

#01_WCDMA II_RMC 12.2Kbps_Bottom Face_0mm_Ch9262

Communication System: WCDMA ; Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium: HSL_1900_200404 Medium parameters used : $f = 1852.4$ MHz; $\sigma = 1.374$ S/m; $\epsilon_r = 39.363$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C ; Liquid Temperature : 22.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3925; ConvF(8.35, 8.35, 8.35) @ 1852.4 MHz; Calibrated: 2019/9/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2019/5/21
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1131
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

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

Maximum value of SAR (interpolated) = 1.93 W/kg

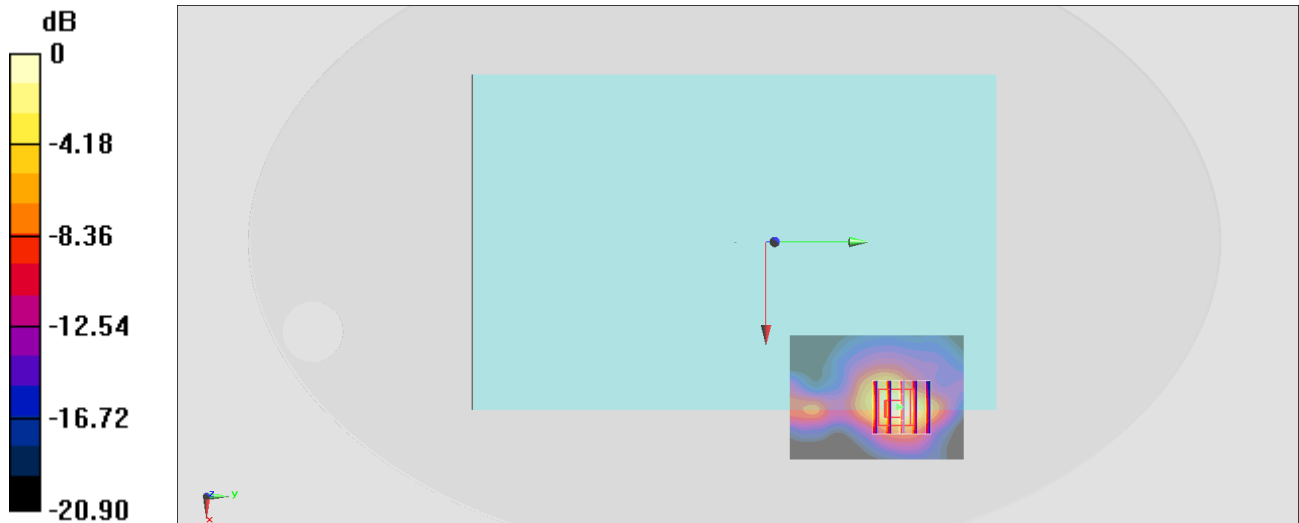
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.02 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 2.28 W/kg

SAR(1 g) = 1.09 W/kg; SAR(10 g) = 0.515 W/kg

Maximum value of SAR (measured) = 1.84 W/kg



#02_WCDMA IV_RMC 12.2Kbps_Bottom Face_0mm_Ch1513

Communication System: WCDMA; Frequency: 1752.6 MHz; Duty Cycle: 1:1

Medium: HSL_1750_200404 Medium parameters used: $f = 1753$ MHz; $\sigma = 1.372$ S/m; $\epsilon_r = 40.596$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C ; Liquid Temperature : 22.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3925; ConvF(8.7, 8.7, 8.7) @ 1752.6 MHz; Calibrated: 2019/9/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2019/5/21
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1131
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

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

Maximum value of SAR (interpolated) = 2.09 W/kg

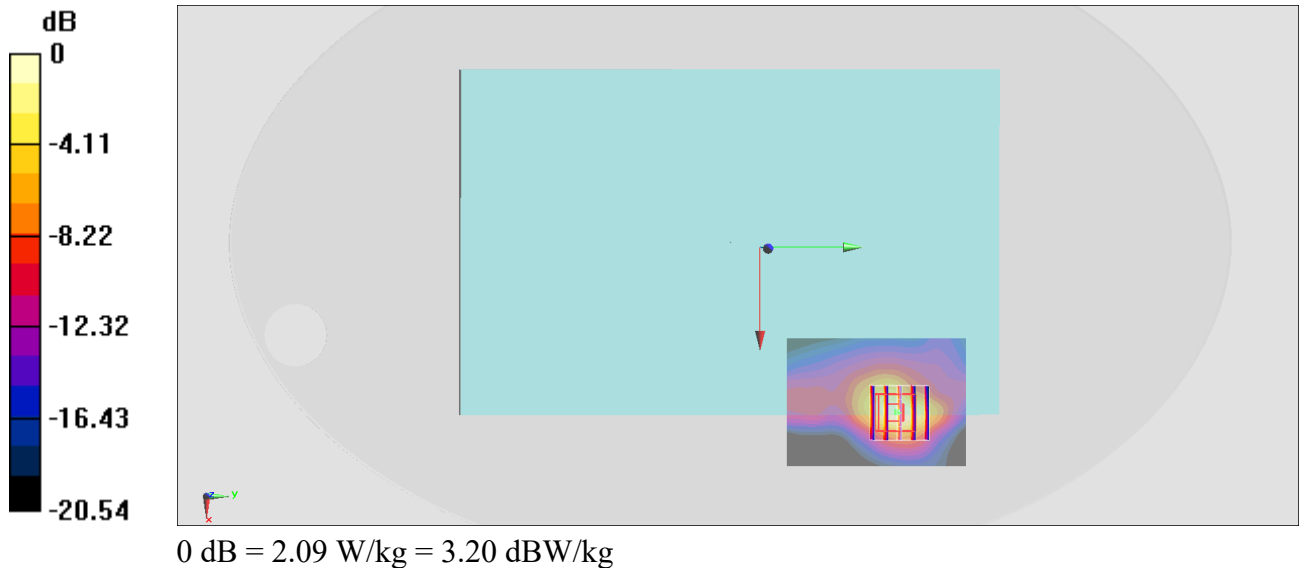
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.62 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 2.58 W/kg

