

**Test Plot 1#: GSM 850\_Head Flat\_Middle****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: Generic GSM; Frequency: 836.6 MHz; Duty Cycle: 1:8

Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.896$  S/m;  $\epsilon_r = 40.878$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(10.01, 10.01, 10.01) @836.6 MHz; 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: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (121x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.107 W/kg

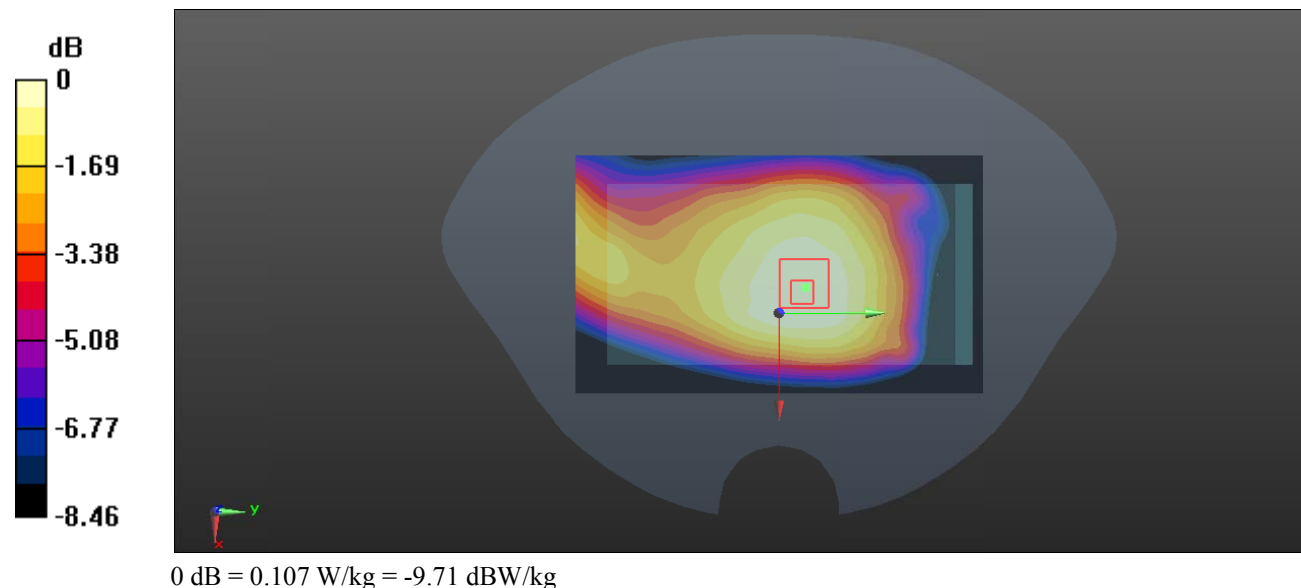
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.07 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.118 W/kg

**SAR(1 g) = 0.088 W/kg; SAR(10 g) = 0.068 W/kg**

Maximum value of SAR (measured) = 0.107 W/kg



**Test Plot 2#: GSM 850\_Body Worn Back\_Middle****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: Generic GSM; Frequency: 836.6 MHz; Duty Cycle: 1:8

Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.975$  S/m;  $\epsilon_r = 55.222$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;

Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(10.23, 10.23, 10.23) @836.6 MHz; 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: Serial: 1130
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (121x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.0632 W/kg

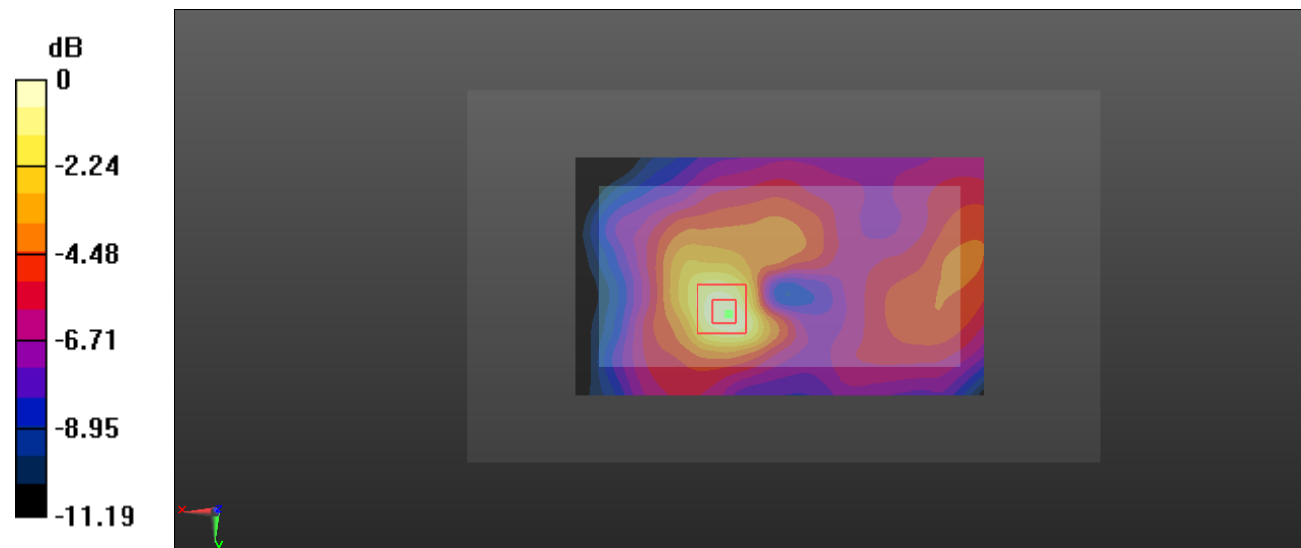
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.082 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.0670 W/kg

**SAR(1 g) = 0.044 W/kg; SAR(10 g) = 0.029 W/kg**

Maximum value of SAR (measured) = 0.0586 W/kg



0 dB = 0.0586 W/kg = -12.32 dBW/kg

**Test Plot 3#: GSM 850\_Body Back\_Middle****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: Generic GPRS-4 slots; Frequency: 836.6 MHz; Duty Cycle: 1:2

Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.975$  S/m;  $\epsilon_r = 55.222$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;

Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(10.23, 10.23, 10.23) @836.6 MHz; 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: Serial: 1130
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (121x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.204 W/kg

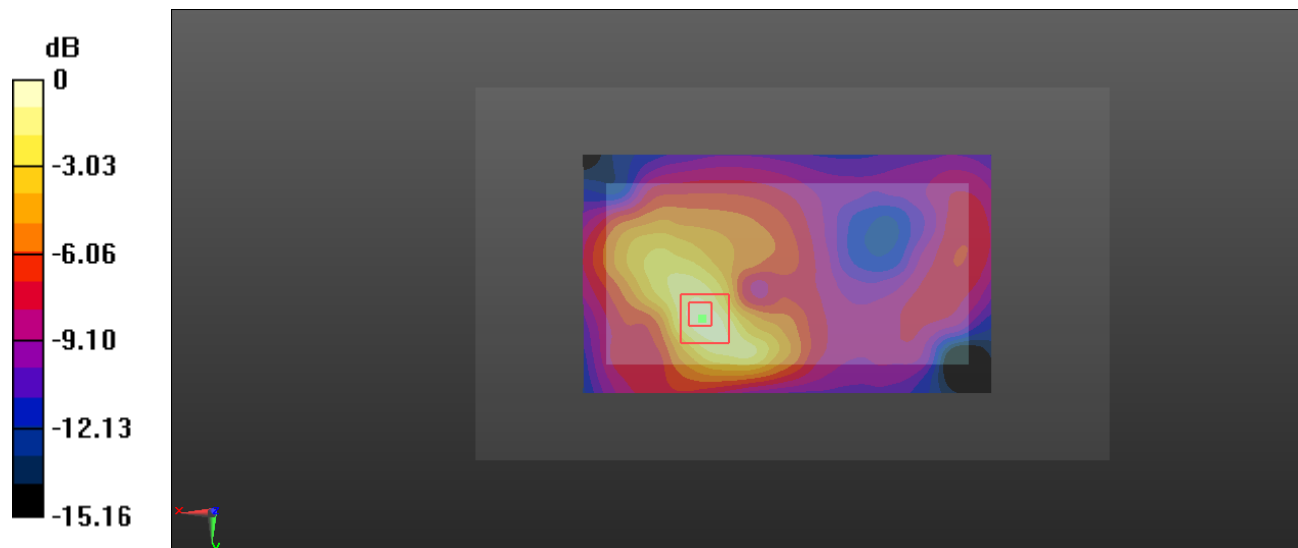
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.864 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.253 W/kg

**SAR(1 g) = 0.166 W/kg; SAR(10 g) = 0.105 W/kg**

Maximum value of SAR (measured) = 0.218 W/kg



0 dB = 0.218 W/kg = -6.62 dBW/kg

**Test Plot 4#: GSM 850\_Body Left\_Middle****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: Generic GPRS-4 slots; Frequency: 836.6 MHz; Duty Cycle: 1:2

Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.975$  S/m;  $\epsilon_r = 55.222$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;

Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(10.23, 10.23, 10.23) @836.6 MHz; 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: Serial: 1130
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (121x51x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.328 W/kg

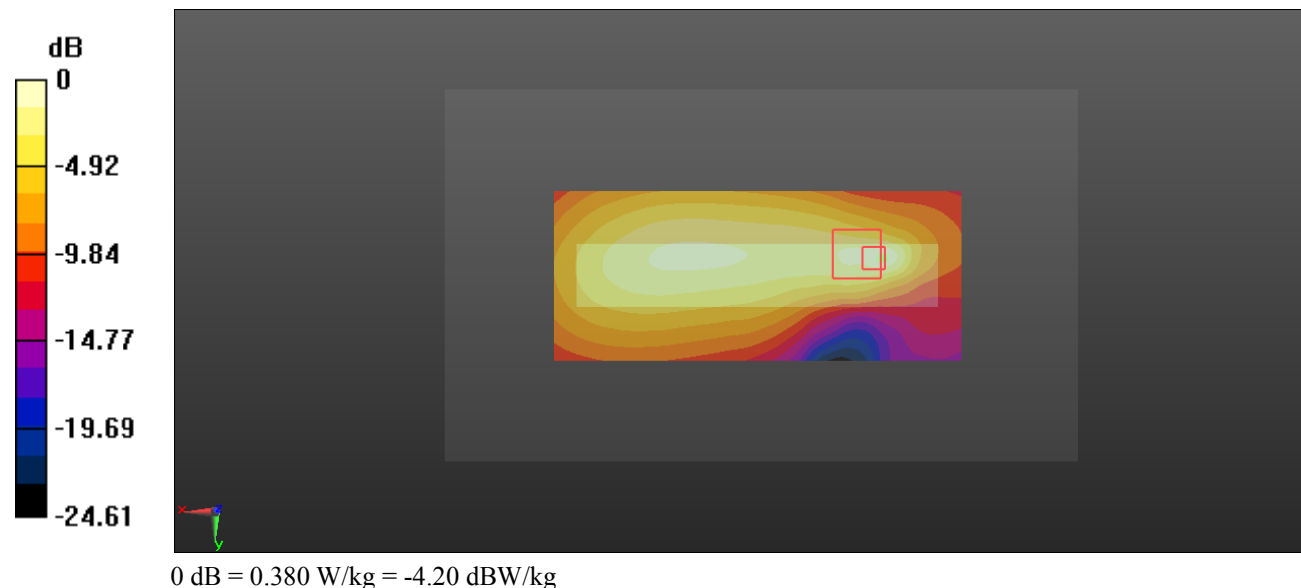
**Zoom Scan (6x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.98 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.589 W/kg

**SAR(1 g) = 0.216 W/kg; SAR(10 g) = 0.116 W/kg**

Maximum value of SAR (measured) = 0.380 W/kg



**Test Plot 5#: GSM 850\_Body Bottom\_Middle****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: Generic GPRS-4 slots; Frequency: 836.6 MHz; Duty Cycle: 1:2

Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.975$  S/m;  $\epsilon_r = 55.222$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;

Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(10.23, 10.23, 10.23) @836.6 MHz; 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: Serial: 1130
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (51x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.973 W/kg

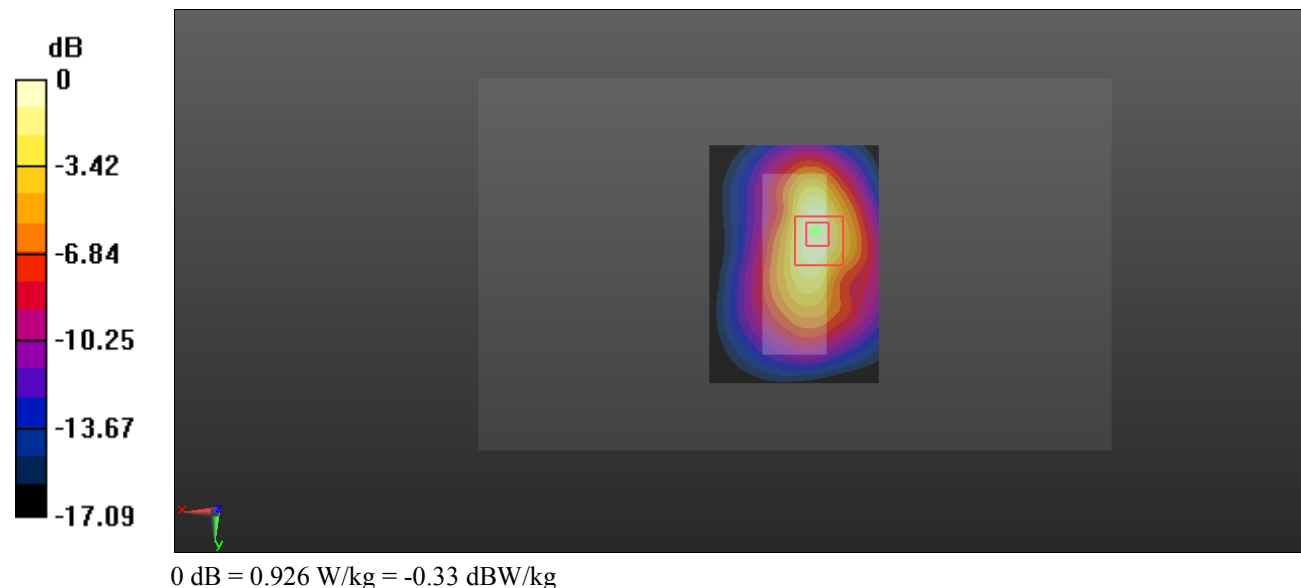
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.989 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 2.47 W/kg

**SAR(1 g) = 0.600 W/kg; SAR(10 g) = 0.342 W/kg**

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



**Test Plot 6#: PCS 1900\_Head Flat\_Middle****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: Generic GSM; Frequency: 1880 MHz; Duty Cycle: 1:8  
 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.397$  S/m;  $\epsilon_r = 38.953$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(8.1, 8.1, 8.1) @1880 MHz; 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: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (131x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.216 W/kg

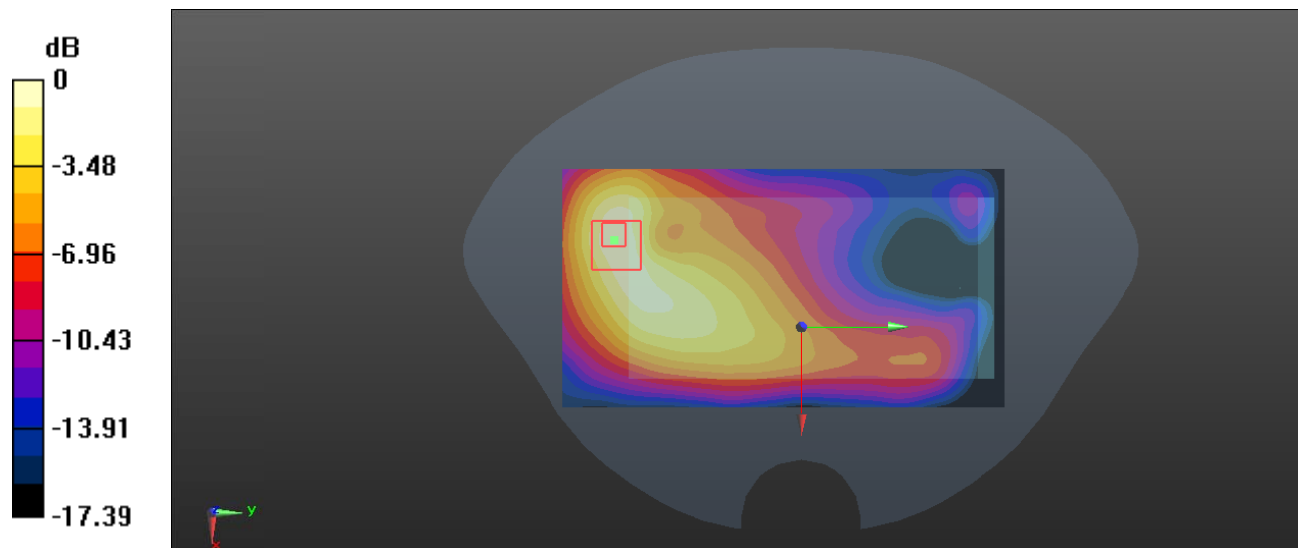
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.471 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.280 W/kg

**SAR(1 g) = 0.163 W/kg; SAR(10 g) = 0.093 W/kg**

Maximum value of SAR (measured) = 0.237 W/kg



0 dB = 0.237 W/kg = -6.25 dBW/kg

**Test Plot 7#: PCS 1900\_Body Worn Back\_Middle****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: Generic GSM; Frequency: 1880 MHz; Duty Cycle: 1:8

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.512$  S/m;  $\epsilon_r = 52.625$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;

Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(7.7, 7.7, 7.7) @1880 MHz; 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: Serial: 1130
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (121x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.0396 W/kg

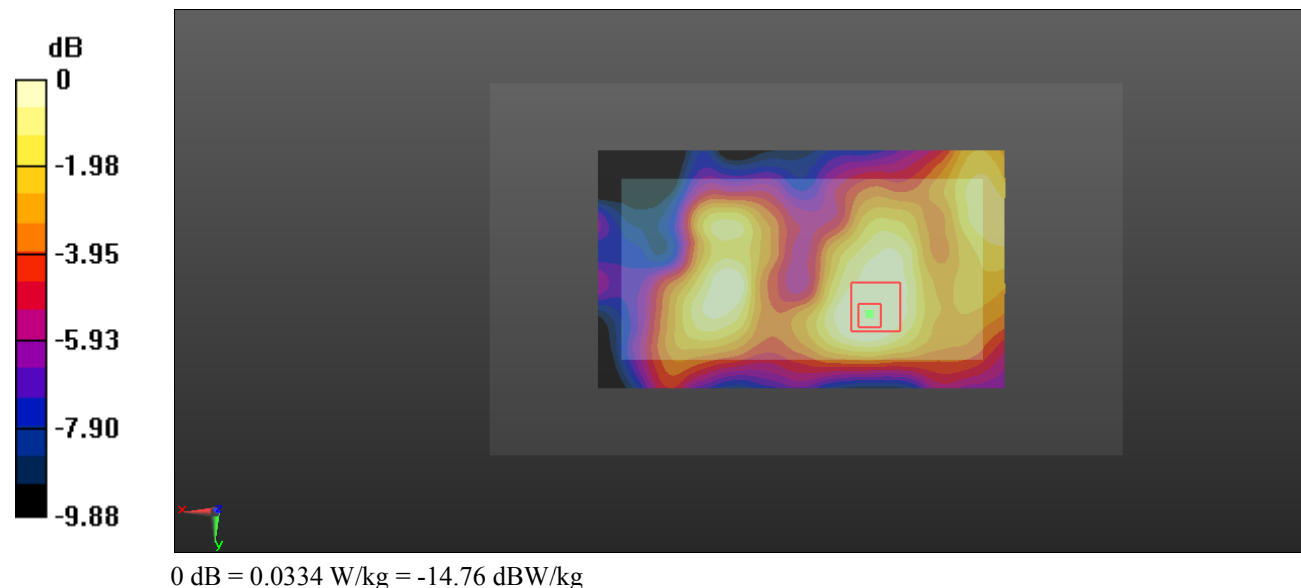
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.423 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.0390 W/kg

**SAR(1 g) = 0.025 W/kg; SAR(10 g) = 0.017 W/kg**

Maximum value of SAR (measured) = 0.0334 W/kg



**Test Plot 8#: PCS 1900\_Body Back\_Middle****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: Generic GPRS-4 slots; Frequency: 1880 MHz; Duty Cycle: 1:2

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.512$  S/m;  $\epsilon_r = 52.625$ ;  $\rho = 1000$  kg/m<sup>3</sup>;

Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(7.7, 7.7, 7.7) @1880 MHz; 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: Serial: 1130
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (121x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.107 W/kg

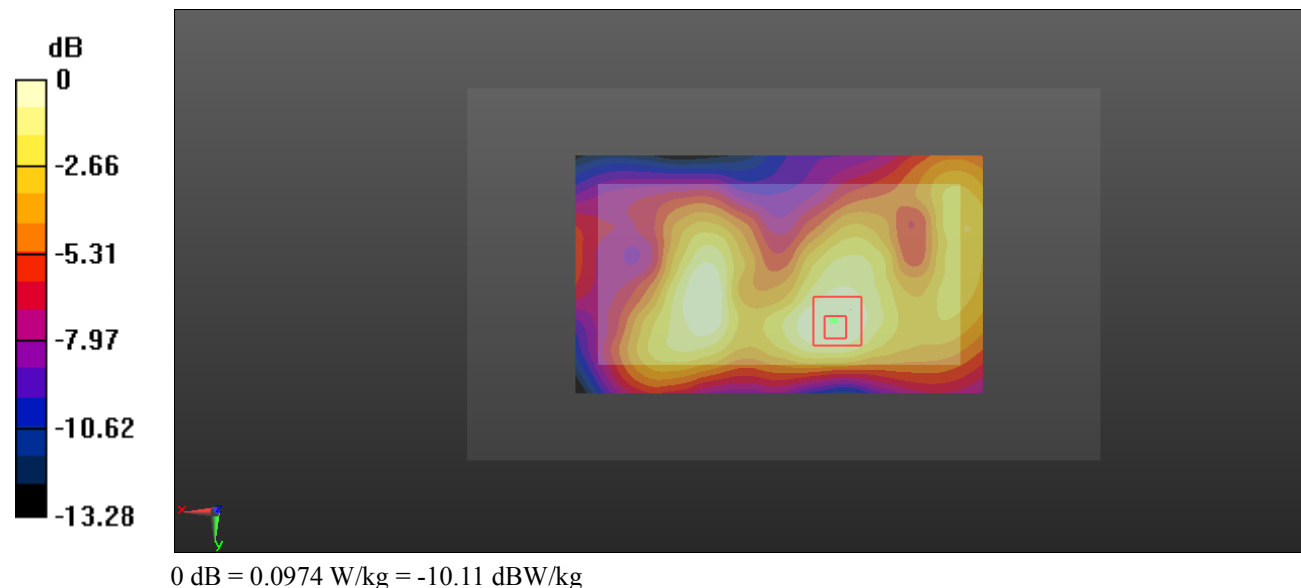
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.073 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.116 W/kg

**SAR(1 g) = 0.072 W/kg; SAR(10 g) = 0.045 W/kg**

Maximum value of SAR (measured) = 0.0974 W/kg



**Test Plot 9#: PCS 1900\_Body Left\_Middle****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: Generic GPRS-4 slots; Frequency: 1880 MHz; Duty Cycle: 1:2

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.512$  S/m;  $\epsilon_r = 52.625$ ;  $\rho = 1000$  kg/m<sup>3</sup>;

Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(7.7, 7.7, 7.7) @1880 MHz; 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: Serial: 1130
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (121x51x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

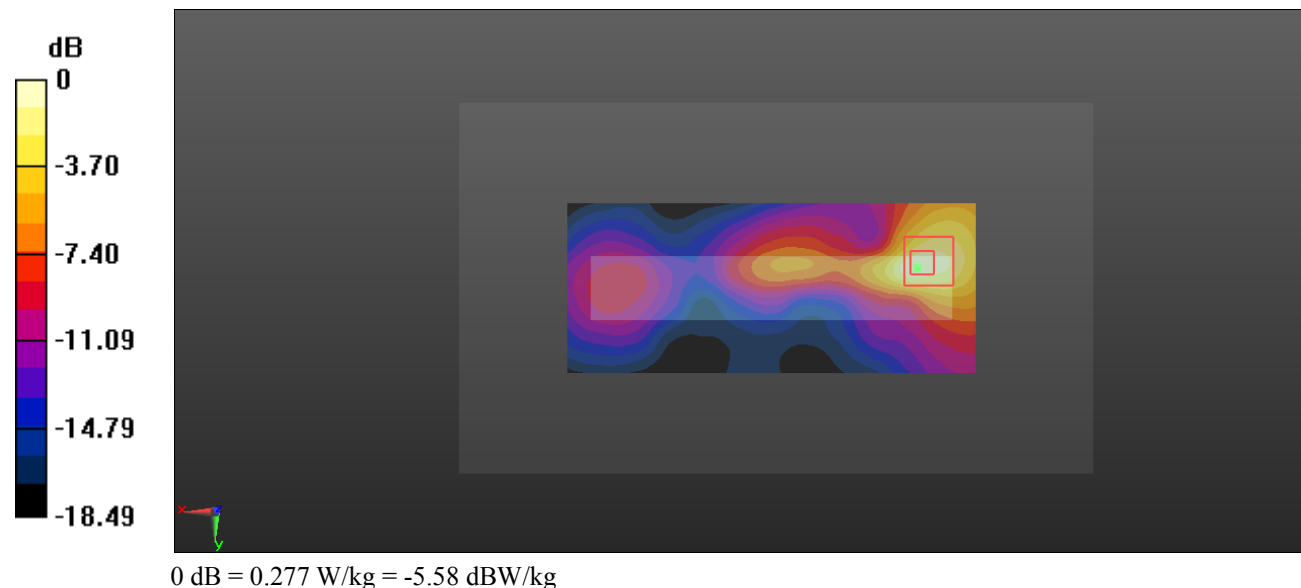
**Zoom Scan (6x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.271 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.344 W/kg

**SAR(1 g) = 0.184 W/kg; SAR(10 g) = 0.098 W/kg**

Maximum value of SAR (measured) = 0.277 W/kg



**Test Plot 10#: PCS 1900\_Body Bottom\_Low****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: Generic GPRS-4 slots; Frequency: 1850.2 MHz; Duty Cycle: 1:2

Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.487$  S/m;  $\epsilon_r = 53.135$ ;  $\rho = 1000$  kg/m<sup>3</sup>;

Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(7.7, 7.7, 7.7) @1850.2 MHz; 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: Serial: 1130
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (51x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.89 W/kg

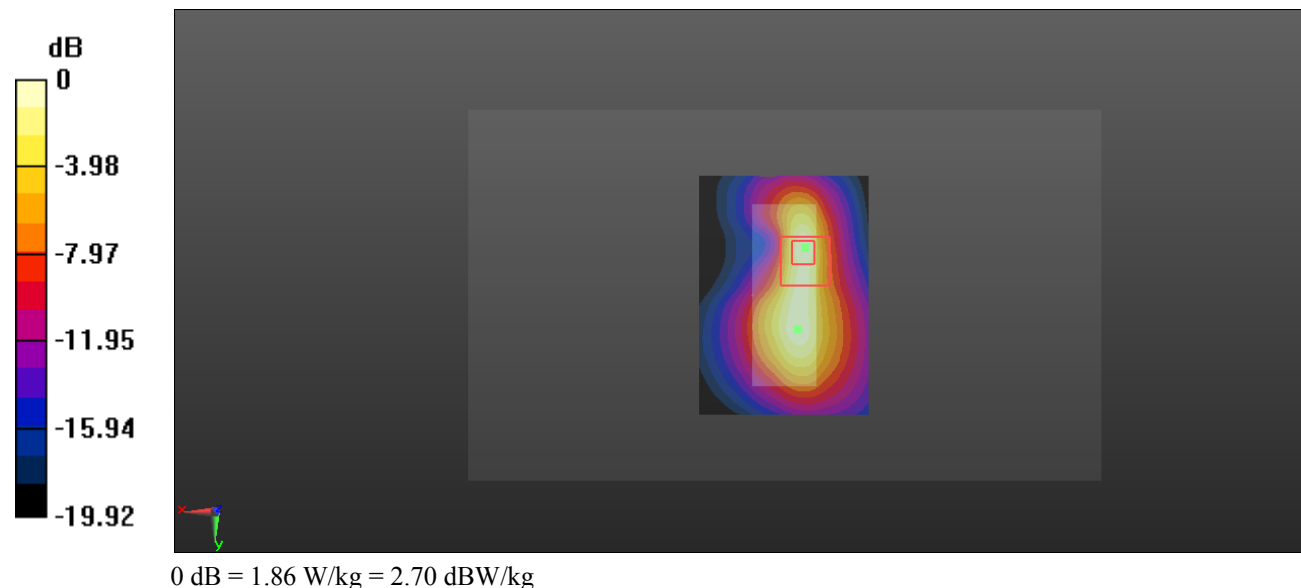
**Zoom Scan (5x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.68 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 2.31 W/kg

**SAR(1 g) = 1.15 W/kg; SAR(10 g) = 0.538 W/kg**

Maximum value of SAR (measured) = 1.86 W/kg



**Test Plot 11#: PCS 1900\_Body Bottom\_Middle****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: Generic GPRS-4 slots; Frequency: 1880 MHz; Duty Cycle: 1:2

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.512$  S/m;  $\epsilon_r = 52.625$ ;  $\rho = 1000$  kg/m<sup>3</sup>;

Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(7.7, 7.7, 7.7) @1880 MHz; 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: Serial: 1130
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (51x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.83 W/kg

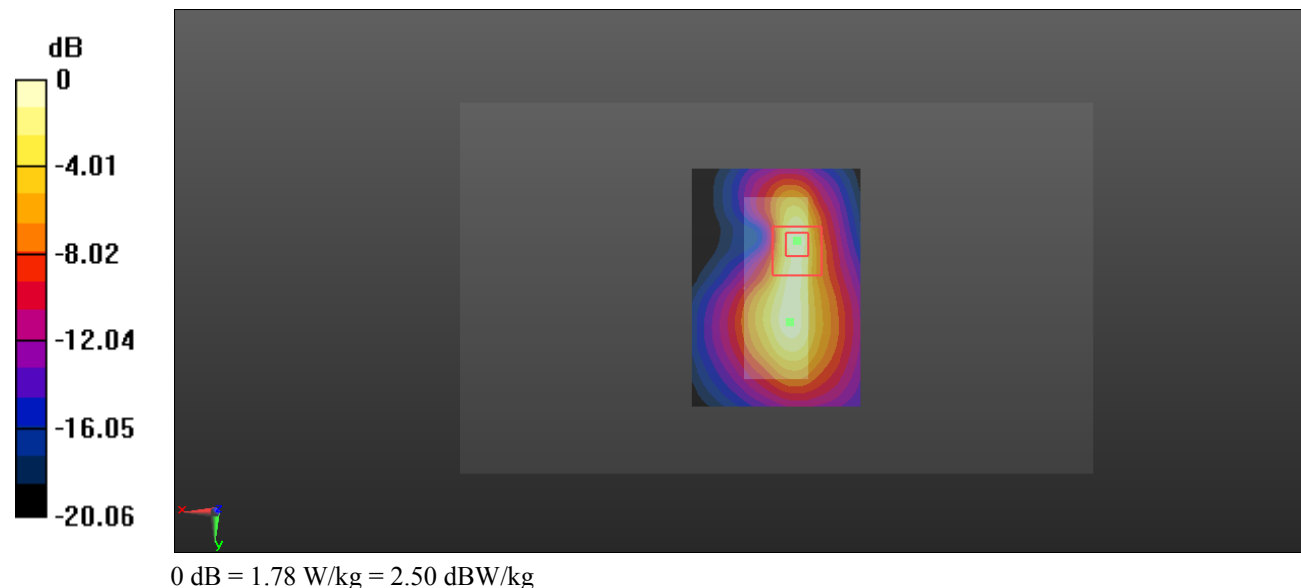
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.96 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 2.17 W/kg

**SAR(1 g) = 1.08 W/kg; SAR(10 g) = 0.504 W/kg**

Maximum value of SAR (measured) = 1.78 W/kg



**Test Plot 12#: PCS 1900\_Body Bottom\_High****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: Generic GPRS-4 slots; Frequency: 1909.8 MHz; Duty Cycle: 1:2

Medium parameters used:  $f = 1909.8$  MHz;  $\sigma = 1.541$  S/m;  $\epsilon_r = 52.685$ ;  $\rho = 1000$  kg/m<sup>3</sup>;

Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(7.7, 7.7, 7.7) @1909.8 MHz; 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: Serial: 1130
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (51x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.60 W/kg

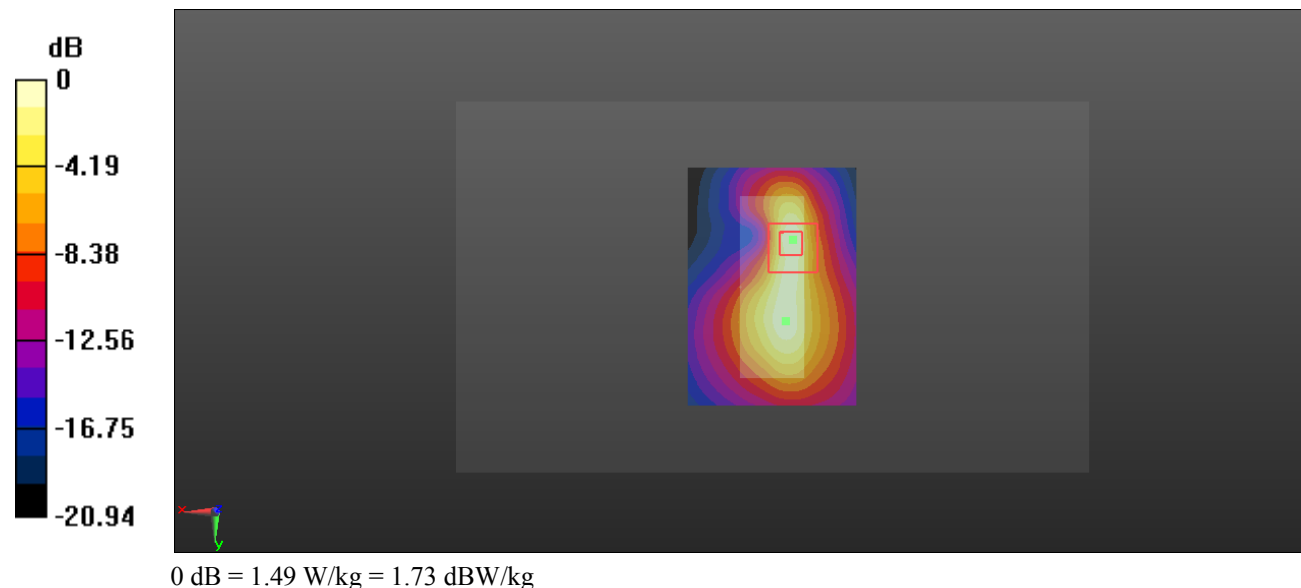
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.45 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.82 W/kg

