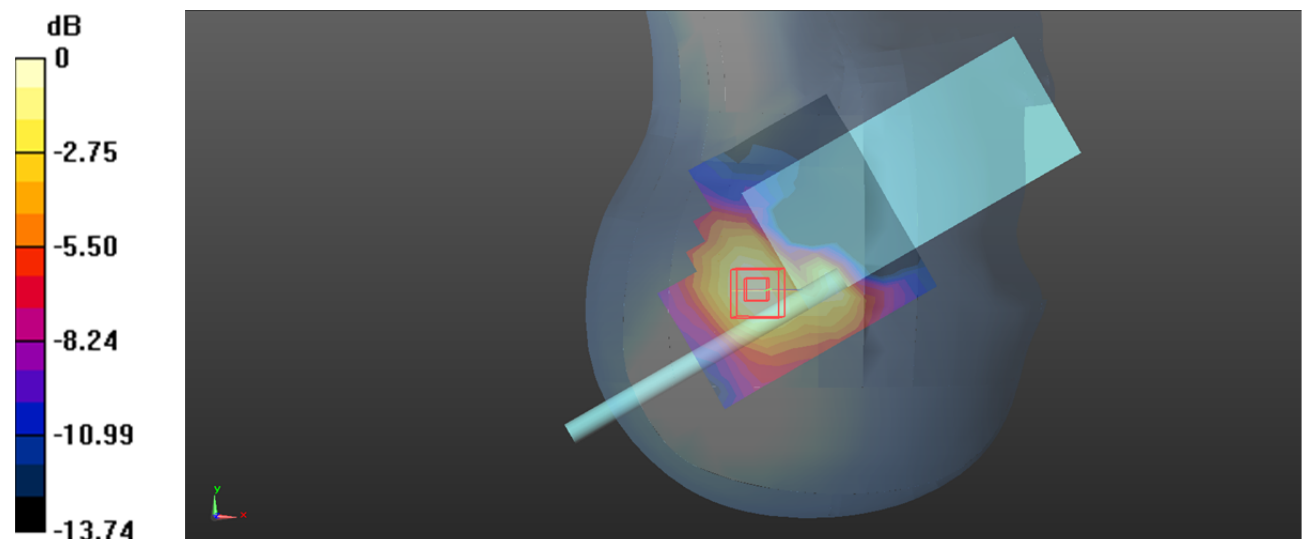
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.459 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.121 W/kg

**SAR(1 g) = 0.080 W/kg; SAR(10 g) = 0.048 W/kg**

Maximum value of SAR (measured) = 0.105 W/kg



0 dB = 0.105 W/kg = -9.79 dBW/kg

**Test Plot161#: 2.4G WIFI\_Head Right Tilt\_Middle****DUT: SMART MULTI-MODE RADIO; Type: IRC380; Serial: 2C06-1;**

Communication System: 802.11b (0); Frequency: 2437 MHz; Duty Cycle: 1:1.006

Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.805$  S/m;  $\epsilon_r = 39.193$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(7.42, 7.42, 7.42) @ 2437 MHz; Calibrated: 2023/5/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1470
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Area Scan (11x12x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.112 W/kg