SAR(1 g) = 1.21 W/kg; SAR(10 g) = 0.576 W/kg

Maximum value of SAR (measured) = 2.09 W/kg



#03_WCDMA V_RMC 12.2Kbps_Bottom Face_0mm_Ch4132

Communication System: WCDMA; Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium: HSL_850_200405 Medium parameters used: $f = 826.4$ MHz; $\sigma = 0.93$ S/m; $\epsilon_r = 43.451$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3925; ConvF(10.12, 10.12, 10.12) @ 826.4 MHz; Calibrated: 2019/9/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2019/5/21
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1131
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (51x91x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

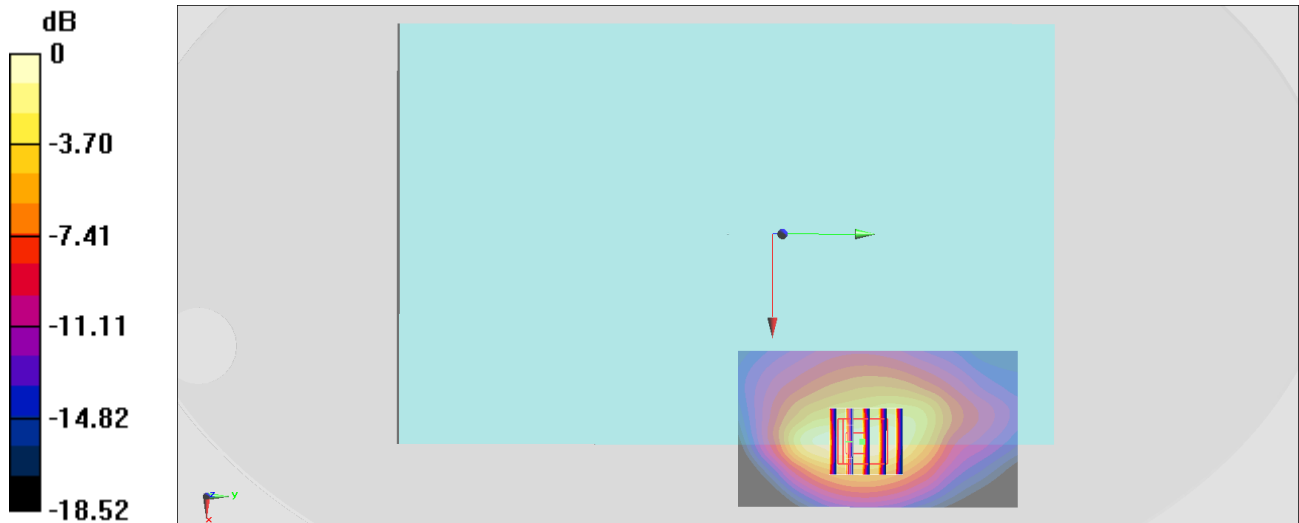
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 36.16 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.81 W/kg

SAR(1 g) = 0.936 W/kg; SAR(10 g) = 0.533 W/kg

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



0 dB = 1.49 W/kg = 1.73 dBW/kg

#04_LTE Band 4_20M_QPSK_1_0_Bottom Face_0mm_Ch20175

Communication System: LTE ; Frequency: 1732.5 MHz;Duty Cycle: 1:1

Medium: HSL_1750_200404 Medium parameters used: $f = 1733$ MHz; $\sigma = 1.354$ S/m; $\epsilon_r = 40.635$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C ; Liquid Temperature : 22.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3925; ConvF(8.7, 8.7, 8.7) @ 1732.5 MHz; Calibrated: 2019/9/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2019/5/21
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1131
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