**SAR(1 g) = 0.920 W/kg; SAR(10 g) = 0.428 W/kg**

Maximum value of SAR (measured) = 1.49 W/kg



**Test Plot 13#: WCDMA Band 2\_Head Flat\_Middle****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: Generic WCDMA; Frequency: 1880 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.397$  S/m;  $\epsilon_r = 38.953$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(8.1, 8.1, 8.1) @1880 MHz; 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: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (131x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.442 W/kg

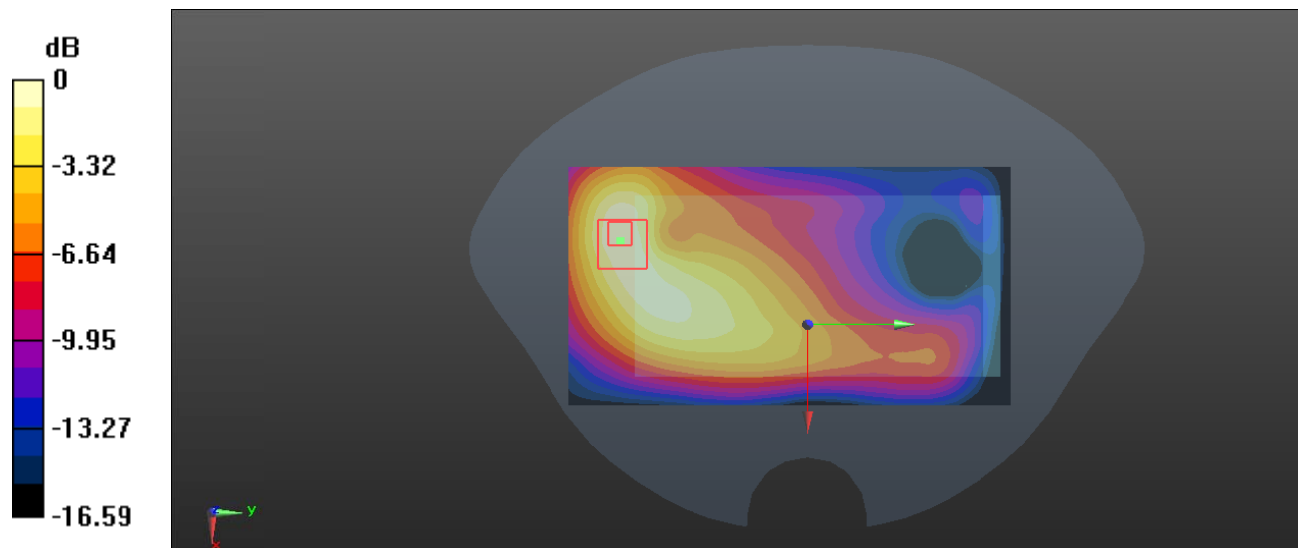
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.079 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.554 W/kg

**SAR(1 g) = 0.326 W/kg; SAR(10 g) = 0.190 W/kg**

Maximum value of SAR (measured) = 0.468 W/kg



0 dB = 0.468 W/kg = -3.30 dBW/kg

**Test Plot 14#: WCDMA Band 2\_Body Back\_Middle****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: Generic WCDMA; Frequency: 1880 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.512$  S/m;  $\epsilon_r = 52.625$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
 Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(7.7, 7.7, 7.7) @1880 MHz; 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: Serial: 1130
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (121x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.251 W/kg

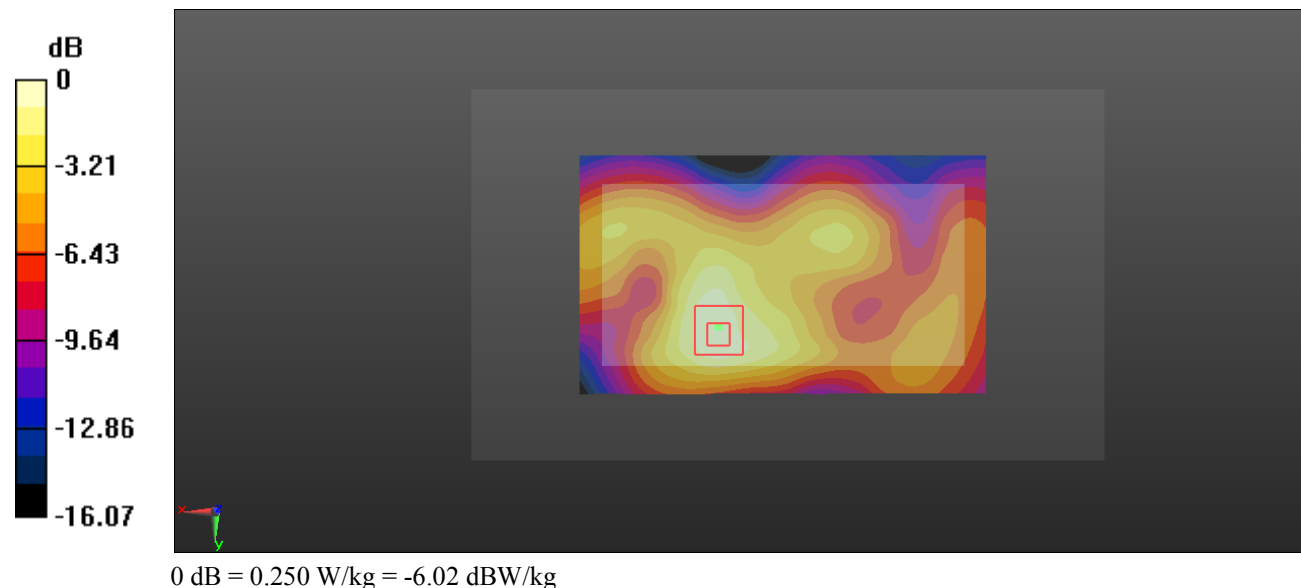
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.636 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.305 W/kg

**SAR(1 g) = 0.175 W/kg; SAR(10 g) = 0.103 W/kg**

Maximum value of SAR (measured) = 0.250 W/kg



**Test Plot 15#: WCDMA Band 2\_Body Left\_Middle****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: Generic WCDMA; Frequency: 1880 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.512$  S/m;  $\epsilon_r = 52.625$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
 Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(7.7, 7.7, 7.7) @1880 MHz; 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: Serial: 1130
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (121x51x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

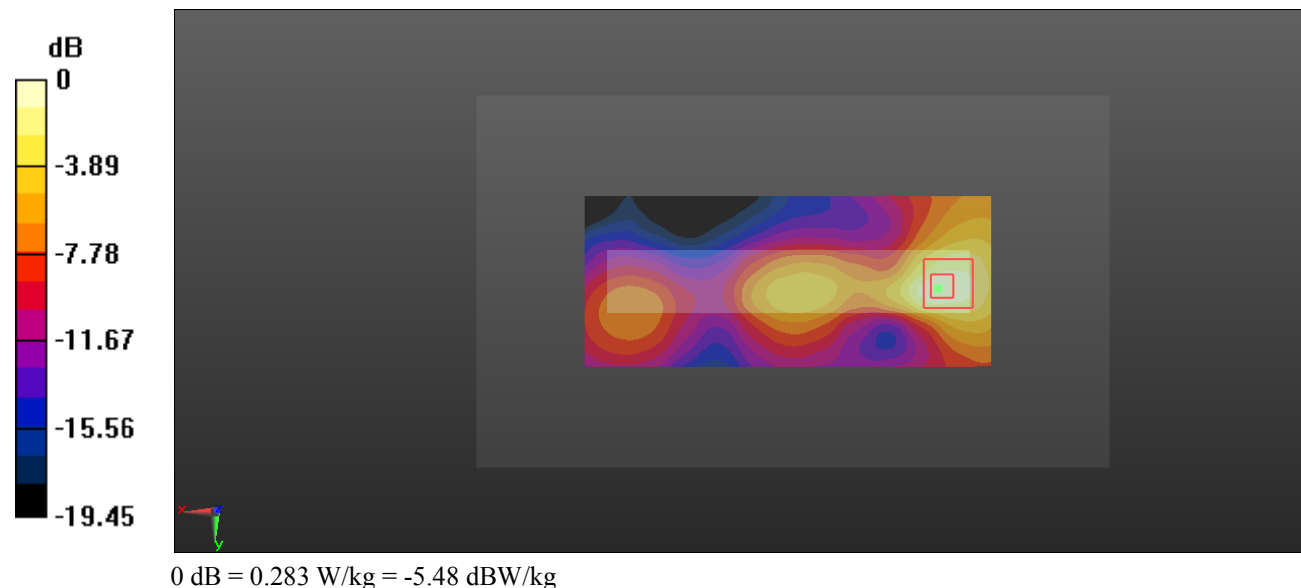
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.705 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.341 W/kg

**SAR(1 g) = 0.182 W/kg; SAR(10 g) = 0.099 W/kg**

Maximum value of SAR (measured) = 0.283 W/kg



**Test Plot 16#: WCDMA Band 2\_Body Bottom\_Low****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: Generic WCDMA; Frequency: 1852.4 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 1852.4$  MHz;  $\sigma = 1.496$  S/m;  $\epsilon_r = 53.144$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
 Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(7.7, 7.7, 7.7) @1852.4 MHz; 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: Serial: 1130
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (51x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.23 W/kg

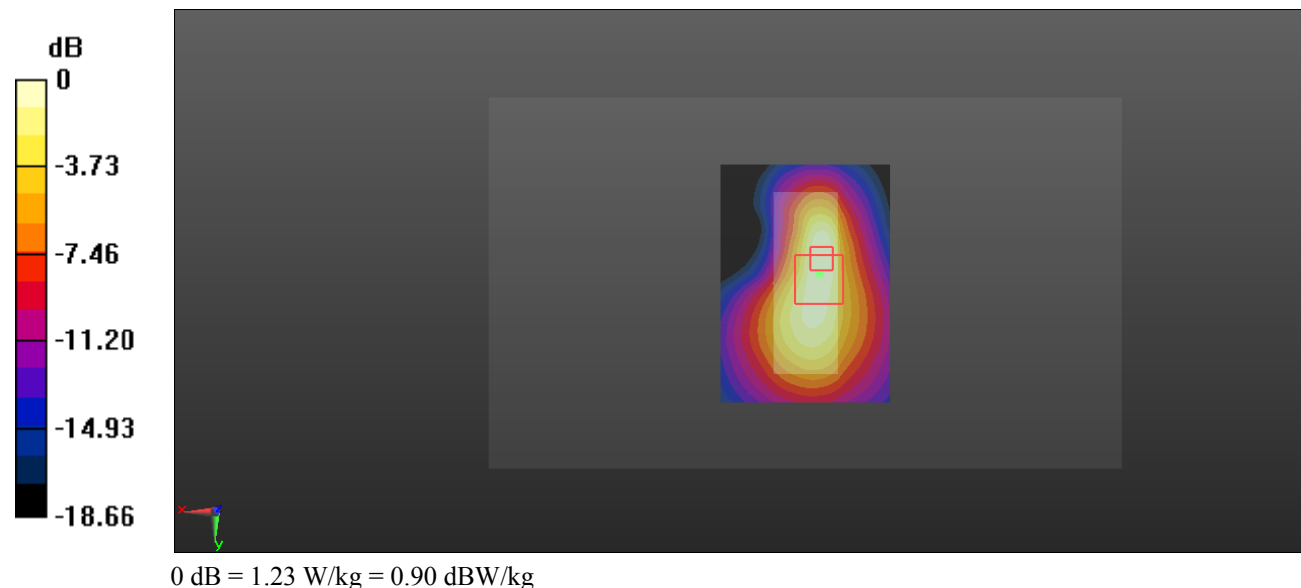
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.62 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 1.49 W/kg

**SAR(1 g) = 0.775 W/kg; SAR(10 g) = 0.404 W/kg**

Maximum value of SAR (measured) = 1.23 W/kg



**Test Plot 17#: WCDMA Band 2\_Body Bottom\_Middle****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: Generic WCDMA; Frequency: 1880 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.512$  S/m;  $\epsilon_r = 52.625$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
 Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(7.7, 7.7, 7.7) @1880 MHz; 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: Serial: 1130
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (51x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.51 W/kg

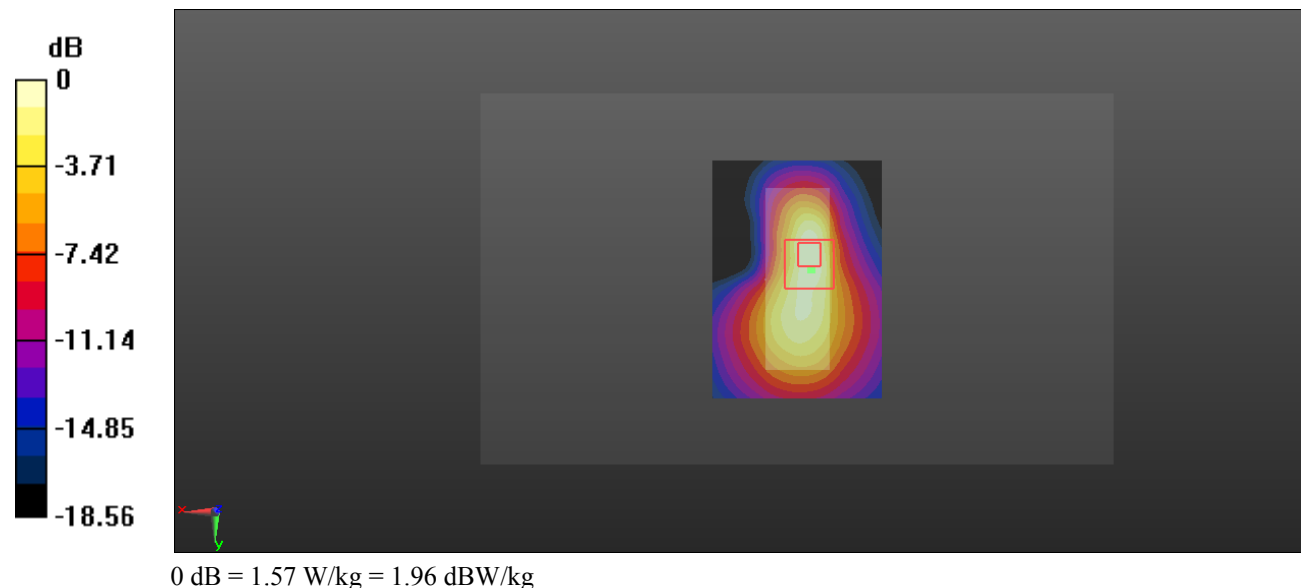
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.44 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.95 W/kg

**SAR(1 g) = 0.977 W/kg; SAR(10 g) = 0.483 W/kg**

Maximum value of SAR (measured) = 1.57 W/kg



**Test Plot 18#: WCDMA Band 2\_Body Bottom\_High****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: Generic WCDMA; Frequency: 1907.6 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 1907.6$  MHz;  $\sigma = 1.544$  S/m;  $\epsilon_r = 52.658$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
 Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(7.7, 7.7, 7.7) @1907.6 MHz; 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: Serial: 1130
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (51x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

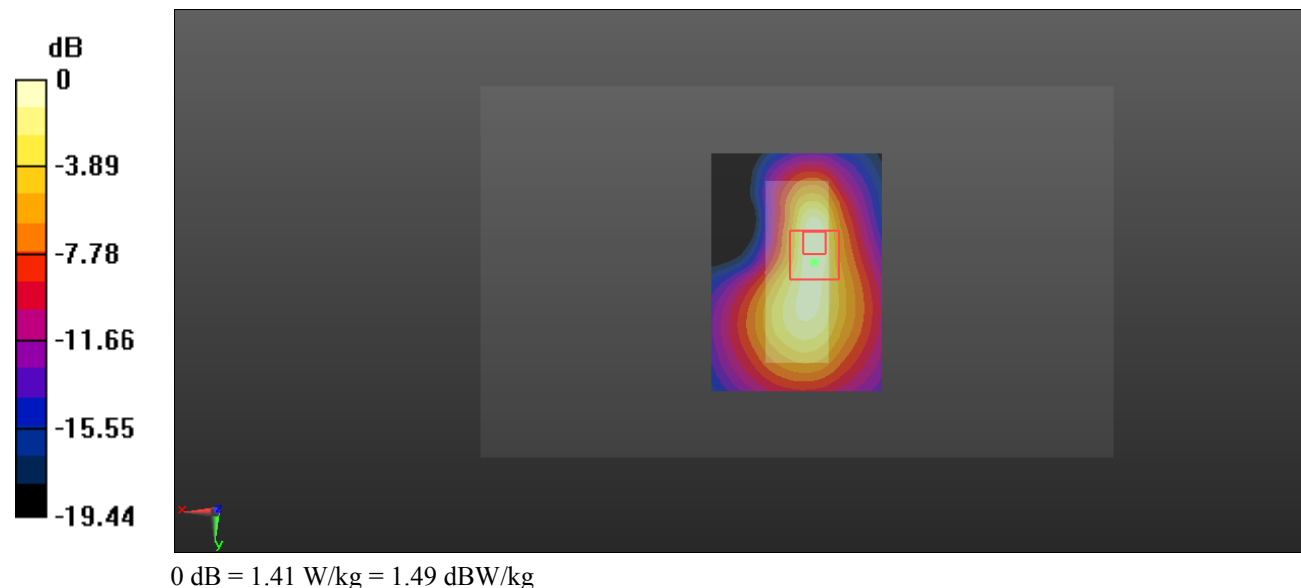
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.44 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 1.71 W/kg

**SAR(1 g) = 0.865 W/kg; SAR(10 g) = 0.433 W/kg**

Maximum value of SAR (measured) = 1.41 W/kg



**Test Plot 19#: WCDMA Band 5\_Head Flat\_Middle****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

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

Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.896$  S/m;  $\epsilon_r = 40.878$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(10.01, 10.01, 10.01) @836.6 MHz; 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: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (121x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.0910 W/kg

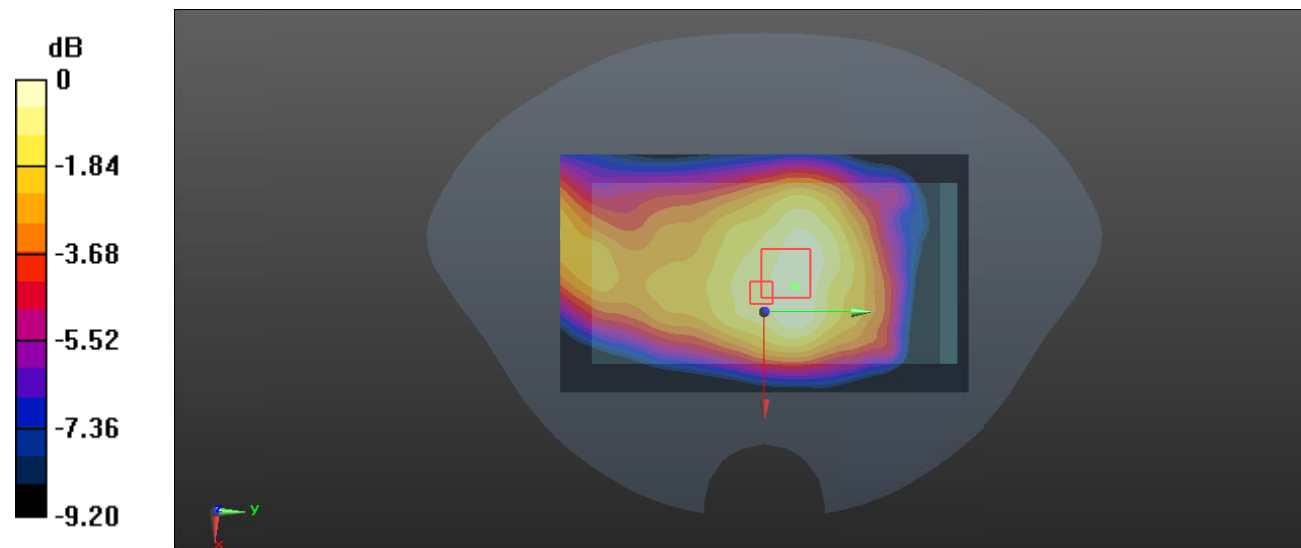
**Zoom Scan (6x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.41 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.100 W/kg

**SAR(1 g) = 0.072 W/kg; SAR(10 g) = 0.054 W/kg**

Maximum value of SAR (measured) = 0.0906 W/kg



0 dB = 0.0906 W/kg = -10.43 dBW/kg

**Test Plot 20#: WCDMA Band 5\_Body Back\_Middle****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

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

Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.975$  S/m;  $\epsilon_r = 55.222$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;

Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(10.23, 10.23, 10.23) @836.6 MHz; 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: Serial: 1130
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (121x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.0412 W/kg

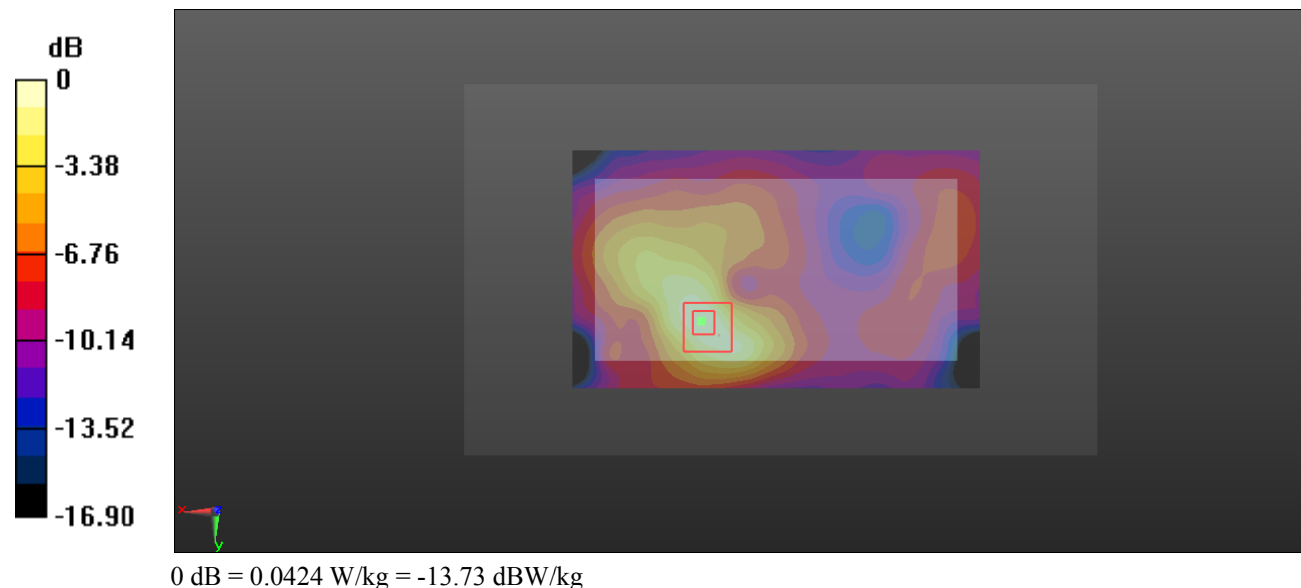
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.591 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.0490 W/kg

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

Maximum value of SAR (measured) = 0.0424 W/kg



**Test Plot 21#: WCDMA Band 5\_Body Left\_Middle****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

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

Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.975$  S/m;  $\epsilon_r = 55.222$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;

Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(10.23, 10.23, 10.23) @836.6 MHz; 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: Serial: 1130
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (121x51x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.0628 W/kg

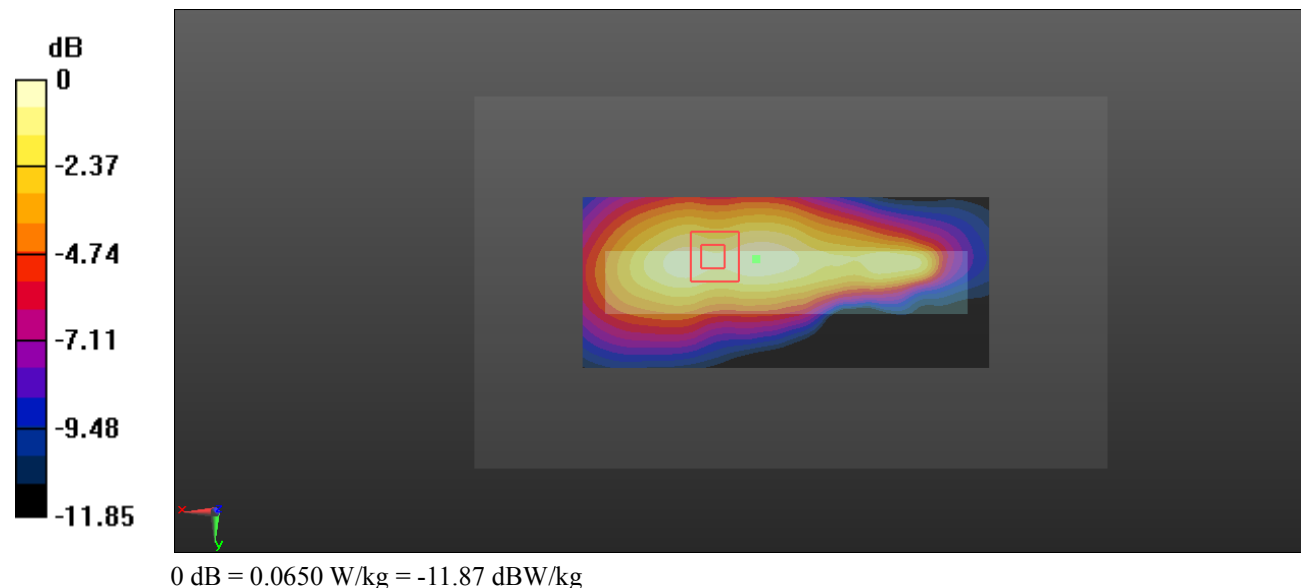
**Zoom Scan (7x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.729 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.0760 W/kg

**SAR(1 g) = 0.049 W/kg; SAR(10 g) = 0.032 W/kg**

Maximum value of SAR (measured) = 0.0650 W/kg



**Test Plot 22#: WCDMA Band 5\_Body Bottom\_Middle****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

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

Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.975$  S/m;  $\epsilon_r = 55.222$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;

Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(10.23, 10.23, 10.23) @836.6 MHz; 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: Serial: 1130
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (51x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.196 W/kg

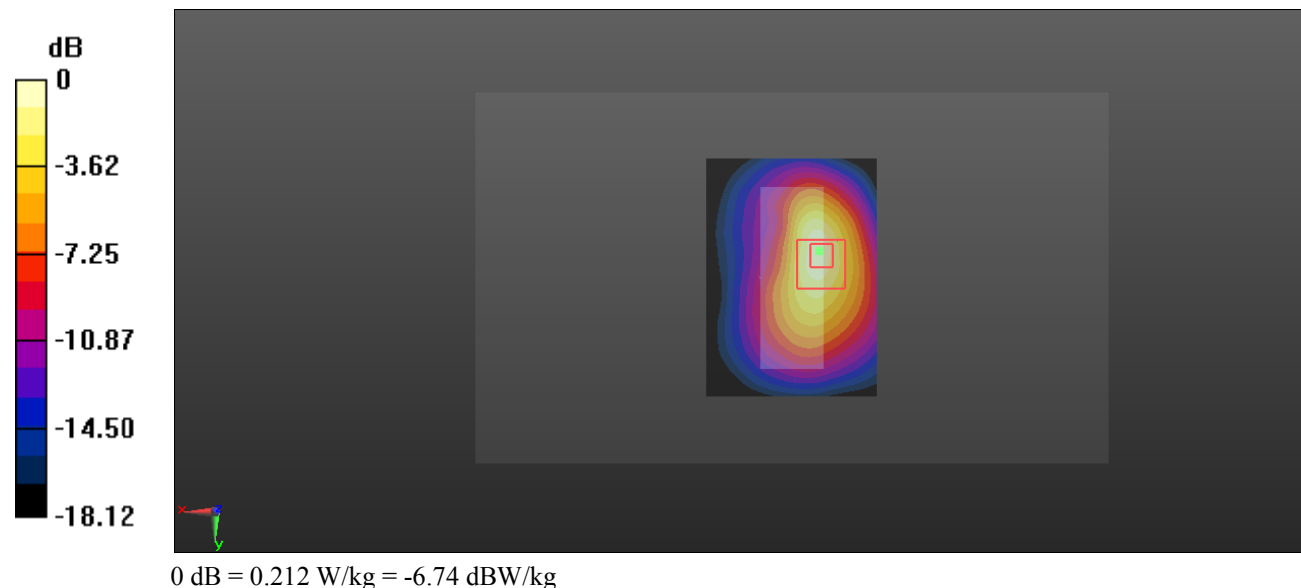
**Zoom Scan (5x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.469 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.263 W/kg

**SAR(1 g) = 0.131 W/kg; SAR(10 g) = 0.072 W/kg**

Maximum value of SAR (measured) = 0.212 W/kg



**Test Plot 23#: LTE Band 2\_Head Flat\_1RB\_Middle****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: Generic FDD-LTE; Frequency: 1880 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.397$  S/m;  $\epsilon_r = 38.953$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(8.1, 8.1, 8.1) @1880 MHz; 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: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (121x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.389 W/kg

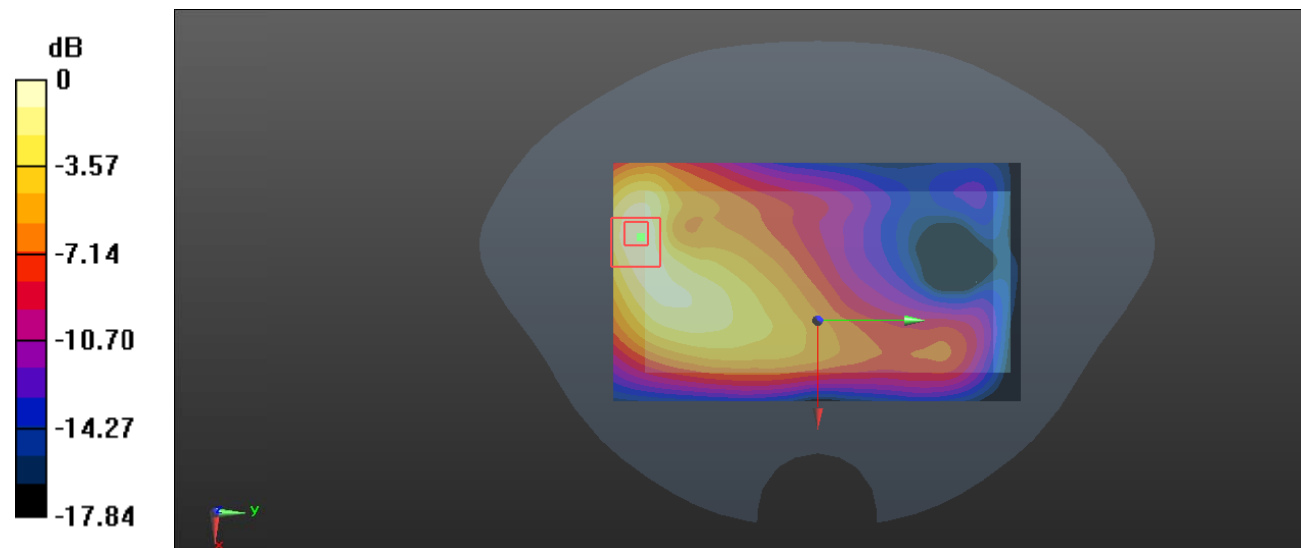
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.615 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.493 W/kg

**SAR(1 g) = 0.284 W/kg; SAR(10 g) = 0.161 W/kg**

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



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

**Test Plot 24#: LTE Band 2\_Head Flat\_50%RB\_Middle****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: Generic FDD-LTE; Frequency: 1880 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.397$  S/m;  $\epsilon_r = 38.953$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(8.1, 8.1, 8.1) @1880 MHz; 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: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (121x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.322 W/kg

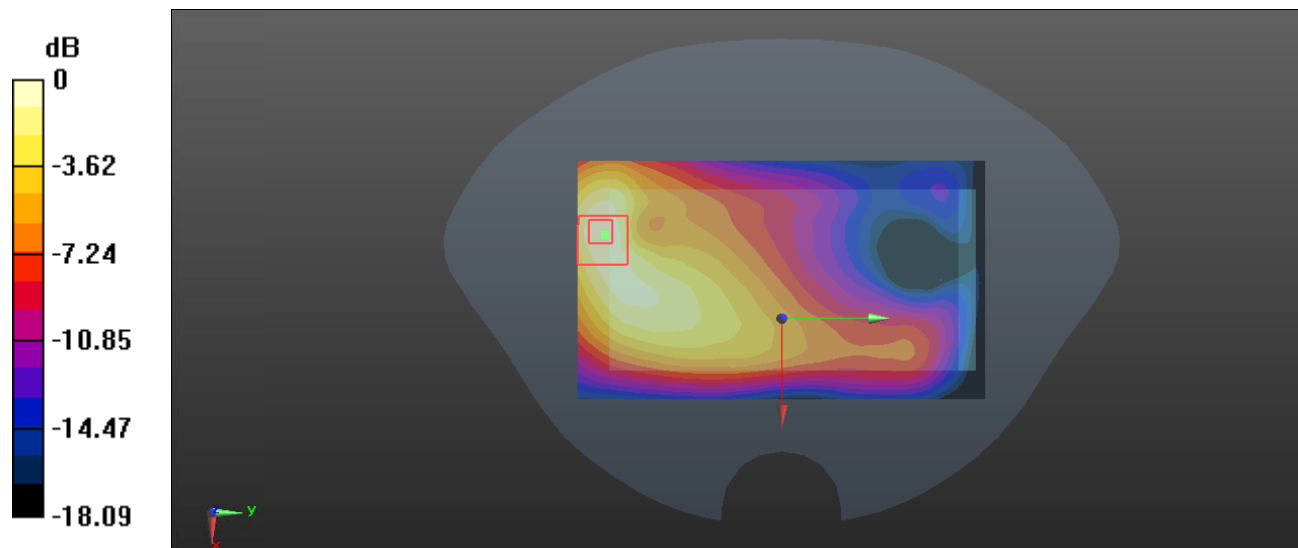
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.102 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.405 W/kg