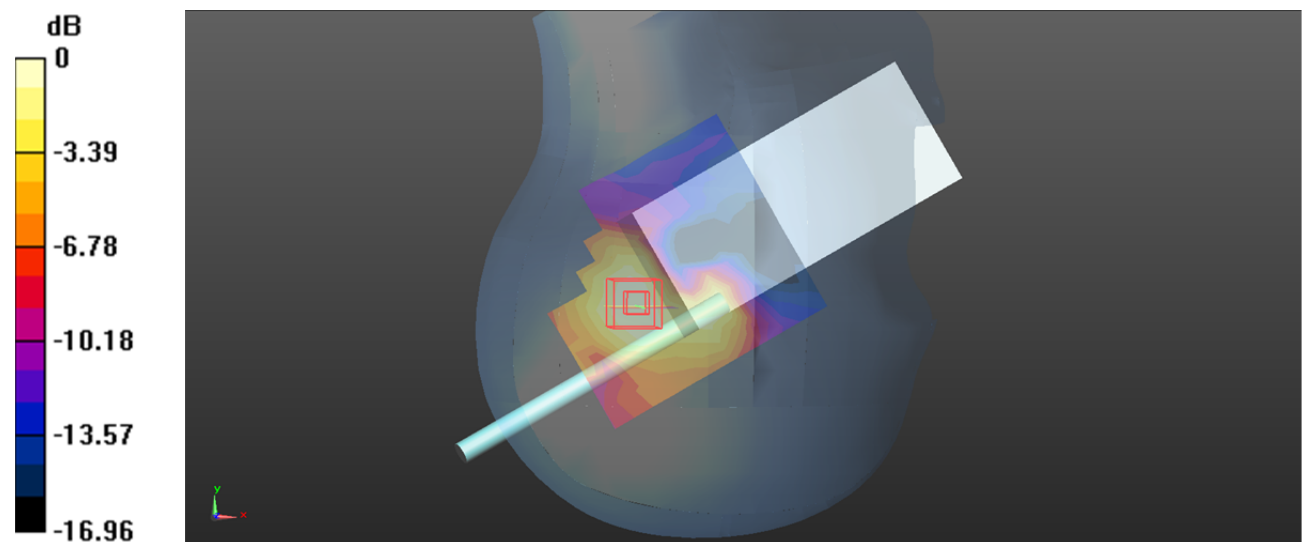
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.080 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.112 W/kg

**SAR(1 g) = 0.084 W/kg; SAR(10 g) = 0.053 W/kg**

Maximum value of SAR (measured) = 0.104 W/kg



0 dB = 0.104 W/kg = -9.83 dBW/kg

**Test Plot162#: 2.4G WIFI\_Body Front\_Middle****DUT: SMART MULTI-MODE RADIO; Type: IRC380; Serial: 2C06-1;**

Communication System: 802.11b (0); Frequency: 2437 MHz; Duty Cycle: 1:1.006

Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.805$  S/m;  $\epsilon_r = 39.193$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(7.42, 7.42, 7.42) @ 2437 MHz; Calibrated: 2023/5/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1470
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Area Scan (13x14x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.0459 W/kg

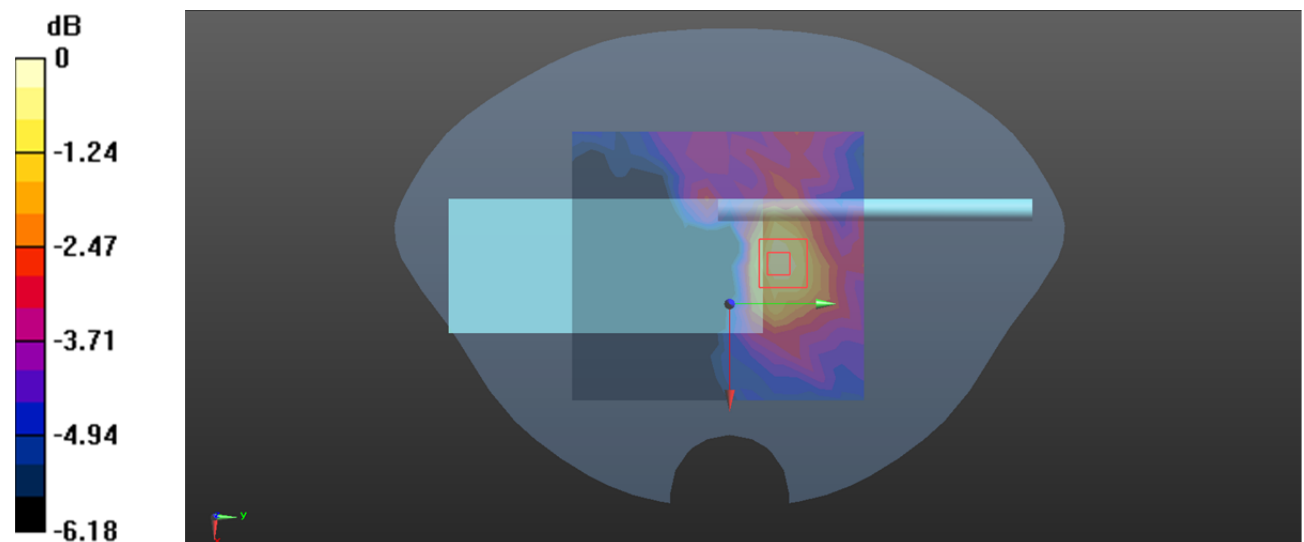
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.280 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.0580 W/kg