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

Maximum value of SAR (interpolated) = 1.81 W/kg

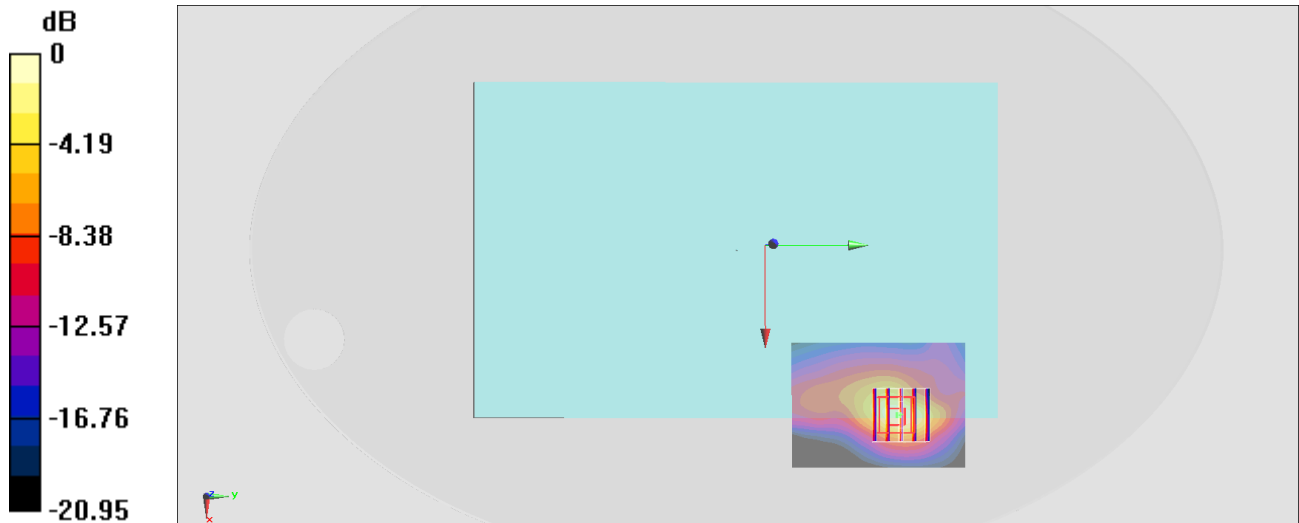
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.45 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 2.19 W/kg

SAR(1 g) = 1.03 W/kg; SAR(10 g) = 0.495 W/kg

Maximum value of SAR (measured) = 1.75 W/kg



0 dB = 1.81 W/kg = 2.58 dBW/kg

#05_LTE Band 7_20M_QPSK_1_0_Edge 1_0mm_Ch21350

Communication System: LTE; Frequency: 2560 MHz; Duty Cycle: 1:1

Medium: HSL_2600_200406 Medium parameters used: $f = 2560$ MHz; $\sigma = 2.001$ S/m; $\epsilon_r = 38.737$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 22.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3925; ConvF(7.5, 7.5, 7.5) @ 2560 MHz; Calibrated: 2019/9/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2019/5/21
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1131
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (41x131x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 2.35 W/kg

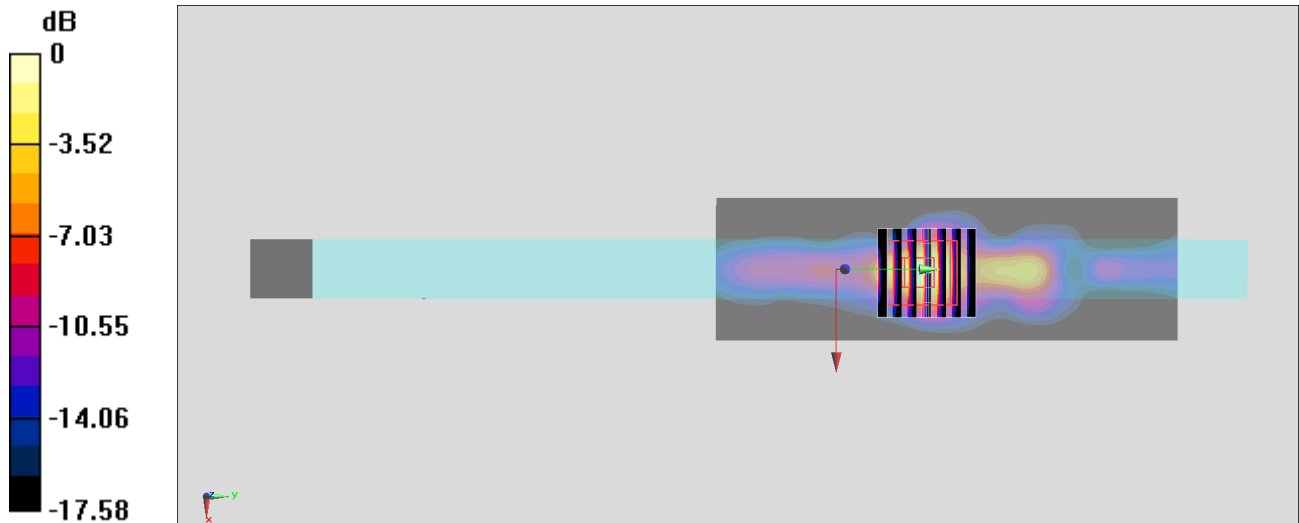
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.66 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 3.37 W/kg

SAR(1 g) = 1.14 W/kg; SAR(10 g) = 0.407 W/kg

Maximum value of SAR (measured) = 2.38 W/kg



0 dB = 2.35 W/kg = 3.71 dBW/kg

#06_LTE Band 12_10M_QPSK_1_0_Edge 1_0mm_Ch23095

Communication System: LTE ; Frequency: 707.5 MHz; Duty Cycle: 1:1

Medium: HSL_750_200405 Medium parameters used : $f = 707.5$ MHz; $\sigma = 0.887$ S/m; $\epsilon_r = 44.004$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3925; ConvF(10.33, 10.33, 10.33) @ 707.5 MHz; Calibrated: 2019/9/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2019/5/21
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1131
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (41x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.10 W/kg

