

## *Appendix C - Highest Measurement Plots*

Date: 2023/11/10

**1007\_WCDMA Band II\_RMC12.2kbps\_Top Side\_0 mm\_Ch9262\_ANT Main\_Sample1**

**DUT: FM101-GL**

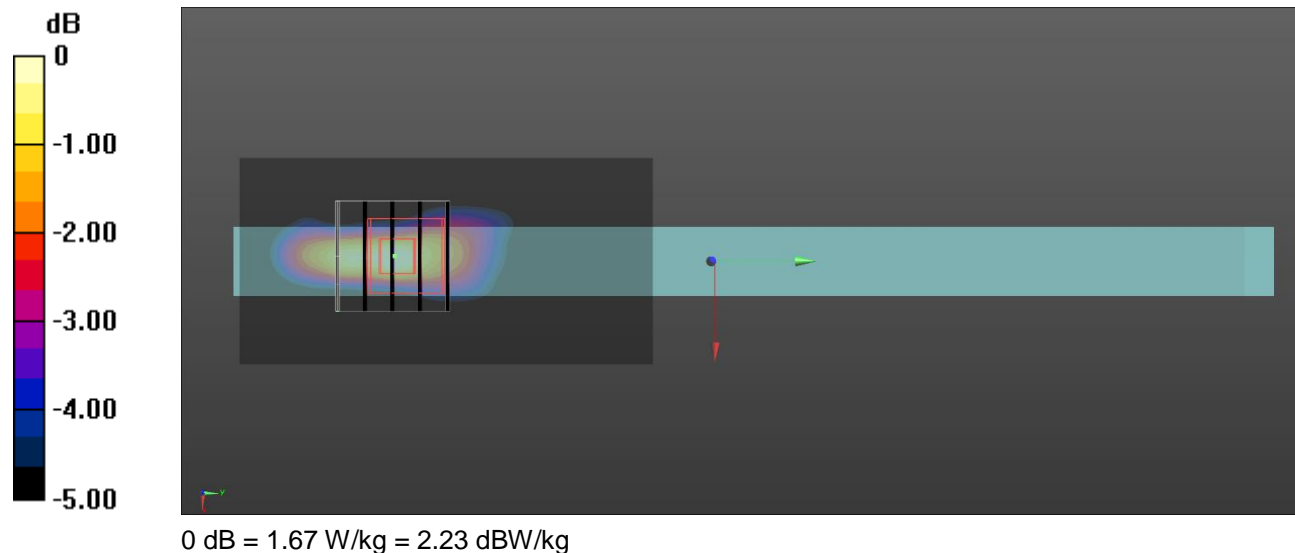
Communication System: UID 0, WCDMA Band II (0); Frequency: 1852.4 MHz; Duty Cycle: 1:1  
 Medium parameters used (interpolated):  $f = 1852.4$  MHz;  $\sigma = 1.447$  S/m;  $\epsilon_r = 39.735$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section  
 Measurement Standard: DASYS

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7647; ConvF(8.57, 8.57, 8.57) @ 1852.4 MHz; Calibrated: 2023/4/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1253; Calibrated: 2022/12/16
- Phantom: ELI; Type: QD OVA 002 AA; Serial: 1175
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Area Scan (41x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
 Maximum value of SAR (interpolated) = 1.71 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
 Reference Value = 33.59 V/m; Power Drift = 0.02 dB  
 Peak SAR (extrapolated) = 2.01 W/kg  
**SAR(1 g) = 0.995 W/kg; SAR(10 g) = 0.521 W/kg**  
 Smallest distance from peaks to all points 3 dB below = 8.2 mm  
 Ratio of SAR at M2 to SAR at M1 = 49.8%  
 Maximum value of SAR (measured) = 1.67 W/kg



Date: 2023/11/9

**1017\_WCDMA Band IV\_RMC12.2kbps\_Top Side\_0 mm\_Ch1413\_ANT Main\_Sample1**

**DUT: FM101-GL**

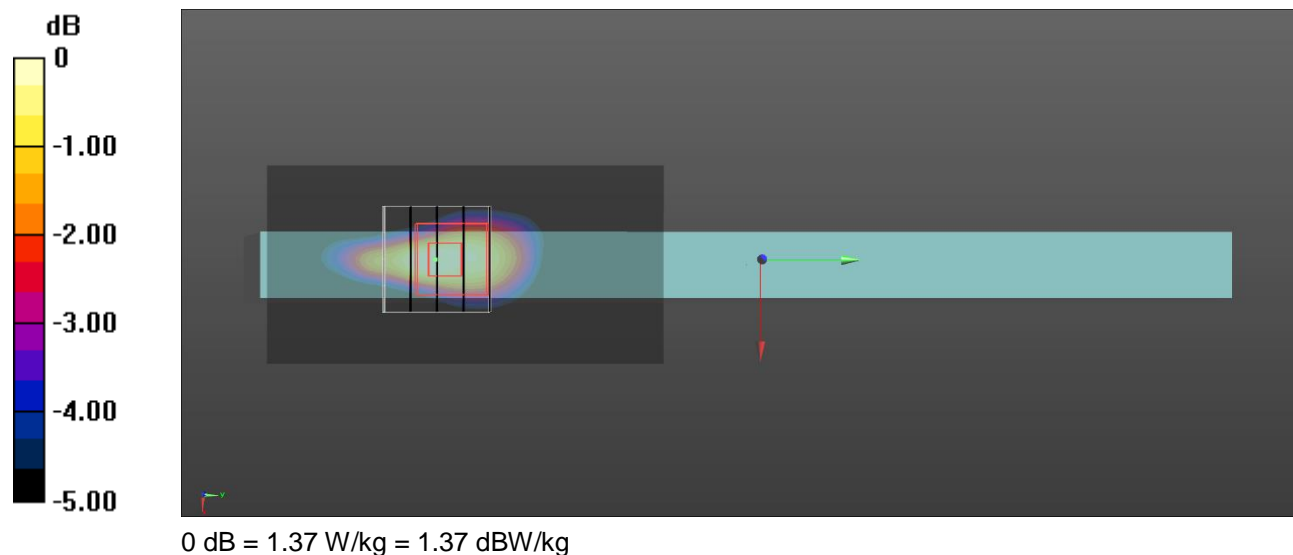
Communication System: UID 0, WCDMA Band IV (0); Frequency: 1732.6 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 1733 \text{ MHz}$ ;  $\sigma = 1.383 \text{ S/m}$ ;  $\epsilon_r = 40.062$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Phantom section: Flat Section  
 Measurement Standard: DASYS

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7647; ConvF(8.89, 8.89, 8.89) @ 1732.6 MHz; Calibrated: 2023/4/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1253; Calibrated: 2022/12/16
- Phantom: ELI; Type: QD OVA 002 AA; Serial: 1175
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Area Scan (41x81x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$   
 Maximum value of SAR (interpolated) = 1.43 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$   
 Reference Value = 32.29 V/m; Power Drift = 0.00 dB  
 Peak SAR (extrapolated) = 1.65 W/kg  
**SAR(1 g) = 0.878 W/kg; SAR(10 g) = 0.481 W/kg**  
 Smallest distance from peaks to all points 3 dB below = 10.1 mm  
 Ratio of SAR at M2 to SAR at M1 = 53.2%  
 Maximum value of SAR (measured) = 1.37 W/kg



Date: 2023/11/8

**1034\_WCDMA Band V\_RMC12.2kbps\_Top Side\_0 mm\_Ch4233\_ANT Main\_Sample1**

**DUT: FM101-GL**

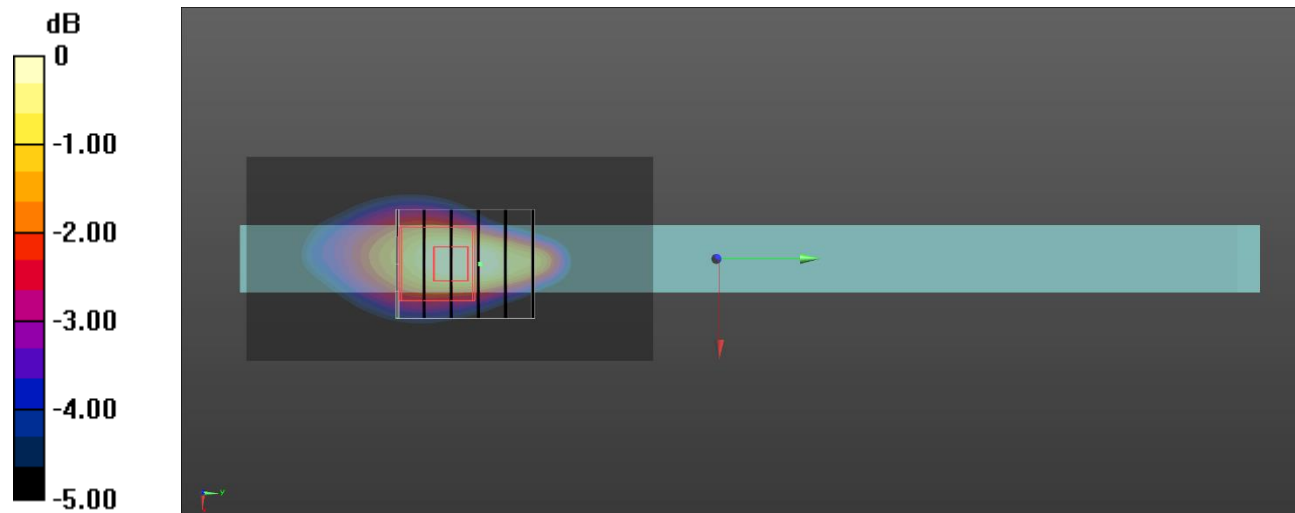
Communication System: UID 0, WCDMA Band V (0); Frequency: 846.6 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 847$  MHz;  $\sigma = 0.956$  S/m;  $\epsilon_r = 41.852$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section  
Measurement Standard: DASYS