**SAR(1 g) = 0.038 W/kg; SAR(10 g) = 0.028 W/kg**

Maximum value of SAR (measured) = 0.0508 W/kg



0 dB = 0.0508 W/kg = -12.94 dBW/kg



**Test Plot163#: 2.4G WIFI\_Body Back\_Middle****DUT: SMART MULTI-MODE RADIO; Type: IRC380; Serial: 2C06-1;**

Communication System: 802.11b (0); Frequency: 2437 MHz; Duty Cycle: 1:1.006

Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.805$  S/m;  $\epsilon_r = 39.193$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(7.42, 7.42, 7.42) @ 2437 MHz; Calibrated: 2023/5/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1470
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Area Scan (11x13x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.187 W/kg

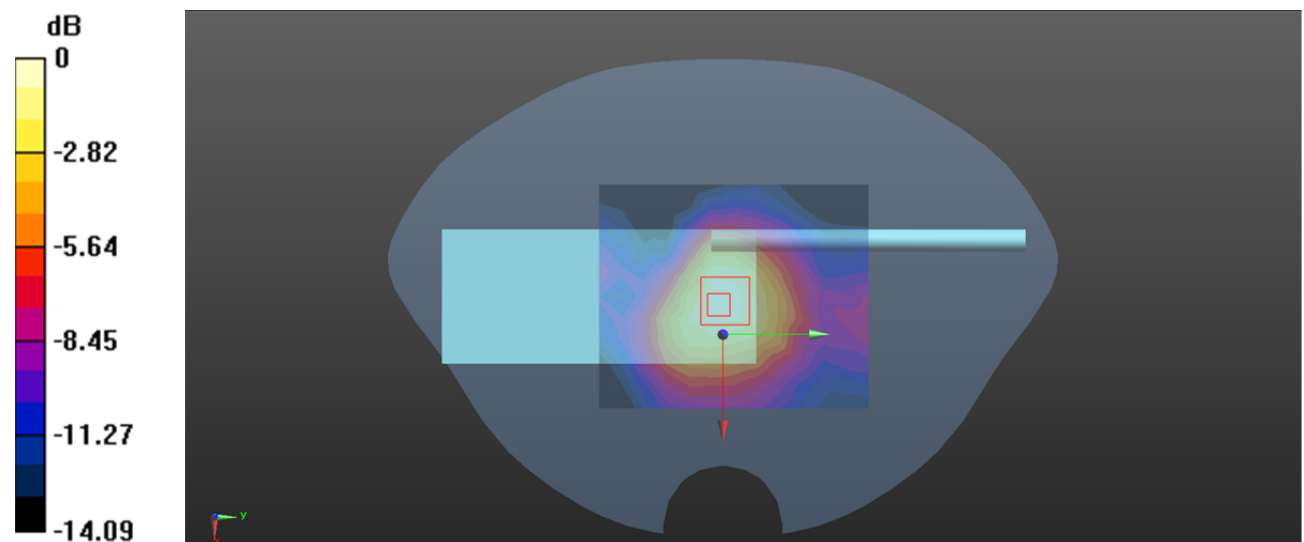
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.37 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.259 W/kg