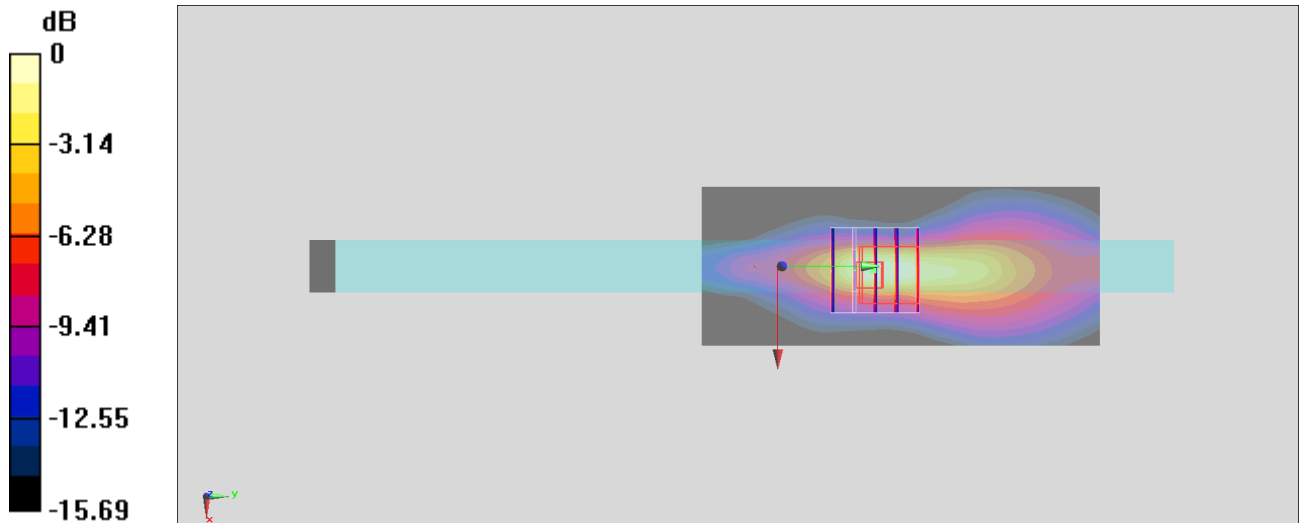
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.42 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 3.69 W/kg

SAR(1 g) = 1.07 W/kg; SAR(10 g) = 0.469 W/kg

Maximum value of SAR (measured) = 2.52 W/kg



0 dB = 2.10 W/kg = 3.22 dBW/kg

#07_LTE Band 13_10M_QPSK_1_0_Bottom Face_0mm_Ch23230

Communication System: LTE ; Frequency: 782 MHz;Duty Cycle: 1:1

Medium: HSL_750_200405 Medium parameters used: $f = 782 \text{ MHz}$; $\sigma = 0.912 \text{ S/m}$; $\epsilon_r = 43.529$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.6°C ; Liquid Temperature : 22.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3925; ConvF(10.33, 10.33, 10.33) @ 782 MHz; Calibrated: 2019/9/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2019/5/21
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1131
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

Area Scan (51x81x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 1.72 W/kg

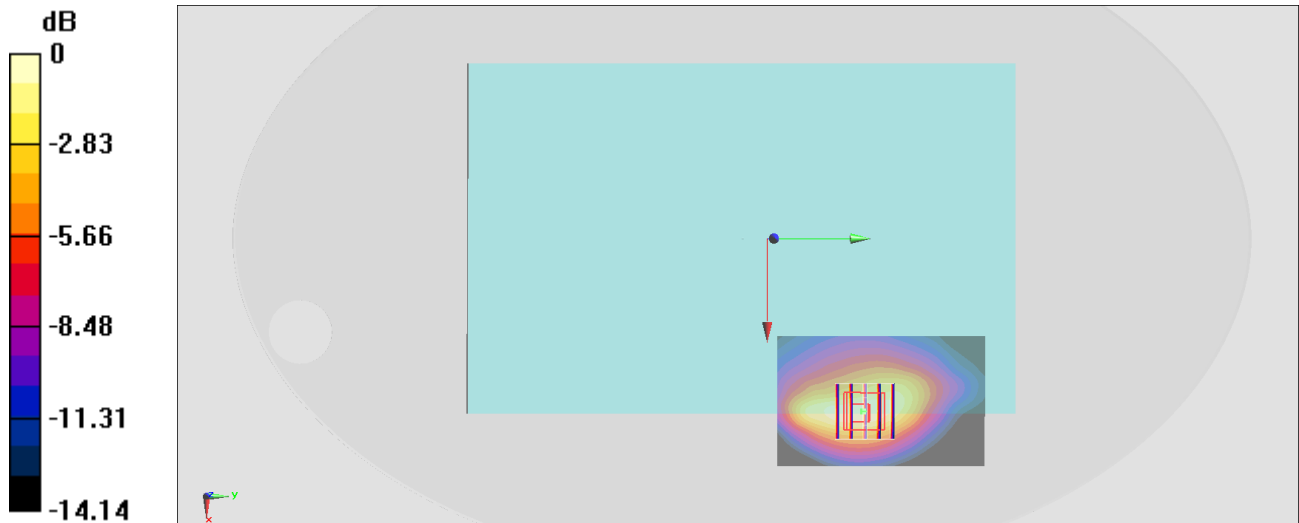
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 40.35 V/m ; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 2.04 W/kg

SAR(1 g) = 1.1 W/kg ; SAR(10 g) = 0.635 W/kg

Maximum value of SAR (measured) = 1.69 W/kg



#08_LTE Band 25_20M_QPSK_1_0_Bottom Face_0mm_Ch26140

Communication System: LTE ; Frequency: 1860 MHz; Duty Cycle: 1:1

Medium: HSL_1900_200404 Medium parameters used: $f = 1860$ MHz; $\sigma = 1.381$ S/m; $\epsilon_r = 39.343$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C ; Liquid Temperature : 22.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3925; ConvF(8.35, 8.35, 8.35) @ 1860 MHz; Calibrated: 2019/9/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2019/5/21
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1131
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