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7647; ConvF(9.88, 9.88, 9.88) @ 846.6 MHz; Calibrated: 2023/4/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1253; Calibrated: 2022/12/16
- Phantom: ELI; Type: QD OVA 002 AA; Serial: 1175
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Area Scan (41x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 1.62 W/kg

**Zoom Scan (5x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 42.48 V/m; Power Drift = -0.08 dB  
Peak SAR (extrapolated) = 1.91 W/kg  
**SAR(1 g) = 0.997 W/kg; SAR(10 g) = 0.588 W/kg**  
Smallest distance from peaks to all points 3 dB below = 12.2 mm  
Ratio of SAR at M2 to SAR at M1 = 51.8%  
Maximum value of SAR (measured) = 1.57 W/kg



0 dB = 1.57 W/kg = 1.96 dBW/kg

Date: 2023/11/8

**1085\_LTE Band 5\_QPSK10M\_Top Side\_0 mm\_Ch20600\_1RB\_0offset\_ANT Main\_Sample1**

**DUT: FM101-GL**

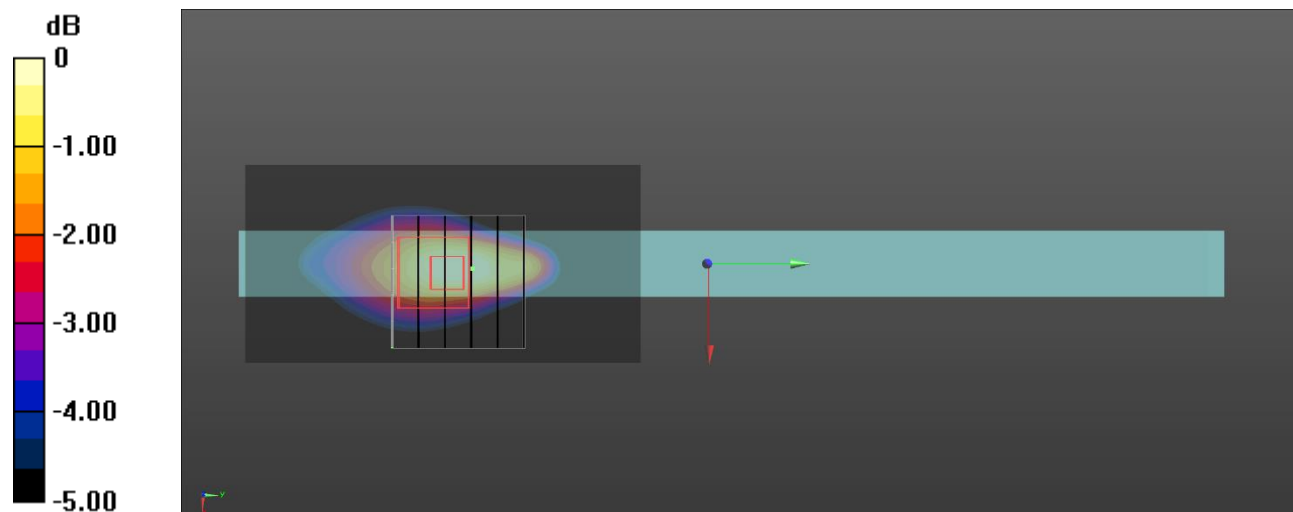
Communication System: UID 0, Generic LTE (0); Frequency: 844 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 844$  MHz;  $\sigma = 0.955$  S/m;  $\epsilon_r = 41.86$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section  
 Measurement Standard: DASYS

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7647; ConvF(9.88, 9.88, 9.88) @ 844 MHz; Calibrated: 2023/4/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1253; Calibrated: 2022/12/16
- Phantom: ELI; Type: QD OVA 002 AA; Serial: 1175
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Area Scan (41x81x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm  
 Maximum value of SAR (interpolated) = 1.61 W/kg

**Zoom Scan (6x6x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm  
 Reference Value = 39.76 V/m; Power Drift = -0.06 dB  
 Peak SAR (extrapolated) = 1.92 W/kg  
**SAR(1 g) = 0.896 W/kg; SAR(10 g) = 0.525 W/kg**  
 Smallest distance from peaks to all points 3 dB below = 11.6 mm  
 Ratio of SAR at M2 to SAR at M1 = 50.5%  
 Maximum value of SAR (measured) = 1.57 W/kg



0 dB = 1.57 W/kg = 1.96 dBW/kg

Date: 2023/11/11

**1102\_LTE Band 7\_QPSK20M\_Top Side\_0 mm\_Ch21350\_1RB\_0offset\_ANT Main\_Sample1**

**DUT: FM101-GL**

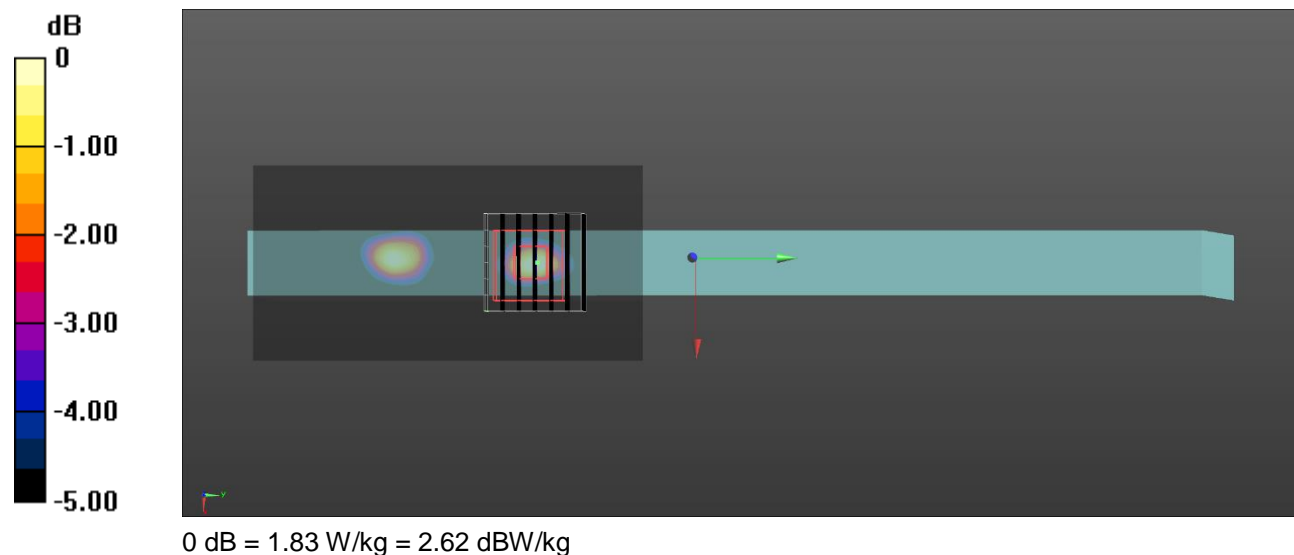
Communication System: UID 0, Generic LTE (0); Frequency: 2560 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2560$  MHz;  $\sigma = 1.918$  S/m;  $\epsilon_r = 38.721$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section  
Measurement Standard: DASYS

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7647; ConvF(7.83, 7.83, 7.83) @ 2560 MHz; Calibrated: 2023/4/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1253; Calibrated: 2022/12/16
- Phantom: ELI; Type: QD OVA 002 AA; Serial: 1175
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Area Scan (51x101x1):** Interpolated grid:  $dx=1.200$  mm,  $dy=1.200$  mm  
Maximum value of SAR (interpolated) = 1.90 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm  
Reference Value = 31.61 V/m; Power Drift = -0.08 dB  
Peak SAR (extrapolated) = 2.37 W/kg  
**SAR(1 g) = 0.996 W/kg; SAR(10 g) = 0.351 W/kg**  
Smallest distance from peaks to all points 3 dB below = 6 mm  
Ratio of SAR at M2 to SAR at M1 = 46%  
Maximum value of SAR (measured) = 1.83 W/kg



Date: 2023/11/7

**1115\_LTE Band 12\_QPSK10M\_Top Side\_0 mm\_Ch23095\_1RB\_0offet\_ANT Main\_Sample1**

**DUT: FM101-GL**

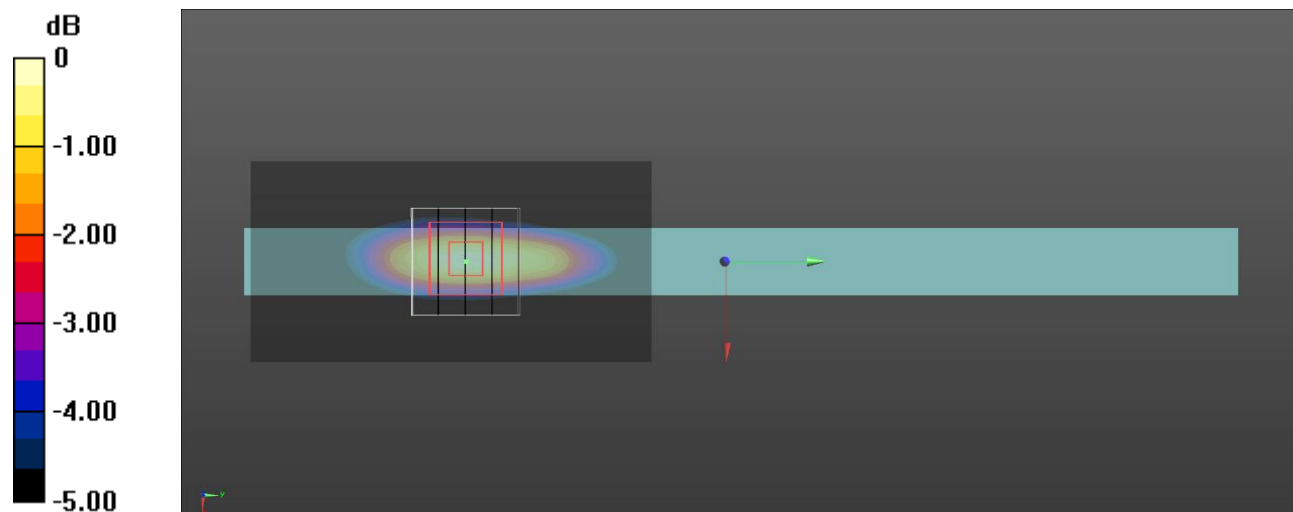
Communication System: UID 0, Generic LTE (0); Frequency: 707.5 MHz;Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 707.5$  MHz;  $\sigma = 0.906$  S/m;  $\epsilon_r = 42.354$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section  
Measurement Standard: DASYS