**SAR(1 g) = 0.134 W/kg; SAR(10 g) = 0.081 W/kg**

Maximum value of SAR (measured) = 0.211 W/kg



0 dB = 0.211 W/kg = -6.76 dBW/kg

**Test Plot164#: 2.4G WIFI\_Body Left\_Middle****DUT: SMART MULTI-MODE RADIO; Type: IRC380; Serial: 2C06-1;**

Communication System: 802.11b (0); Frequency: 2437 MHz; Duty Cycle: 1:1.006

Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.805$  S/m;  $\epsilon_r = 39.193$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(7.42, 7.42, 7.42) @ 2437 MHz; Calibrated: 2023/5/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1470
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

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

Maximum value of SAR (measured) = 0.174 W/kg

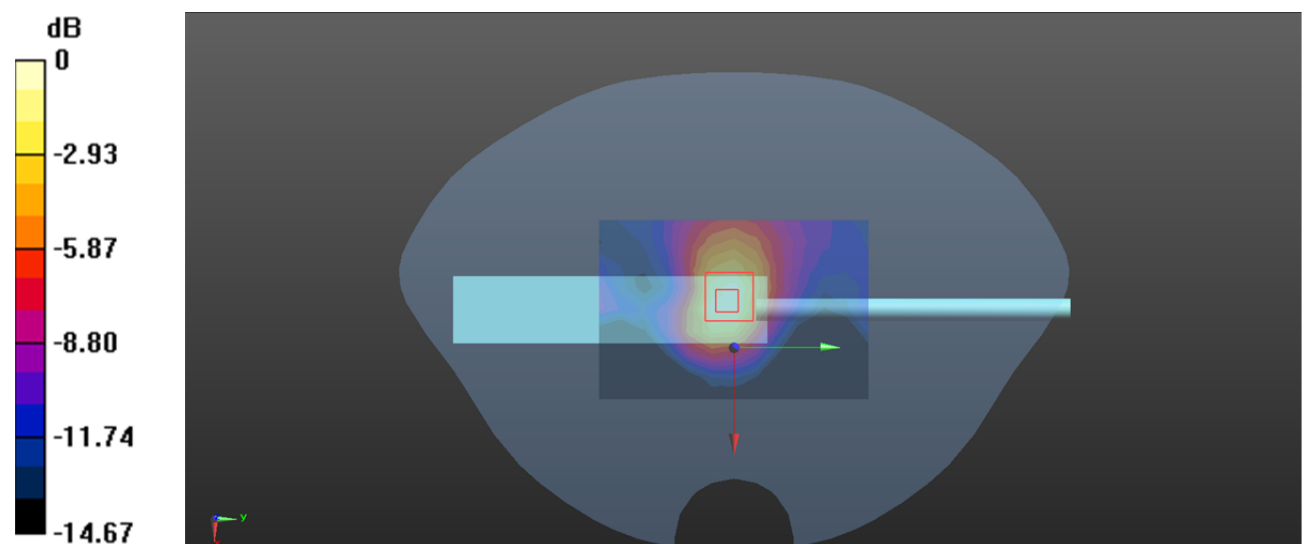
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.02 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.231 W/kg

**SAR(1 g) = 0.129 W/kg; SAR(10 g) = 0.067 W/kg**

Maximum value of SAR (measured) = 0.191 W/kg



**Test Plot165#: 2.4G WIFI\_Body Top\_Middle****DUT: SMART MULTI-MODE RADIO; Type: IRC380; Serial: 2C06-1;**

Communication System: 802.11b (0); Frequency: 2437 MHz; Duty Cycle: 1:1.006

Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.805$  S/m;  $\epsilon_r = 39.193$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(7.42, 7.42, 7.42) @ 2437 MHz; Calibrated: 2023/5/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1470
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Area Scan (9x12x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.0220 W/kg