**SAR(1 g) = 0.233 W/kg; SAR(10 g) = 0.132 W/kg**

Maximum value of SAR (measured) = 0.342 W/kg



0 dB = 0.342 W/kg = -4.66 dBW/kg

**Test Plot 25#: LTE Band 2\_Body Back\_1RB\_Middle****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: Generic FDD-LTE; Frequency: 1880 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.512$  S/m;  $\epsilon_r = 52.625$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
 Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(7.7, 7.7, 7.7) @1880 MHz; 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: Serial: 1130
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (121x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

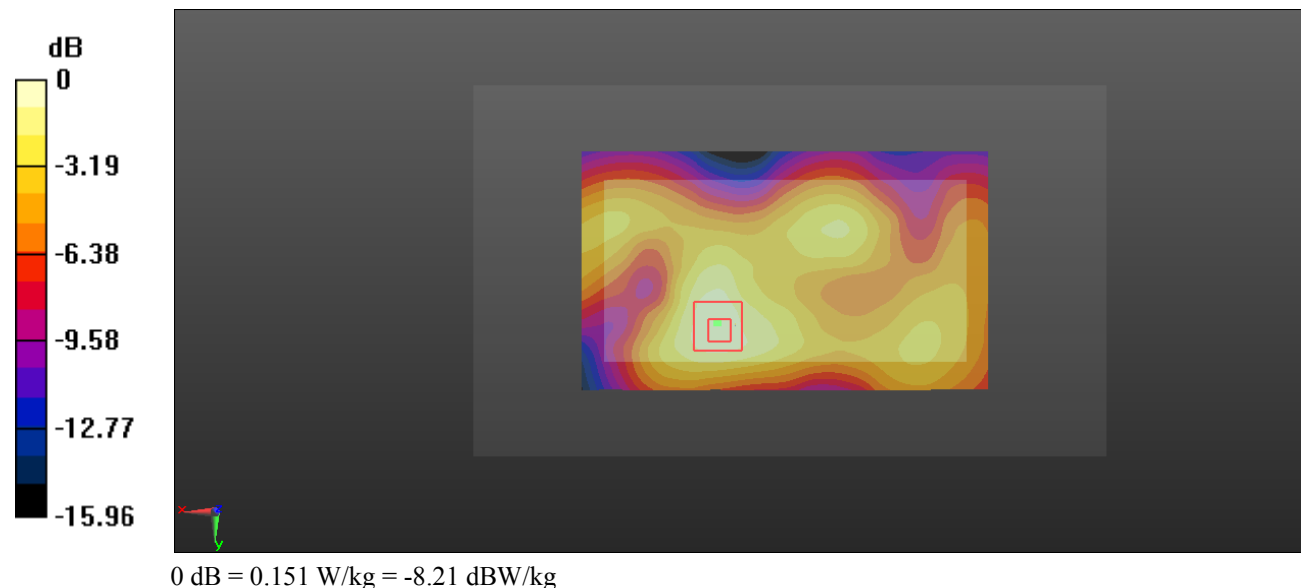
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.758 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.183 W/kg

**SAR(1 g) = 0.106 W/kg; SAR(10 g) = 0.063 W/kg**

Maximum value of SAR (measured) = 0.151 W/kg



**Test Plot 26#: LTE Band 2\_Body Back\_50%RB\_Middle****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: Generic FDD-LTE; Frequency: 1880 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.512$  S/m;  $\epsilon_r = 52.625$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
 Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(7.7, 7.7, 7.7) @1880 MHz; 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: Serial: 1130
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (121x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

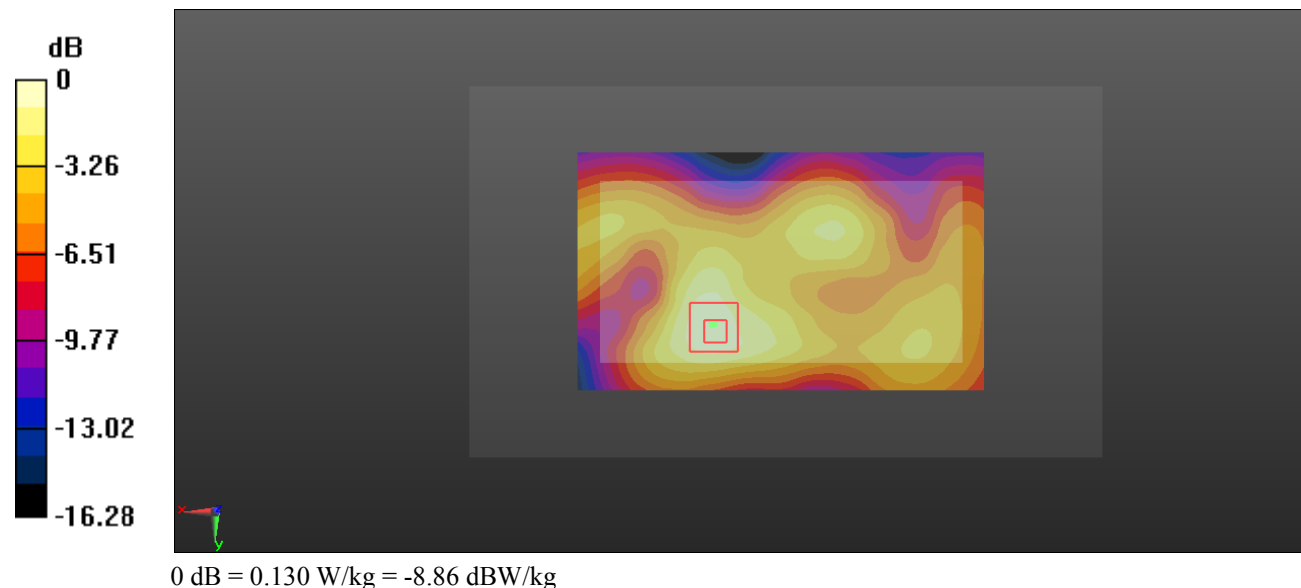
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.190 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.158 W/kg

**SAR(1 g) = 0.090 W/kg; SAR(10 g) = 0.053 W/kg**

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



**Test Plot 27#: LTE Band 2\_Body Left\_1RB\_Middle****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: Generic FDD-LTE; Frequency: 1880 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.512$  S/m;  $\epsilon_r = 52.625$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
 Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(7.7, 7.7, 7.7) @1880 MHz; 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: Serial: 1130
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (121x51x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

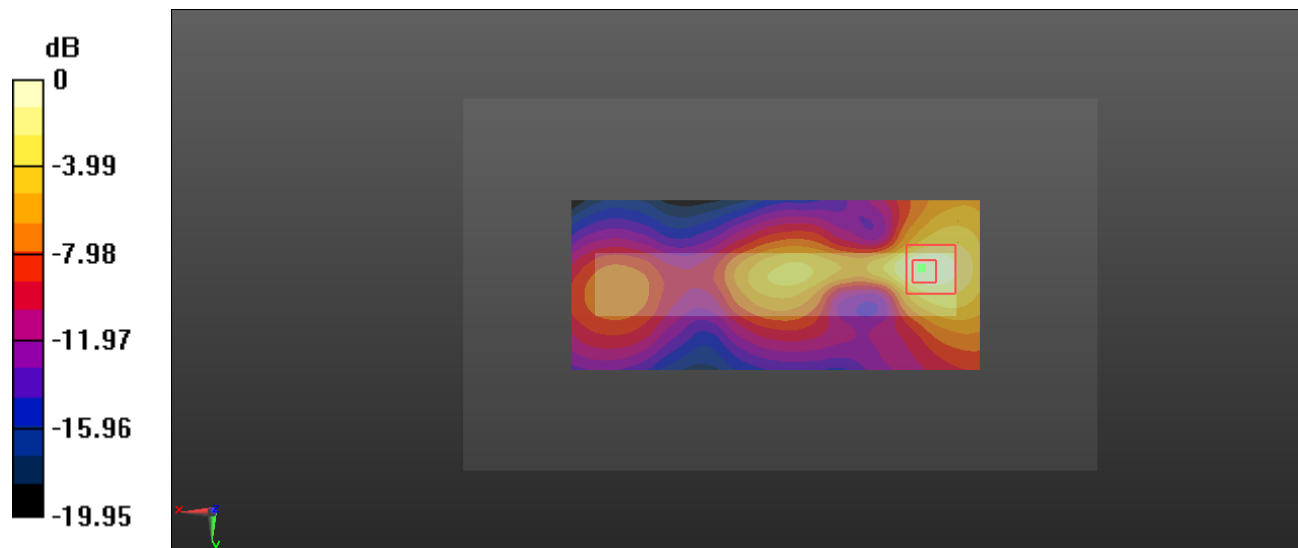
**Zoom Scan (6x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.708 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.266 W/kg

**SAR(1 g) = 0.142 W/kg; SAR(10 g) = 0.075 W/kg**

Maximum value of SAR (measured) = 0.216 W/kg



0 dB = 0.216 W/kg = -6.66 dBW/kg

**Test Plot 28#: LTE Band 2\_Body Left\_50%RB\_Middle****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: Generic FDD-LTE; Frequency: 1880 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.512$  S/m;  $\epsilon_r = 52.625$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
 Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(7.7, 7.7, 7.7) @1880 MHz; 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: Serial: 1130
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (121x51x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.184 W/kg

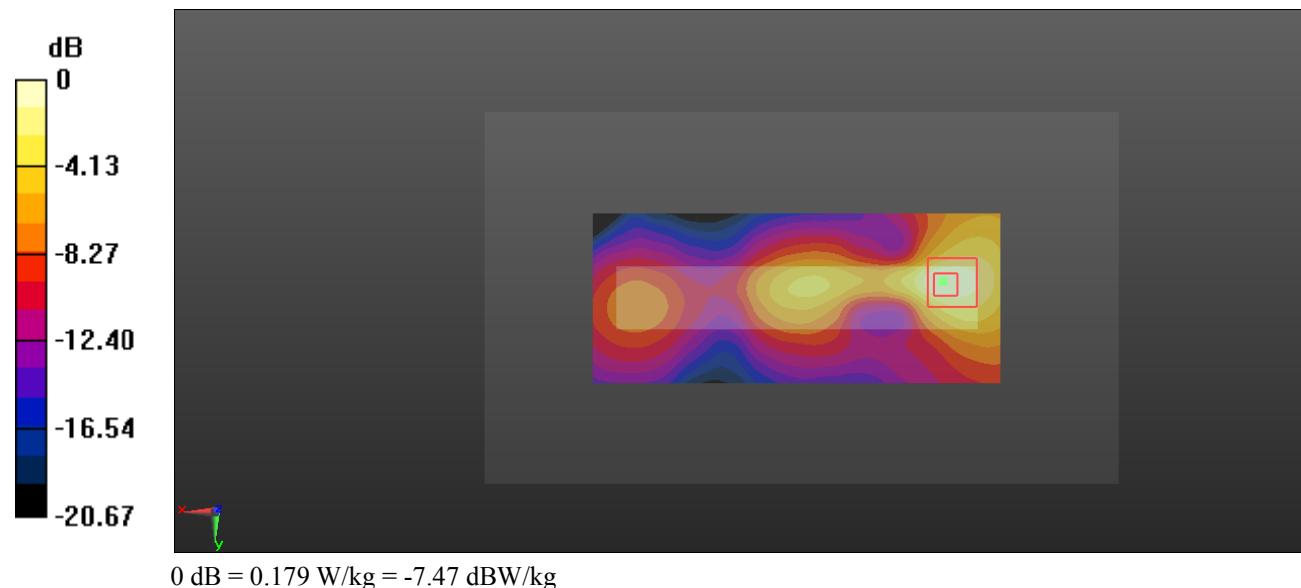
**Zoom Scan (6x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.827 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.221 W/kg

**SAR(1 g) = 0.117 W/kg; SAR(10 g) = 0.062 W/kg**

Maximum value of SAR (measured) = 0.179 W/kg



**Test Plot 29#: LTE Band 2\_Body Bottom\_1RB\_Middle****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: Generic FDD-LTE; Frequency: 1880 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.512$  S/m;  $\epsilon_r = 52.625$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
 Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(7.7, 7.7, 7.7) @1880 MHz; 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: Serial: 1130
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (51x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.14 W/kg

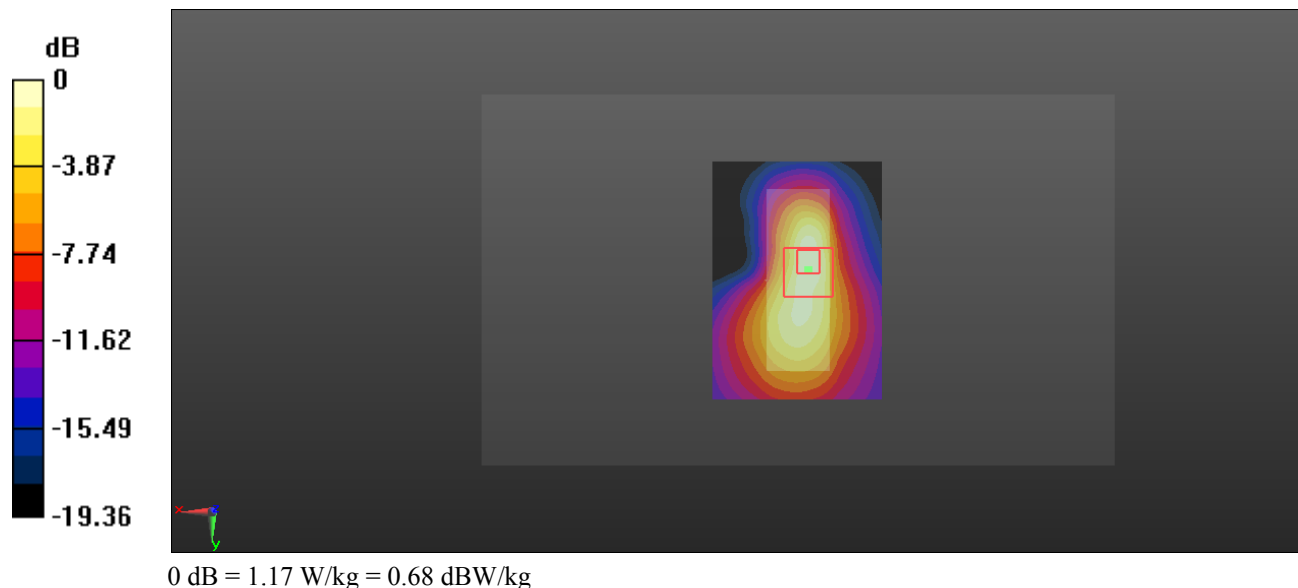
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.14 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.45 W/kg

**SAR(1 g) = 0.735 W/kg; SAR(10 g) = 0.365 W/kg**

Maximum value of SAR (measured) = 1.17 W/kg



**Test Plot 30#: LTE Band 2\_Body Bottom\_50%RB\_Middle****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: Generic FDD-LTE; Frequency: 1880 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.512$  S/m;  $\epsilon_r = 52.625$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
 Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(7.7, 7.7, 7.7) @1880 MHz; 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: Serial: 1130
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (51x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.966 W/kg

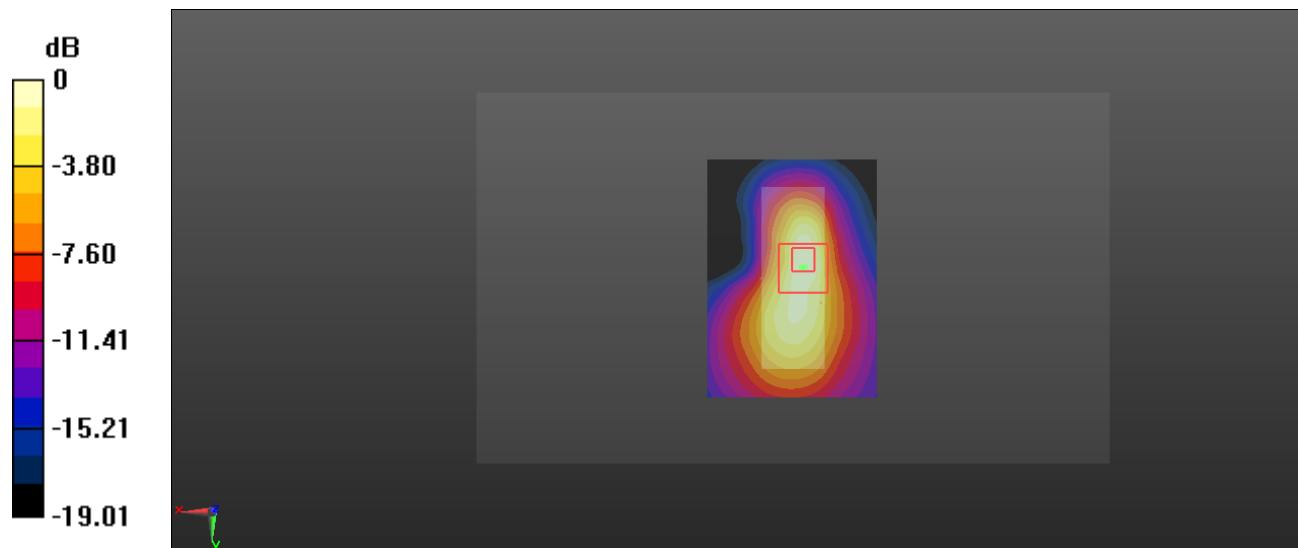
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.11 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.23 W/kg

**SAR(1 g) = 0.620 W/kg; SAR(10 g) = 0.308 W/kg**

Maximum value of SAR (measured) = 0.984 W/kg



0 dB = 0.984 W/kg = -0.07 dBW/kg

**Test Plot 31#: LTE Band 4\_Head Flat\_1RB\_Middle****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: Generic FDD-LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 1732.5$  MHz;  $\sigma = 1.345$  S/m;  $\epsilon_r = 41.232$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(8.35, 8.35, 8.35) @1732.5 MHz; 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: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (121x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.213 W/kg

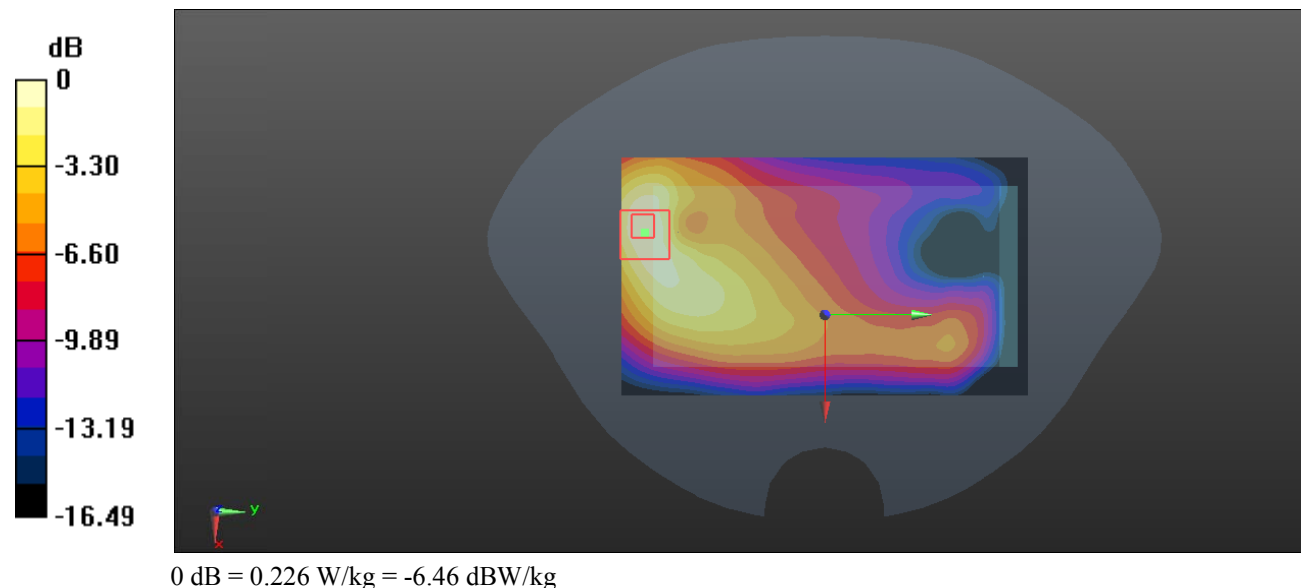
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.962 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.264 W/kg

**SAR(1 g) = 0.161 W/kg; SAR(10 g) = 0.095 W/kg**

Maximum value of SAR (measured) = 0.226 W/kg



**Test Plot 32#: LTE Band 4\_Head Flat\_50%RB\_Middle****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: Generic FDD-LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 1732.5$  MHz;  $\sigma = 1.345$  S/m;  $\epsilon_r = 41.232$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(8.35, 8.35, 8.35) @1732.5 MHz; 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: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (121x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.173 W/kg

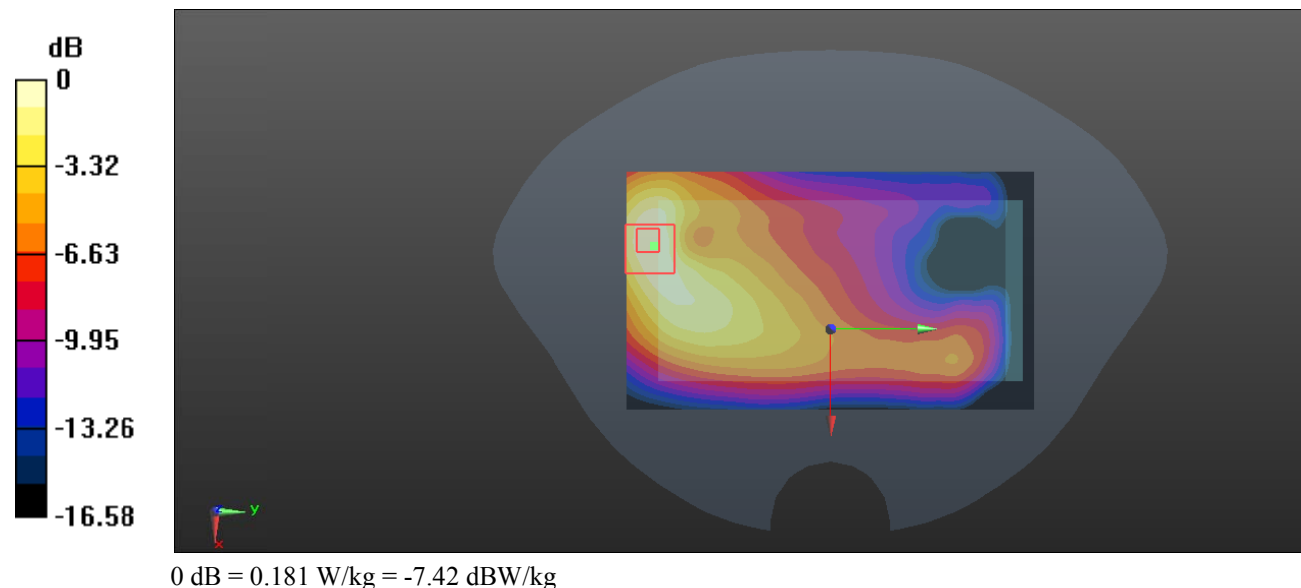
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.307 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.216 W/kg

**SAR(1 g) = 0.130 W/kg; SAR(10 g) = 0.076 W/kg**

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



**Test Plot 33#: LTE Band 4\_Body Back\_1RB\_Middle****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: Generic FDD-LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 1732.5$  MHz;  $\sigma = 1.527$  S/m;  $\epsilon_r = 52.854$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
 Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(8.05, 8.05, 8.05) @1732.5 MHz; 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: Serial: 1130
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (121x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.0321 W/kg

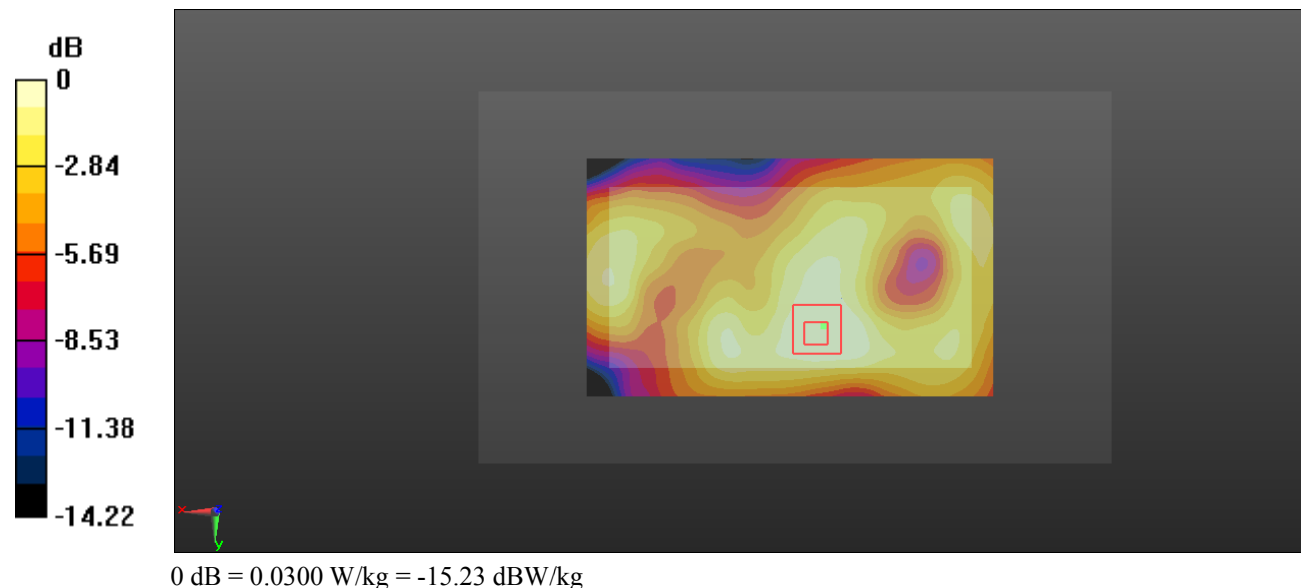
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.781 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.0360 W/kg

**SAR(1 g) = 0.022 W/kg; SAR(10 g) = 0.014 W/kg**

Maximum value of SAR (measured) = 0.0300 W/kg



**Test Plot 34#: LTE Band 4\_Body Back\_50%RB\_Middle****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: Generic FDD-LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 1732.5$  MHz;  $\sigma = 1.527$  S/m;  $\epsilon_r = 52.854$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
 Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(8.05, 8.05, 8.05) @1732.5 MHz; 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: Serial: 1130
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (121x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.0233 W/kg

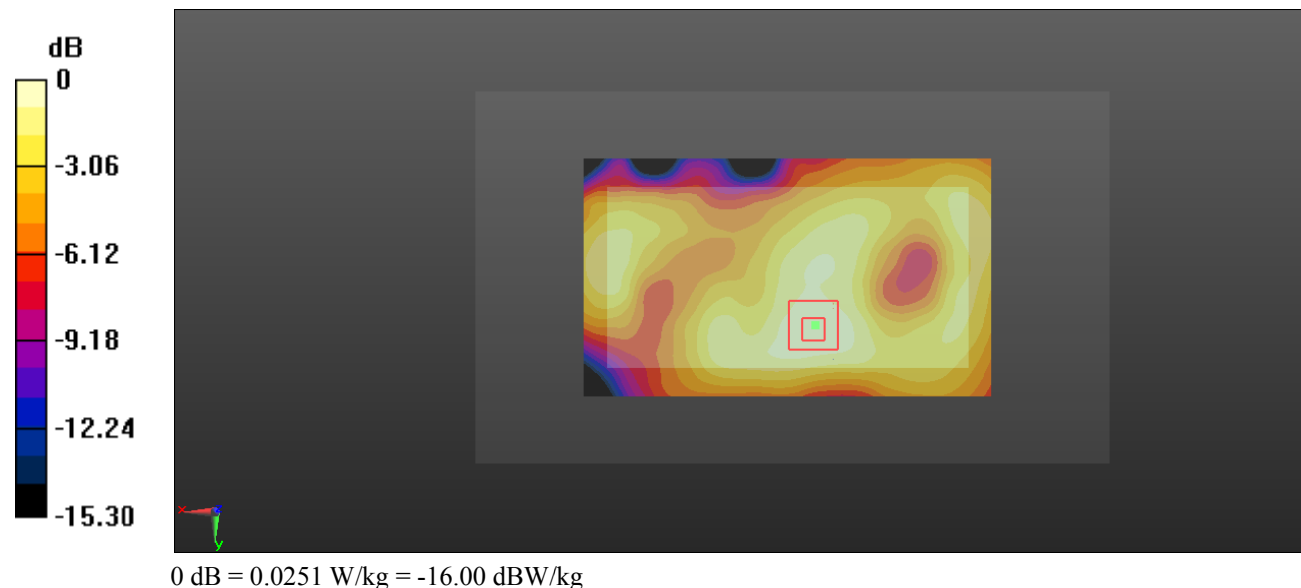
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.515 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.0300 W/kg

**SAR(1 g) = 0.018 W/kg; SAR(10 g) = 0.012 W/kg**

Maximum value of SAR (measured) = 0.0251 W/kg



**Test Plot 35#: LTE Band 4\_Body Left\_1RB\_Middle****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: Generic FDD-LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 1732.5$  MHz;  $\sigma = 1.527$  S/m;  $\epsilon_r = 52.854$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
 Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(8.05, 8.05, 8.05) @1732.5 MHz; 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: Serial: 1130
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (121x51x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.0883 W/kg

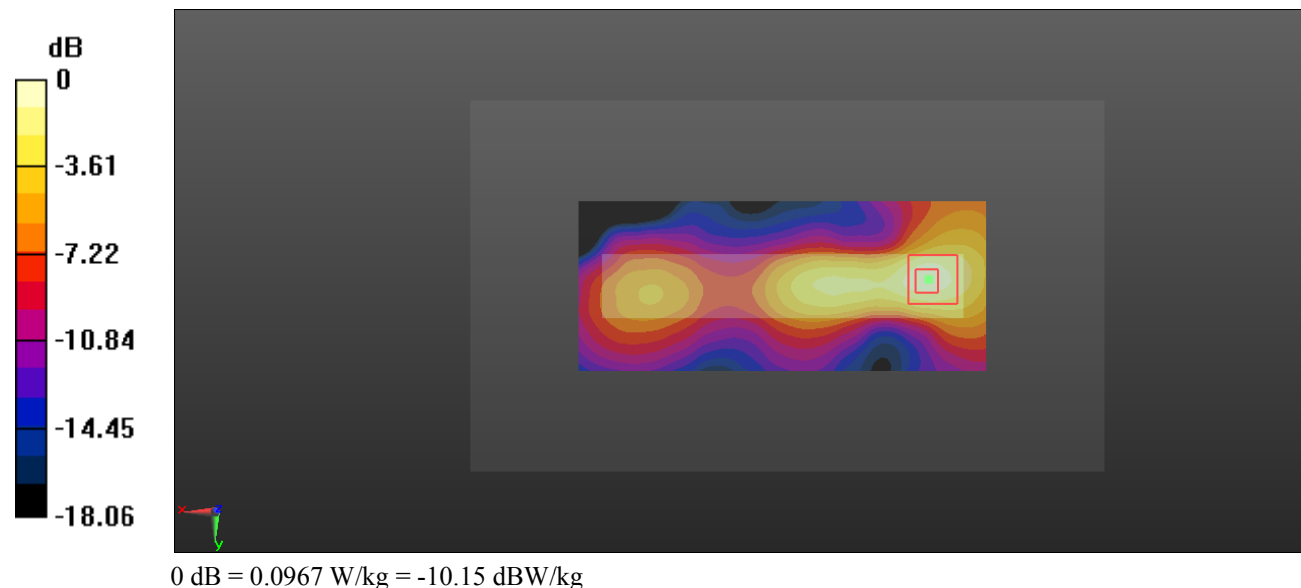
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.312 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.115 W/kg

**SAR(1 g) = 0.064 W/kg; SAR(10 g) = 0.035 W/kg**

Maximum value of SAR (measured) = 0.0967 W/kg



**Test Plot 36#: LTE Band 4\_Body Left\_50%RB\_Middle****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: Generic FDD-LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 1732.5$  MHz;  $\sigma = 1.527$  S/m;  $\epsilon_r = 52.854$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
 Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(8.05, 8.05, 8.05) @1732.5 MHz; 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: Serial: 1130
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (121x51x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.0715 W/kg