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

Maximum value of SAR (interpolated) = 1.63 W/kg

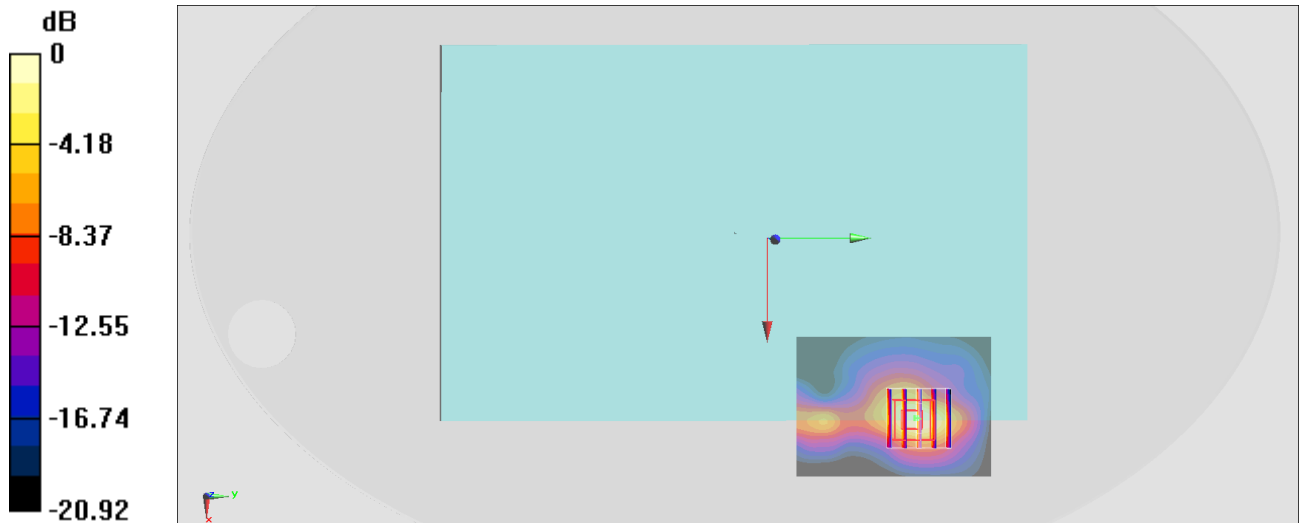
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.94 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 2.23 W/kg

SAR(1 g) = 1.07 W/kg; SAR(10 g) = 0.499 W/kg

Maximum value of SAR (measured) = 1.81 W/kg



#09_LTE Band 26_15M_QPSK_1_0_Bottom Face_0mm_Ch26865

Communication System: LTE ; Frequency: 831.5 MHz;Duty Cycle: 1:1

Medium: HSL_850_200405 Medium parameters used : $f = 831.5$ MHz; $\sigma = 0.932$ S/m; $\epsilon_r = 43.425$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3925; ConvF(10.12, 10.12, 10.12) @ 831.5 MHz; Calibrated: 2019/9/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2019/5/21
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1131
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

Area Scan (51x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.55 W/kg

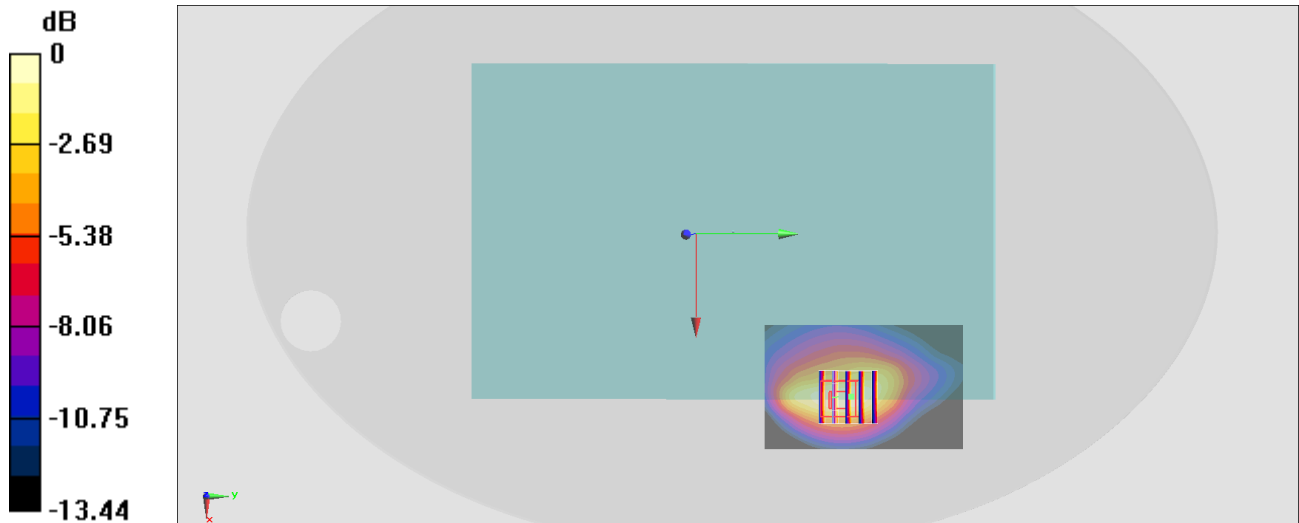
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 37.57 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 1.86 W/kg