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7647; ConvF(9.98, 9.98, 9.98) @ 707.5 MHz; Calibrated: 2023/4/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1253; Calibrated: 2022/12/16
- Phantom: ELI; Type: QD OVA 002 AA; Serial: 1175
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Area Scan (41x81x1):** 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 = 42.45 V/m; Power Drift = 0.04 dB  
Peak SAR (extrapolated) = 1.90 W/kg  
**SAR(1 g) = 0.943 W/kg; SAR(10 g) = 0.544 W/kg**  
Smallest distance from peaks to all points 3 dB below = 9.6 mm  
Ratio of SAR at M2 to SAR at M1 = 50.8%  
Maximum value of SAR (measured) = 1.56 W/kg



0 dB = 1.56 W/kg = 1.93 dBW/kg

Date: 2023/11/7

**1138\_LTE Band 13\_QPSK10M\_Top Side\_0 mm\_Ch23230\_1RB\_0offet\_ANT Main\_Sample1**

**DUT: FM101-GL**

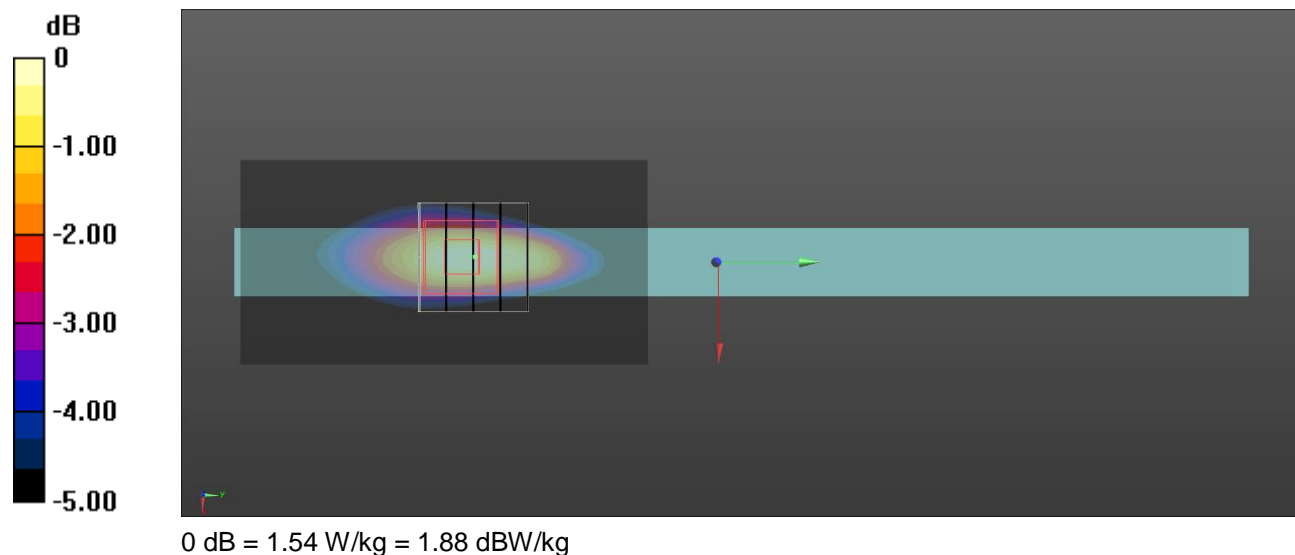
Communication System: UID 0, Generic LTE (0); Frequency: 782 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 782 \text{ MHz}$ ;  $\sigma = 0.928 \text{ S/m}$ ;  $\epsilon_r = 42.086$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section  
Measurement Standard: DASYS

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7647; ConvF(9.98, 9.98, 9.98) @ 782 MHz; Calibrated: 2023/4/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1253; Calibrated: 2022/12/16
- Phantom: ELI; Type: QD OVA 002 AA; Serial: 1175
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Area Scan (41x81x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$   
Maximum value of SAR (interpolated) = 1.55 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$   
Reference Value = 42.05 V/m; Power Drift = 0.01 dB  
Peak SAR (extrapolated) = 1.86 W/kg  
**SAR(1 g) = 0.999 W/kg; SAR(10 g) = 0.582 W/kg**  
Smallest distance from peaks to all points 3 dB below = 11.2 mm  
Ratio of SAR at M2 to SAR at M1 = 53.2%  
Maximum value of SAR (measured) = 1.54 W/kg





Date: 2023/11/7

**1155\_LTE Band 14\_QPSK10M\_Top Side\_0 mm\_Ch23330\_1RB\_0offet\_ANT Main\_Sample1**

**DUT: FM101-GL**

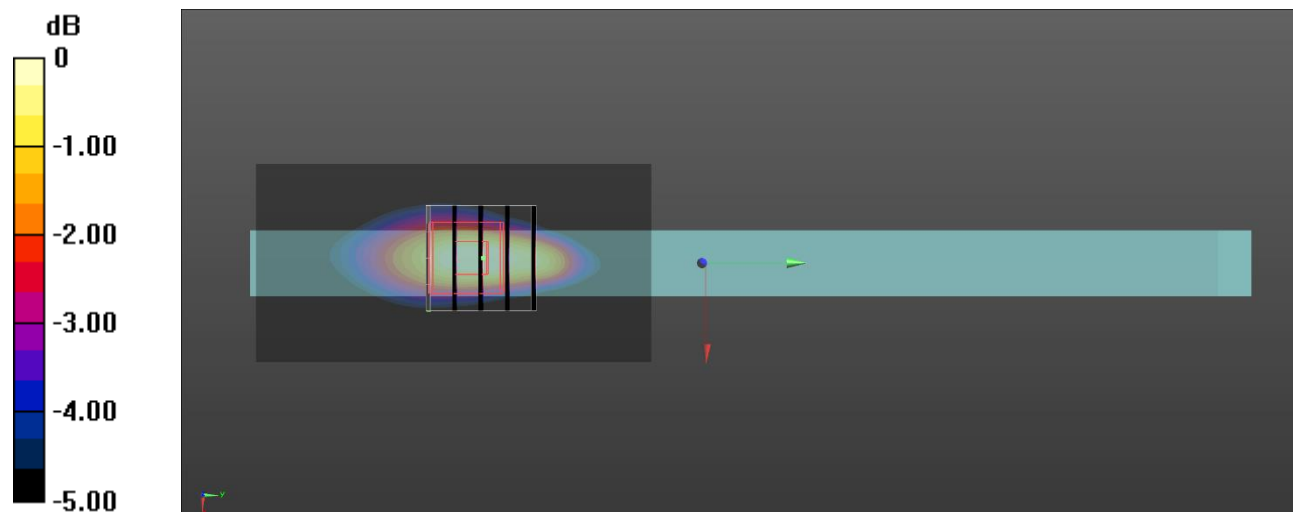
Communication System: UID 0, Generic LTE (0); Frequency: 793 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 793$  MHz;  $\sigma = 0.932$  S/m;  $\epsilon_r = 42.06$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section  
 Measurement Standard: DASYS

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7647; ConvF(9.98, 9.98, 9.98) @ 793 MHz; Calibrated: 2023/4/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1253; Calibrated: 2022/12/16
- Phantom: ELI; Type: QD OVA 002 AA; Serial: 1175
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Area Scan (41x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
 Maximum value of SAR (interpolated) = 1.41 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
 Reference Value = 39.33 V/m; Power Drift = -0.02 dB  
 Peak SAR (extrapolated) = 1.66 W/kg  
**SAR(1 g) = 0.883 W/kg; SAR(10 g) = 0.514 W/kg**  
 Smallest distance from peaks to all points 3 dB below = 11.2 mm  
 Ratio of SAR at M2 to SAR at M1 = 52.8%  
 Maximum value of SAR (measured) = 1.36 W/kg