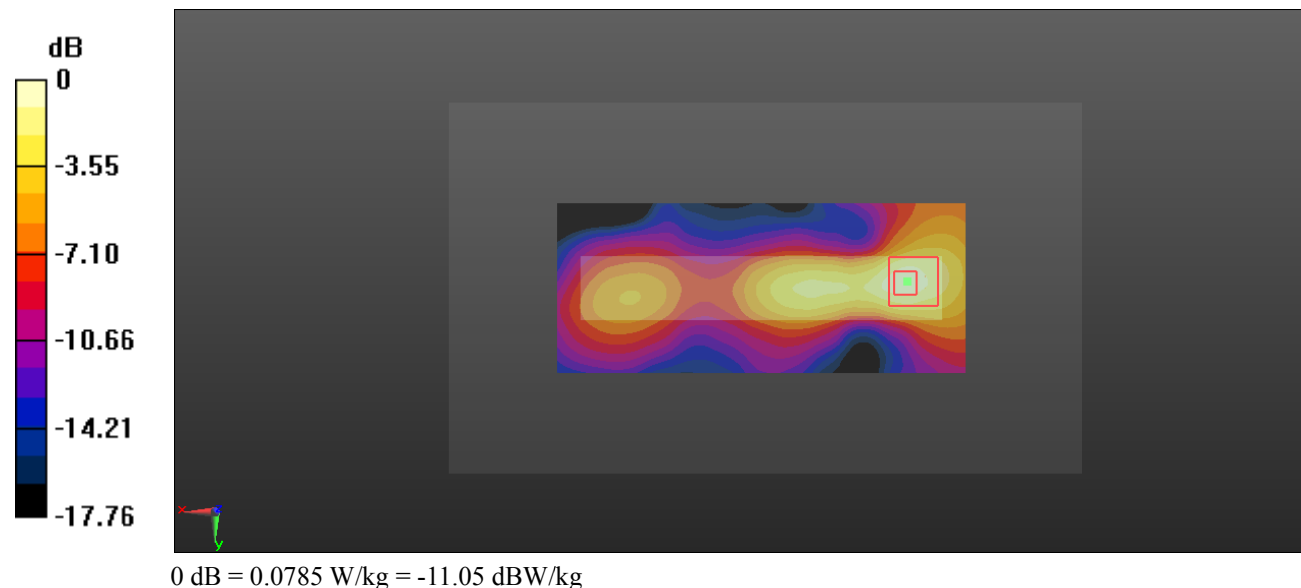
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.716 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.0920 W/kg

**SAR(1 g) = 0.052 W/kg; SAR(10 g) = 0.028 W/kg**

Maximum value of SAR (measured) = 0.0785 W/kg



**Test Plot 37#: LTE Band 4\_Body Bottom\_1RB\_Middle****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: Generic FDD-LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 1732.5$  MHz;  $\sigma = 1.527$  S/m;  $\epsilon_r = 52.854$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
 Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(8.05, 8.05, 8.05) @1732.5 MHz; 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: Serial: 1130
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (51x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.712 W/kg

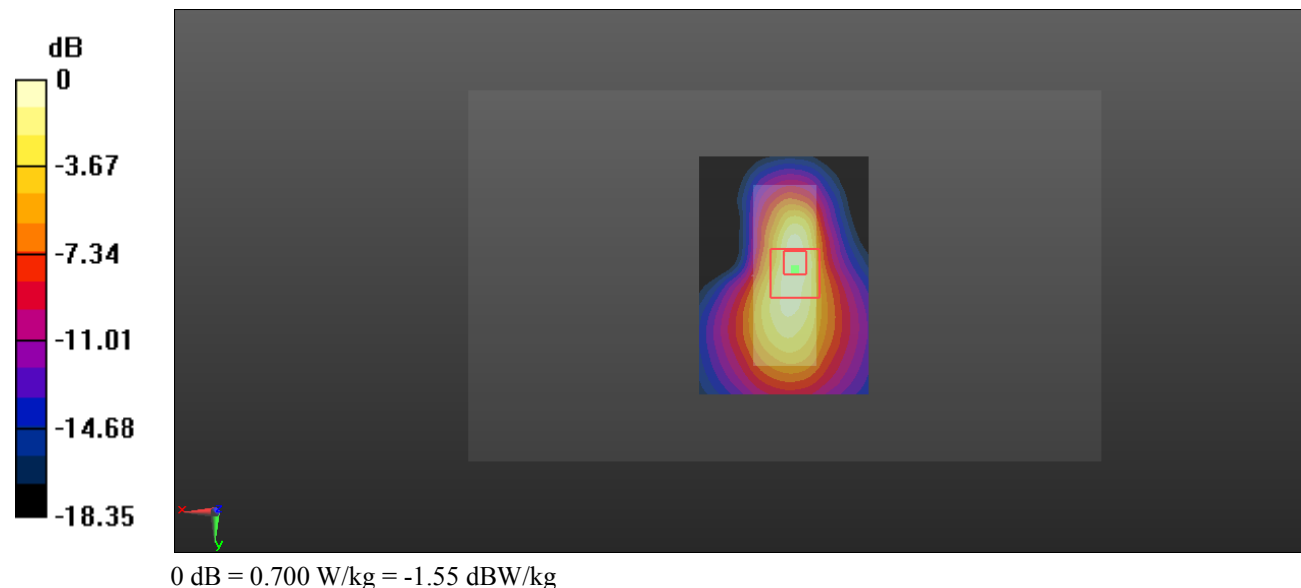
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.62 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.850 W/kg

**SAR(1 g) = 0.456 W/kg; SAR(10 g) = 0.237 W/kg**

Maximum value of SAR (measured) = 0.700 W/kg



**Test Plot 38#: LTE Band 4\_Body Bottom\_50%RB\_Middle****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: Generic FDD-LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 1732.5$  MHz;  $\sigma = 1.527$  S/m;  $\epsilon_r = 52.854$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
 Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(8.05, 8.05, 8.05) @1732.5 MHz; 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: Serial: 1130
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (51x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.571 W/kg

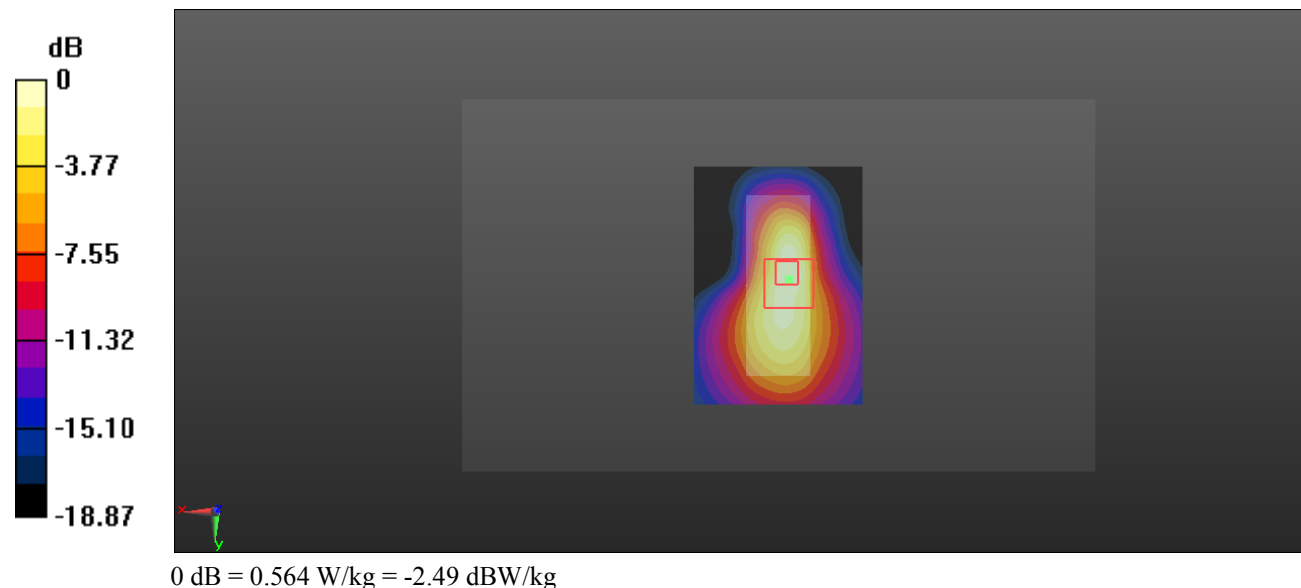
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.49 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.694 W/kg

**SAR(1 g) = 0.369 W/kg; SAR(10 g) = 0.191 W/kg**

Maximum value of SAR (measured) = 0.564 W/kg



**Test Plot 39#: LTE Band 7\_Head Flat\_1RB\_Middle****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: Generic FDD-LTE; Frequency: 2535 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 2535$  MHz;  $\sigma = 1.927$  S/m;  $\epsilon_r = 37.963$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(7.62, 7.62, 7.62) @2535 MHz; 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: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (151x91x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.271 W/kg

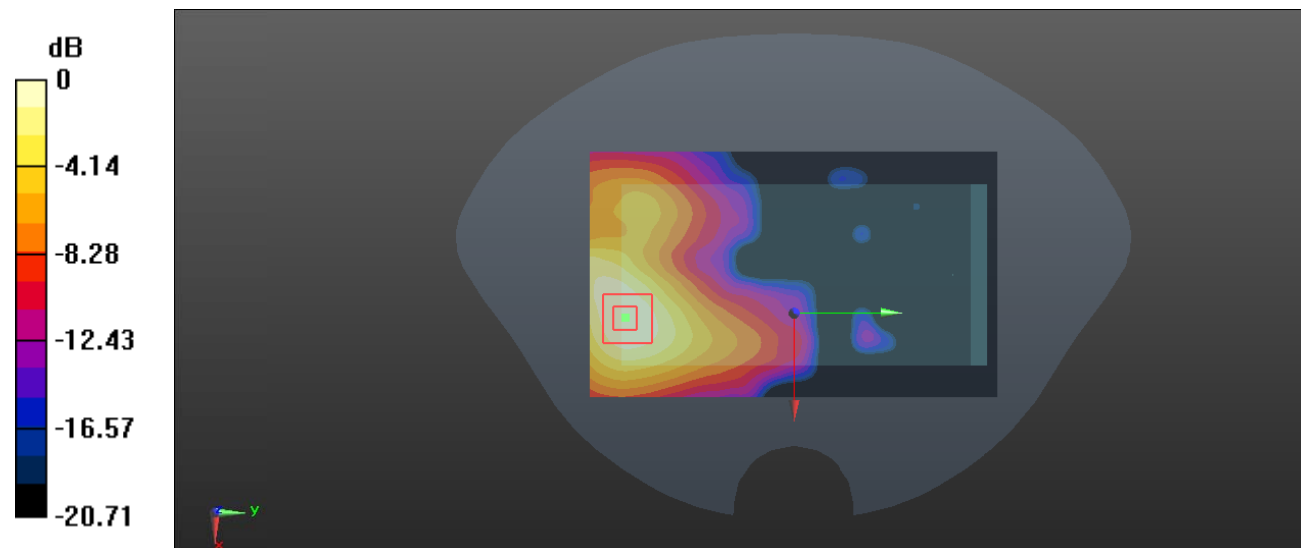
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.960 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.317 W/kg

**SAR(1 g) = 0.177 W/kg; SAR(10 g) = 0.098 W/kg**

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



0 dB = 0.266 W/kg = -5.75 dBW/kg

**Test Plot 40#: LTE Band 7\_Head Flat\_50%RB\_Middle****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: Generic FDD-LTE; Frequency: 2535 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 2535$  MHz;  $\sigma = 1.927$  S/m;  $\epsilon_r = 37.963$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(7.62, 7.62, 7.62) @2535 MHz; 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: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (151x91x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.200 W/kg

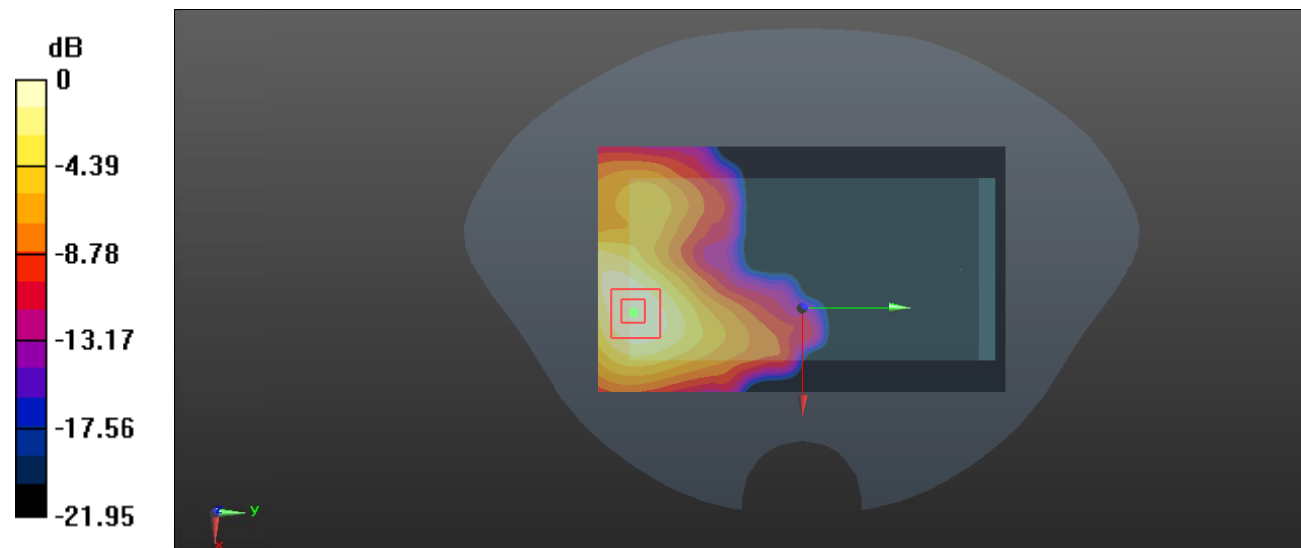
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.124 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.237 W/kg

**SAR(1 g) = 0.131 W/kg; SAR(10 g) = 0.072 W/kg**

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



0 dB = 0.198 W/kg = -7.03 dBW/kg

**Test Plot 41#: LTE Band 7\_Body Back\_1RB\_Middle****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: Generic FDD-LTE; Frequency: 2535 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 2535$  MHz;  $\sigma = 2.112$  S/m;  $\epsilon_r = 51.29$ ;  $\rho = 1000$  kg/m<sup>3</sup>;  
 Phantom section: Center Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(7.47, 7.47, 7.47) @2535 MHz; 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: Serial: 1130
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (151x91x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.108 W/kg

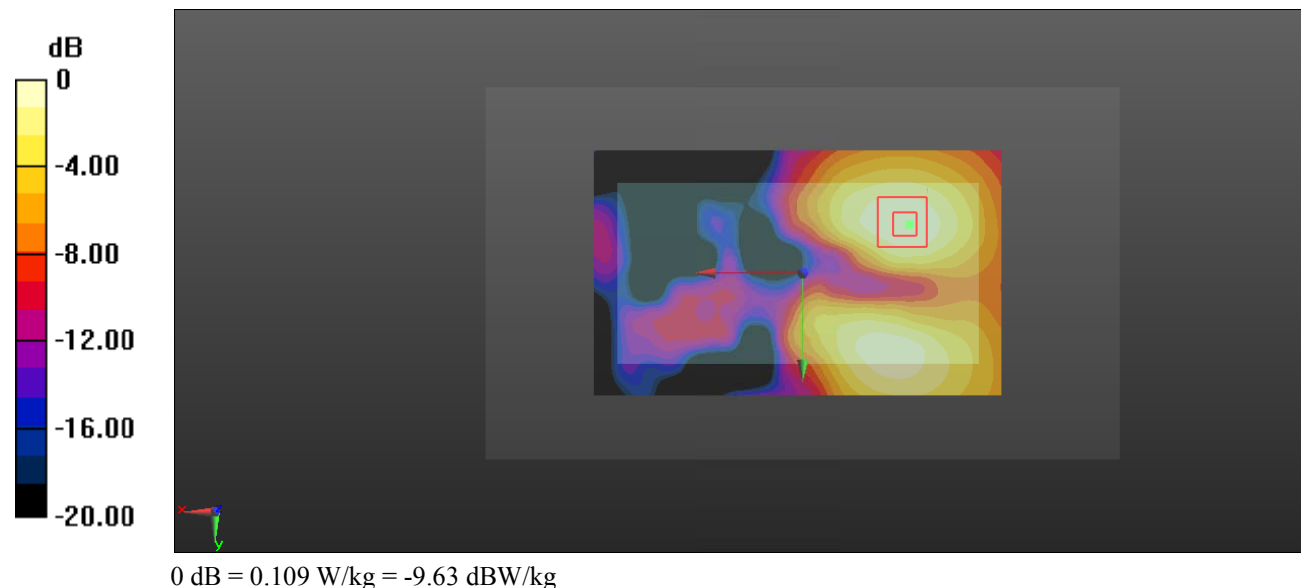
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.774 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.133 W/kg

**SAR(1 g) = 0.072 W/kg; SAR(10 g) = 0.039 W/kg**

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



**Test Plot 42#: LTE Band 7\_Body Back\_50%RB\_Middle****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: Generic FDD-LTE; Frequency: 2535 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 2535$  MHz;  $\sigma = 2.112$  S/m;  $\epsilon_r = 51.29$ ;  $\rho = 1000$  kg/m<sup>3</sup>;  
 Phantom section: Center Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(7.47, 7.47, 7.47) @2535 MHz; 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: Serial: 1130
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (151x91x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0823 W/kg

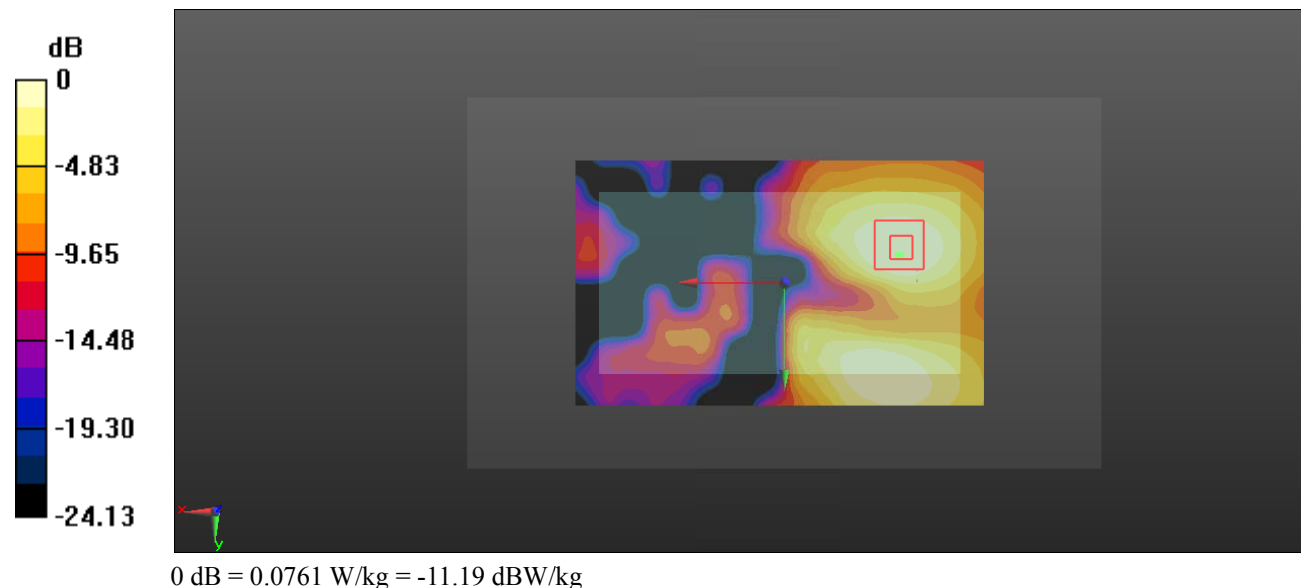
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0.5030 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.0950 W/kg

**SAR(1 g) = 0.051 W/kg; SAR(10 g) = 0.027 W/kg**

Maximum value of SAR (measured) = 0.0761 W/kg



**Test Plot 43#: LTE Band 7\_Body Left\_1RB\_Middle****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: Generic FDD-LTE; Frequency: 2535 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 2535$  MHz;  $\sigma = 2.112$  S/m;  $\epsilon_r = 51.29$ ;  $\rho = 1000$  kg/m<sup>3</sup>;  
 Phantom section: Center Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(7.47, 7.47, 7.47) @2535 MHz; 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: Serial: 1130
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (151x61x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.148 W/kg

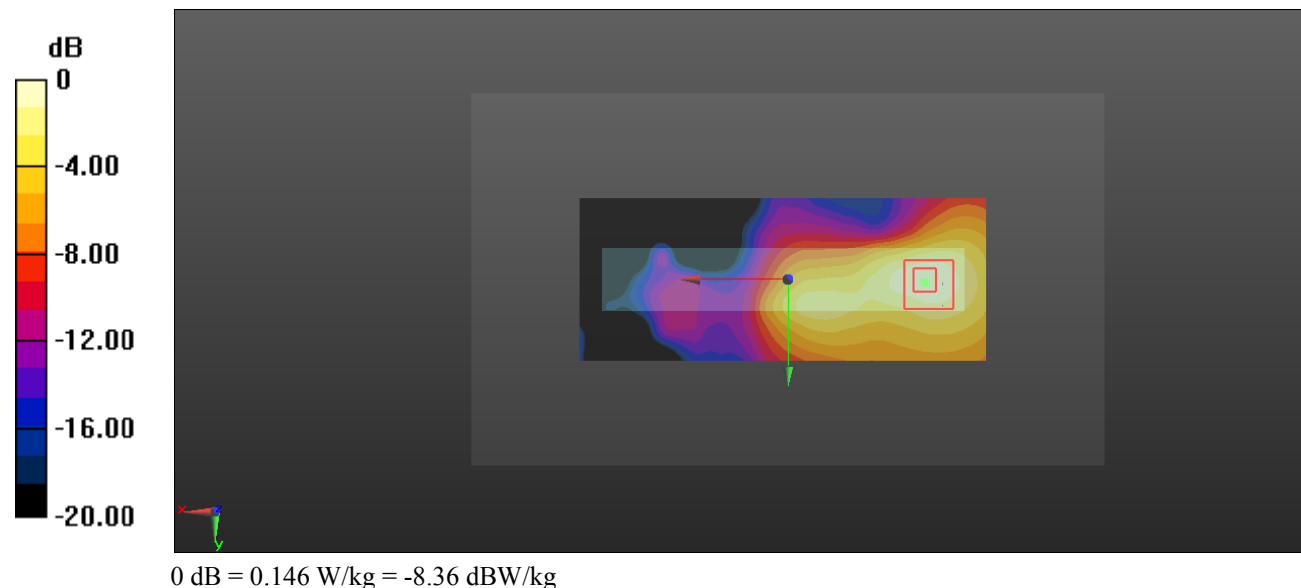
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.670 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.178 W/kg

**SAR(1 g) = 0.093 W/kg; SAR(10 g) = 0.048 W/kg**

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



**Test Plot 44#: LTE Band 7\_Body Left\_50%RB\_Middle****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: Generic FDD-LTE; Frequency: 2535 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 2535$  MHz;  $\sigma = 2.112$  S/m;  $\epsilon_r = 51.29$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
 Phantom section: Center Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(7.47, 7.47, 7.47) @2535 MHz; 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: Serial: 1130
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (151x61x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

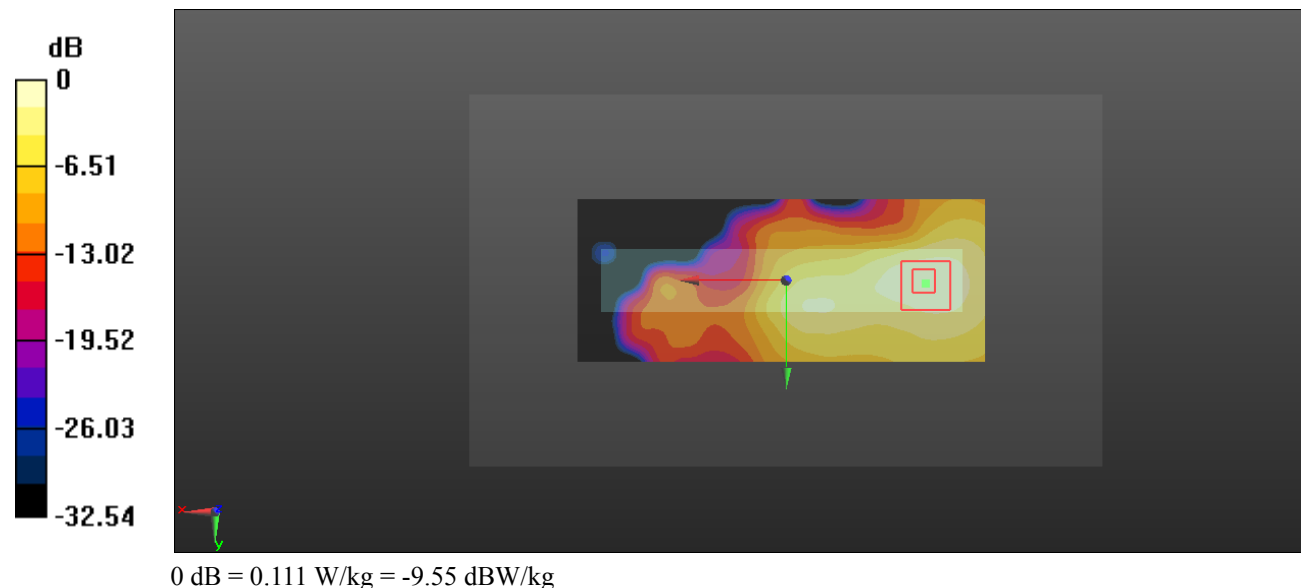
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.752 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.137 W/kg

**SAR(1 g) = 0.070 W/kg; SAR(10 g) = 0.036 W/kg**

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



**Test Plot 45#: LTE Band 7\_Body Bottom\_1RB\_Middle****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: Generic FDD-LTE; Frequency: 2535 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 2535$  MHz;  $\sigma = 2.112$  S/m;  $\epsilon_r = 51.29$ ;  $\rho = 1000$  kg/m<sup>3</sup>;  
 Phantom section: Center Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(7.47, 7.47, 7.47) @2535 MHz; 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: Serial: 1130
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (61x91x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.811 W/kg

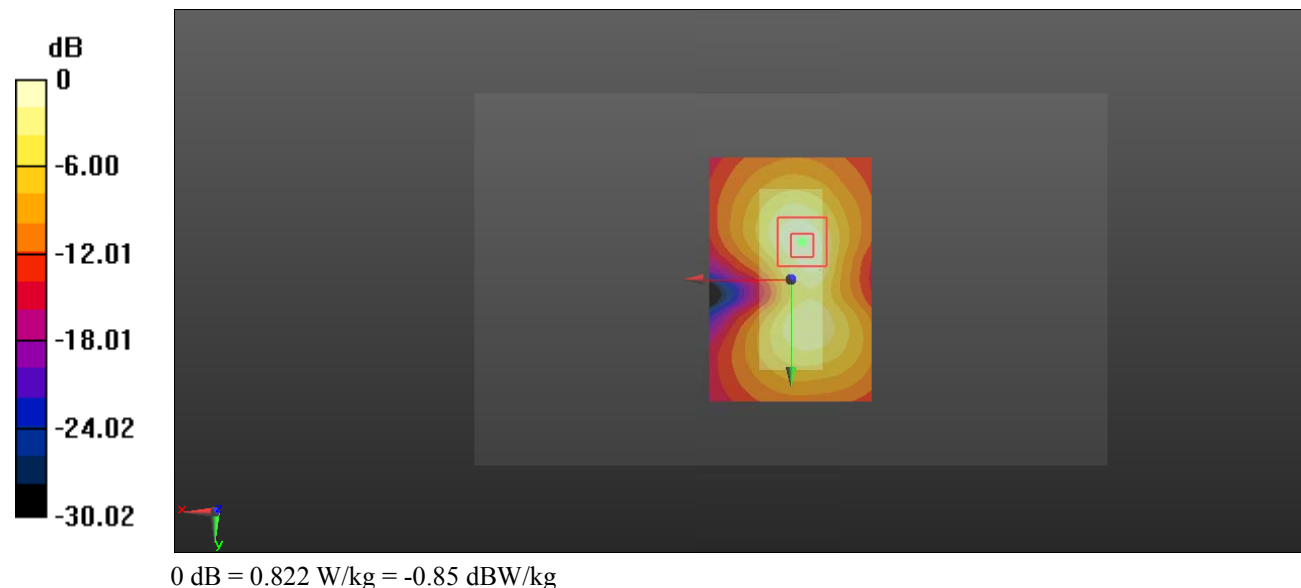
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.40 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.01 W/kg

**SAR(1 g) = 0.505 W/kg; SAR(10 g) = 0.232 W/kg**

Maximum value of SAR (measured) = 0.822 W/kg



**Test Plot 46#: LTE Band 7\_Body Bottom\_50%RB\_Middle****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: Generic FDD-LTE; Frequency: 2535 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 2535$  MHz;  $\sigma = 2.112$  S/m;  $\epsilon_r = 51.29$ ;  $\rho = 1000$  kg/m<sup>3</sup>;  
 Phantom section: Center Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(7.47, 7.47, 7.47) @2535 MHz; 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: Serial: 1130
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (61x91x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.593 W/kg

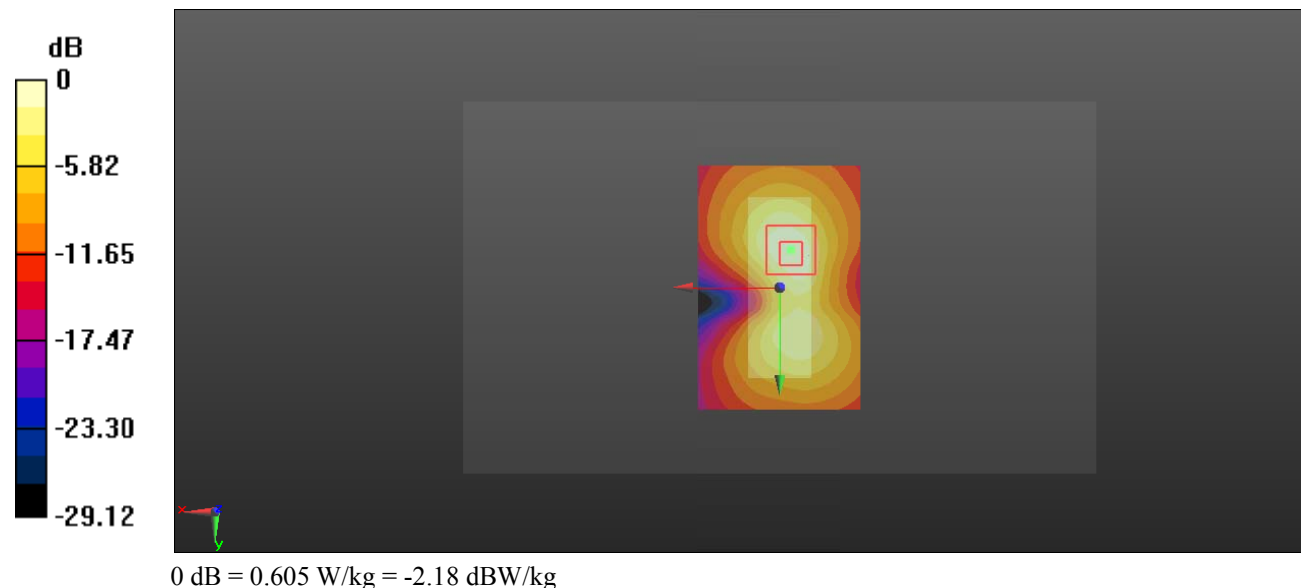
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.207 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.747 W/kg

**SAR(1 g) = 0.373 W/kg; SAR(10 g) = 0.172 W/kg**

Maximum value of SAR (measured) = 0.605 W/kg



**Test Plot 47#: LTE Band 25\_Head Flat\_1RB\_Middle****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: Generic FDD-LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 1882.5$  MHz;  $\sigma = 1.382$  S/m;  $\epsilon_r = 39.078$ ;  $\rho = 1000$  kg/m<sup>3</sup>;  
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(8.1, 8.1, 8.1) @1882.5 MHz; 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: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (121x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.389 W/kg

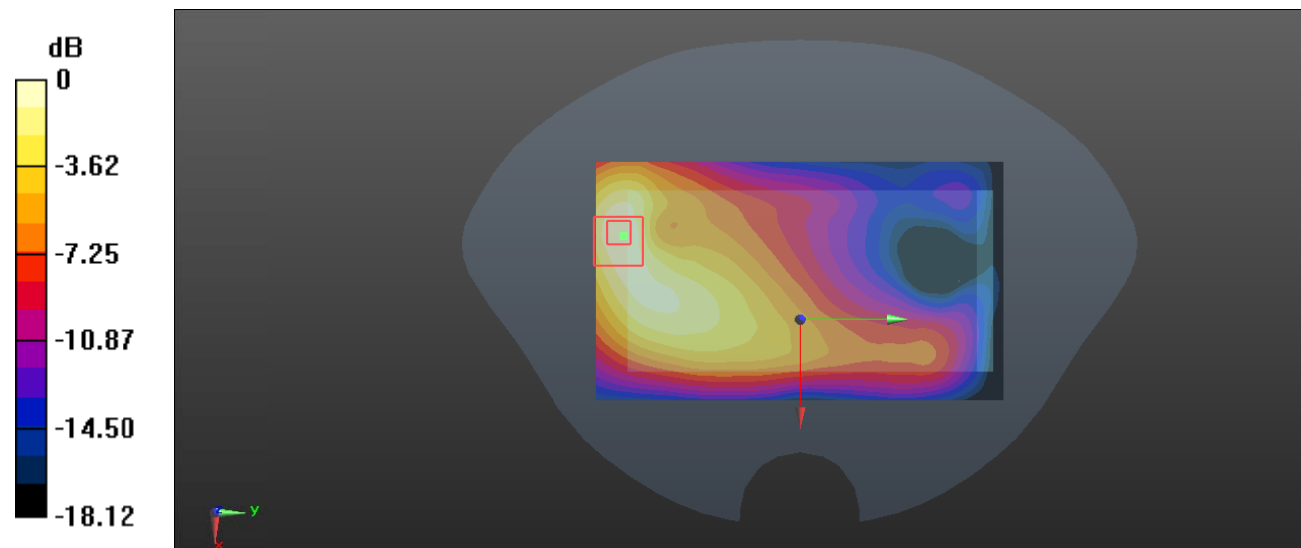
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.647 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.488 W/kg

**SAR(1 g) = 0.282 W/kg; SAR(10 g) = 0.160 W/kg**

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



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

**Test Plot 48#: LTE Band 25\_Head Flat\_50%RB\_Middle****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: Generic FDD-LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 1882.5$  MHz;  $\sigma = 1.382$  S/m;  $\epsilon_r = 39.078$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(8.1, 8.1, 8.1) @1882.5 MHz; 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: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (121x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.321 W/kg