SAR(1 g) = 0.982 W/kg; SAR(10 g) = 0.563 W/kg

Maximum value of SAR (measured) = 1.52 W/kg



0 dB = 1.55 W/kg = 1.90 dBW/kg

#10_LTE Band 41_20M_QPSK_1_0_Edge 1_0mm_Ch41055

Communication System: LTE ; Frequency: 2636.5 MHz; Duty Cycle: 1:1.59

Medium: HSL_2600_200406 Medium parameters used : $f = 2636.5$ MHz; $\sigma = 2.084$ S/m; $\epsilon_r = 38.374$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 22.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3925; ConvF(7.5, 7.5, 7.5) @ 2636.5 MHz; Calibrated: 2019/9/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2019/5/21
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1131
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (41x131x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 2.76 W/kg

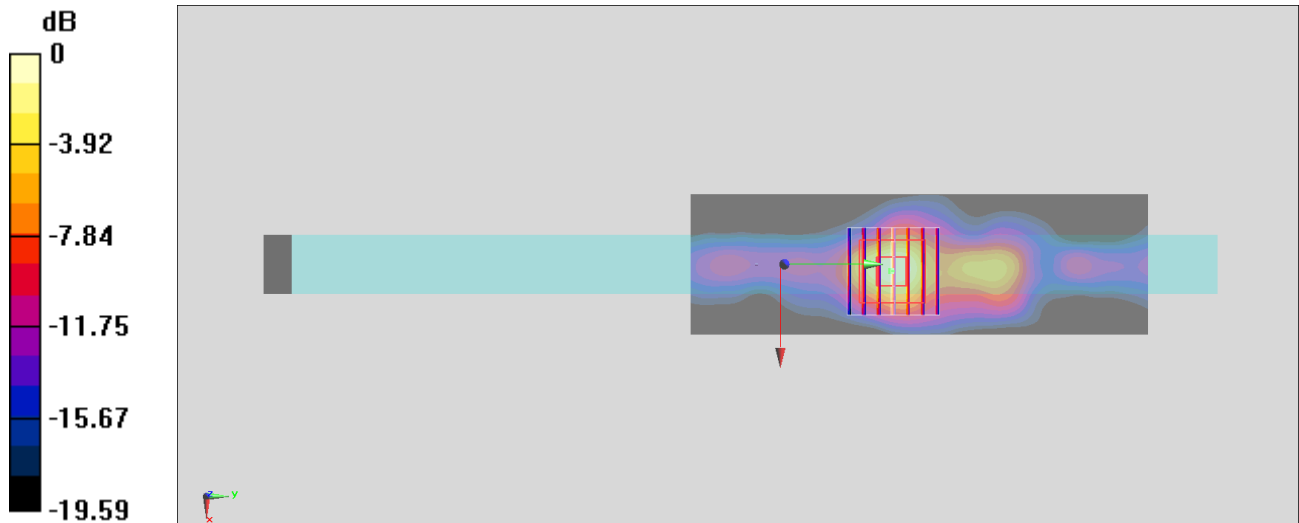
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 25.25 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 3.55 W/kg

SAR(1 g) = 1.28 W/kg; SAR(10 g) = 0.477 W/kg

Maximum value of SAR (measured) = 2.62 W/kg



0 dB = 2.76 W/kg = 4.41 dBW/kg

#11_WLAN2.4GHz_802.11b 1Mbps_Bottom Face_0mm_Ch1;Ant 2

Communication System: 802.11b; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium: HSL_2450_200415 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.806$ S/m; $\epsilon_r = 39.216$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.7 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3925; ConvF(7.6, 7.6, 7.6) @ 2412 MHz; Calibrated: 2019/9/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2019/5/21
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1131
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (101x71x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 0.634 W/kg

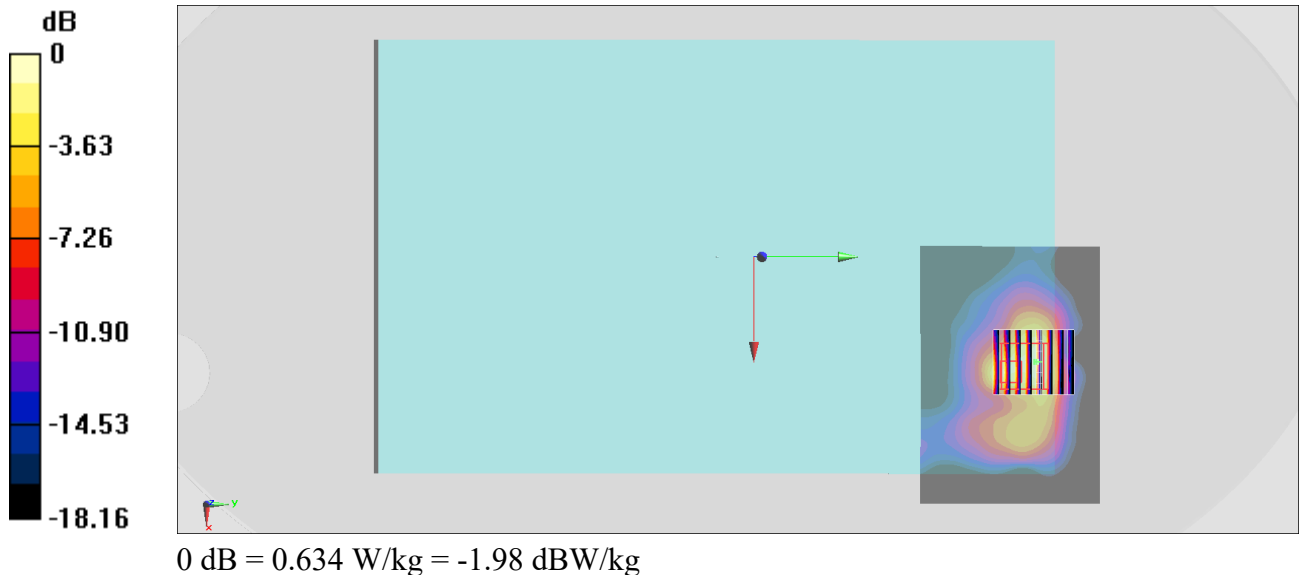
Zoom Scan (7x8x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 17.56 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.811 W/kg