0 dB = 1.36 W/kg = 1.34 dBW/kg

Date: 2023/11/10

**1193\_LTE Band 25\_QPSK20M\_Top Side\_0 mm\_Ch26140\_1RB\_0offet\_ANT Main\_Sample1**

**DUT: FM101-GL**

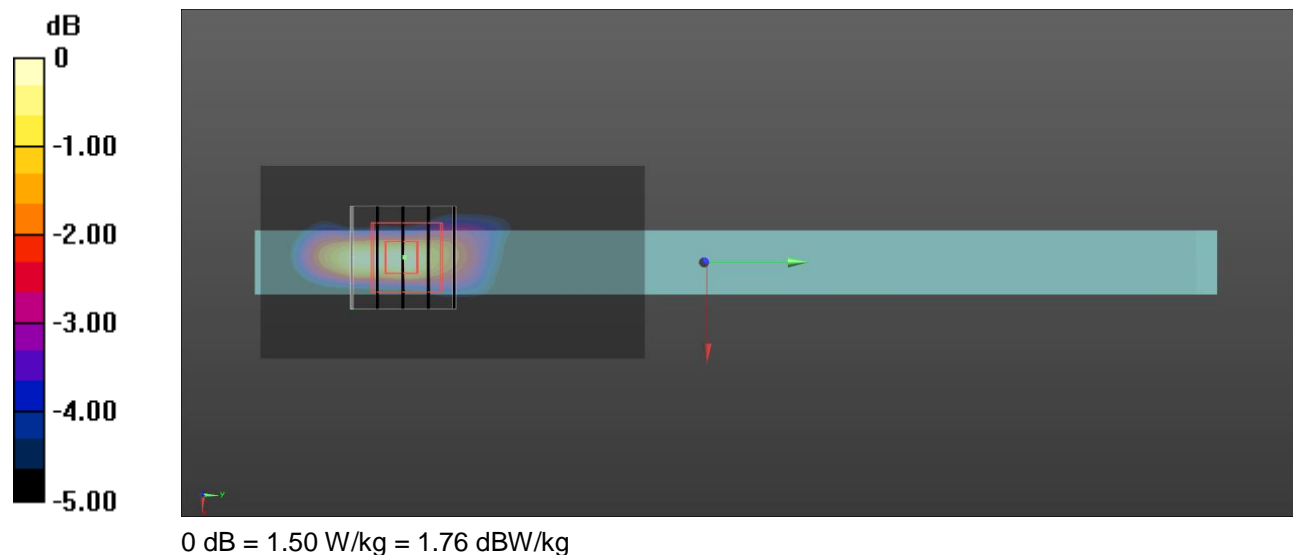
Communication System: UID 0, Generic LTE (0); Frequency: 1860 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 1860$  MHz;  $\sigma = 1.452$  S/m;  $\epsilon_r = 39.721$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section  
 Measurement Standard: DASYS

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7647; ConvF(8.57, 8.57, 8.57) @ 1860 MHz; Calibrated: 2023/4/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1253; Calibrated: 2022/12/16
- Phantom: ELI; Type: QD OVA 002 AA; Serial: 1175
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Area Scan (41x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
 Maximum value of SAR (interpolated) = 1.52 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
 Reference Value = 32.20 V/m; Power Drift = 0.03 dB  
 Peak SAR (extrapolated) = 1.81 W/kg  
**SAR(1 g) = 0.884 W/kg; SAR(10 g) = 0.454 W/kg**  
 Smallest distance from peaks to all points 3 dB below = 8.2 mm  
 Ratio of SAR at M2 to SAR at M1 = 49.5%  
 Maximum value of SAR (measured) = 1.50 W/kg



Date: 2023/11/8

**1219\_LTE Band 26\_QPSK15M\_Top Side\_0 mm\_Ch26765\_1RB\_0offset\_ANT Main\_Sample1**

**DUT: FM101-GL**

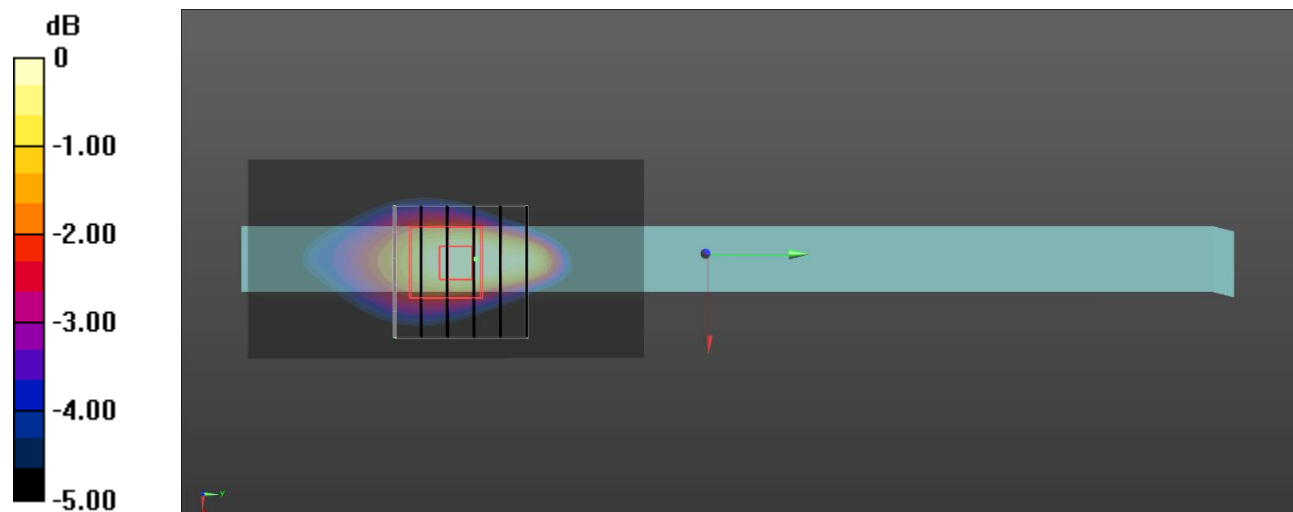
Communication System: UID 0, Generic LTE (0); Frequency: 821.5 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 821.5$  MHz;  $\sigma = 0.946$  S/m;  $\epsilon_r = 41.974$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section  
Measurement Standard: DASYS

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7647; ConvF(9.88, 9.88, 9.88) @ 821.5 MHz; Calibrated: 2023/4/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1253; Calibrated: 2022/12/16
- Phantom: ELI; Type: QD OVA 002 AA; Serial: 1175
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Area Scan (41x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 1.54 W/kg

**Zoom Scan (6x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 40.00 V/m; Power Drift = -0.07 dB  
Peak SAR (extrapolated) = 1.75 W/kg  
**SAR(1 g) = 0.921 W/kg; SAR(10 g) = 0.549 W/kg**  
Smallest distance from peaks to all points 3 dB below = 12.8 mm  
Ratio of SAR at M2 to SAR at M1 = 52.2%  
Maximum value of SAR (measured) = 1.42 W/kg



Date: 2023/11/11

**1236\_LTE Band 30\_QPSK10M\_Top Side\_0 mm\_Ch27710\_1RB\_0offset\_ANT Main\_Sample1**

**DUT: FM101-GL**

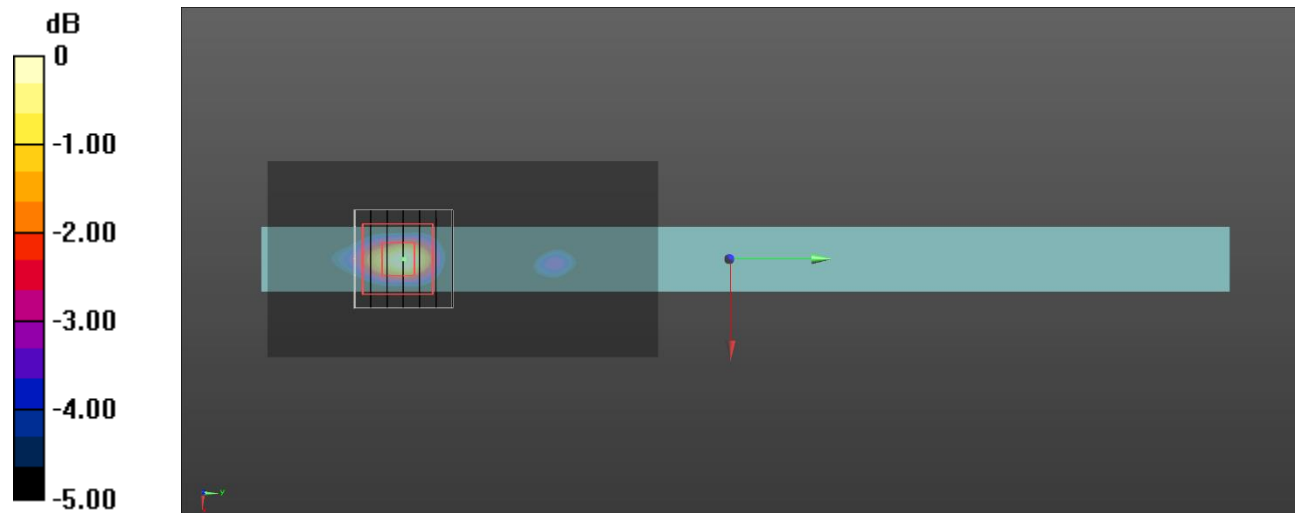
Communication System: UID 0, Generic LTE (0); Frequency: 2310 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 2310$  MHz;  $\sigma = 1.727$  S/m;  $\epsilon_r = 39.069$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section  
 Measurement Standard: DASYS

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7647; ConvF(8.24, 8.24, 8.24) @ 2310 MHz; Calibrated: 2023/4/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1253; Calibrated: 2022/12/16
- Phantom: ELI; Type: QD OVA 002 AA; Serial: 1175
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Area Scan (51x101x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm  
 Maximum value of SAR (interpolated) = 1.77 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
 Reference Value = 29.20 V/m; Power Drift = -0.18 dB  
 Peak SAR (extrapolated) = 2.18 W/kg  
**SAR(1 g) = 0.941 W/kg; SAR(10 g) = 0.387 W/kg**  
 Smallest distance from peaks to all points 3 dB below = 6.1 mm  
 Ratio of SAR at M2 to SAR at M1 = 45.6%  
 Maximum value of SAR (measured) = 1.69 W/kg