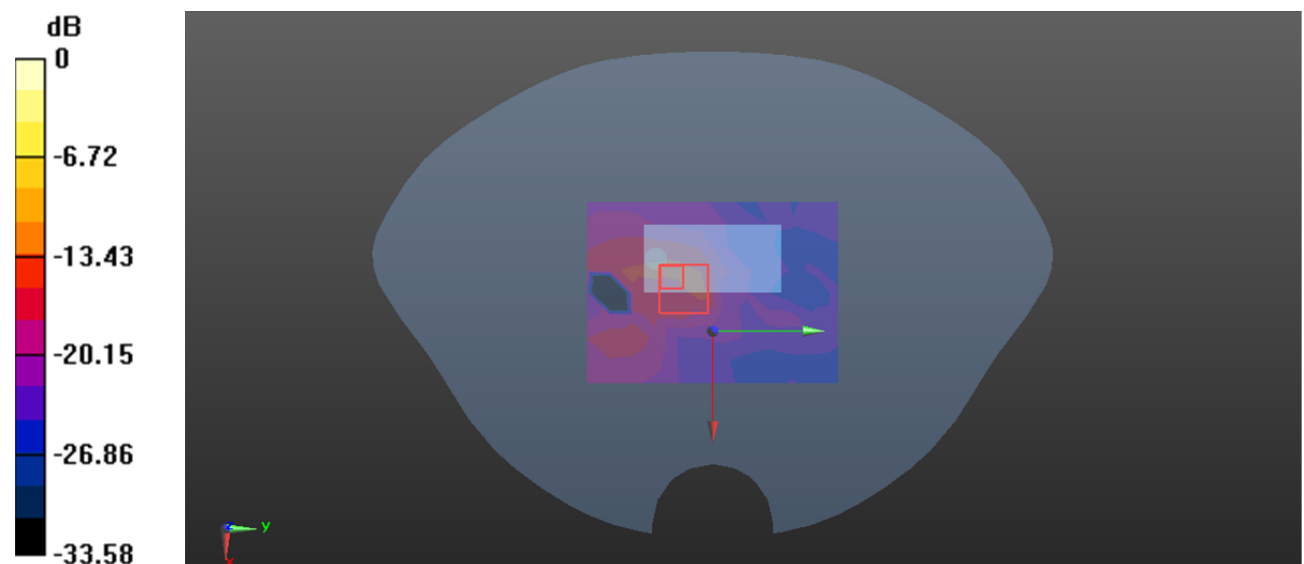
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.822 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.557 W/kg

**SAR(1 g) = 0.00699 W/kg; SAR(10 g) = 0.000998 W/kg**

Maximum value of SAR (measured) = 0.557 W/kg



0 dB = 0.557 W/kg = -2.54 dBW/kg

**Test Plot166#: 5.2G WIFI\_Head Left Cheek\_Middle****DUT: SMART MULTI-MODE RADIO; Type: IRC380; Serial: 2C06-1;**

Communication System: UID 0, 5.2G WiFi (0); Frequency: 5200 MHz;Duty Cycle: 1:1.036

Medium parameters used:  $f = 5200$  MHz;  $\sigma = 4.609$  S/m;  $\epsilon_r = 36.943$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(5.36, 5.36, 5.36) @ 5200 MHz; Calibrated: 2023/5/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1470
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Area Scan (11x11x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.285 W/kg