SAR(1 g) = 0.363 W/kg; SAR(10 g) = 0.171 W/kg

Maximum value of SAR (measured) = 0.607 W/kg



#12_WLAN5GHz_802.11ac-VHT160 MCS0_Edge 2_0mm_Ch50;Ant 2

Communication System: 802.11ac ; Frequency: 5250 MHz;Duty Cycle: 1:1

Medium: HSL_5G_200415 Medium parameters used : $f = 5250$ MHz; $\sigma = 4.502$ S/m; $\epsilon_r = 35.631$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.7 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3925; ConvF(5.49, 5.49, 5.49) @ 5250 MHz; Calibrated: 2019/9/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2019/5/21
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

Area Scan (81x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 2.37 W/kg

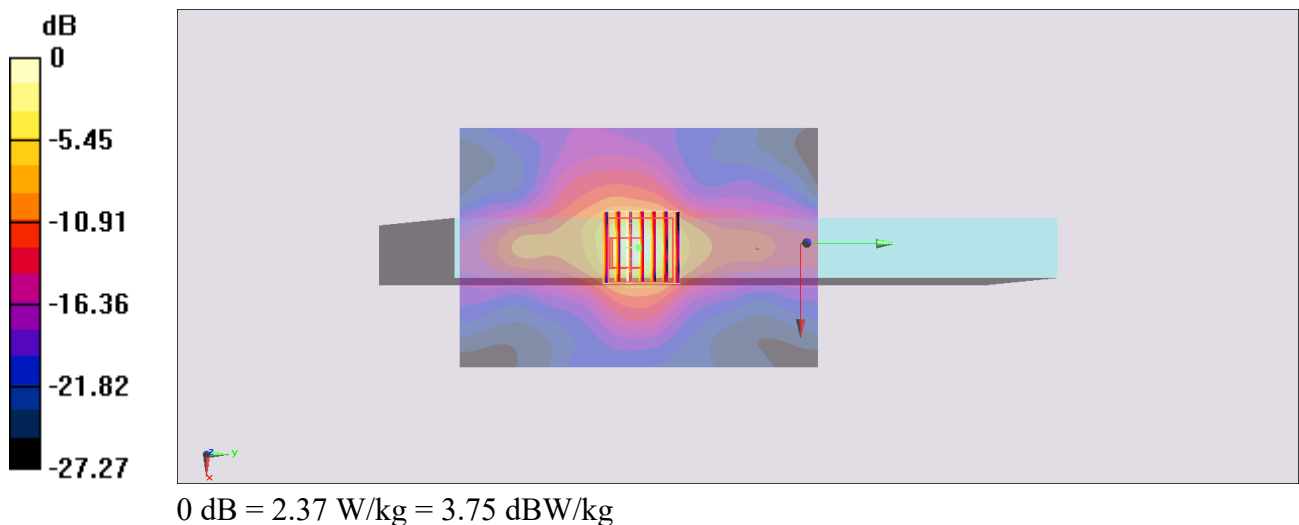
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 14.42 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 8.42 W/kg

SAR(1 g) = 1.14 W/kg; SAR(10 g) = 0.281 W/kg

Maximum value of SAR (measured) = 2.85 W/kg



#13_WLAN5GHz_802.11ac-VHT160 MCS0_Edge 2_0mm_Ch114;Ant 2

Communication System: 802.11ac ; Frequency: 5570 MHz;Duty Cycle: 1:1

Medium: HSL_5G_200415 Medium parameters used : $f = 5570$ MHz; $\sigma = 4.811$ S/m; $\epsilon_r = 35.208$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.7 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3925; ConvF(4.89, 4.89, 4.89) @ 5570 MHz; Calibrated: 2019/9/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2019/5/21
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