0 dB = 1.69 W/kg = 2.28 dBW/kg

Date: 2023/11/11

**1278\_LTE Band 41\_QPSK20M\_Top Side\_0 mm\_Ch40185\_1RB\_0offset\_ANT Main\_Sample1**

**DUT: FM101-GL**

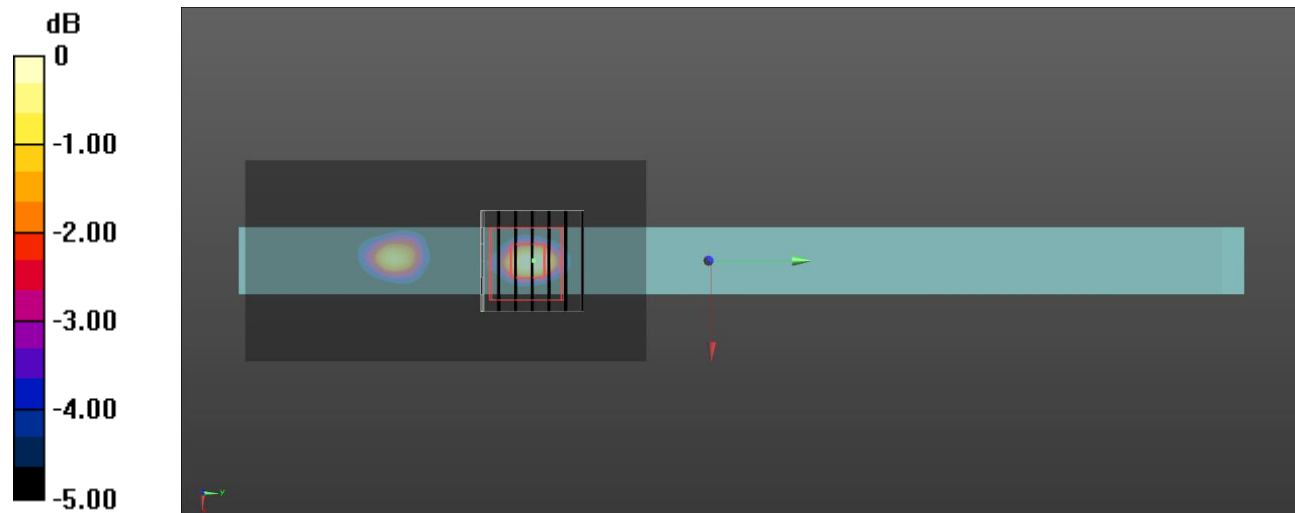
Communication System: UID 0, Generic LTE (0); Frequency: 2549.5 MHz; Duty Cycle: 1:1  
 Medium parameters used (interpolated):  $f = 2549.5$  MHz;  $\sigma = 1.911$  S/m;  $\epsilon_r = 38.743$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section  
 Measurement Standard: DASYS

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7647; ConvF(7.83, 7.83, 7.83) @ 2549.5 MHz; Calibrated: 2023/4/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1253; Calibrated: 2022/12/16
- Phantom: ELI; Type: QD OVA 002 AA; Serial: 1175
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Area Scan (51x101x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm  
 Maximum value of SAR (interpolated) = 1.95 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
 Reference Value = 31.88 V/m; Power Drift = -0.07 dB  
 Peak SAR (extrapolated) = 2.30 W/kg  
**SAR(1 g) = 0.983 W/kg; SAR(10 g) = 0.358 W/kg**  
 Smallest distance from peaks to all points 3 dB below = 6 mm  
 Ratio of SAR at M2 to SAR at M1 = 46.5%  
 Maximum value of SAR (measured) = 1.79 W/kg



0 dB = 1.79 W/kg = 2.53 dBW/kg

Date: 2023/11/12

**1293\_LTE Band 48\_QPSK20M\_Top Side\_0 mm\_Ch56207\_1RB\_0offset\_ANT Main\_Sample1**

**DUT: FM101-GL**

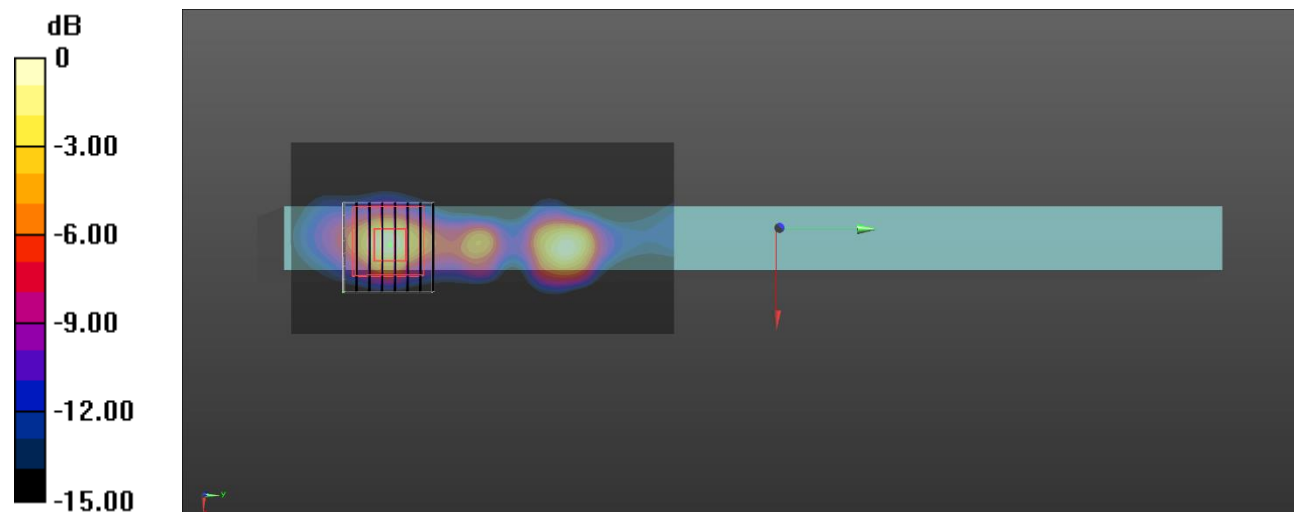
Communication System: UID 0, Generic LTE (0); Frequency: 3646.7 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 3647$  MHz;  $\sigma = 2.841$  S/m;  $\epsilon_r = 35.777$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section  
 Measurement Standard: DASYS5

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3847; ConvF(6.55, 6.62, 6.46) @ 3646.7 MHz; Calibrated: 2023/3/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2023/3/22
- Phantom: ELI; Type: QD OVA 002 AA; Serial: 1175
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Area Scan (61x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
 Maximum value of SAR (interpolated) = 2.11 W/kg

**Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm  
 Reference Value = 28.78 V/m; Power Drift = -0.16 dB  
 Peak SAR (extrapolated) = 3.08 W/kg  
**SAR(1 g) = 1.05 W/kg; SAR(10 g) = 0.310 W/kg**  
 Smallest distance from peaks to all points 3 dB below = 5.6 mm  
 Ratio of SAR at M2 to SAR at M1 = 75.7%  
 Maximum value of SAR (measured) = 2.18 W/kg



0 dB = 2.18 W/kg = 3.38 dBW/kg

Date: 2023/11/9

**1313\_LTE Band 66\_QPSK20M\_Top Side\_0 mm\_Ch132322\_1RB\_0offset\_ANT Main\_Sample1**

**DUT: FM101-GL**

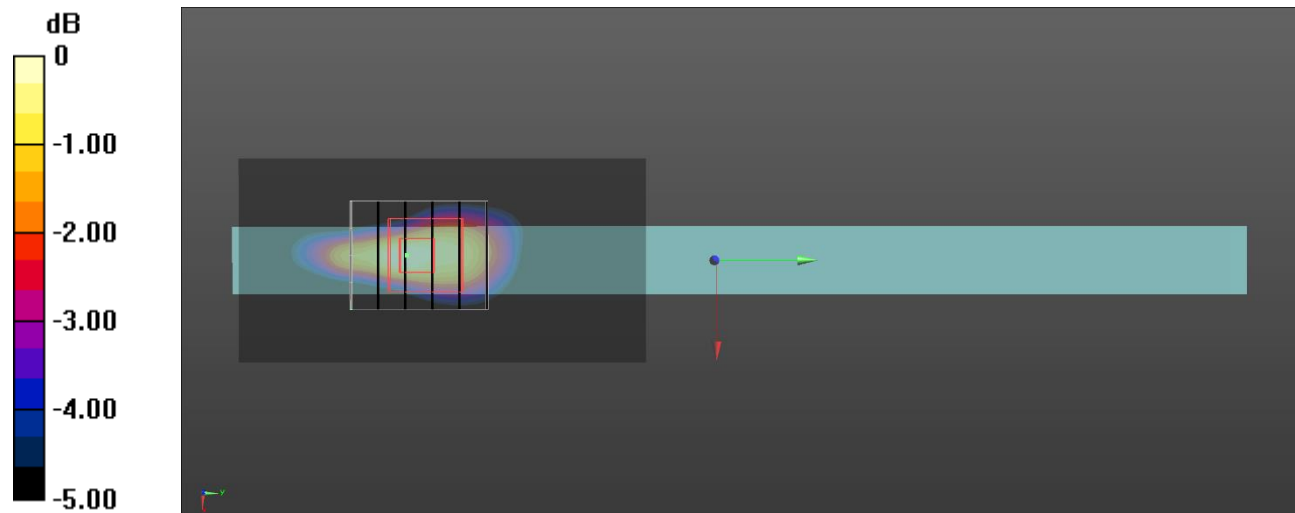
Communication System: UID 0, Generic LTE (0); Frequency: 1745 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 1745$  MHz;  $\sigma = 1.389$  S/m;  $\epsilon_r = 40.036$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section  
 Measurement Standard: DASYS

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7647; ConvF(8.89, 8.89, 8.89) @ 1745 MHz; Calibrated: 2023/4/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1253; Calibrated: 2022/12/16
- Phantom: ELI; Type: QD OVA 002 AA; Serial: 1175
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Area Scan (41x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
 Maximum value of SAR (interpolated) = 1.52 W/kg