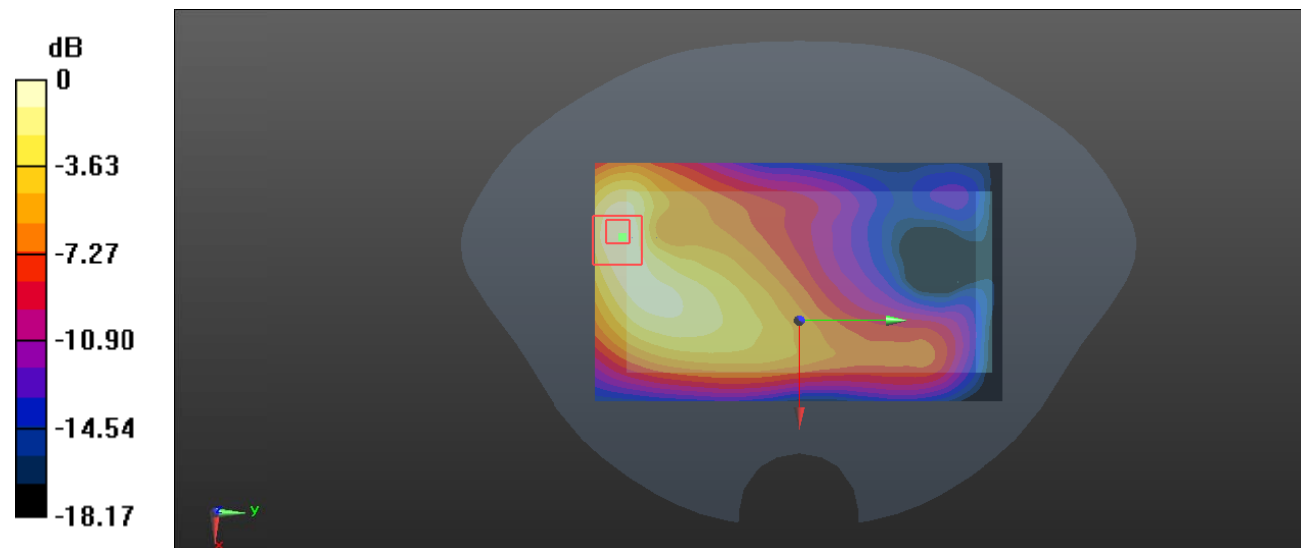
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.063 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.398 W/kg

**SAR(1 g) = 0.229 W/kg; SAR(10 g) = 0.130 W/kg**

Maximum value of SAR (measured) = 0.330 W/kg



0 dB = 0.330 W/kg = -4.81 dBW/kg

**Test Plot 49#: LTE Band 25\_Body Back\_1RB\_Middle****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: Generic FDD-LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 1882.5$  MHz;  $\sigma = 1.501$  S/m;  $\epsilon_r = 52.857$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
 Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(7.7, 7.7, 7.7) @1882.5 MHz; 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: Serial: 1130
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (121x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.158 W/kg

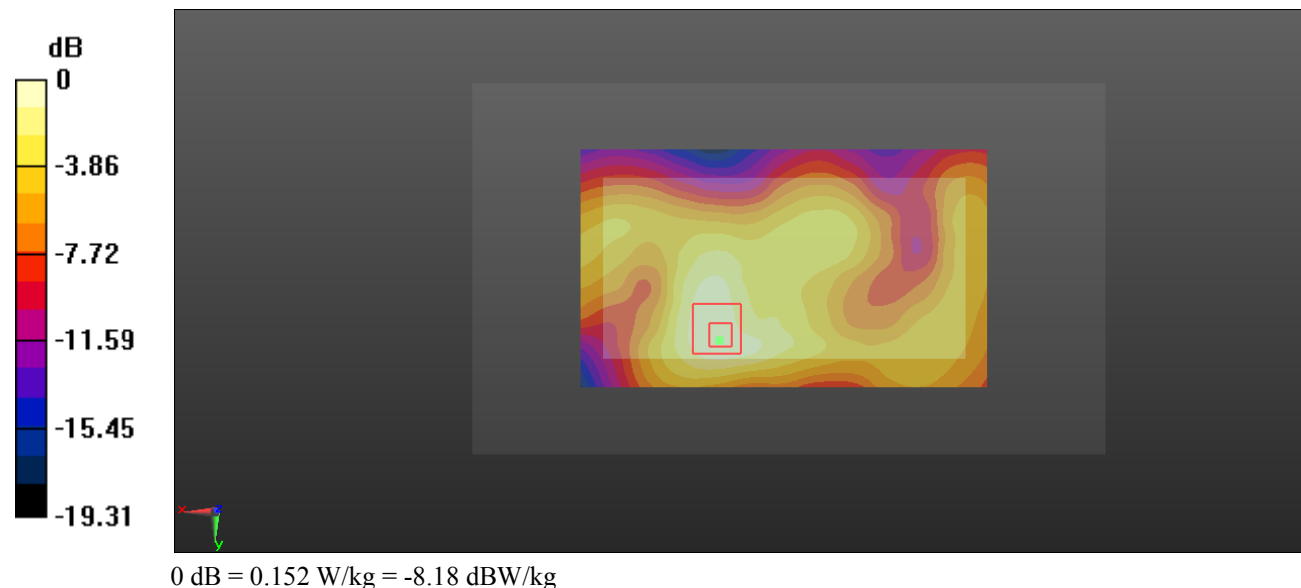
**Zoom Scan (6x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.456 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.183 W/kg

**SAR(1 g) = 0.105 W/kg; SAR(10 g) = 0.062 W/kg**

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



**Test Plot 50#: LTE Band 25\_Body Back\_50%RB\_Middle****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: Generic FDD-LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 1882.5$  MHz;  $\sigma = 1.501$  S/m;  $\epsilon_r = 52.857$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
 Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(7.7, 7.7, 7.7) @1882.5 MHz; 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: Serial: 1130
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (121x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

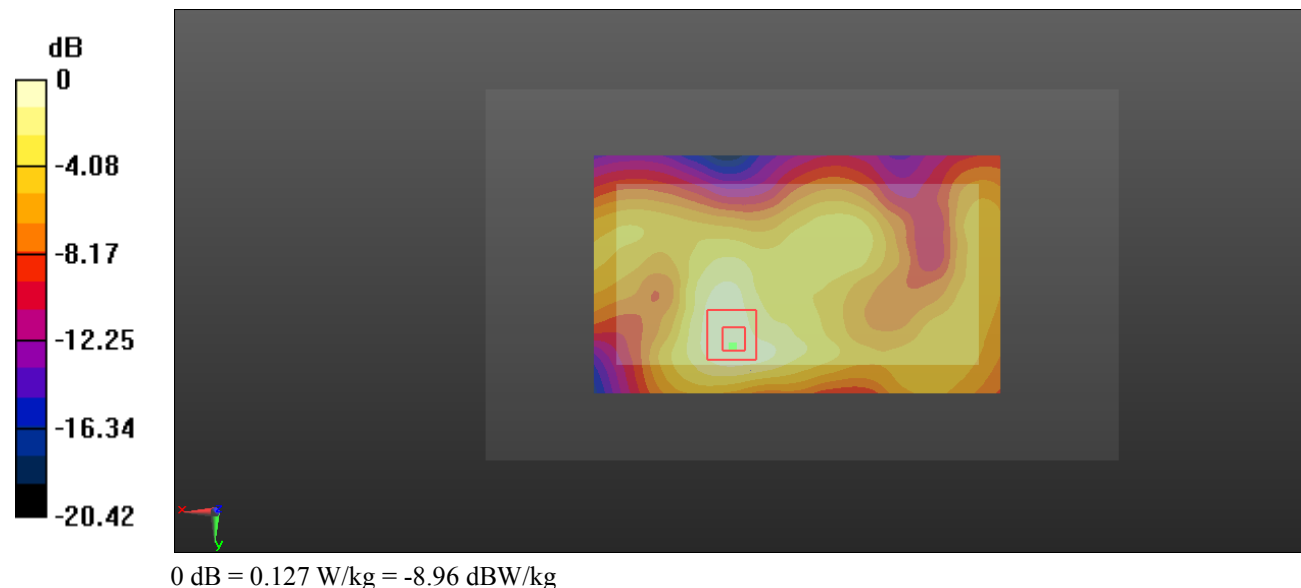
**Zoom Scan (6x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.447 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.152 W/kg

**SAR(1 g) = 0.087 W/kg; SAR(10 g) = 0.051 W/kg**

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



**Test Plot 51#: LTE Band 25\_Body Left\_1RB\_Middle****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: Generic FDD-LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 1882.5$  MHz;  $\sigma = 1.501$  S/m;  $\epsilon_r = 52.857$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
 Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(7.7, 7.7, 7.7) @1882.5 MHz; 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: Serial: 1130
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (121x51x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

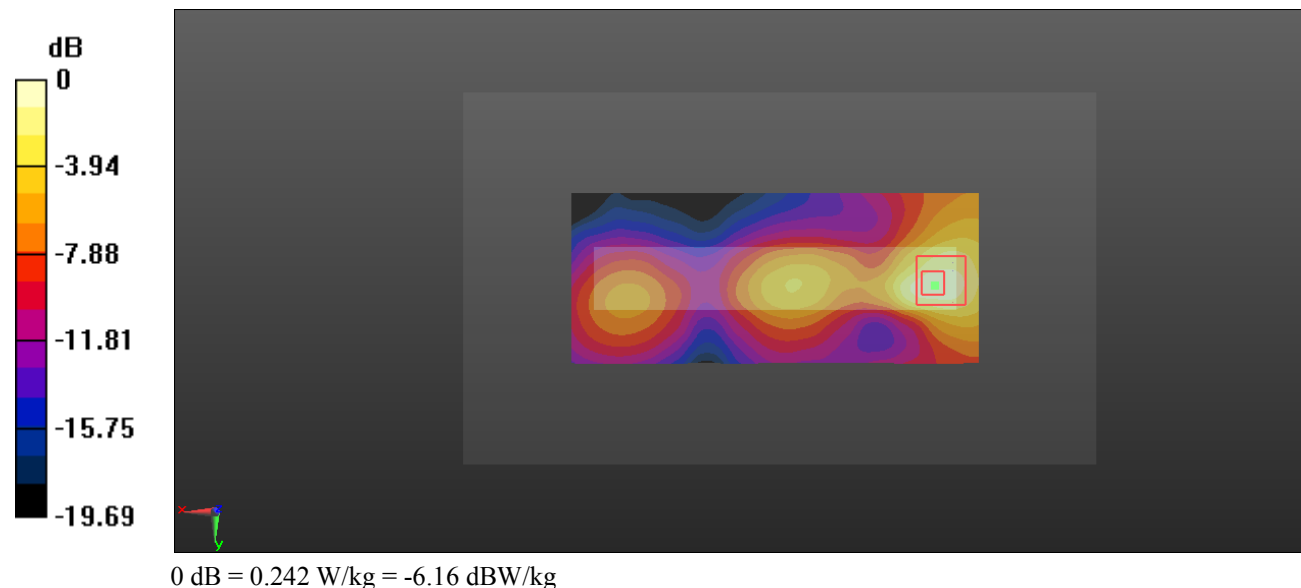
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.218 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.291 W/kg

**SAR(1 g) = 0.154 W/kg; SAR(10 g) = 0.082 W/kg**

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



**Test Plot 52#: LTE Band 25\_Body Left\_50%RB\_Middle****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: Generic FDD-LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 1882.5$  MHz;  $\sigma = 1.501$  S/m;  $\epsilon_r = 52.857$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
 Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(7.7, 7.7, 7.7) @1882.5 MHz; 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: Serial: 1130
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (121x51x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.180 W/kg

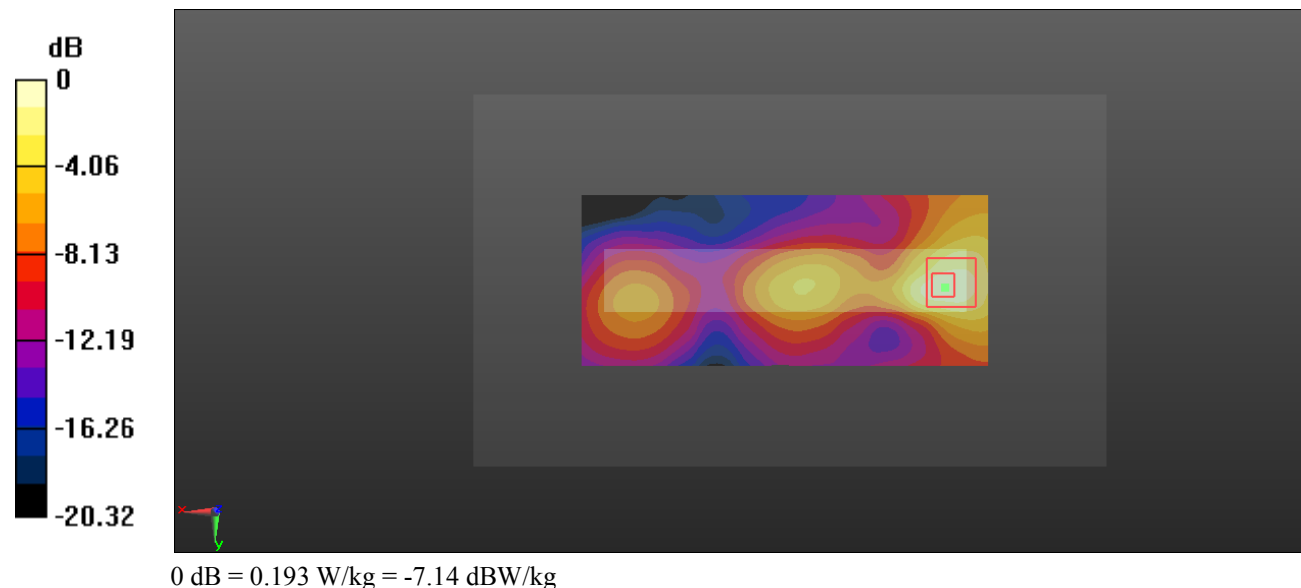
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.330 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.233 W/kg

**SAR(1 g) = 0.125 W/kg; SAR(10 g) = 0.067 W/kg**

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



**Test Plot 53#: LTE Band 25\_Body Bottom\_1RB\_Middle****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: Generic FDD-LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 1882.5$  MHz;  $\sigma = 1.501$  S/m;  $\epsilon_r = 52.857$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
 Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(7.7, 7.7, 7.7) @1882.5 MHz; 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: Serial: 1130
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (51x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

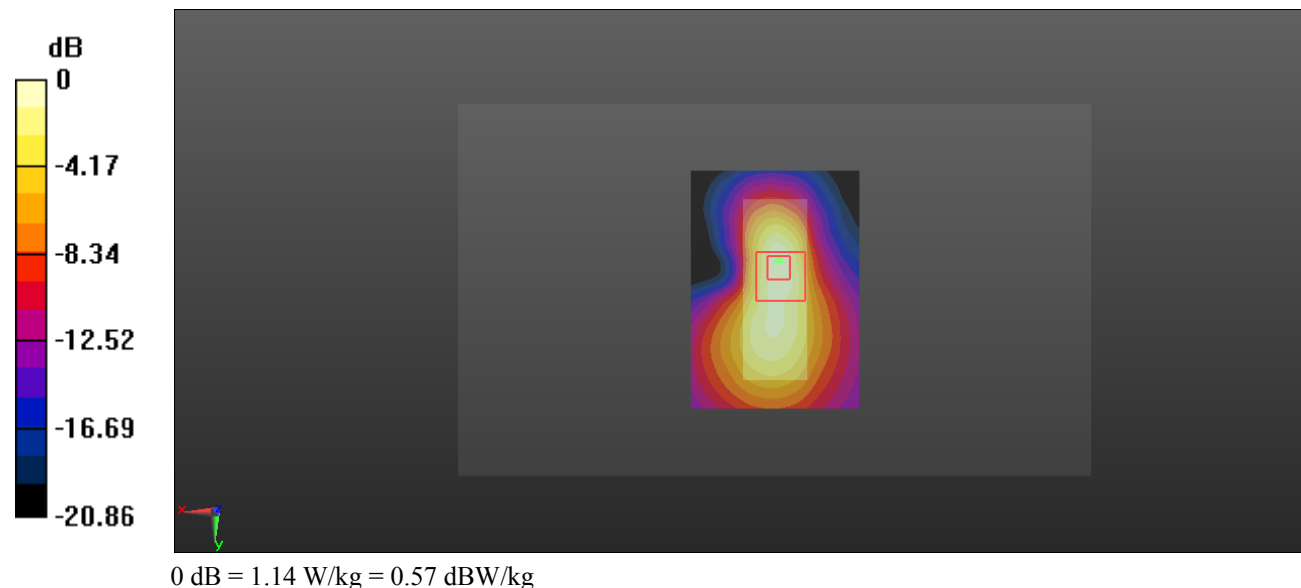
**Zoom Scan (5x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.70 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.42 W/kg

**SAR(1 g) = 0.708 W/kg; SAR(10 g) = 0.347 W/kg**

Maximum value of SAR (measured) = 1.14 W/kg



**Test Plot 54#: LTE Band 25\_Body Bottom\_50%RB\_Middle****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: Generic FDD-LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 1882.5$  MHz;  $\sigma = 1.501$  S/m;  $\epsilon_r = 52.857$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
 Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(7.7, 7.7, 7.7) @1882.5 MHz; 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: Serial: 1130
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (51x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.872 W/kg

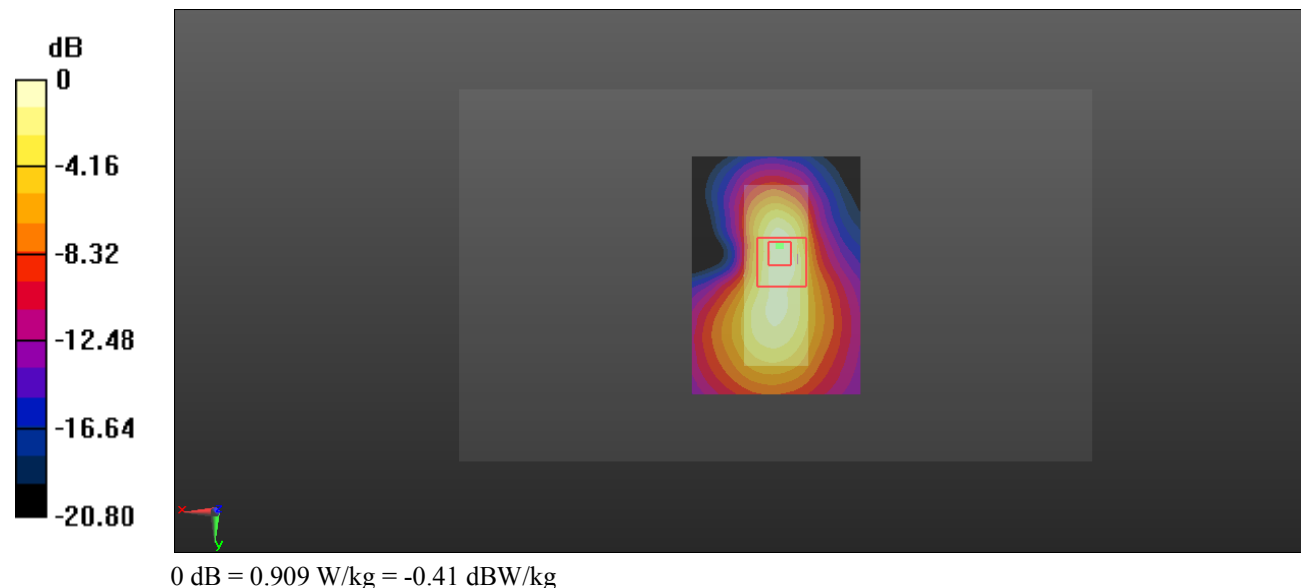
**Zoom Scan (5x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.88 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.14 W/kg

**SAR(1 g) = 0.573 W/kg; SAR(10 g) = 0.281 W/kg**

Maximum value of SAR (measured) = 0.909 W/kg



**Test Plot 55#: LTE Band 26&5\_Head Flat\_1RB\_Middle****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: Generic FDD-LTE; Frequency: 831.5 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 831.5$  MHz;  $\sigma = 0.89$  S/m;  $\epsilon_r = 40.911$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(10.01, 10.01, 10.01) @831.5 MHz; 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: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (121x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.0603 W/kg

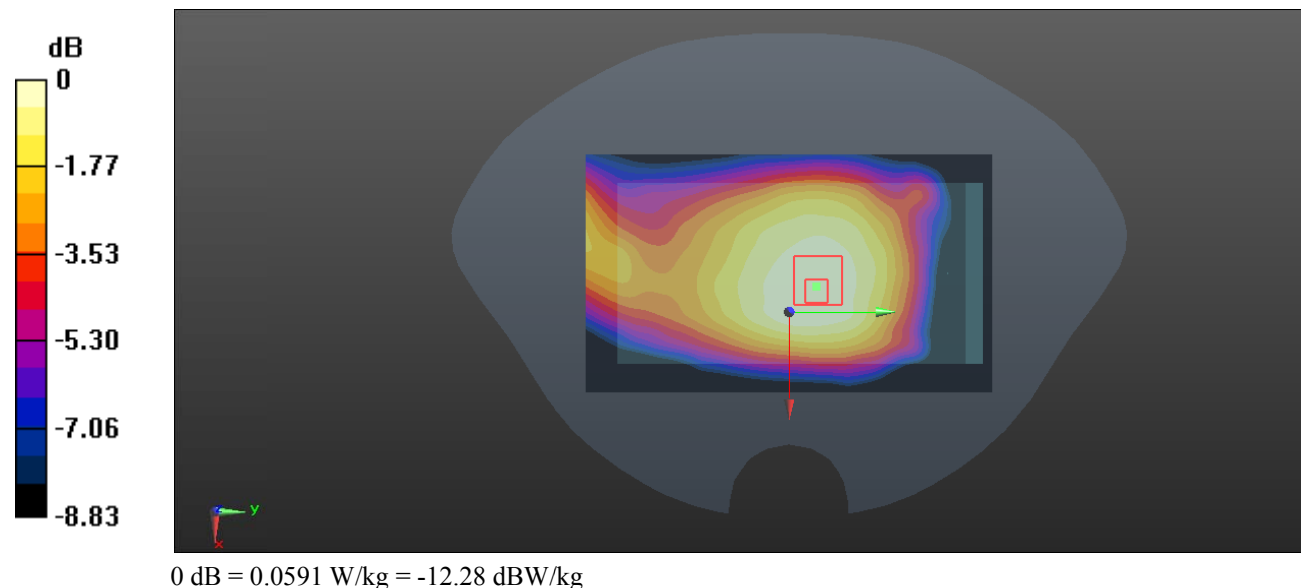
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.500 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.0660 W/kg

**SAR(1 g) = 0.048 W/kg; SAR(10 g) = 0.037 W/kg**

Maximum value of SAR (measured) = 0.0591 W/kg



**Test Plot 56#: LTE Band 26&5\_Head Flat\_50%RB\_Middle****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: Generic FDD-LTE; Frequency: 831.5 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 831.5$  MHz;  $\sigma = 0.89$  S/m;  $\epsilon_r = 40.911$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(10.01, 10.01, 10.01) @831.5 MHz; 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: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (121x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.0462 W/kg

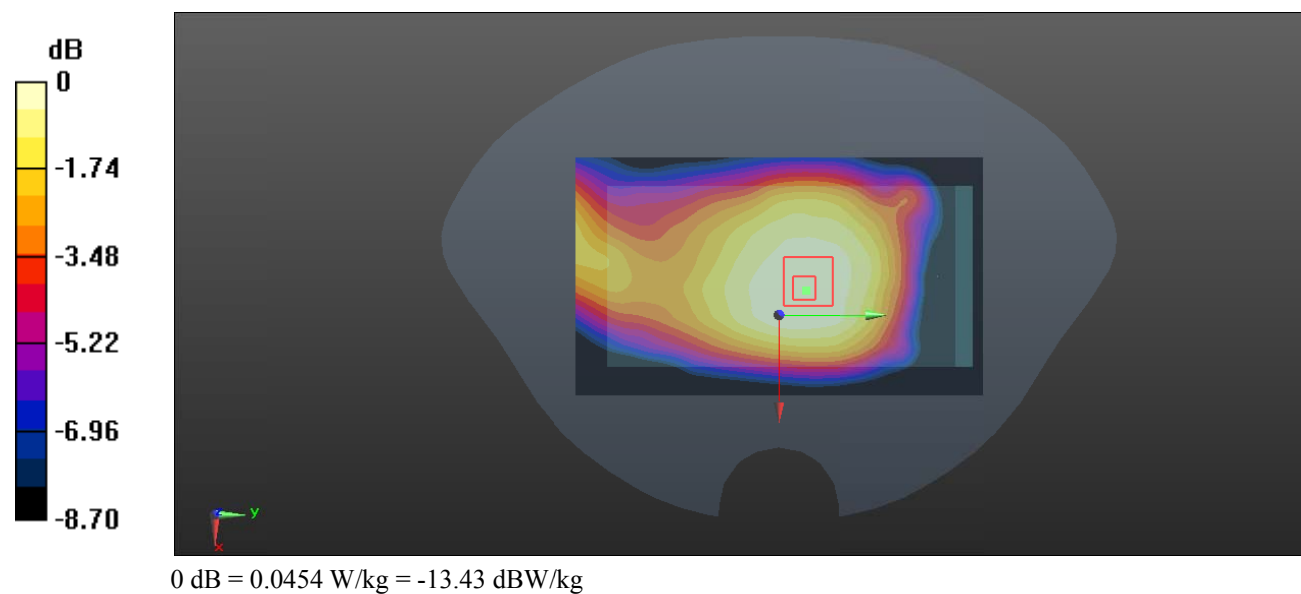
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.272 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.0500 W/kg

**SAR(1 g) = 0.037 W/kg; SAR(10 g) = 0.029 W/kg**

Maximum value of SAR (measured) = 0.0454 W/kg



**Test Plot 57#: LTE Band 26&5\_Body Back\_1RB\_Middle****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: Generic FDD-LTE; Frequency: 831.5 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 831.5$  MHz;  $\sigma = 0.975$  S/m;  $\epsilon_r = 55.321$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
 Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(10.23, 10.23, 10.23) @831.5 MHz; 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: Serial: 1130
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (121x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.0329 W/kg

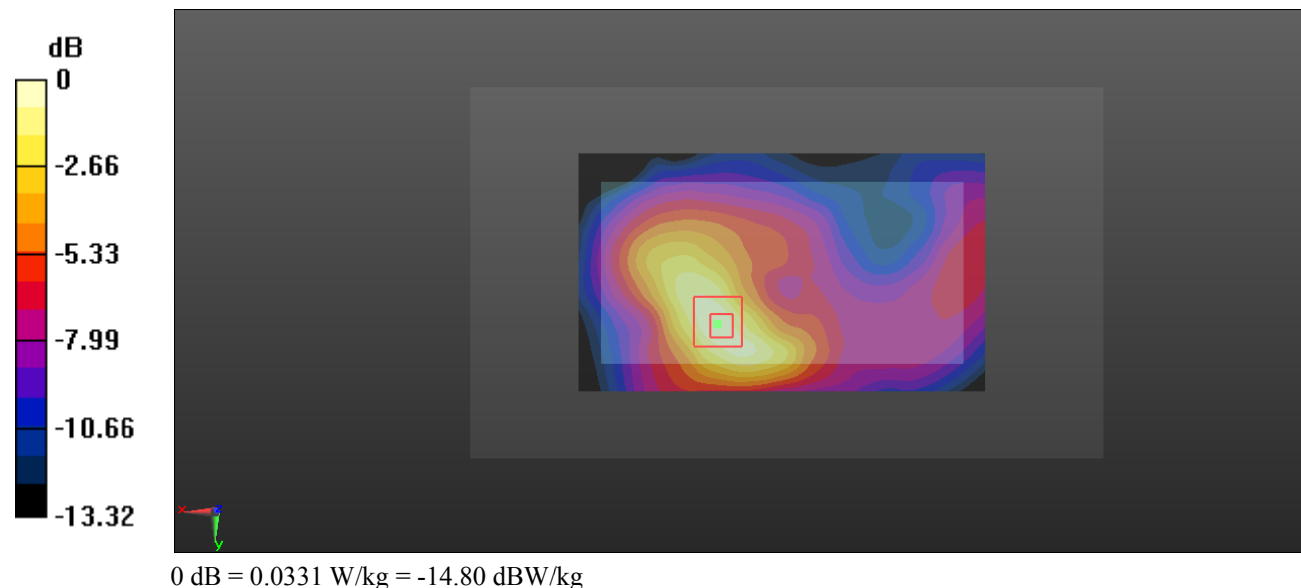
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.967 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.0380 W/kg

**SAR(1 g) = 0.025 W/kg; SAR(10 g) = 0.017 W/kg**

Maximum value of SAR (measured) = 0.0331 W/kg



**Test Plot 58#: LTE Band 26&5\_Body Back\_50%RB\_Middle****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: Generic FDD-LTE; Frequency: 831.5 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 831.5$  MHz;  $\sigma = 0.975$  S/m;  $\epsilon_r = 55.321$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
 Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(10.23, 10.23, 10.23) @831.5 MHz; 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: Serial: 1130
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (121x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

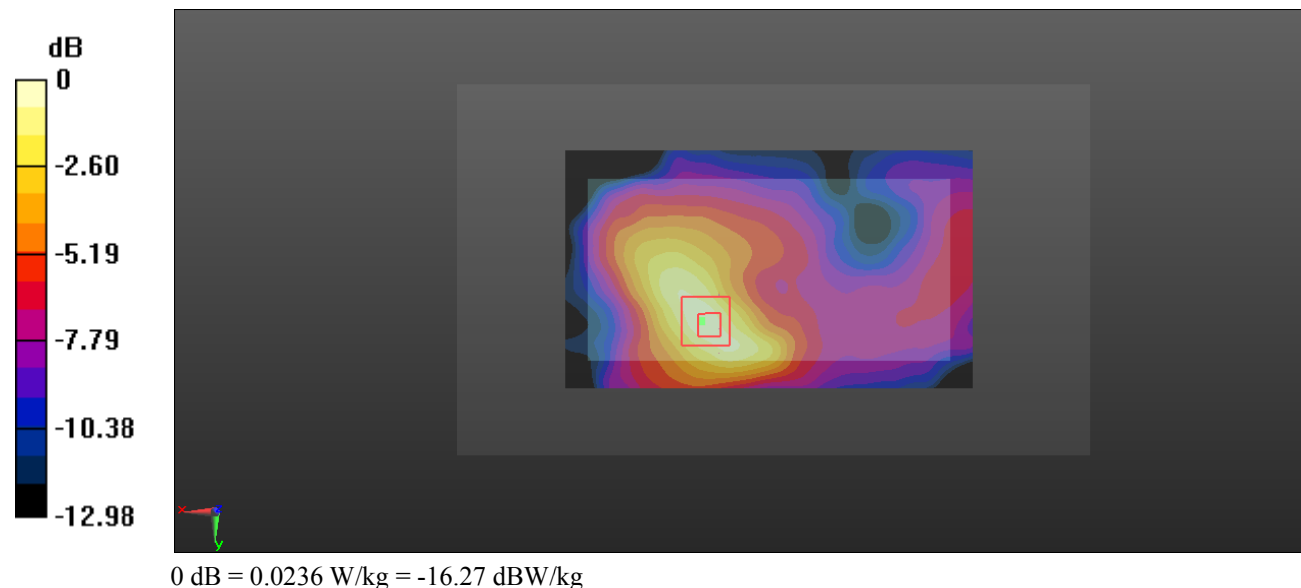
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.655 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.0280 W/kg

**SAR(1 g) = 0.018 W/kg; SAR(10 g) = 0.012 W/kg**

Maximum value of SAR (measured) = 0.0236 W/kg



**Test Plot 59#: LTE Band 26&5\_Body Left\_1RB\_Middle****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: Generic FDD-LTE; Frequency: 831.5 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 831.5$  MHz;  $\sigma = 0.975$  S/m;  $\epsilon_r = 55.321$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
 Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(10.23, 10.23, 10.23) @831.5 MHz; 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: Serial: 1130
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (121x51x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.0657 W/kg

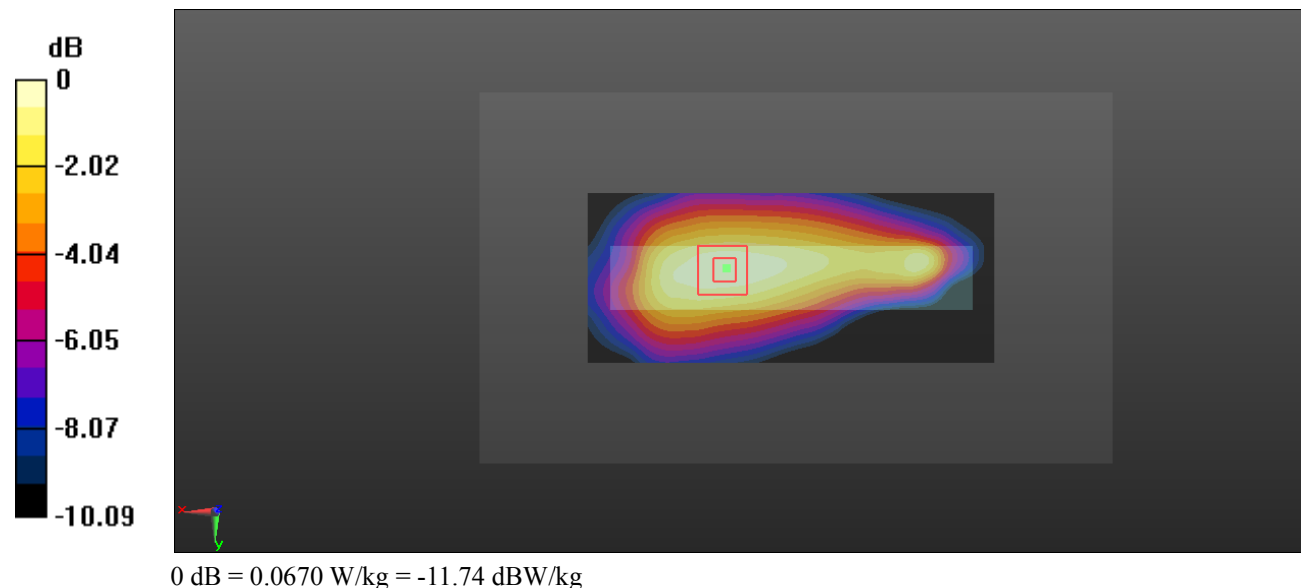
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.984 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.0750 W/kg