Area Scan (81x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 2.82 W/kg

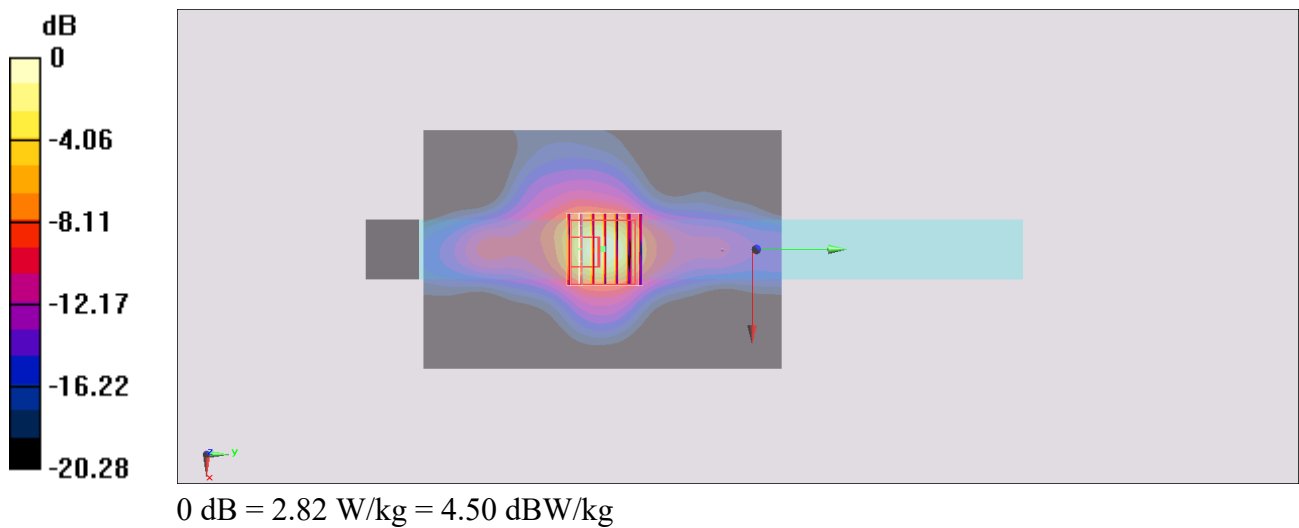
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 12.76 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 7.24 W/kg

SAR(1 g) = 1.13 W/kg; SAR(10 g) = 0.273 W/kg

Maximum value of SAR (measured) = 3.21 W/kg



#14_WLAN5GHz_802.11ac-VHT80 MCS0_Edge 2_0mm_Ch155;Ant 2

Communication System: 802.11ac ; Frequency: 5775 MHz;Duty Cycle: 1:1

Medium: HSL_5G_200415 Medium parameters used: $f = 5775$ MHz; $\sigma = 5.016$ S/m; $\epsilon_r = 34.949$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.7 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3925; ConvF(5.22, 5.22, 5.22) @ 5775 MHz; Calibrated: 2019/9/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2019/5/21
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

Area Scan (81x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.84 W/kg

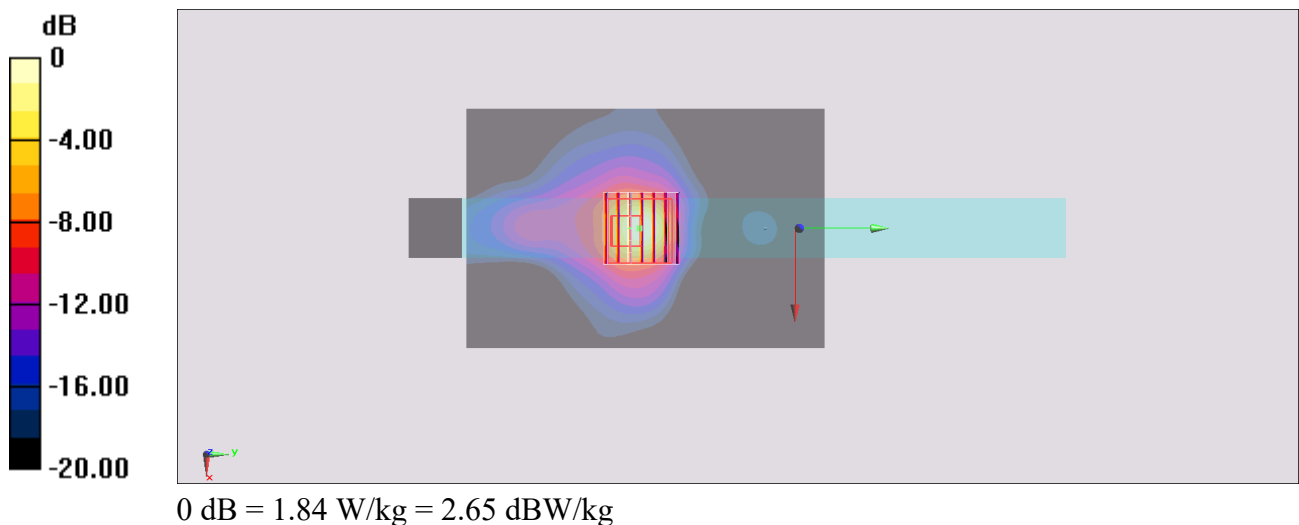
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 11.21 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 5.64 W/kg

SAR(1 g) = 1.12 W/kg; SAR(10 g) = 0.253 W/kg

Maximum value of SAR (measured) = 3.10 W/kg



#15_Bluetooth_1Mbps_Bottom Face_0mm_Ch00;Ant 2

Communication System: Bluetooth; Frequency: 2402 MHz; Duty Cycle: 1:1.287

Medium: HSL_2450_200415 Medium parameters used: $f = 2402$ MHz; $\sigma = 1.793$ S/m; $\epsilon_r = 39.308$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.7 °C ; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3925; ConvF(7.6, 7.6, 7.6) @ 2402 MHz; Calibrated: 2019/9/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2019/5/21
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1131
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (101x71x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 0.203 W/kg

Zoom Scan (8x9x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 10.65 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.339 W/kg

SAR(1 g) = 0.119 W/kg; SAR(10 g) = 0.054 W/kg

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