**Zoom Scan (5x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
 Reference Value = 33.39 V/m; Power Drift = 0.03 dB  
 Peak SAR (extrapolated) = 1.79 W/kg  
**SAR(1 g) = 0.930 W/kg; SAR(10 g) = 0.505 W/kg**  
 Smallest distance from peaks to all points 3 dB below = 9.3 mm  
 Ratio of SAR at M2 to SAR at M1 = 51.4%  
 Maximum value of SAR (measured) = 1.48 W/kg



0 dB = 1.48 W/kg = 1.70 dBW/kg

Date: 2023/11/7

**1336\_LTE Band 71\_QPSK20M\_Top Side\_0 mm\_Ch133322\_1RB\_0offset\_ANT Main\_Sample1**

**DUT: FM101-GL**

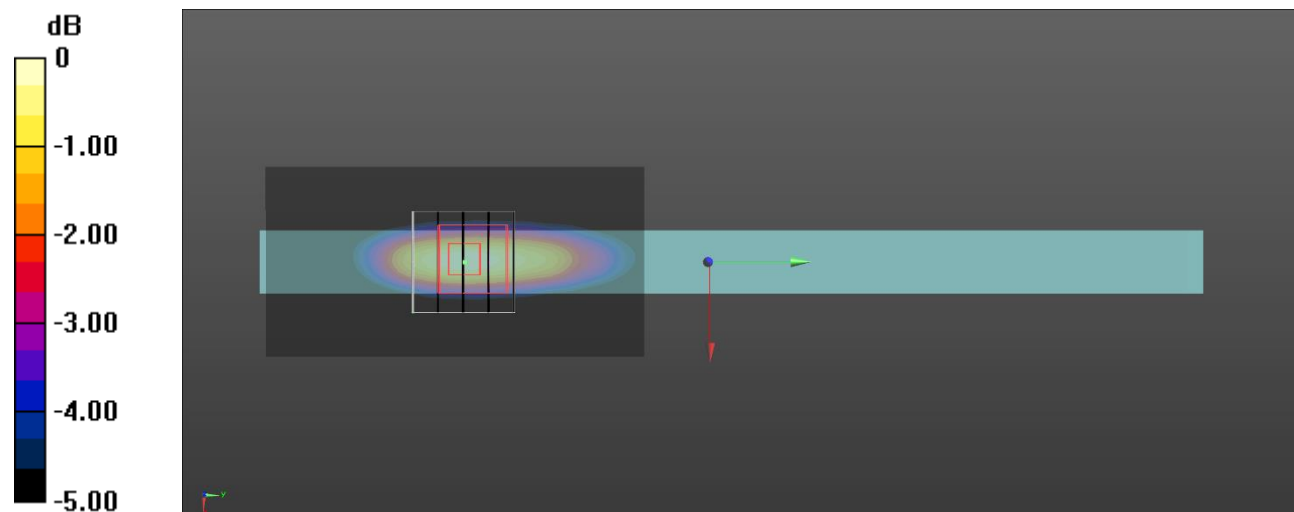
Communication System: UID 0, Generic LTE (0); Frequency: 683 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 683 \text{ MHz}$ ;  $\sigma = 0.897 \text{ S/m}$ ;  $\epsilon_r = 42.446$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Phantom section: Flat Section  
 Measurement Standard: DASYS5

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7647; ConvF(9.98, 9.98, 9.98) @ 683 MHz; Calibrated: 2023/4/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1253; Calibrated: 2022/12/16
- Phantom: ELI; Type: QD OVA 002 AA; Serial: 1175
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Area Scan (41x81x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$   
 Maximum value of SAR (interpolated) = 1.17 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$   
 Reference Value = 37.67 V/m; Power Drift = -0.02 dB  
 Peak SAR (extrapolated) = 1.44 W/kg  
**SAR(1 g) = 0.726 W/kg; SAR(10 g) = 0.412 W/kg**  
 Smallest distance from peaks to all points 3 dB below = 9.6 mm  
 Ratio of SAR at M2 to SAR at M1 = 50.3%  
 Maximum value of SAR (measured) = 1.17 W/kg



0 dB = 1.17 W/kg = 0.68 dBW/kg



Date: 2023/11/2

**7\_WLAN 2.4 GHz\_802.11b\_Bottom of laptop\_0mm\_Ch1\_ANT 1\_Sample1**

**DUT: FM101-GL**

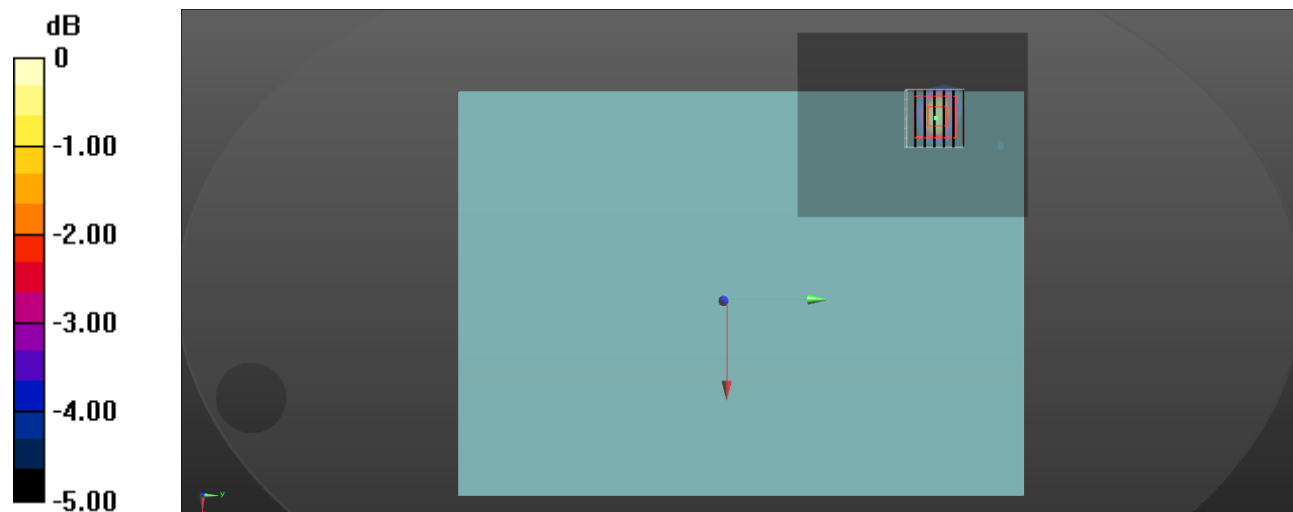
Communication System: UID 0, IEEE 802.11b (0); Frequency: 2412 MHz;Duty Cycle: 1:1  
Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.779$  S/m;  $\epsilon_r = 38.211$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section  
Measurement Standard: DASYS

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7647; ConvF(8.05, 8.05, 8.05) @ 2412 MHz; Calibrated: 2023/4/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1253; Calibrated: 2022/12/16
- Phantom: ELI; Type: QD OVA 002 AA; Serial: 1175
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Area Scan (81x101x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm  
Maximum value of SAR (interpolated) = 1.74 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 28.18 V/m; Power Drift = 0.10 dB  
Peak SAR (extrapolated) = 2.47 W/kg  
**SAR(1 g) = 1.05 W/kg; SAR(10 g) = 0.455 W/kg**  
Smallest distance from peaks to all points 3 dB below = 8 mm  
Ratio of SAR at M2 to SAR at M1 = 44.4%  
Maximum value of SAR (measured) = 1.90 W/kg



0 dB = 1.90 W/kg = 2.79 dBW/kg

Date: 2023/11/2

**28\_Bluetooth\_GFSK\_Bottom of laptop\_0mm\_Ch78\_ANT 1\_Sample1**

**DUT: FM101-GL**

Communication System: UID 0, Bluetooth 3.0 (0); Frequency: 2480 MHz; Duty Cycle: 1:1.29  
 Medium parameters used:  $f = 2480$  MHz;  $\sigma = 1.828$  S/m;  $\epsilon_r = 38.112$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section  
 Measurement Standard: DASY5

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN7647; ConvF(8.05, 8.05, 8.05) @ 2480 MHz; Calibrated: 2023/4/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1253; Calibrated: 2022/12/16
- Phantom: ELI; Type: QD OVA 002 AA; Serial: 1175
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Area Scan (81x101x1):** Interpolated grid:  $dx=1.200$  mm,  $dy=1.200$  mm  
 Maximum value of SAR (interpolated) = 0.0661 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm  
 Reference Value = 6.191 V/m; Power Drift = 0.12 dB

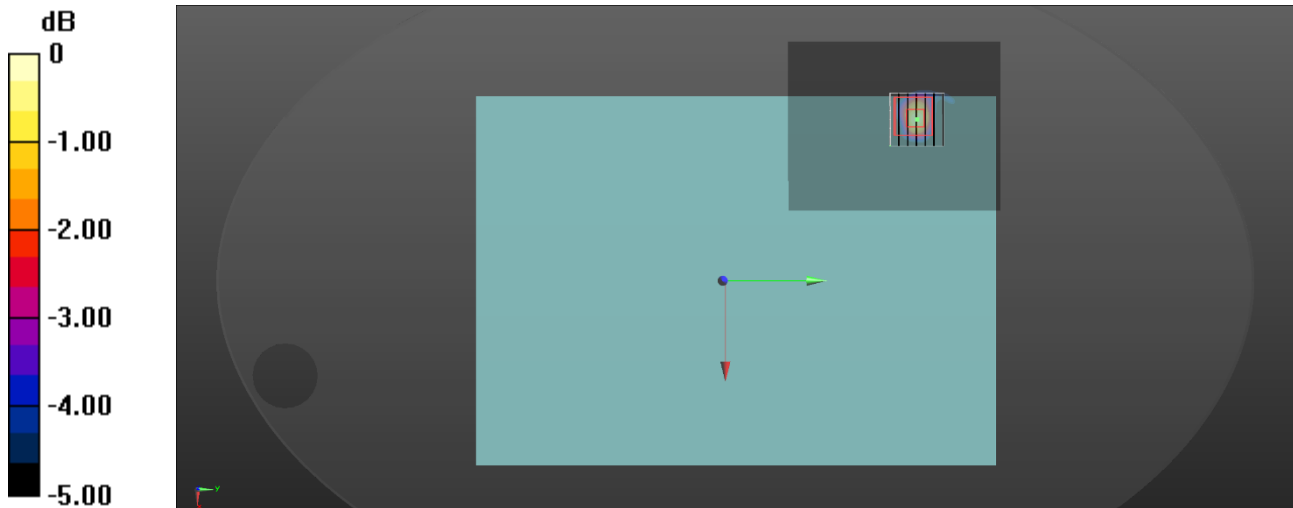
Peak SAR (extrapolated) = 0.0900 W/kg

**SAR(1 g) = 0.039 W/kg; SAR(10 g) = 0.018 W/kg**

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid (> 15 mm)