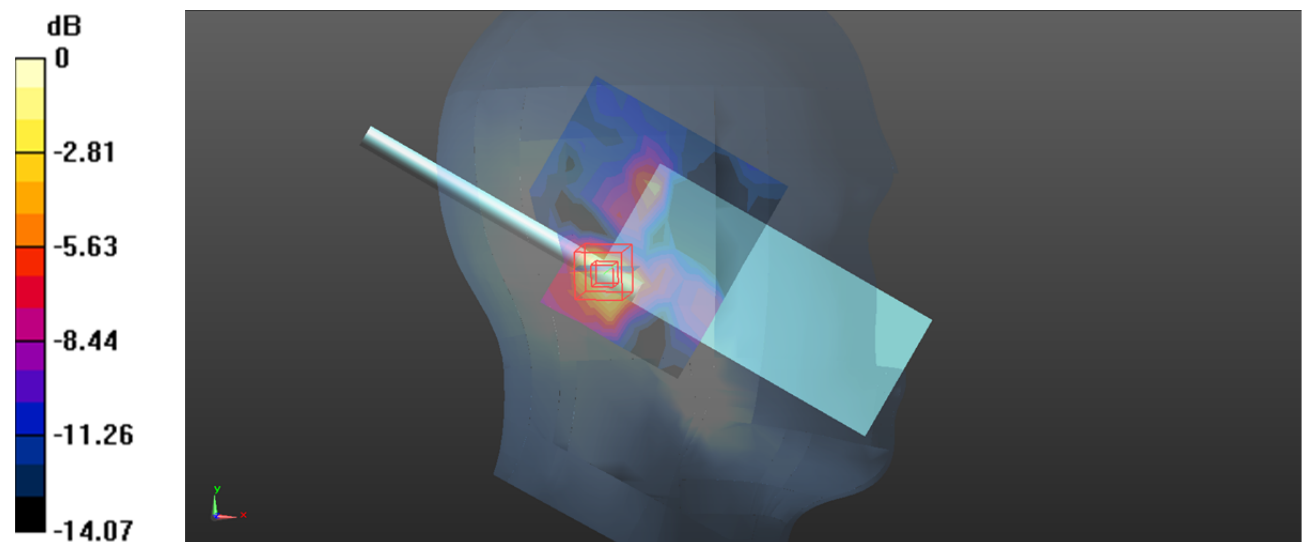
**Zoom Scan (8x8x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.260 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.384 W/kg

**SAR(1 g) = 0.157 W/kg; SAR(10 g) = 0.067 W/kg**

Maximum value of SAR (measured) = 0.302 W/kg



0 dB = 0.302 W/kg = -5.20 dBW/kg

**Test Plot167#: 5.2G WIFI\_Head Left Tilt\_Middle****DUT: SMART MULTI-MODE RADIO; Type: IRC380; Serial: 2C06-1;**

Communication System: UID 0, 5.2G WiFi (0); Frequency: 5200 MHz; Duty Cycle: 1:1.036

Medium parameters used:  $f = 5200$  MHz;  $\sigma = 4.609$  S/m;  $\epsilon_r = 36.943$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(5.36, 5.36, 5.36) @ 5200 MHz; Calibrated: 2023/5/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1470
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Area Scan (11x11x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.286 W/kg

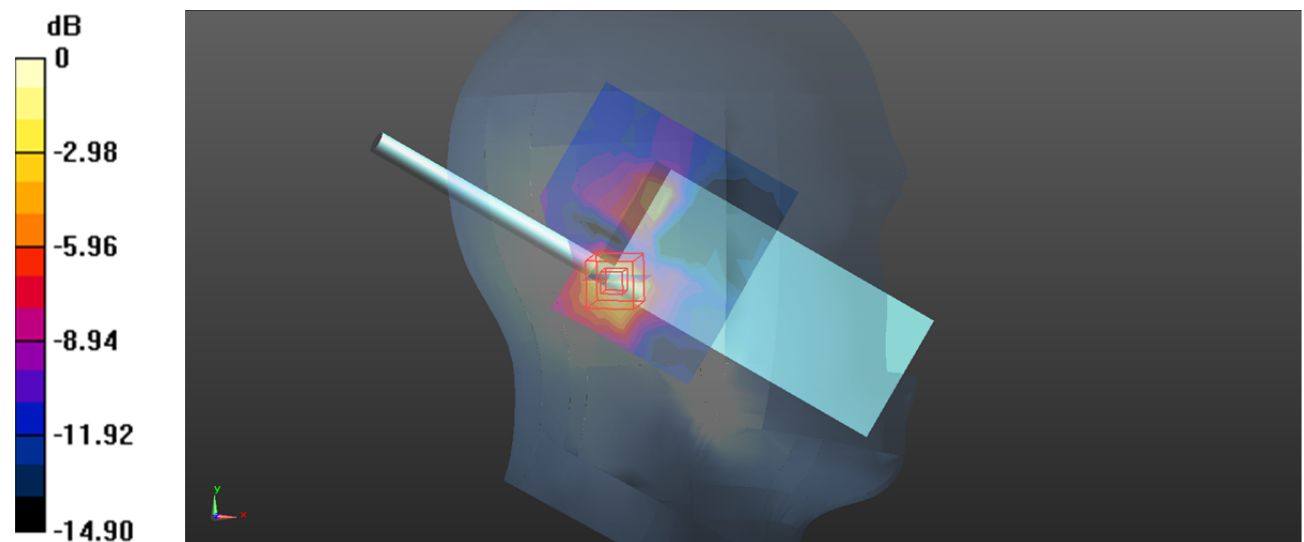
**Zoom Scan (8x8x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.967 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.547 W/kg