**SAR(1 g) = 0.053 W/kg; SAR(10 g) = 0.036 W/kg**

Maximum value of SAR (measured) = 0.0670 W/kg



**Test Plot 60#: LTE Band 26&5\_Body Left\_50%RB\_Middle****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: Generic FDD-LTE; Frequency: 831.5 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 831.5$  MHz;  $\sigma = 0.975$  S/m;  $\epsilon_r = 55.321$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
 Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(10.23, 10.23, 10.23) @831.5 MHz; 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: Serial: 1130
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (121x51x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.0566 W/kg

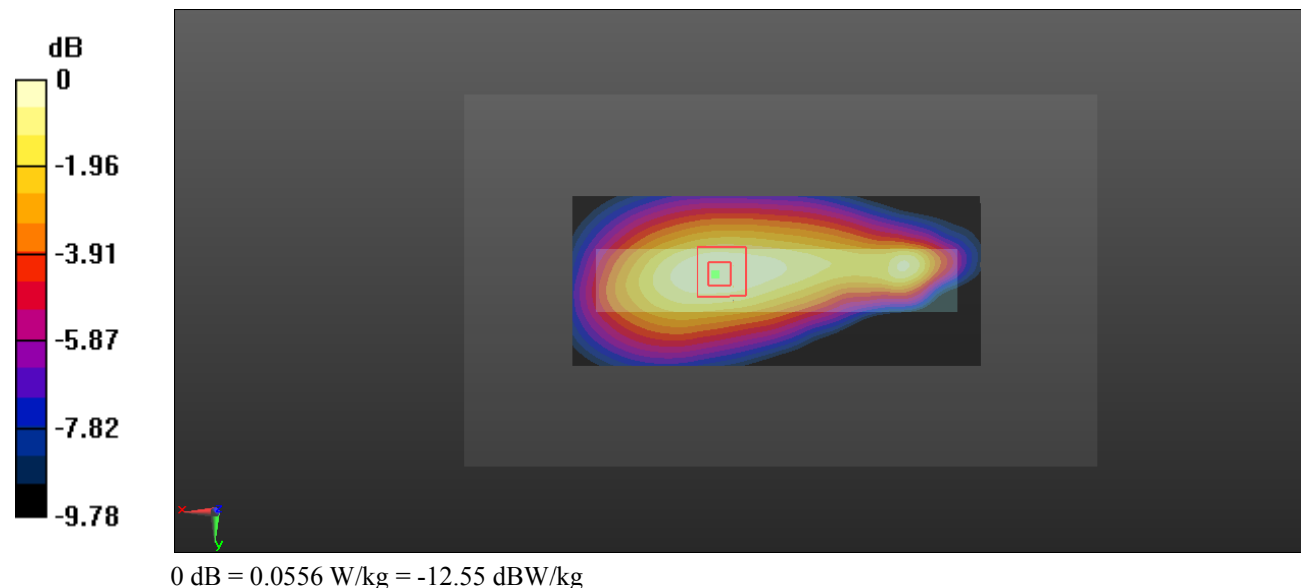
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.165 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.0630 W/kg

**SAR(1 g) = 0.042 W/kg; SAR(10 g) = 0.029 W/kg**

Maximum value of SAR (measured) = 0.0556 W/kg



**Test Plot 61#: LTE Band 26&5\_Body Bottom\_1RB\_Middle****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: Generic FDD-LTE; Frequency: 831.5 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 831.5$  MHz;  $\sigma = 0.975$  S/m;  $\epsilon_r = 55.321$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
 Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(10.23, 10.23, 10.23) @831.5 MHz; 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: Serial: 1130
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (51x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

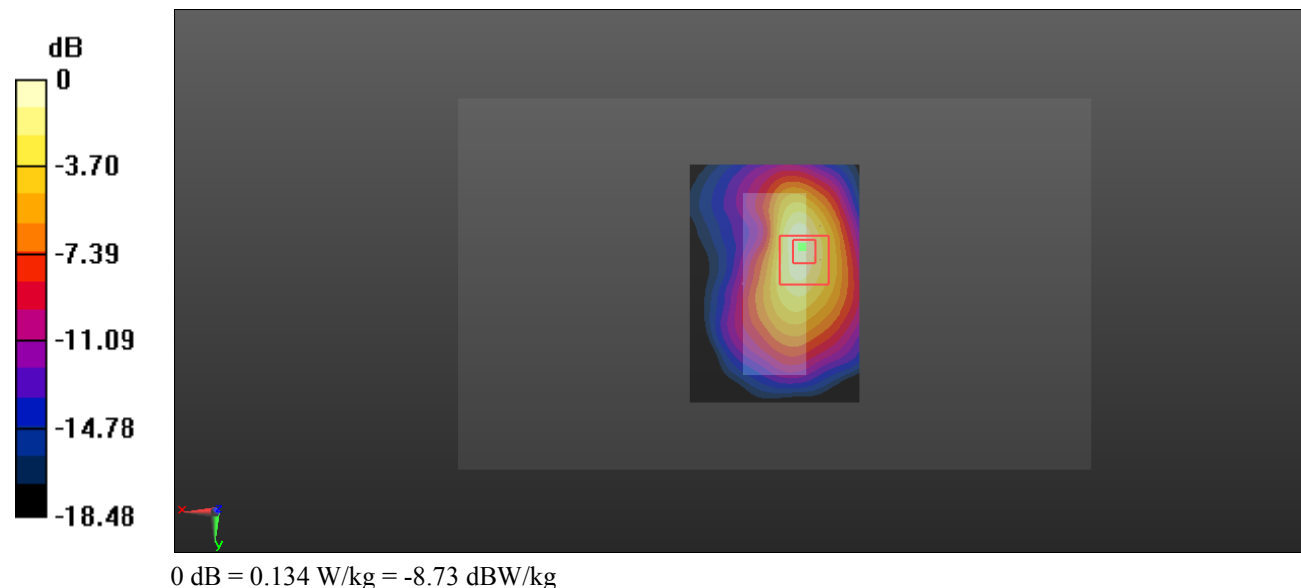
**Zoom Scan (5x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.658 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.166 W/kg

**SAR(1 g) = 0.086 W/kg; SAR(10 g) = 0.048 W/kg**

Maximum value of SAR (measured) = 0.134 W/kg



**Test Plot 62#: LTE Band 26&5\_Body Bottom\_50%RB\_Middle****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: Generic FDD-LTE; Frequency: 831.5 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 831.5$  MHz;  $\sigma = 0.975$  S/m;  $\epsilon_r = 55.321$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
 Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(10.23, 10.23, 10.23) @831.5 MHz; 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: Serial: 1130
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (51x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

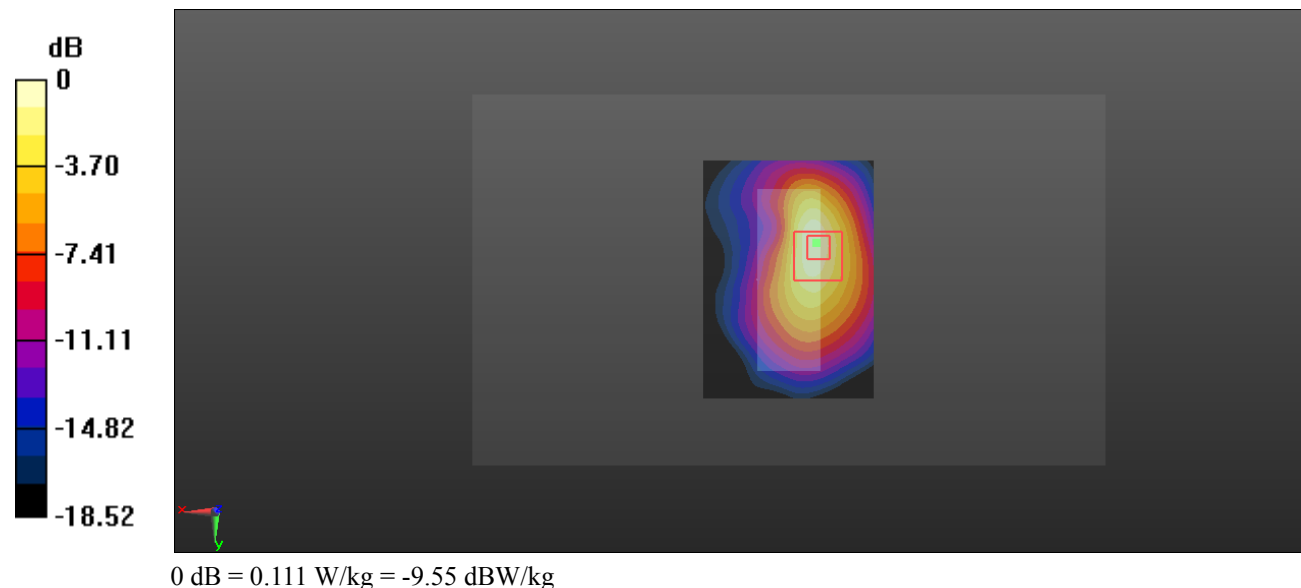
**Zoom Scan (5x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.165 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.136 W/kg

**SAR(1 g) = 0.071 W/kg; SAR(10 g) = 0.040 W/kg**

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



**Test Plot 63#: LTE Band 41&38\_Head Flat\_1RB\_Middle****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: Generic TDD-LTE; Frequency: 2600 MHz; Duty Cycle: 1:2

Medium parameters used:  $f = 2600$  MHz;  $\sigma = 1.903$  S/m;  $\epsilon_r = 40.1$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(7.38, 7.38, 7.38) @2600 MHz; 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: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (151x91x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0531 W/kg

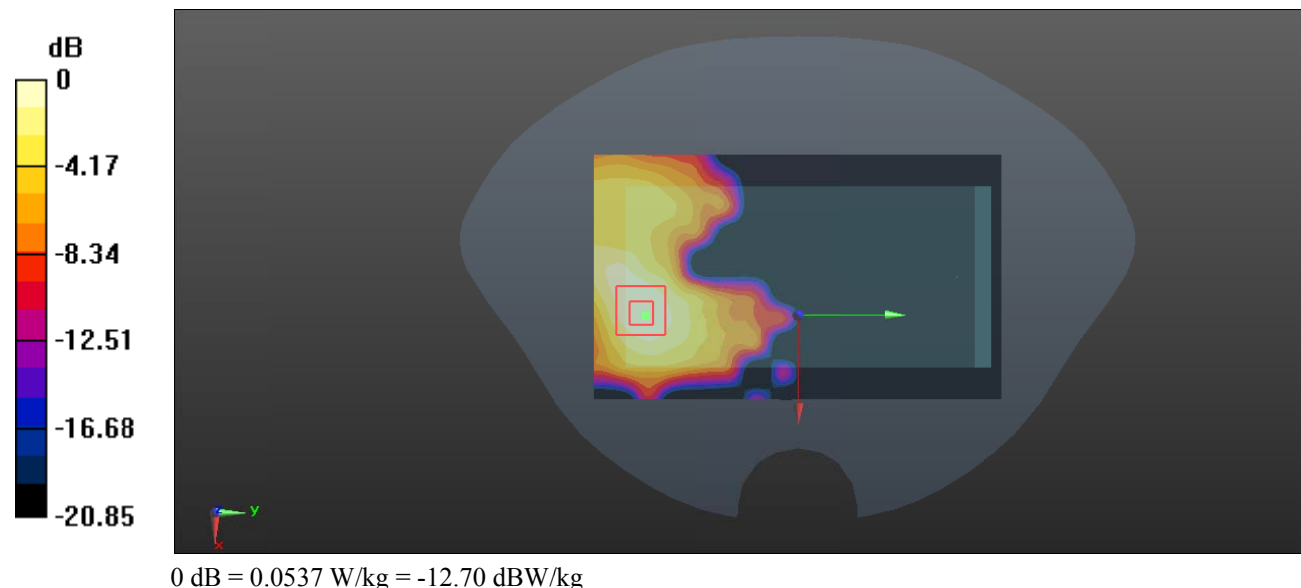
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0.5380 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.0670 W/kg

**SAR(1 g) = 0.035 W/kg; SAR(10 g) = 0.019 W/kg**

Maximum value of SAR (measured) = 0.0537 W/kg



**Test Plot 64#: LTE Band 41&38\_Head Flat\_50%RB\_Middle****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: Generic TDD-LTE; Frequency: 2600 MHz; Duty Cycle: 1:2

Medium parameters used:  $f = 2600$  MHz;  $\sigma = 1.903$  S/m;  $\epsilon_r = 40.1$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(7.38, 7.38, 7.38) @2600 MHz; 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: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (151x91x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0421 W/kg

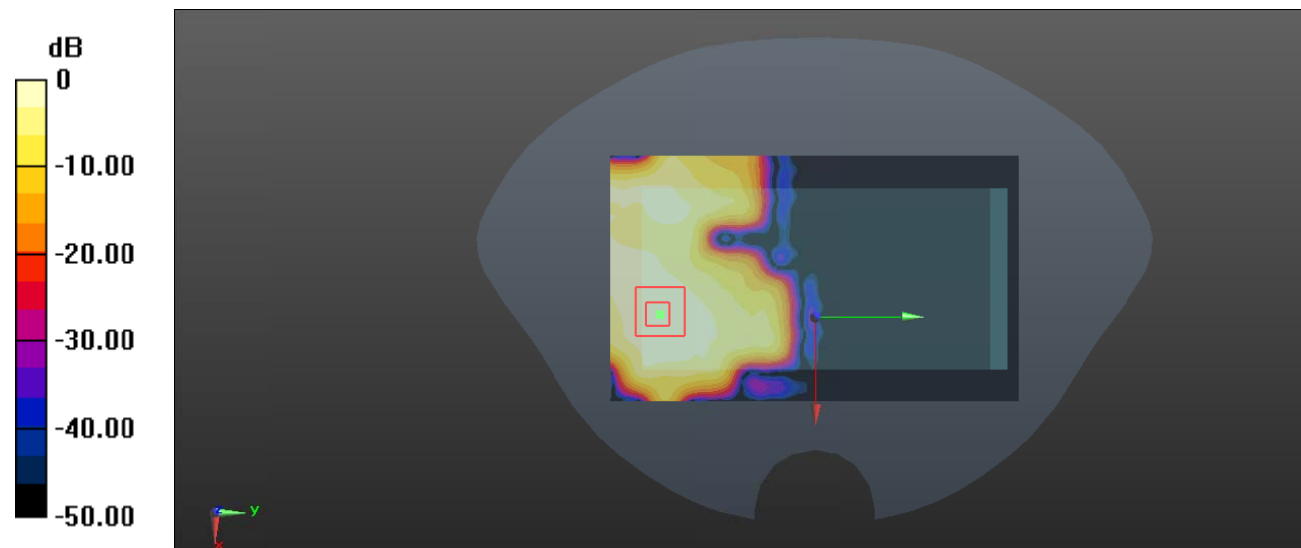
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0.7560 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.0500 W/kg

**SAR(1 g) = 0.027 W/kg; SAR(10 g) = 0.014 W/kg**

Maximum value of SAR (measured) = 0.0408 W/kg



0 dB = 0.0408 W/kg = -13.89 dBW/kg

**Test Plot 65#: LTE Band 41&38\_Body Back\_1RB\_Middle****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: Generic TDD-LTE; Frequency: 2600 MHz; Duty Cycle: 1:2  
 Medium parameters used:  $f = 2600$  MHz;  $\sigma = 2.127$  S/m;  $\epsilon_r = 54.219$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
 Phantom section: Center Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(7.12, 7.12, 7.12) @2600 MHz; 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: Serial: 1130
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (151x91x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0276 W/kg

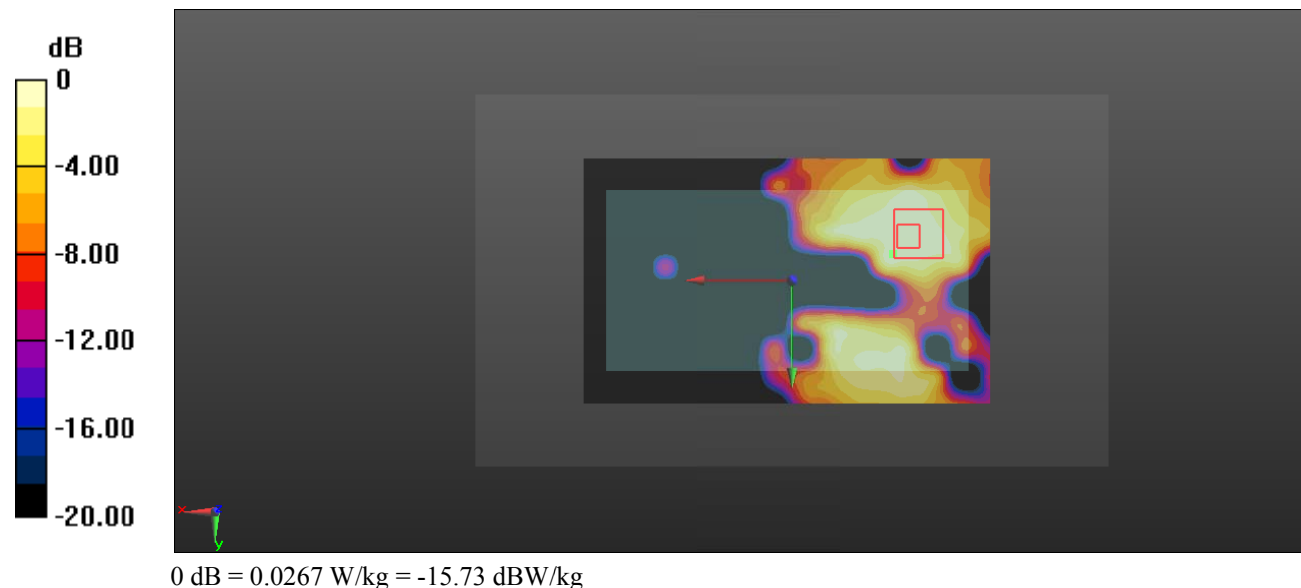
**Zoom Scan (6x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0.7270 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.0840 W/kg

**SAR(1 g) = 0.017 W/kg; SAR(10 g) = 0.0077 W/kg**

Maximum value of SAR (measured) = 0.0267 W/kg



**Test Plot 66#: LTE Band 41&38\_Body Back\_50%RB\_Middle****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: Generic TDD-LTE; Frequency: 2600 MHz; Duty Cycle: 1:2  
 Medium parameters used:  $f = 2600$  MHz;  $\sigma = 2.127$  S/m;  $\epsilon_r = 54.219$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
 Phantom section: Center Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(7.12, 7.12, 7.12) @2600 MHz; 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: Serial: 1130
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (151x91x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0297 W/kg

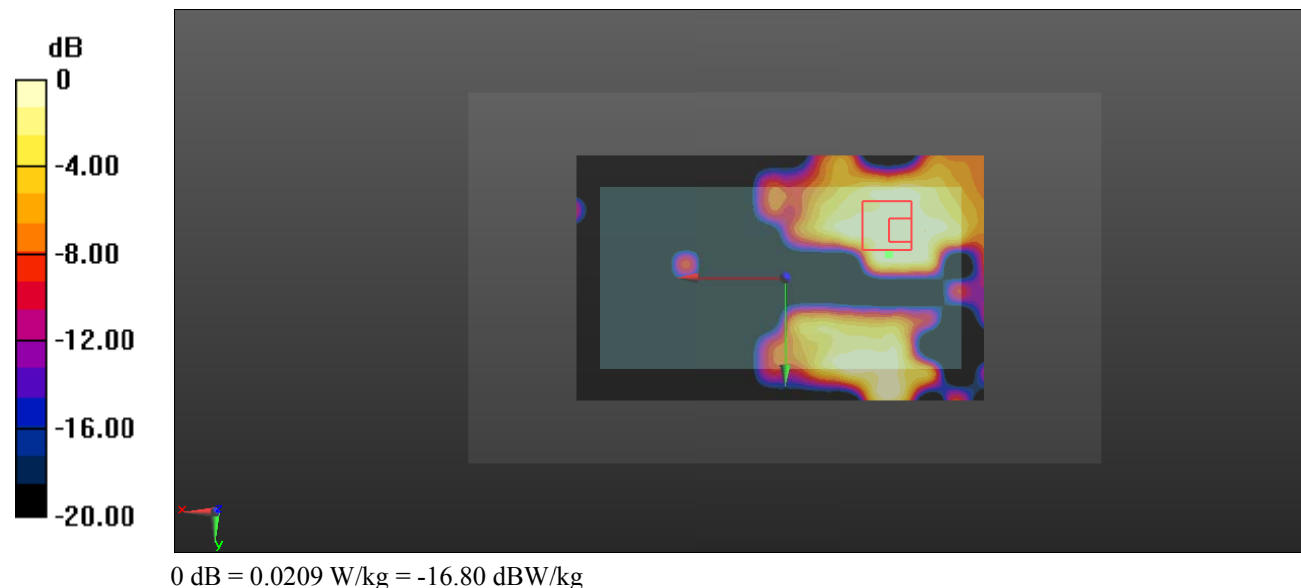
**Zoom Scan (6x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0.8140 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.0280 W/kg

**SAR(1 g) = 0.013 W/kg; SAR(10 g) = 0.00524 W/kg**

Maximum value of SAR (measured) = 0.0209 W/kg



**Test Plot 67#: LTE Band 41&38\_Body Left\_1RB\_Middle****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: Generic TDD-LTE; Frequency: 2600 MHz; Duty Cycle: 1:2  
 Medium parameters used:  $f = 2600$  MHz;  $\sigma = 2.127$  S/m;  $\epsilon_r = 54.219$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
 Phantom section: Center Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(7.12, 7.12, 7.12) @2600 MHz; 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: Serial: 1130
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (151x61x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0512 W/kg

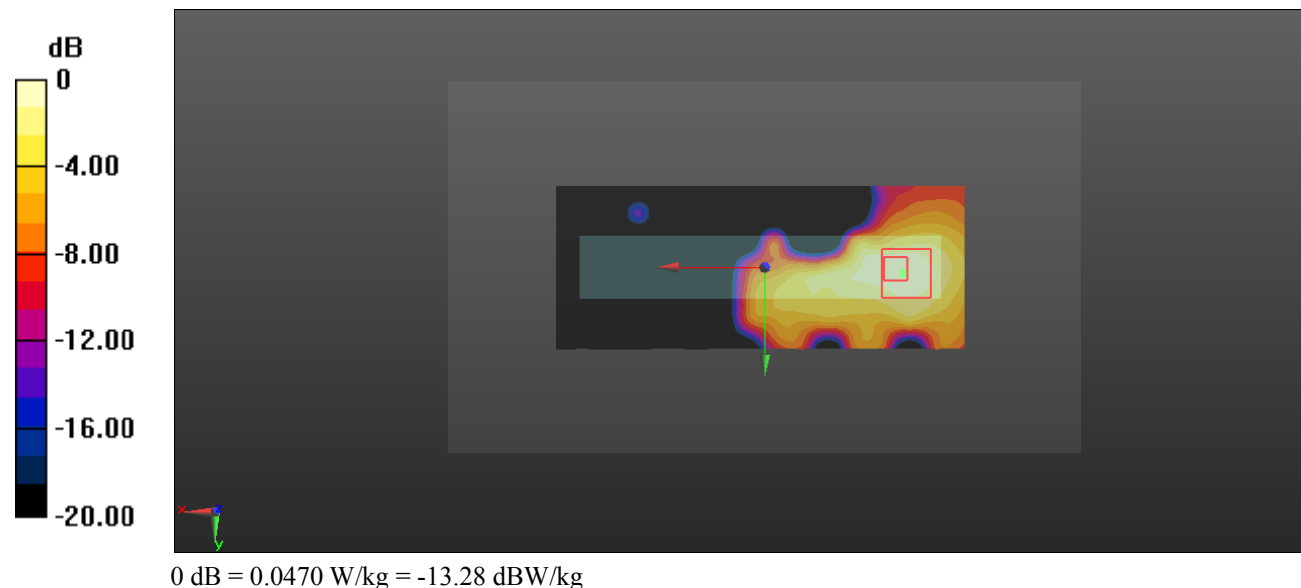
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.917 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.0610 W/kg

**SAR(1 g) = 0.032 W/kg; SAR(10 g) = 0.015 W/kg**

Maximum value of SAR (measured) = 0.0470 W/kg



**Test Plot 68#: LTE Band 41&38\_Body Left\_50%RB\_Middle****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: Generic TDD-LTE; Frequency: 2600 MHz; Duty Cycle: 1:2  
 Medium parameters used:  $f = 2600$  MHz;  $\sigma = 2.127$  S/m;  $\epsilon_r = 54.219$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
 Phantom section: Center Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(7.12, 7.12, 7.12) @2600 MHz; 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: Serial: 1130
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (151x61x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0308 W/kg

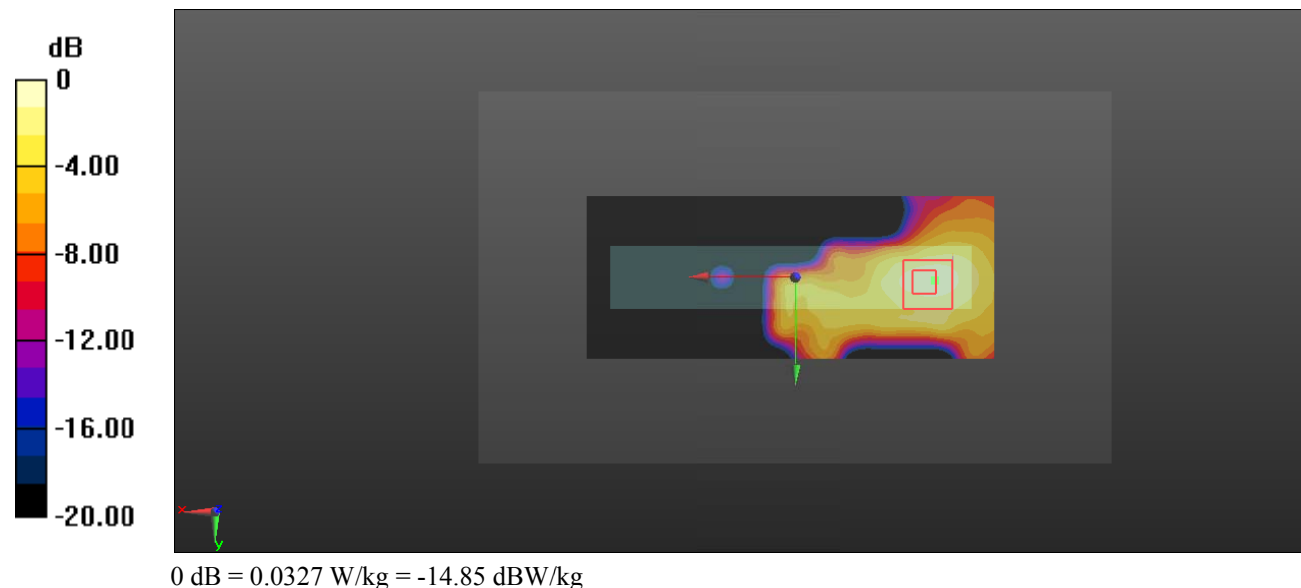
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.609 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.0420 W/kg

**SAR(1 g) = 0.021 W/kg; SAR(10 g) = 0.00967 W/kg**

Maximum value of SAR (measured) = 0.0327 W/kg



**Test Plot 69#: LTE Band 41&38\_Body Bottom\_1RB\_Middle****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: Generic TDD-LTE; Frequency: 2600 MHz; Duty Cycle: 1:2  
 Medium parameters used:  $f = 2600$  MHz;  $\sigma = 2.127$  S/m;  $\epsilon_r = 54.219$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
 Phantom section: Center Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(7.12, 7.12, 7.12) @2600 MHz; 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: Serial: 1130
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (61x91x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.273 W/kg

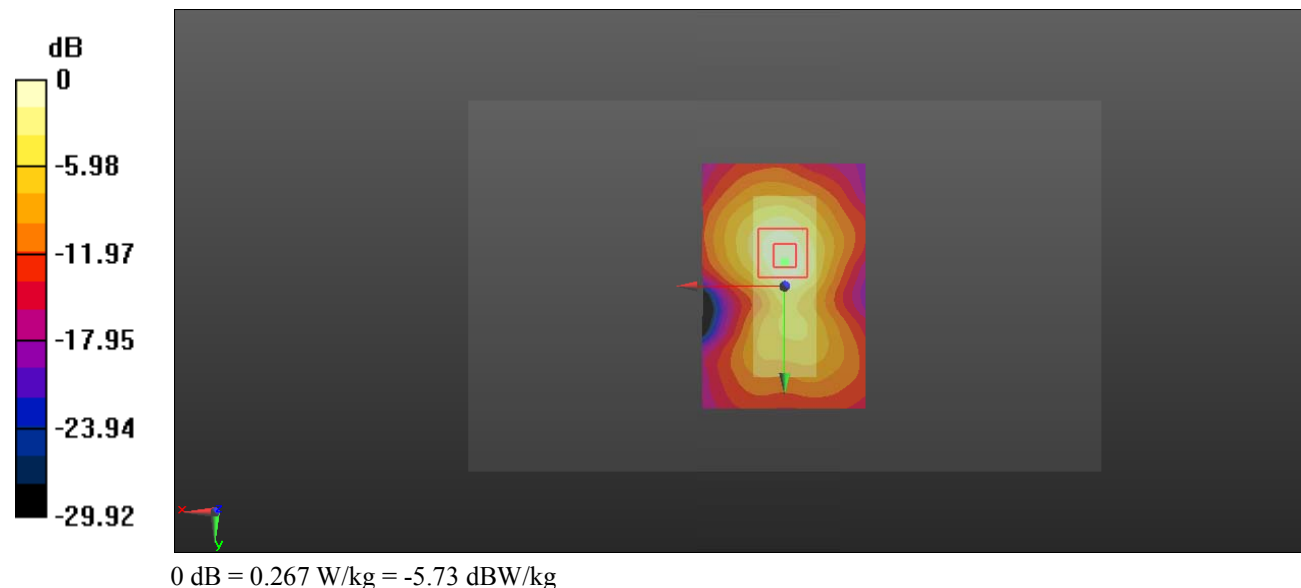
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.743 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.337 W/kg

**SAR(1 g) = 0.161 W/kg; SAR(10 g) = 0.074 W/kg**

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



**Test Plot 70#: LTE Band 41&38\_Body Bottom\_50%RB\_Middle****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: Generic TDD-LTE; Frequency: 2600 MHz; Duty Cycle: 1:2  
 Medium parameters used:  $f = 2600$  MHz;  $\sigma = 2.127$  S/m;  $\epsilon_r = 54.219$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
 Phantom section: Center Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(7.12, 7.12, 7.12) @2600 MHz; 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: Serial: 1130
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (61x91x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.227 W/kg

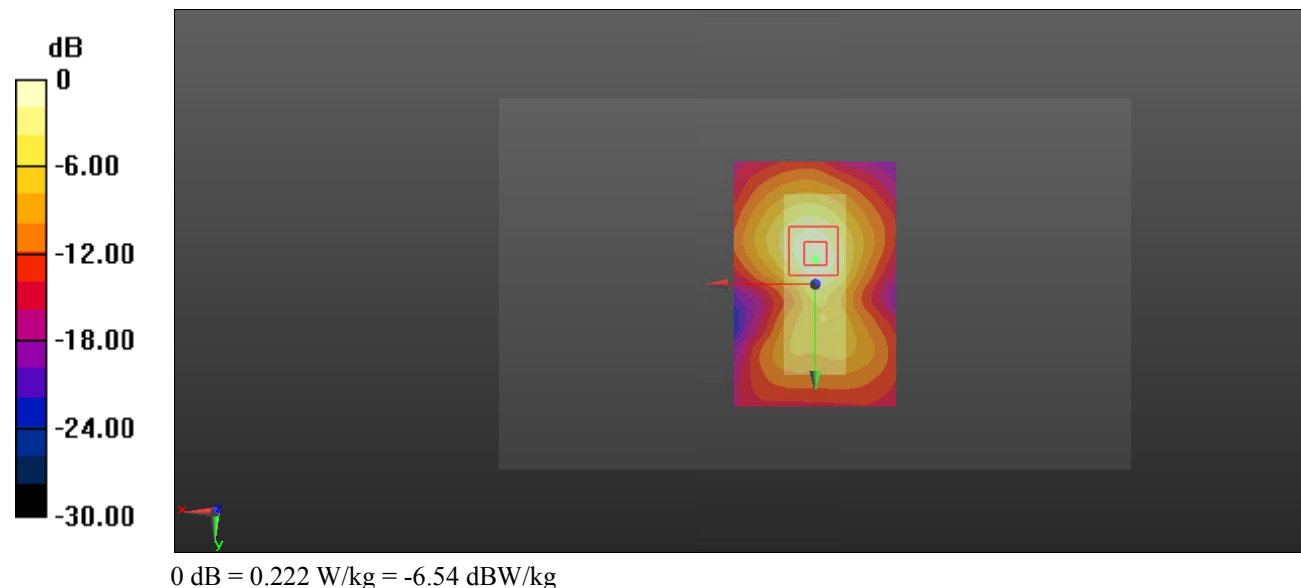
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.393 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.280 W/kg

**SAR(1 g) = 0.133 W/kg; SAR(10 g) = 0.061 W/kg**

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



**Test Plot 71#: WLAN 2.4G Mode B\_ Head Left Cheek Chain 0\_Mid****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: IEEE 802.11b; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.799$  S/m;  $\epsilon_r = 40.227$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(7.62, 7.62, 7.62) @ 2437 MHz; 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: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (161x91x1):** Interpolated grid:  $dx=1.200$  mm,  $dy=1.200$  mm