Ratio of SAR at M2 to SAR at M1 = 44.7%

Maximum value of SAR (measured) = 0.0701 W/kg



0 dB = 0.0701 W/kg = -11.54 dBW/kg

Date: 2023/12/27

**2002\_WLAN 5 GHz\_802.11ac VHT80\_Front Side of laptop\_0mm\_Ch42\_ANT 1\_Sample1**

**DUT: FM101-GL**

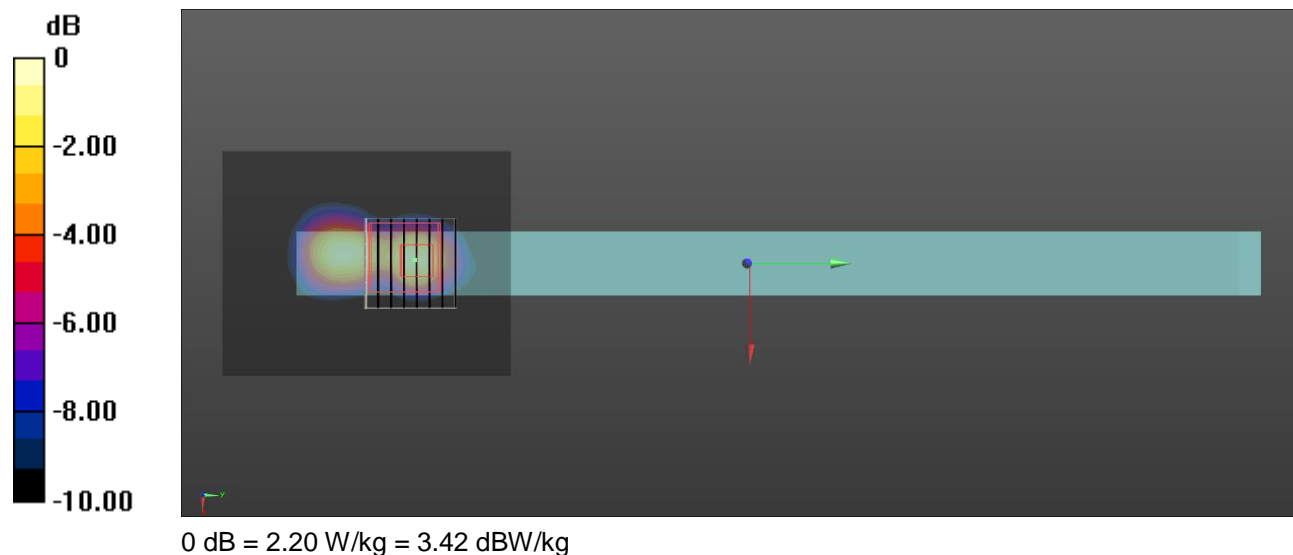
Communication System: UID 0, IEEE 802.11ac(5GHz)VHT80 (0); Frequency: 5210 MHz;Duty Cycle: 1:1.009  
Medium parameters used:  $f = 5210$  MHz;  $\sigma = 4.522$  S/m;  $\epsilon_r = 35.537$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section  
Measurement Standard: DASYS

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3847; ConvF(5.24, 5.27, 5.14) @ 5210 MHz; Calibrated: 2023/3/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2023/3/22
- Phantom: ELI; Type: QD OVA 002 AA; Serial: 1175
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Area Scan (71x91x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 2.01 W/kg

**Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm  
Reference Value = 18.37 V/m; Power Drift = 0.16 dB  
Peak SAR (extrapolated) = 3.63 W/kg  
**SAR(1 g) = 0.902 W/kg; SAR(10 g) = 0.269 W/kg**  
Smallest distance from peaks to all points 3 dB below = 6.1 mm  
Ratio of SAR at M2 to SAR at M1 = 65.8%  
Maximum value of SAR (measured) = 2.20 W/kg



Date: 2023/12/27

**2003\_WLAN 5 GHz\_802.11ac VHT160\_Front Side of laptop\_0mm\_Ch50\_ANT 1\_Sample1**

**DUT: FM101-GL**

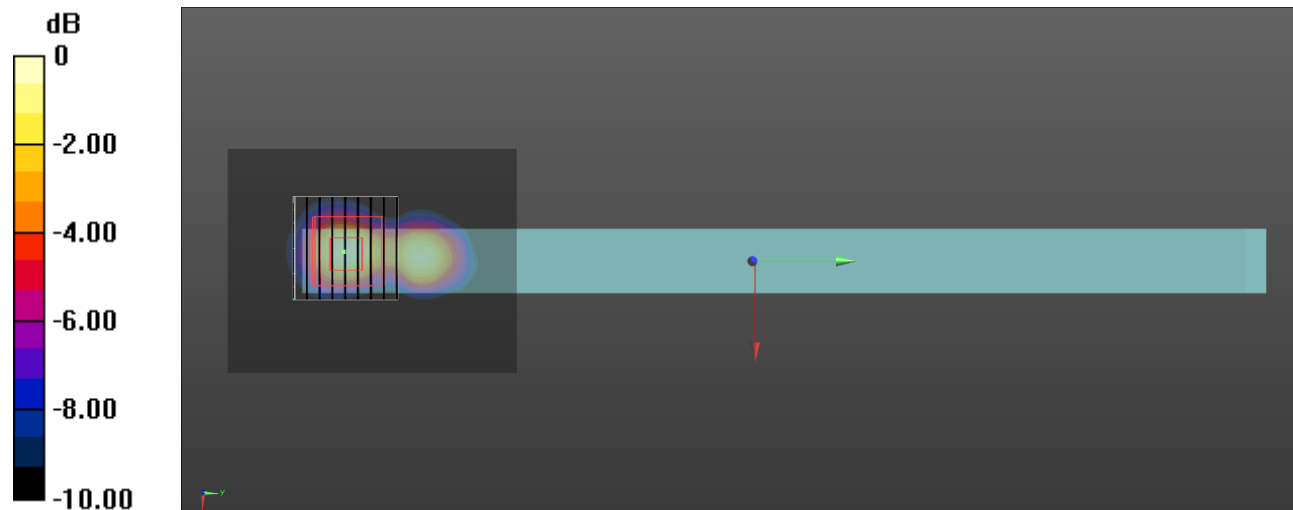
Communication System: UID 0, IEEE 802.11ac(5GHz)VHT160 (0); Frequency: 5250 MHz;Duty Cycle: 1:1.01  
Medium parameters used:  $f = 5250$  MHz;  $\sigma = 4.581$  S/m;  $\epsilon_r = 35.406$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section  
Measurement Standard: DASYS

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3847; ConvF(5.24, 5.27, 5.14) @ 5250 MHz; Calibrated: 2023/3/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2023/3/22
- Phantom: ELI; Type: QD OVA 002 AA; Serial: 1175
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Area Scan (71x91x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 2.10 W/kg

**Zoom Scan (9x9x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm  
Reference Value = 17.99 V/m; Power Drift = 0.12 dB  
Peak SAR (extrapolated) = 3.57 W/kg  
**SAR(1 g) = 0.933 W/kg; SAR(10 g) = 0.292 W/kg**  
Smallest distance from peaks to all points 3 dB below = 6.4 mm  
Ratio of SAR at M2 to SAR at M1 = 66.1%  
Maximum value of SAR (measured) = 2.12 W/kg



0 dB = 2.12 W/kg = 3.26 dBW/kg

Date: 2023/12/27

**2004\_WLAN 5 GHz\_802.11ac VHT160\_Front Side of laptop\_0mm\_Ch114\_ANT 1\_Sample1**

**DUT: FM101-GL**

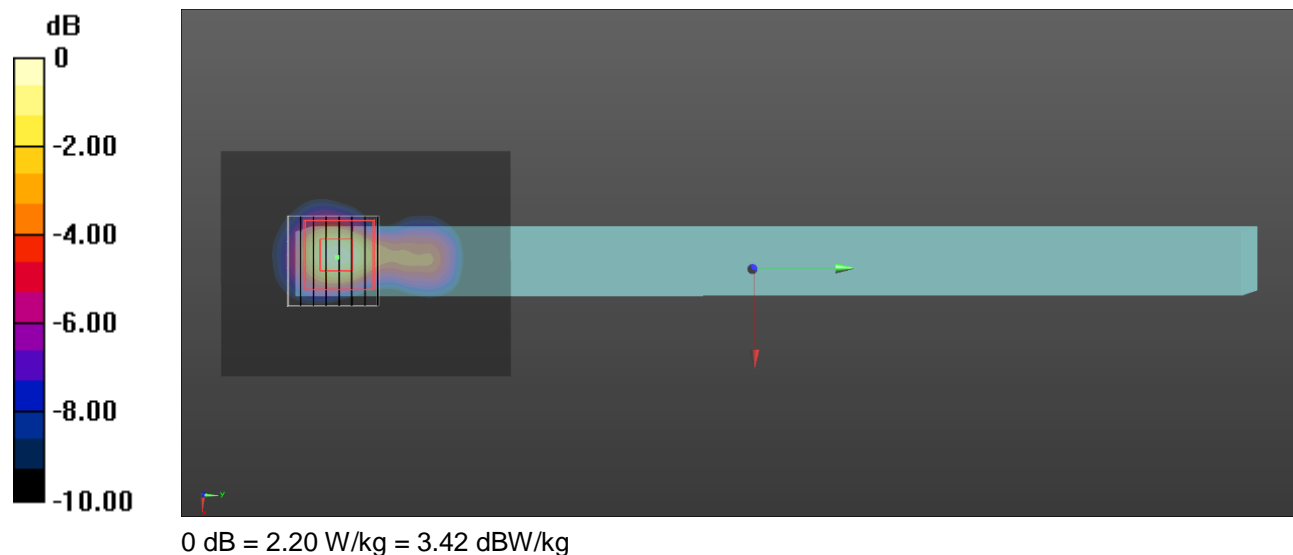
Communication System: UID 0, IEEE 802.11ac(5GHz)VHT160 (0); Frequency: 5570 MHz;Duty Cycle: 1:1.009  
Medium parameters used:  $f = 5570$  MHz;  $\sigma = 4.894$  S/m;  $\epsilon_r = 35.128$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section  
Measurement Standard: DASYS