**SAR(1 g) = 0.150 W/kg; SAR(10 g) = 0.062 W/kg**

Maximum value of SAR (measured) = 0.285 W/kg



0 dB = 0.285 W/kg = -5.45 dBW/kg

**Test Plot168#: 5.2G WIFI\_Head Left Tilt\_Middle****DUT: SMART MULTI-MODE RADIO; Type: IRC380; Serial: 2C06-1;**

Communication System: UID 0, 5.2G WiFi (0); Frequency: 5200 MHz; Duty Cycle: 1:1.036

Medium parameters used:  $f = 5200$  MHz;  $\sigma = 4.609$  S/m;  $\epsilon_r = 36.943$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(5.36, 5.36, 5.36) @ 5200 MHz; Calibrated: 2023/5/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1470
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Area Scan (11x11x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.391 W/kg

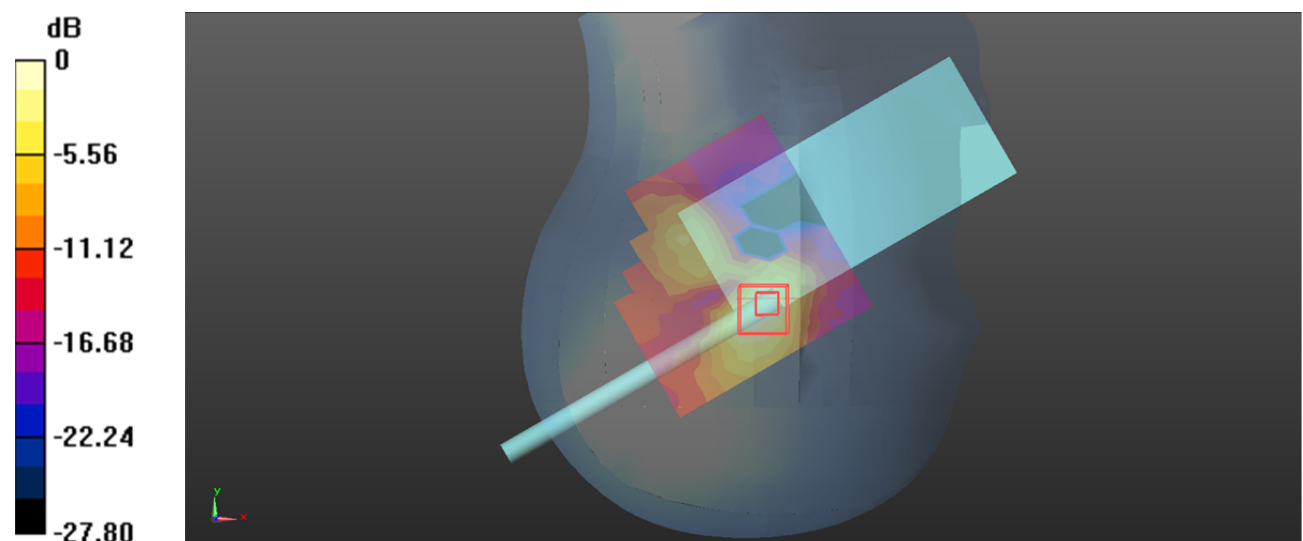
**Zoom Scan (8x8x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 4.732 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.610 W/kg

**SAR(1 g) = 0.196 W/kg; SAR(10 g) = 0.076 W/kg**

Maximum value of SAR (measured) = 0.434 W/kg



0 dB = 0.434 W/kg = -3.63 dBW/kg