Maximum value of SAR (interpolated) = 0.488 W/kg

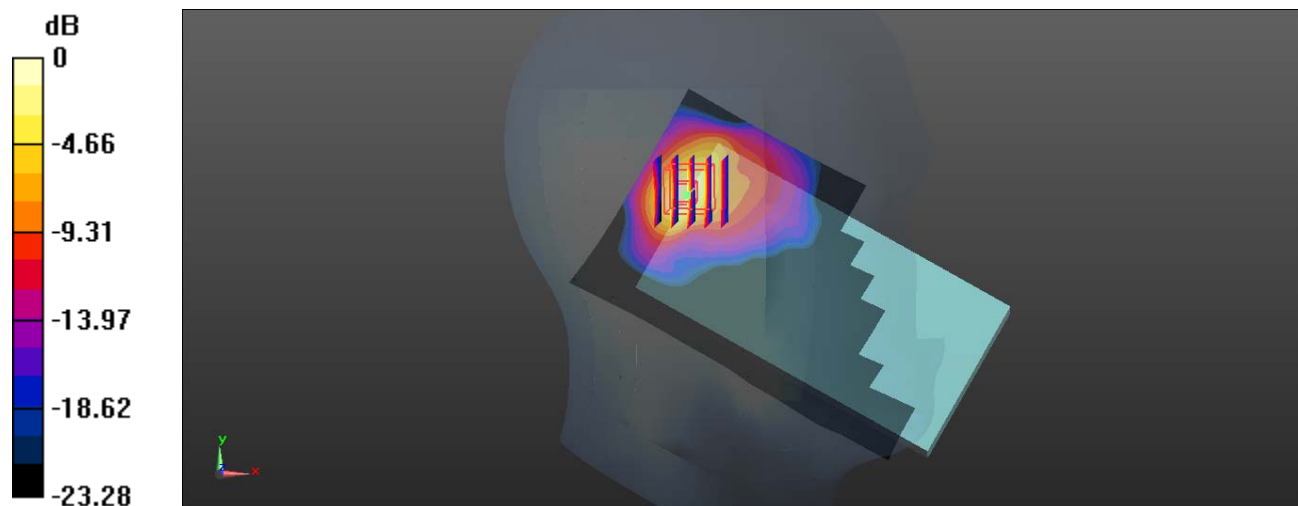
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 7.848 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.587 W/kg

**SAR(1 g) = 0.276 W/kg; SAR(10 g) = 0.120 W/kg**

Maximum value of SAR (measured) = 0.474 W/kg



0 dB = 0.474 W/kg = -3.24 dBW/kg

**Test Plot 72#: WLAN 2.4G Mode B\_ Head Left Tilt Chain 0\_Mid****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: IEEE 802.11b; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.799$  S/m;  $\epsilon_r = 40.227$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(7.62, 7.62, 7.62) @ 2437 MHz; 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: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (161x91x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

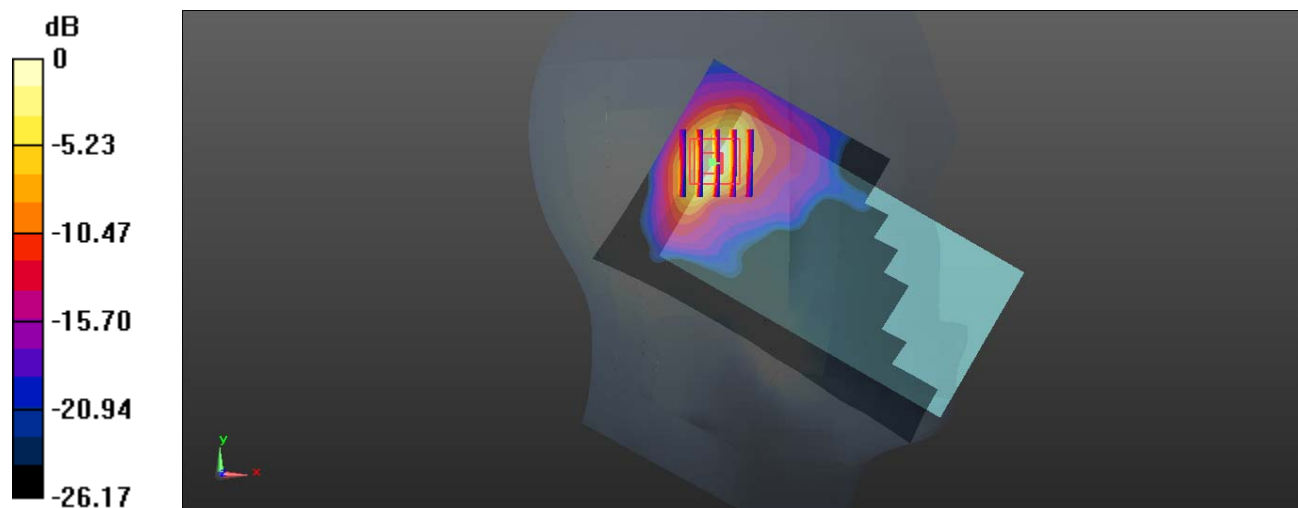
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.388 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.639 W/kg

**SAR(1 g) = 0.295 W/kg; SAR(10 g) = 0.126 W/kg**

Maximum value of SAR (measured) = 0.515 W/kg



0 dB = 0.515 W/kg = -2.88 dBW/kg

**Test Plot 73#: WLAN 2.4G Mode B\_ Head Right Cheek Chain 0\_Mid****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: IEEE 802.11b; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.954$  S/m;  $\epsilon_r = 54.343$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(7.62, 7.62, 7.62) @ 2437 MHz; 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: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (151x91x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.375 W/kg

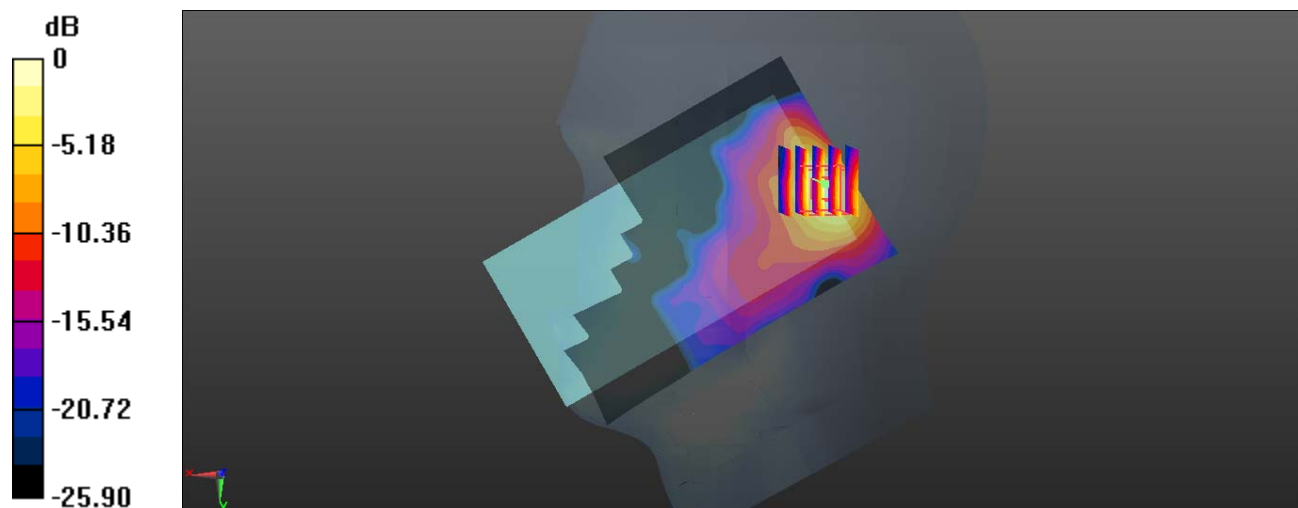
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.462 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.460 W/kg

**SAR(1 g) = 0.215 W/kg; SAR(10 g) = 0.096 W/kg**

Maximum value of SAR (measured) = 0.358 W/kg



0 dB = 0.358 W/kg = -4.46 dBW/kg

**Test Plot 74#: WLAN 2.4G Mode B\_ Head Right Tilt Chain 0\_Mid****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: IEEE 802.11b; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.954$  S/m;  $\epsilon_r = 54.343$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(7.62, 7.62, 7.62) @ 2437 MHz; 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: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (151x91x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.373 W/kg

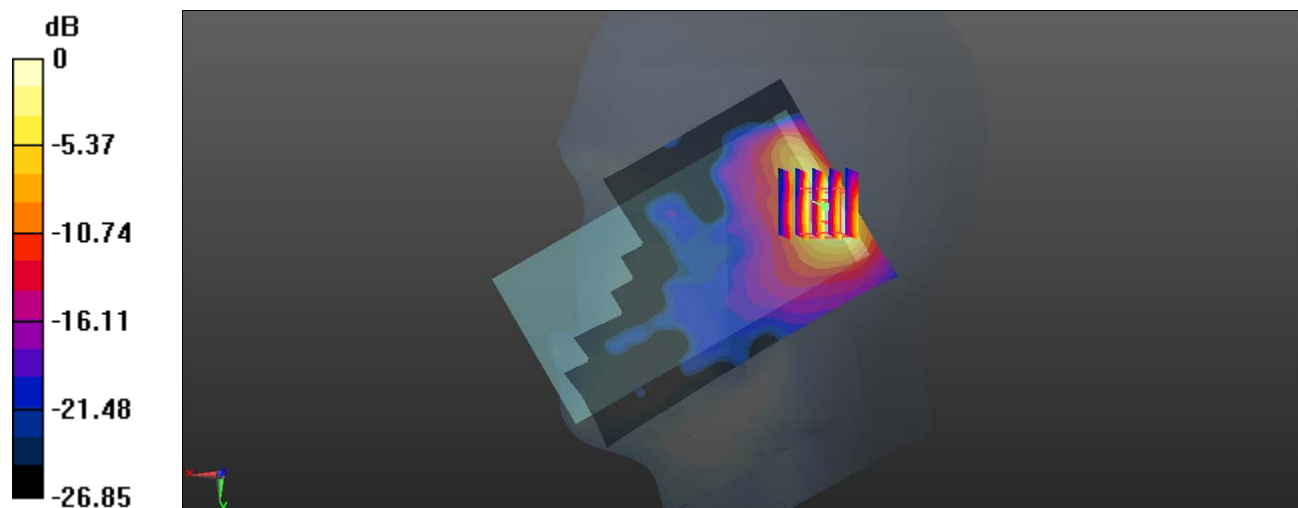
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.810 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.462 W/kg

**SAR(1 g) = 0.219 W/kg; SAR(10 g) = 0.098 W/kg**

Maximum value of SAR (measured) = 0.358 W/kg



0 dB = 0.358 W/kg = -4.46 dBW/kg

**Test Plot 75#: WLAN 2.4G Mode B\_ Body Back Chain 0\_Mid****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: IEEE 802.11b; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.954$  S/m;  $\epsilon_r = 54.343$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Center Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(7.47, 7.47, 7.47) @ 2437 MHz; 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 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (151x91x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0289 W/kg

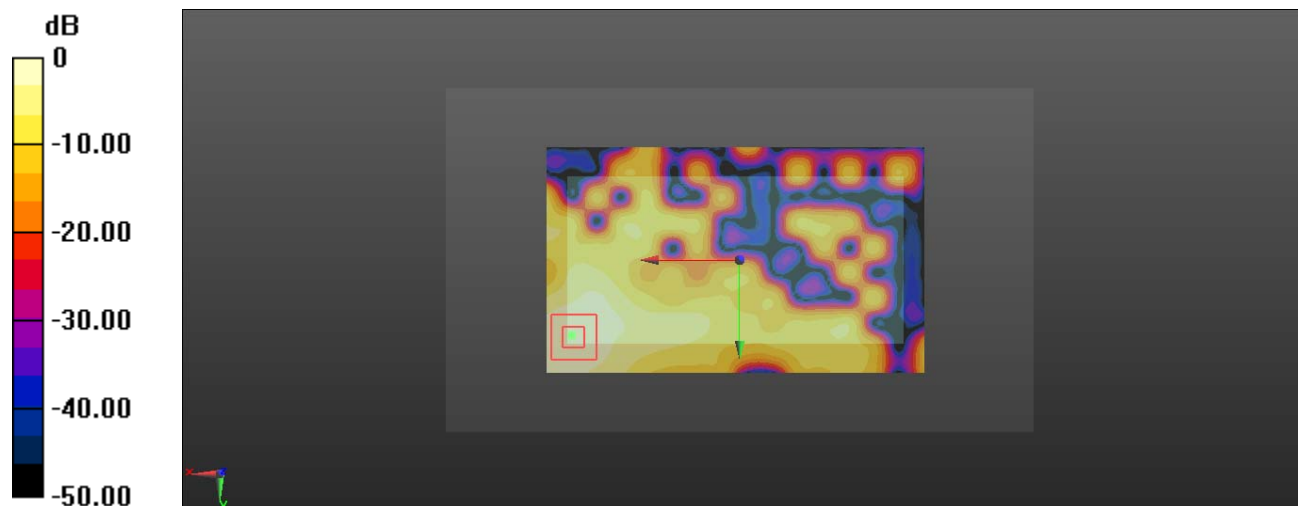
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0.8170 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.0340 W/kg

**SAR(1 g) = 0.018 W/kg; SAR(10 g) = 0.010 W/kg**

Maximum value of SAR (measured) = 0.0271 W/kg



0 dB = 0.0271 W/kg = -15.67 dBW/kg

**Test Plot 76#: WLAN 2.4G Mode B\_ Body Top Chain 0\_Mid****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: IEEE 802.11b; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.954$  S/m;  $\epsilon_r = 54.343$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Center Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(7.47, 7.47, 7.47) @ 2437 MHz; 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 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (61x91x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0963 W/kg

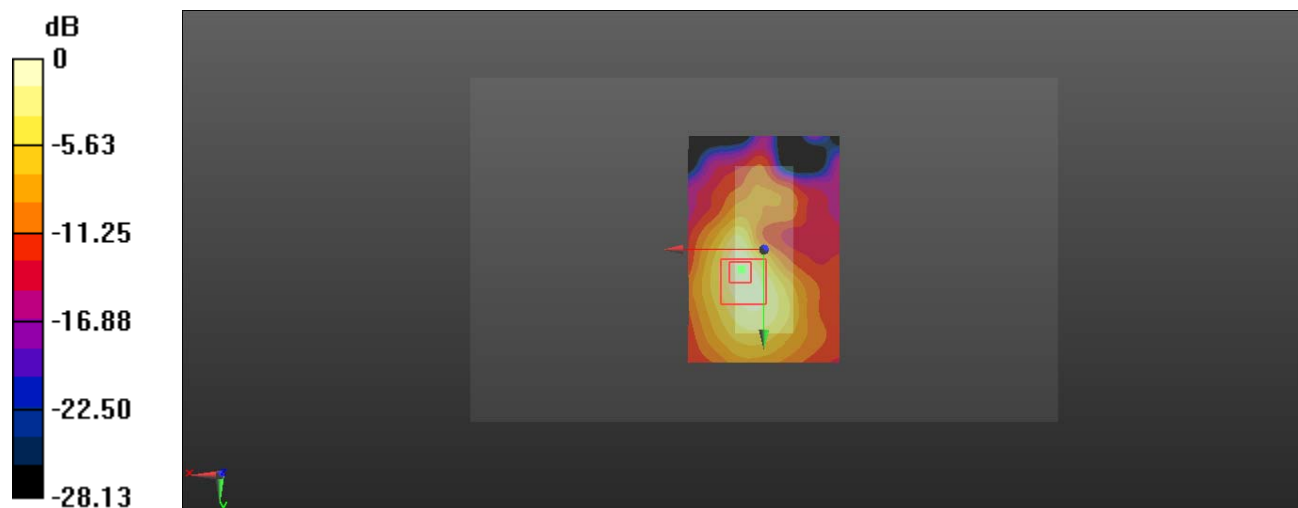
**Zoom Scan (6x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.782 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.116 W/kg

**SAR(1 g) = 0.056 W/kg; SAR(10 g) = 0.027 W/kg**

Maximum value of SAR (measured) = 0.0925 W/kg



0 dB = 0.0925 W/kg = -10.34 dBW/kg

**Test Plot 77#: WLAN 2.4G Mode B\_ Head Left Cheek Chain 1\_Mid****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: IEEE 802.11b; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.799$  S/m;  $\epsilon_r = 40.227$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(7.62, 7.62, 7.62) @ 2437 MHz; 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: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (151x91x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

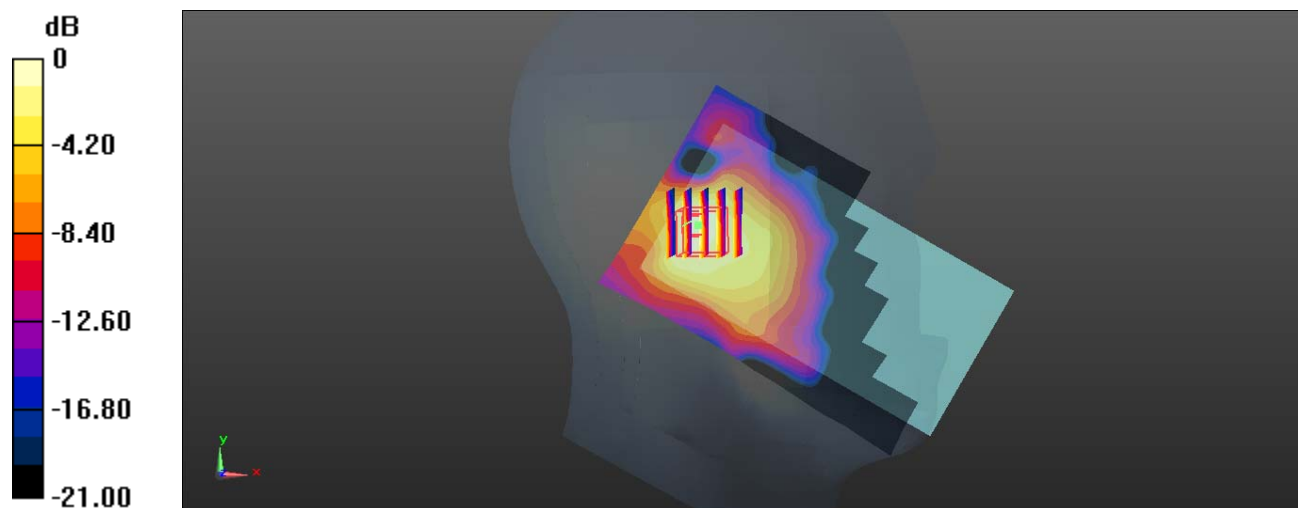
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.846 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.203 W/kg

**SAR(1 g) = 0.104 W/kg; SAR(10 g) = 0.054 W/kg**

Maximum value of SAR (measured) = 0.148 W/kg



0 dB = 0.148 W/kg = -8.30 dBW/kg

**Test Plot 78#: WLAN 2.4G Mode B\_ Head Left Tilt Chain 1\_Mid****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: IEEE 802.11b; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.799$  S/m;  $\epsilon_r = 40.227$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(7.62, 7.62, 7.62) @ 2437 MHz; 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: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (151x91x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.121 W/kg

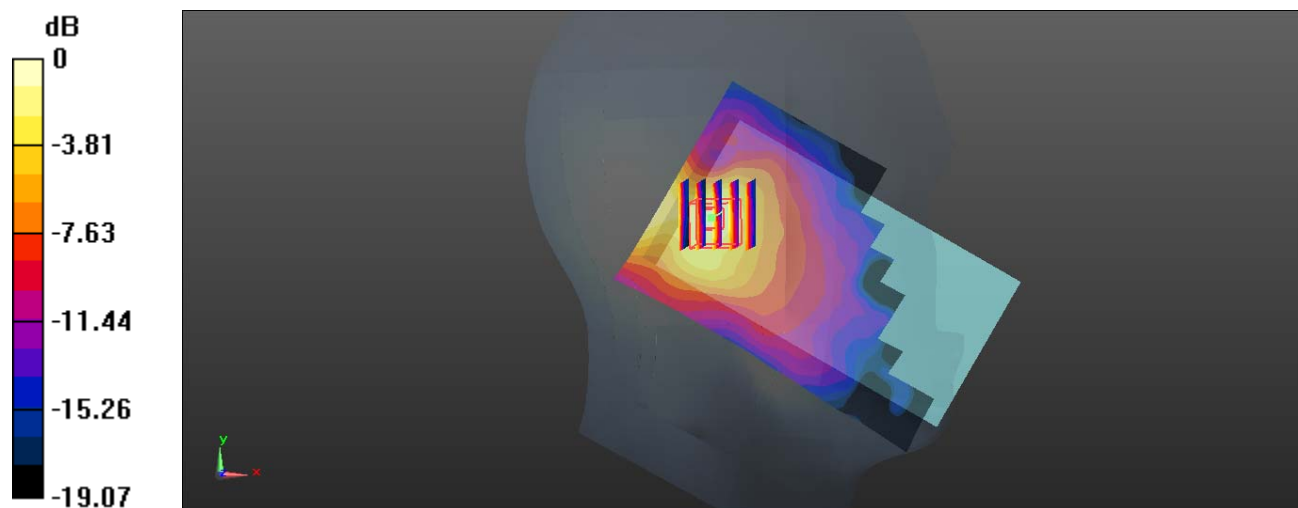
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.130 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.148 W/kg

**SAR(1 g) = 0.075 W/kg; SAR(10 g) = 0.038 W/kg**

Maximum value of SAR (measured) = 0.122 W/kg



0 dB = 0.122 W/kg = -9.14 dBW/kg

**Test Plot 79#: WLAN 2.4G Mode B\_ Head Right Cheek Chain 1\_Mid****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: IEEE 802.11b; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.799$  S/m;  $\epsilon_r = 40.227$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(7.62, 7.62, 7.62) @ 2437 MHz; 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: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (151x91x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.281 W/kg

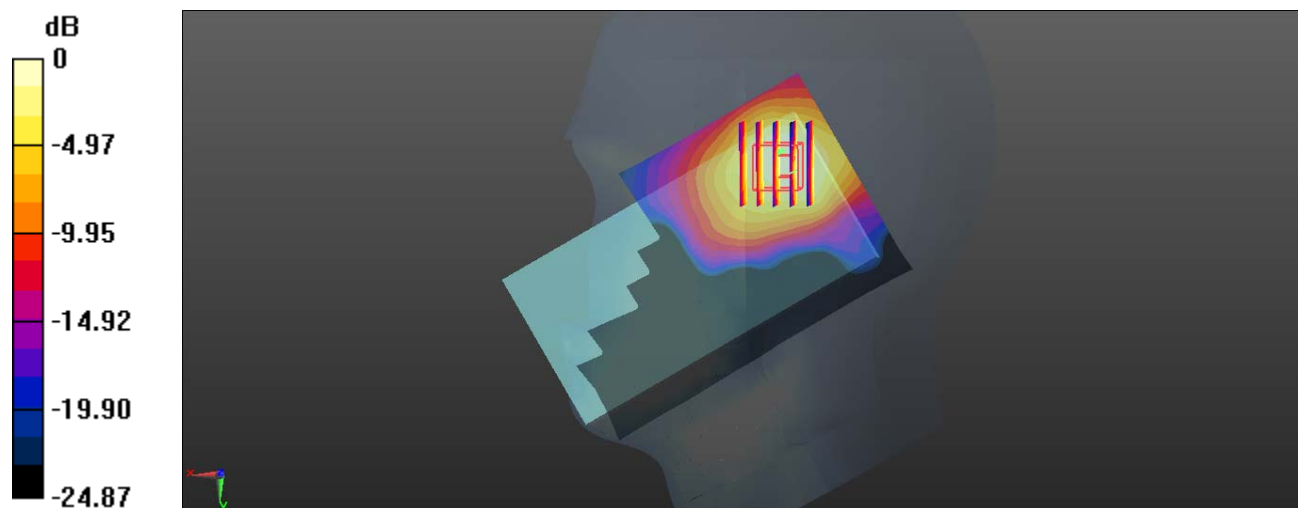
**Zoom Scan (5x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.06 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.306 W/kg

**SAR(1 g) = 0.182 W/kg; SAR(10 g) = 0.100 W/kg**

Maximum value of SAR (measured) = 0.257 W/kg



0 dB = 0.257 W/kg = -5.90 dBW/kg

**Test Plot 80#: WLAN 2.4G Mode B\_ Head Right Tilt Chain 1\_Mid****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: IEEE 802.11b; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.799$  S/m;  $\epsilon_r = 40.227$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(7.62, 7.62, 7.62) @ 2437 MHz; 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: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (151x91x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.232 W/kg

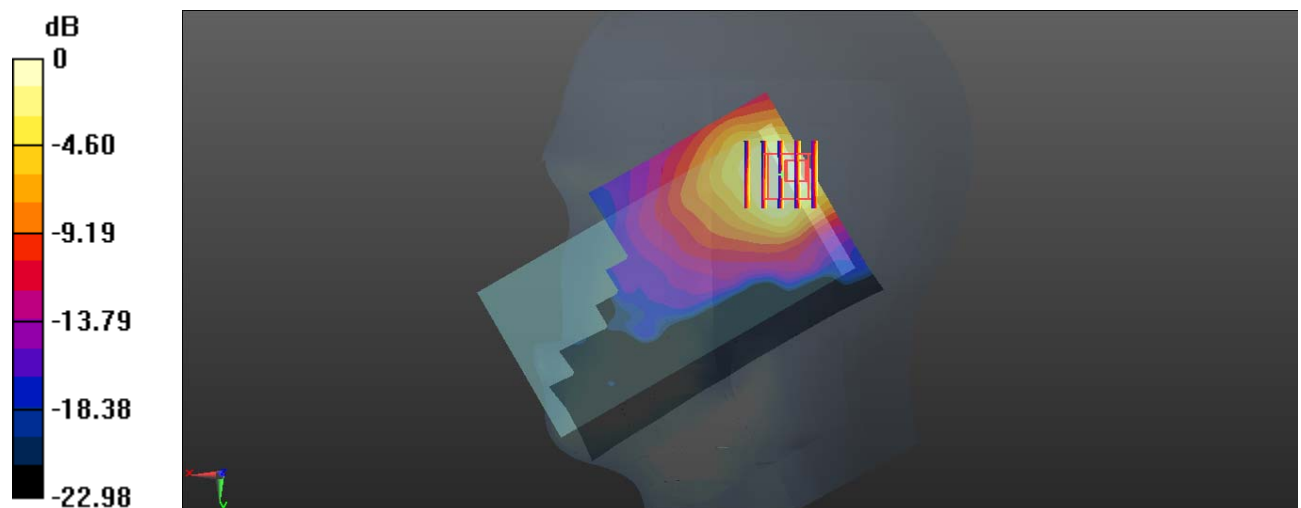
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.797 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.304 W/kg

**SAR(1 g) = 0.136 W/kg; SAR(10 g) = 0.067 W/kg**

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



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

**Test Plot 81#: WLAN 2.4G Mode B\_ Body Back Chain 1\_Mid****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: IEEE 802.11b; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.954$  S/m;  $\epsilon_r = 54.343$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Center Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(7.47, 7.47, 7.47) @ 2437 MHz; 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 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (171x91x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0244 W/kg

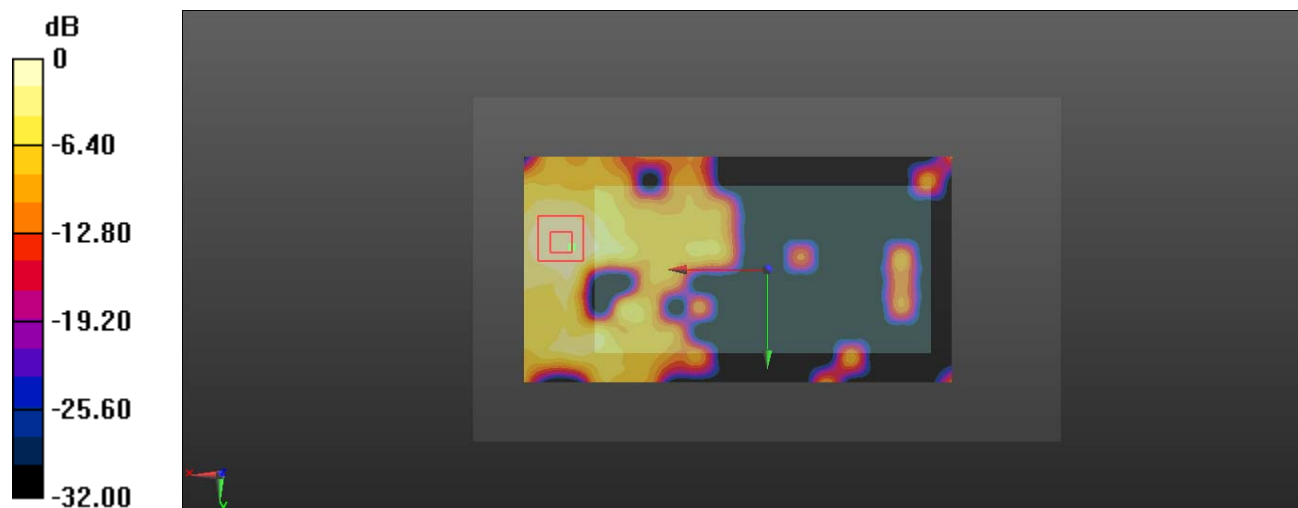
**Zoom Scan (6x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0.7690 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.0260 W/kg

**SAR(1 g) = 0.015 W/kg; SAR(10 g) = 0.00722 W/kg**

Maximum value of SAR (measured) = 0.0213 W/kg



0 dB = 0.0213 W/kg = -16.72 dBW/kg

**Test Plot 82#: WLAN 2.4G Mode B\_ Body Left Chain 1\_Mid****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: IEEE 802.11b; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.954$  S/m;  $\epsilon_r = 54.343$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Center Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(7.47, 7.47, 7.47) @ 2437 MHz; 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 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (161x61x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0329 W/kg

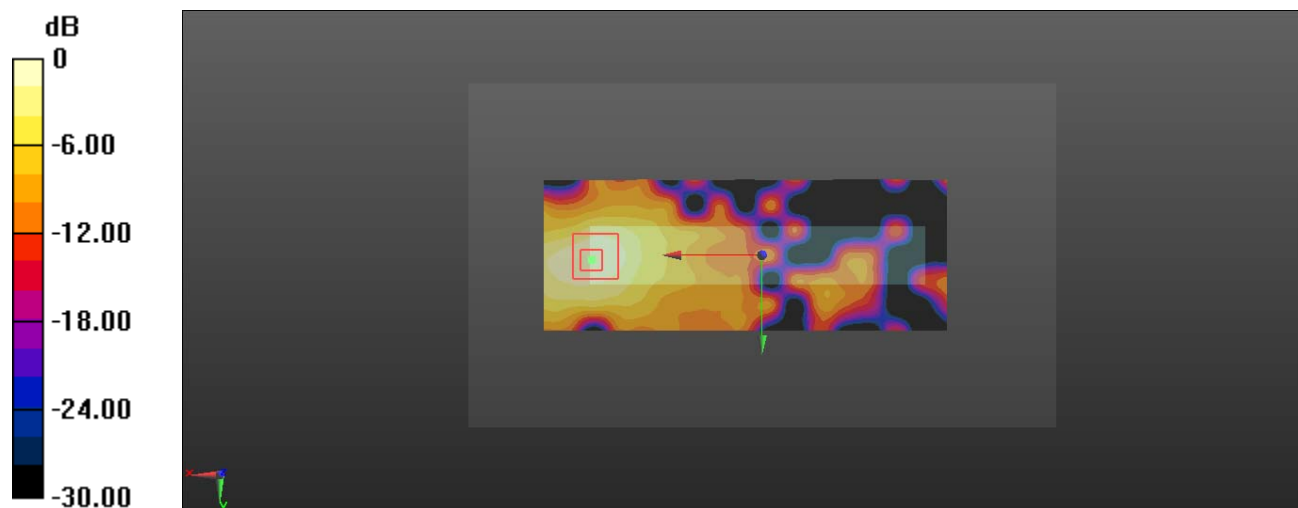
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0.6210 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.0370 W/kg

**SAR(1 g) = 0.021 W/kg; SAR(10 g) = 0.010 W/kg**

Maximum value of SAR (measured) = 0.0317 W/kg



0 dB = 0.0317 W/kg = -14.99 dBW/kg

**Test Plot 83#:: WLAN 2.4G Mode B\_ Body Top Chain 1\_Mid****DUT: MR-5S; Type: Raman Spectrometer; Serial: 19011600121**

Communication System: IEEE 802.11b; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.954$  S/m;  $\epsilon_r = 54.343$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Center Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(7.47, 7.47, 7.47) @ 2437 MHz; 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 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (61x91x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.260 W/kg

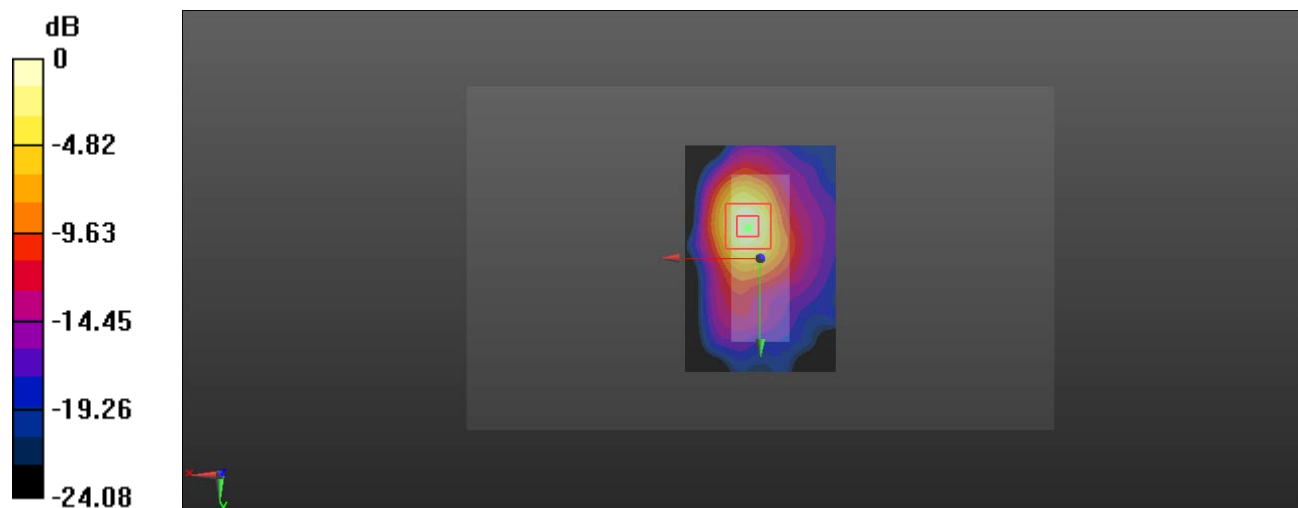
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.427 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.317 W/kg