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3847; ConvF(4.5, 4.5, 4.41) @ 5570 MHz; Calibrated: 2023/3/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2023/3/22
- Phantom: ELI; Type: QD OVA 002 AA; Serial: 1175
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Area Scan (71x91x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 2.14 W/kg

**Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm  
Reference Value = 20.72 V/m; Power Drift = 0.06 dB  
Peak SAR (extrapolated) = 3.51 W/kg  
**SAR(1 g) = 0.895 W/kg; SAR(10 g) = 0.284 W/kg**  
Smallest distance from peaks to all points 3 dB below = 7.2 mm  
Ratio of SAR at M2 to SAR at M1 = 64.5%  
Maximum value of SAR (measured) = 2.20 W/kg



Date: 2023/12/27

**2006\_WLAN 5 GHz\_802.11ac VHT160\_Front Side of laptop\_0mm\_Ch163\_ANT 1\_Sample1**

**DUT: FM101-GL**

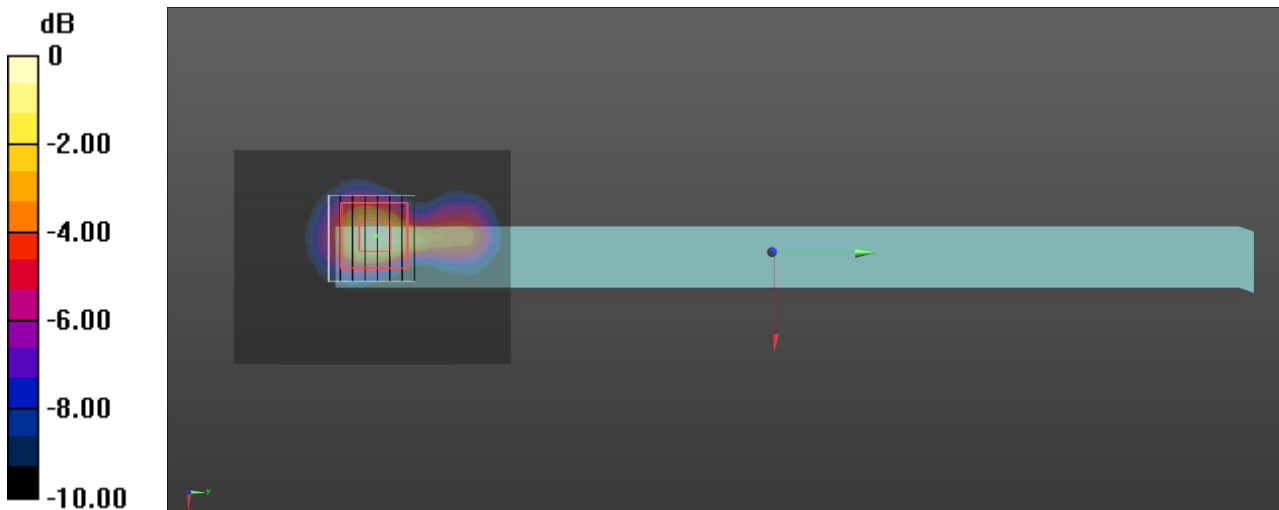
Communication System: UID 0, IEEE 802.11ac(5GHz)VHT160 (0); Frequency: 5815 MHz;Duty Cycle: 1:1.009  
Medium parameters used:  $f = 5815$  MHz;  $\sigma = 5.111$  S/m;  $\epsilon_r = 34.624$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section  
Measurement Standard: DASYS

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3847; ConvF(4.62, 4.66, 4.53) @ 5815 MHz; Calibrated: 2023/3/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2023/3/22
- Phantom: ELI; Type: QD OVA 002 AA; Serial: 1175
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Area Scan (71x91x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 2.52 W/kg

**Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm  
Reference Value = 22.07 V/m; Power Drift = -0.13 dB  
Peak SAR (extrapolated) = 4.10 W/kg  
**SAR(1 g) = 1.01 W/kg; SAR(10 g) = 0.325 W/kg**  
Smallest distance from peaks to all points 3 dB below = 7.2 mm  
Ratio of SAR at M2 to SAR at M1 = 62.6%  
Maximum value of SAR (measured) = 2.37 W/kg



0 dB = 2.37 W/kg = 3.75 dBW/kg

Test Date : 2023-11-1 | Ambient Temp : 22.8 °C | Tissue Temp : 22.2 °C

**Test Mode**

**188\_WLAN 6 GHz\_802.11ax HE160\_Left Side\_0mm\_Ch111\_ANT 0\_Sample1**

**Device Under Test Properties**

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
FIBOCOM	FM101-GL	R8NTLP00062935B	Left Side

**Exposure Conditions**

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	U-NII-6	WLAN, 10755 - AAC	6505.0, 111	5.65	5.90	33.0

**Hardware Setup**

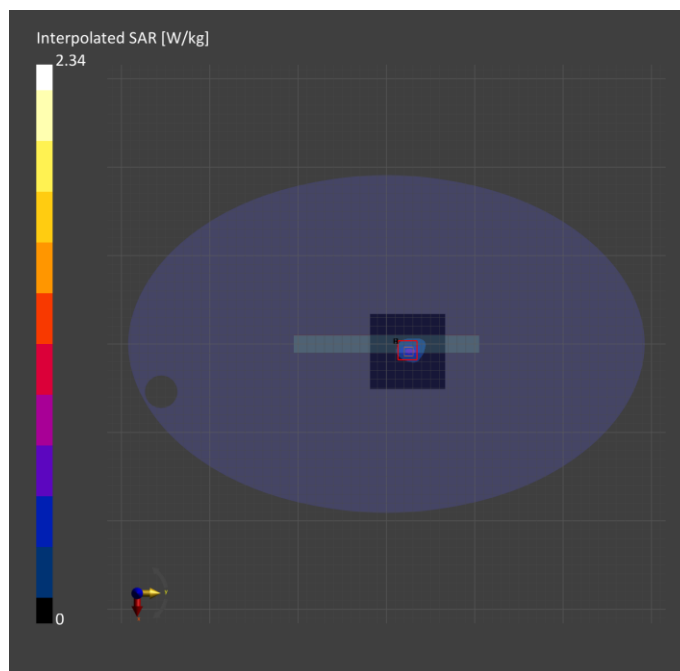
Phantom	Tissue Simulating Liquid	Probe   Calibration Date	DAE   Calibration Date
ELI V5.0 (20deg probe tilt) - 1175	H51T71N2	EX3DV4 - SN7647 / 2023-04-26	DAE4 Sn1253 / 2022-12-16

**Scan Setup**

	Area Scan	Zoom Scan
Grid Extents [mm]	85.0 x 85.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

**Measurement Results**

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.475	<b>0.465</b>
psSAR-10g [W/kg]	0.161	<b>0.152</b>
psAPD (1.0 cm <sup>2</sup> , sq) [W/m <sup>2</sup> ]		<b>4.65</b>
psAPD (4.0 cm <sup>2</sup> , sq) [W/m <sup>2</sup> ]		<b>3.50</b>
Power Drift [dB]		-0.04
TSL Correction	Positive only	Positive only
M2 / M1 [%]		48.9
Dist 3dB Peak [mm]		6.5



Test Date : 2023-11-03 | Ambient Temp : 22.9 °C

**Test Mode**

**252\_WLAN 6 GHz\_802.11ax HE160\_Left Side\_2mm\_Ch111\_ANT 0\_Sample1**

**Device Under Test Properties**

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
FIBOCOM	FM101-GL	R8NTLP00062935B	Left Side

**Exposure Conditions**

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G	U-NII-6	WLAN, 10755 - AAC	6505.0, 111	1.0

**Hardware Setup**

Phantom	Medium	Probe   Calibration Date	DAE   Calibration Date
mmWave - 5G Phantom	Air	EUmmWV4 - SN9639_F1-55GHz / 2023-08-18	DAE4 Sn1253 / 2022-12-16

**Scan Setup**

	5G Scan
Grid Extents [mm]	92.0 x 92.0
Grid Steps [mm]	0.0542 x 0.0542
Sensor Surface [mm]	2.0

**Measurement Results**

	5G Scan
Avg. Area [cm <sup>2</sup> ]	4.00
psPD n+ [W/m <sup>2</sup> ]	<b>3.92</b>
psPD tot+ [W/m <sup>2</sup> ]	<b>7.47</b>
psPD mod+ [W/m <sup>2</sup> ]	13.8
E max [V/m]	99.5
Power Drift [dB]	-0.03