**SAR(1 g) = 0.141 W/kg; SAR(10 g) = 0.060 W/kg**

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



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

**Test Plot 84#: WLAN 5.2G Mode A\_ Head Left Cheek\_Mid****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: IEEE 802.11a; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5200$  MHz;  $\sigma = 4.646$  S/m;  $\epsilon_r = 36.497$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(5.52, 5.52, 5.52) @ 5200 MHz; 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: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (191x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.625 W/kg

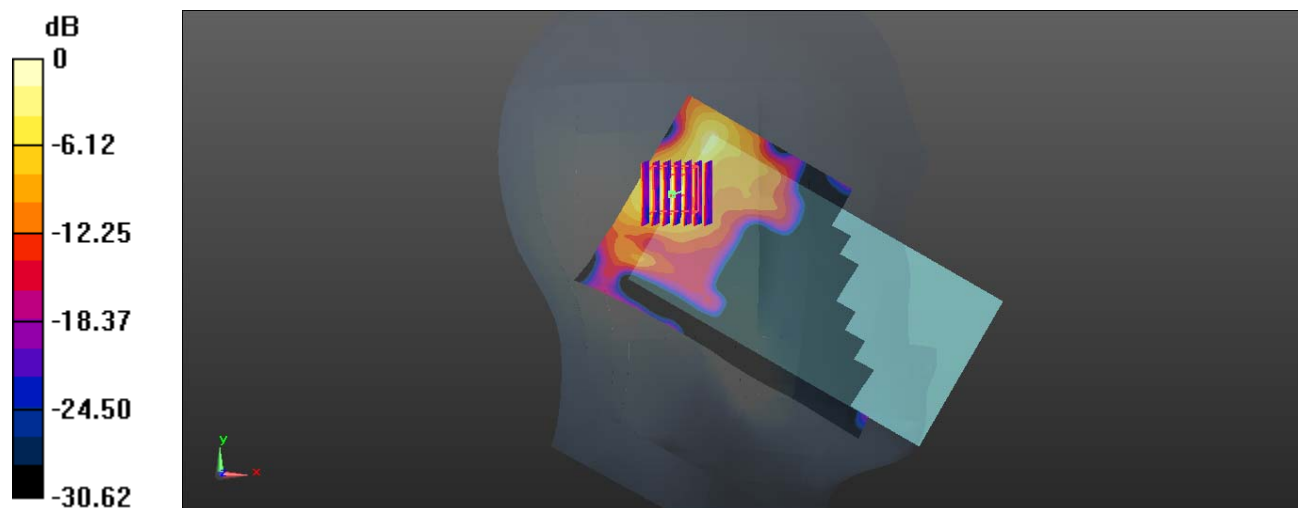
**Zoom Scan (7x7x16)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 6.357 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 1.24 W/kg

**SAR(1 g) = 0.294 W/kg; SAR(10 g) = 0.095 W/kg**

Maximum value of SAR (measured) = 0.676 W/kg



0 dB = 0.676 W/kg = -1.70 dBW/kg

**Test Plot 85#: WLAN 5.2G Mode A\_ Head Left Tilt\_Mid****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: IEEE 802.11a; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5200$  MHz;  $\sigma = 4.646$  S/m;  $\epsilon_r = 36.497$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(5.52, 5.52, 5.52) @ 5200 MHz; 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: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (191x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.573 W/kg

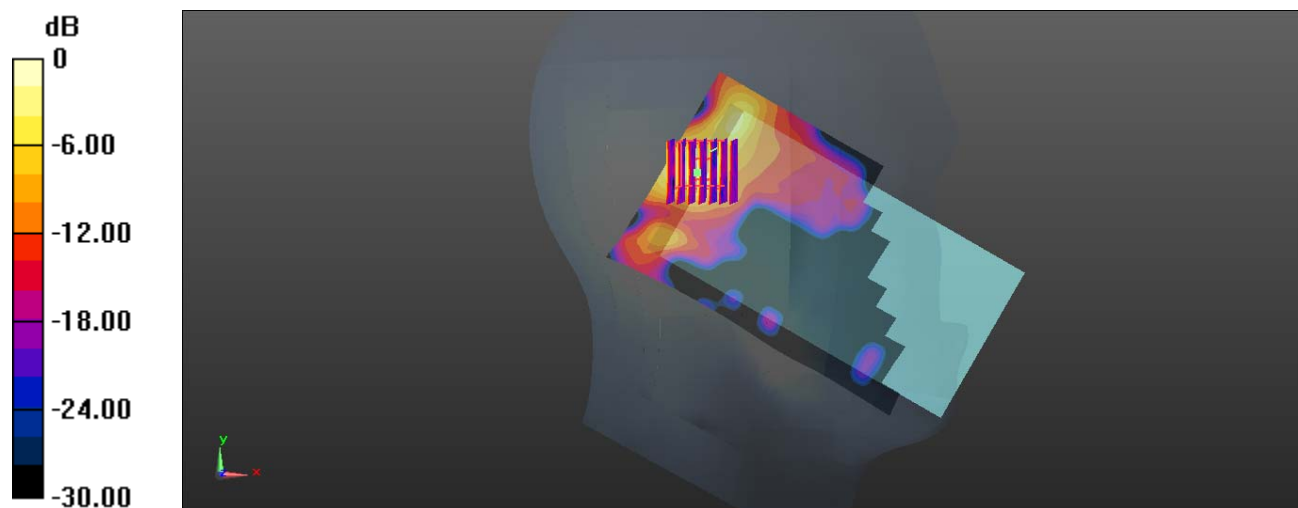
**Zoom Scan (7x7x16)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 5.237 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.07 W/kg

**SAR(1 g) = 0.257 W/kg; SAR(10 g) = 0.094 W/kg**

Maximum value of SAR (measured) = 0.652 W/kg



0 dB = 0.652 W/kg = -1.86 dBW/kg

**Test Plot 86#: WLAN 5.2G Mode A\_ Head Right Cheek \_Mid****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: IEEE 802.11a; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5200$  MHz;  $\sigma = 4.646$  S/m;  $\epsilon_r = 36.497$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(5.52, 5.52, 5.52) @ 5200 MHz; 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: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (181x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.660 W/kg

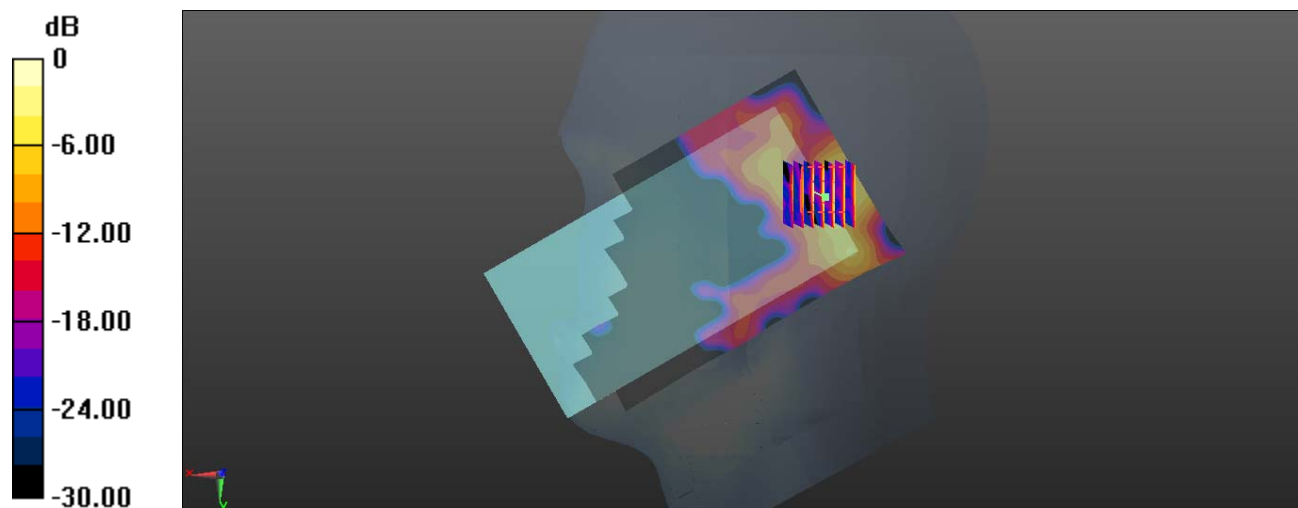
**Zoom Scan (7x7x6)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 6.803 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.07 W/kg

**SAR(1 g) = 0.254 W/kg; SAR(10 g) = 0.086 W/kg**

Maximum value of SAR (measured) = 0.620 W/kg



0 dB = 0.620 W/kg = -2.08 dBW/kg

**Test Plot 87#: WLAN 5.2G Mode A\_ Head Right Tilt \_Mid****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: IEEE 802.11a; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5200$  MHz;  $\sigma = 4.646$  S/m;  $\epsilon_r = 36.497$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(5.52, 5.52, 5.52) @ 5200 MHz; 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: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (191x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.663 W/kg

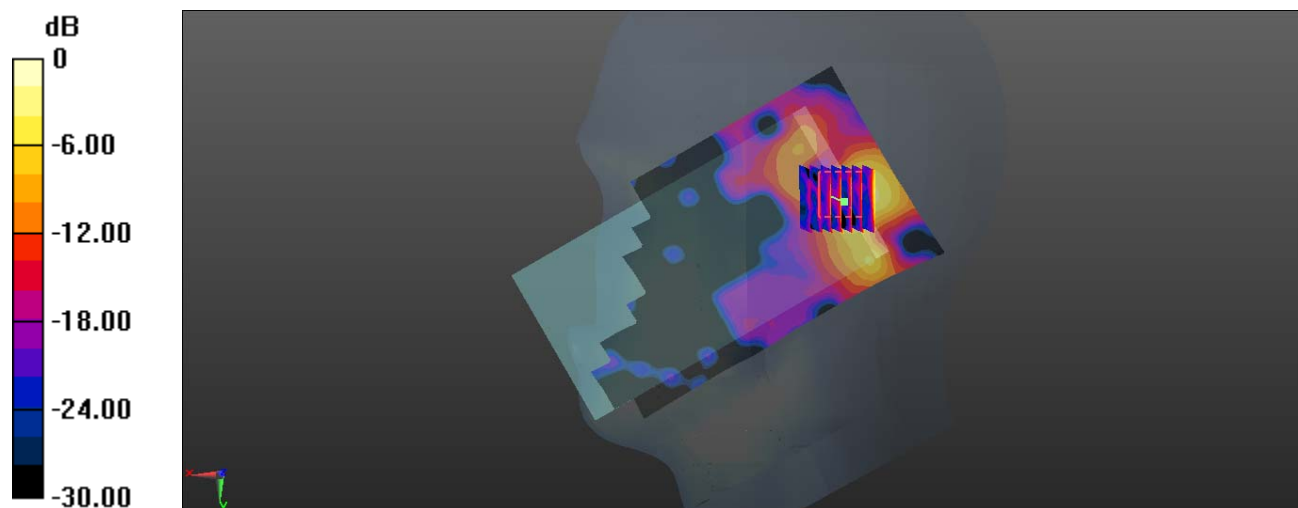
**Zoom Scan (7x7x6)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 5.457 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.10 W/kg

**SAR(1 g) = 0.247 W/kg; SAR(10 g) = 0.081 W/kg**

Maximum value of SAR (measured) = 0.637 W/kg



0 dB = 0.637 W/kg = -1.96 dBW/kg

**Test Plot 88#: WLAN 5.2G Mode A\_ Body Back \_Mid****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: IEEE 802.11a; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5200$  MHz;  $\sigma = 5.29$  S/m;  $\epsilon_r = 50.068$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Center Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(4.92, 4.92, 4.92) @ 5200 MHz; 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 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (201x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.0548 W/kg

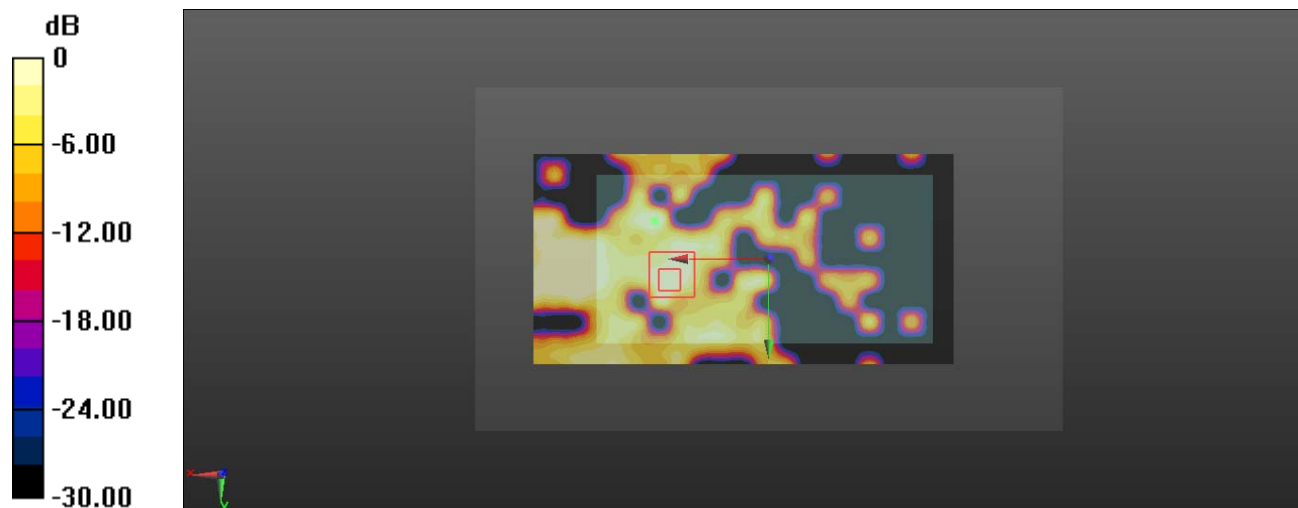
**Zoom Scan (9x12x6)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 0.9770 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.101 W/kg

**SAR(1 g) = 0.013 W/kg; SAR(10 g) = 0.00466 W/kg**

Maximum value of SAR (measured) = 0.0370 W/kg



0 dB = 0.0370 W/kg = -14.32 dBW/kg

**Test Plot 89#: WLAN 5.2G Mode A\_ Body Top \_Mid****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: UID 0,IEEE 802.11a (0); Frequency: 5200 MHz;Duty Cycle: 1:1

Medium parameters used:  $f = 5200$  MHz;  $\sigma = 5.29$  S/m;  $\epsilon_r = 50.068$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Center Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(4.92, 4.92, 4.92) @ 5200 MHz; 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 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (71x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.300 W/kg

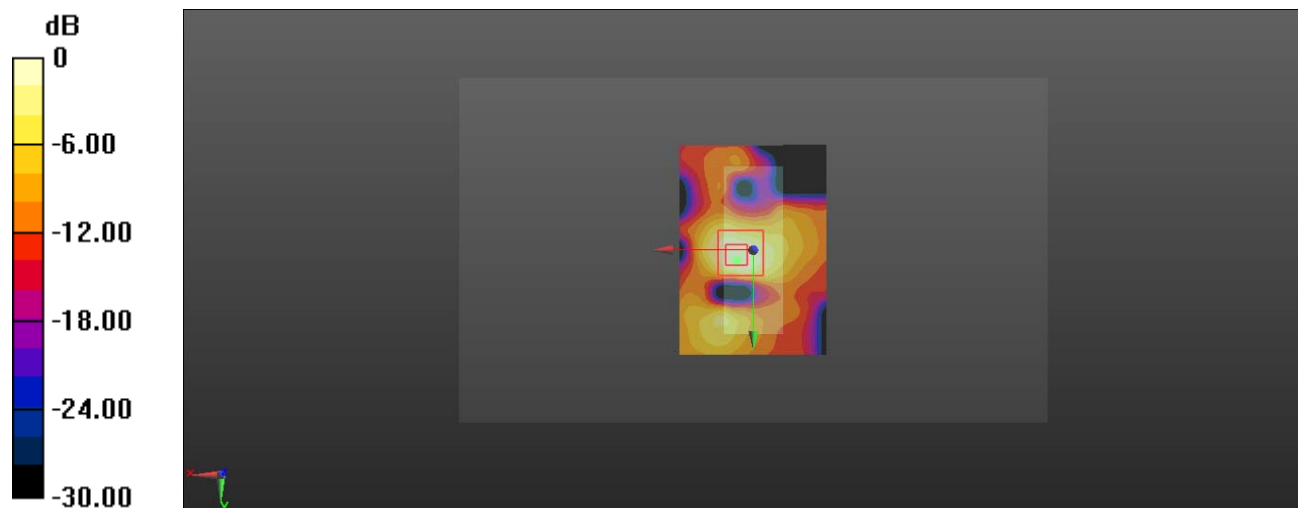
**Zoom Scan (7x7x6)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 6.429 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.405 W/kg

**SAR(1 g) = 0.107 W/kg; SAR(10 g) = 0.035 W/kg**

Maximum value of SAR (measured) = 0.250 W/kg



0 dB = 0.250 W/kg = -6.02 dBW/kg

**Test Plot 90#: WLAN 5.8G Mode A\_ Head Left Cheek \_Mid****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: IEEE 802.11a; Frequency: 5785 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5700$  MHz;  $\sigma = 5.043$  S/m;  $\epsilon_r = 35.542$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(4.68, 4.68, 4.68) @ 5785 MHz; 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: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (181x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

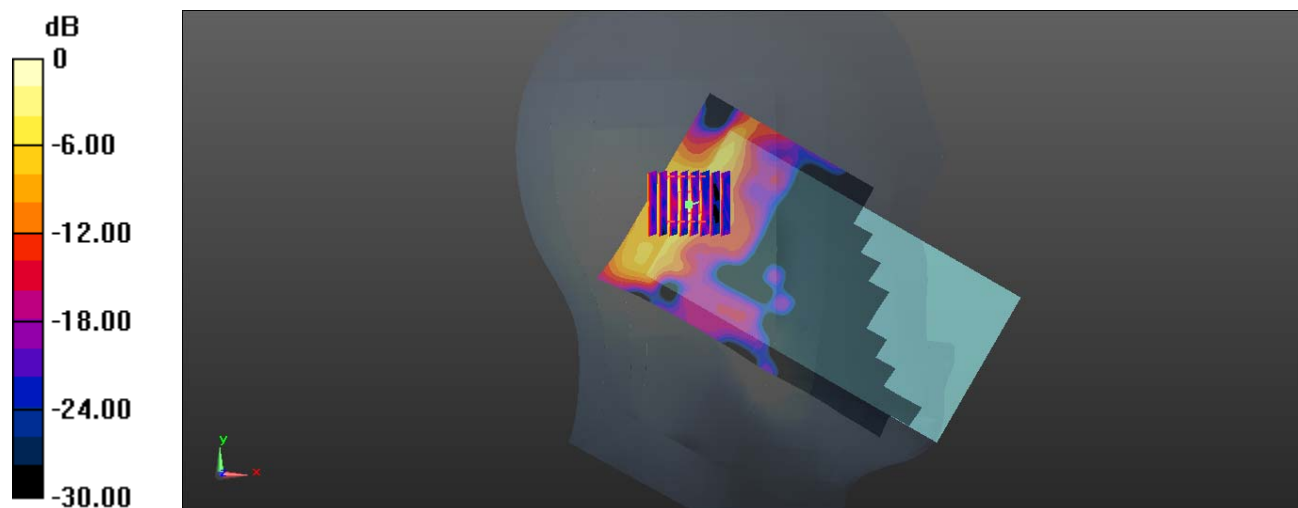
**Zoom Scan (8x7x6)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 10.52 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.77 W/kg

**SAR(1 g) = 0.360 W/kg; SAR(10 g) = 0.112 W/kg**

Maximum value of SAR (measured) = 0.969 W/kg



0 dB = 0.969 W/kg = -0.14 dBW/kg

**Test Plot 91#: WLAN 5.8G Mode A\_ Head Left Tilt \_Mid****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: IEEE 802.11a; Frequency: 5785 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5700$  MHz;  $\sigma = 5.043$  S/m;  $\epsilon_r = 35.542$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(4.68, 4.68, 4.68) @ 5785 MHz; 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: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (181x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.932 W/kg

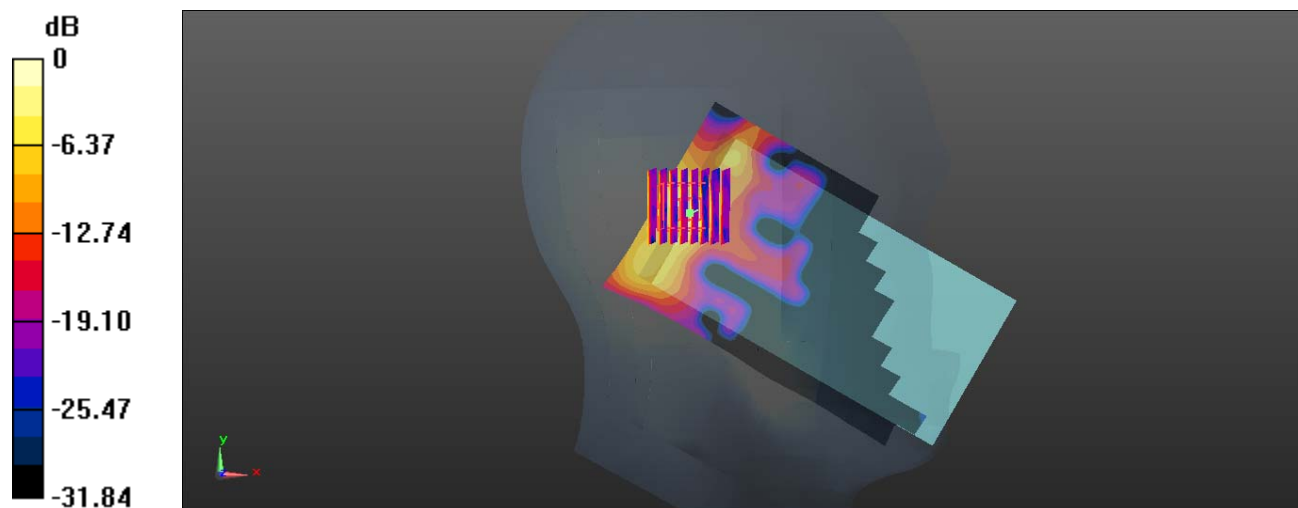
**Zoom Scan (8x8x6)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 6.730 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.54 W/kg

**SAR(1 g) = 0.349 W/kg; SAR(10 g) = 0.114 W/kg**

Maximum value of SAR (measured) = 0.884 W/kg



0 dB = 0.884 W/kg = -0.54 dBW/kg

**Test Plot 92#: WLAN 5.8G Mode A\_ Head Right Cheek \_Mid****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: IEEE 802.11a; Frequency: 5785 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5700$  MHz;  $\sigma = 5.043$  S/m;  $\epsilon_r = 35.542$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(4.68, 4.68, 4.68) @ 5785 MHz; 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: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (181x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

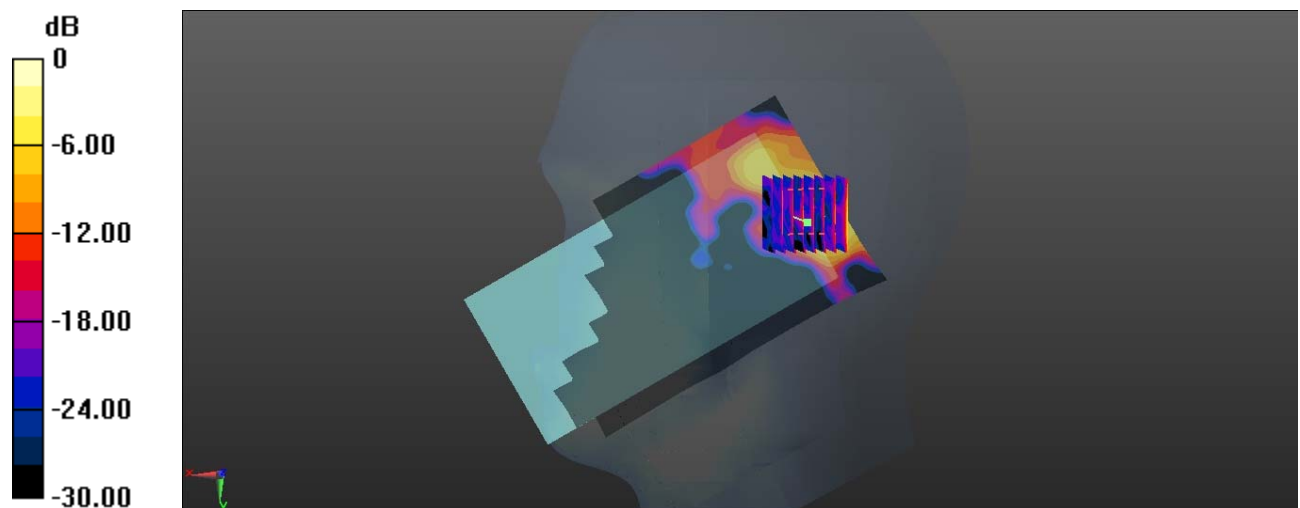
**Zoom Scan (8x8x6)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 5.730 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 1.61 W/kg

**SAR(1 g) = 0.375 W/kg; SAR(10 g) = 0.128 W/kg**

Maximum value of SAR (measured) = 0.931 W/kg



0 dB = 0.931 W/kg = -0.31 dBW/kg

**Test Plot 93#: WLAN 5.8G Mode A\_ Head Right Tilt \_Mid****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: IEEE 802.11a; Frequency: 5785 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5700$  MHz;  $\sigma = 5.043$  S/m;  $\epsilon_r = 35.542$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(4.68, 4.68, 4.68) @ 5785 MHz; 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: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (191x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.17 W/kg

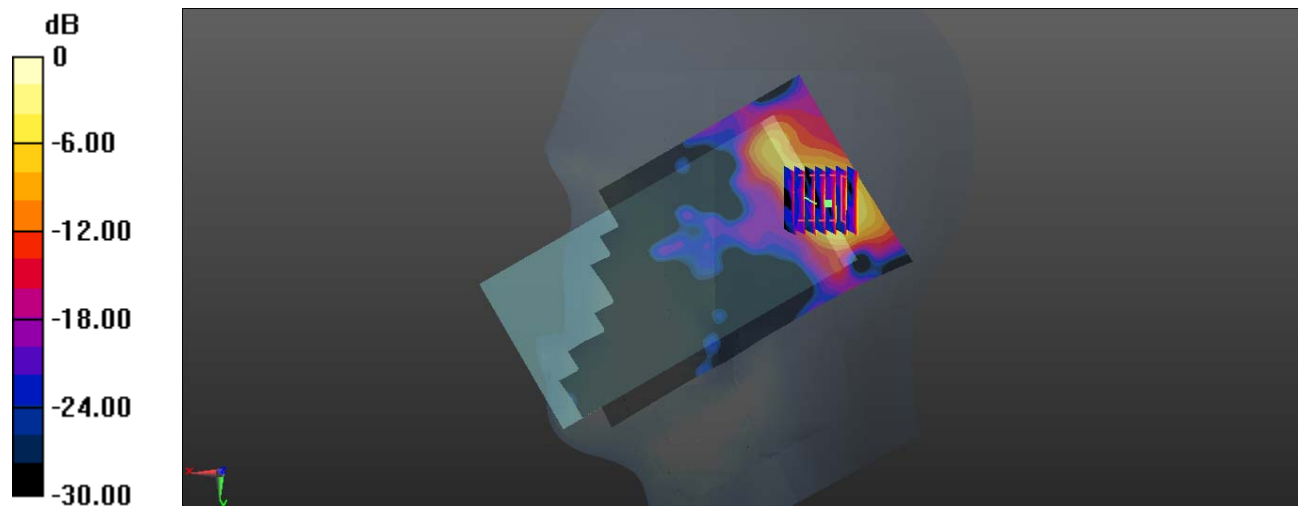
**Zoom Scan (7x7x6)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 3.503 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 2.05 W/kg

**SAR(1 g) = 0.483 W/kg; SAR(10 g) = 0.163 W/kg**

Maximum value of SAR (measured) = 1.17 W/kg



0 dB = 1.17 W/kg = 0.68 dBW/kg

**Test Plot 94#: WLAN 5.8G Mode A\_ Body Back \_Mid****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: IEEE 802.11a; Frequency: 5785 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5785$  MHz;  $\sigma = 6.062$  S/m;  $\epsilon_r = 47.276$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Center Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(4.37, 4.37, 4.37) @ 5785 MHz; 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 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (191x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

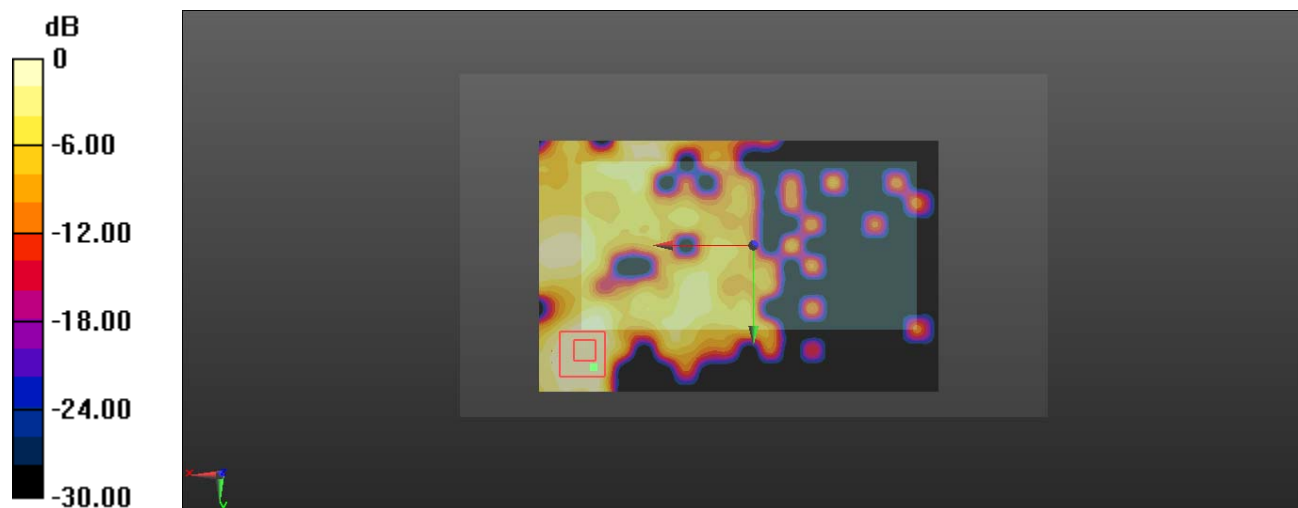
**Zoom Scan (8x8x6)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 1.564 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.204 W/kg

**SAR(1 g) = 0.035 W/kg; SAR(10 g) = 0.014 W/kg**

Maximum value of SAR (measured) = 0.0869 W/kg



0 dB = 0.0869 W/kg = -10.61 dBW/kg

**Test Plot 95#: WLAN 5.8G Mode A\_ Body Top \_Mid****DUT: Raman Spectrometer; Type: MR-5S; Serial: 19011600121**

Communication System: IEEE 802.11a; Frequency: 5785 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5785$  MHz;  $\sigma = 6.062$  S/m;  $\epsilon_r = 47.276$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Center Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(4.37, 4.37, 4.37) @ 5785 MHz; 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 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (71x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

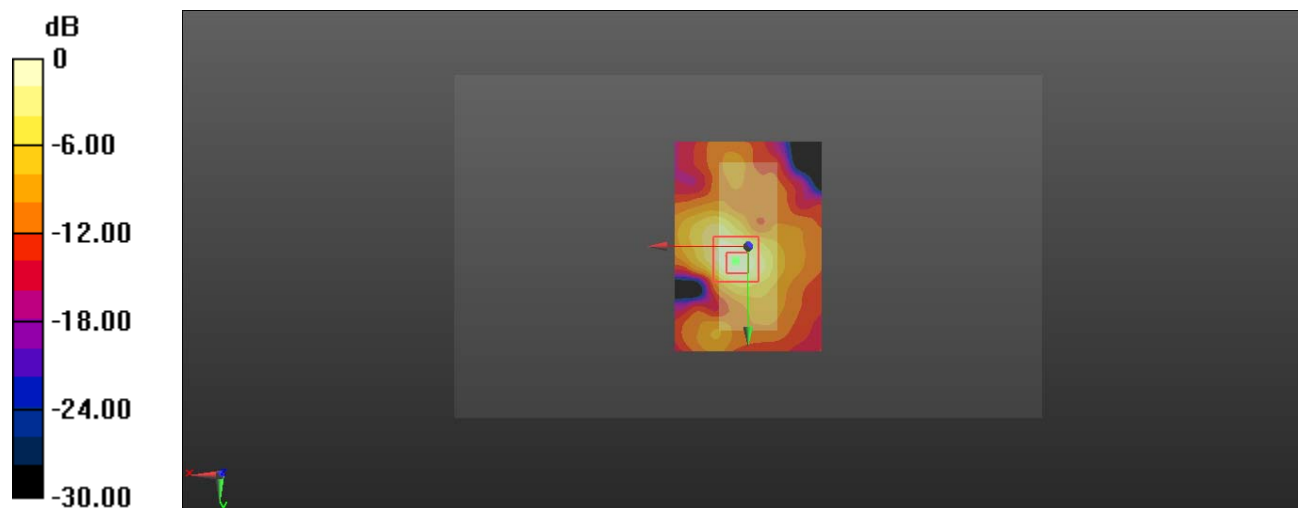
**Zoom Scan (7x7x6)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 6.379 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.640 W/kg

**SAR(1 g) = 0.152 W/kg; SAR(10 g) = 0.051 W/kg**

Maximum value of SAR (measured) = 0.394 W/kg



0 dB = 0.394 W/kg = -4.05 dBW/kg