

#01_WLAN2.4GHz_802.11b 1Mbps_ Bottom of Laptop_0mm_Ch1;Ant 1+2

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

Medium: MSL_2450_181224 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.918$ S/m; $\epsilon_r = 52.559$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C; Liquid Temperature : 22.5 °C

DASY5 Configuration

- Probe: EX3DV4 - SN7515; ConvF(7.53, 7.53, 7.53) ; Calibrated: 2018/10/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2018/7/24
- Phantom: ELI V5.0; Type: QD OVA 002 Ax; Serial: 1191
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Area Scan (51x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 1.07 W/kg

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

Reference Value = 22.63 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.35 W/kg

SAR(1 g) = 0.821 W/kg; SAR(10 g) = 0.402 W/kg

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

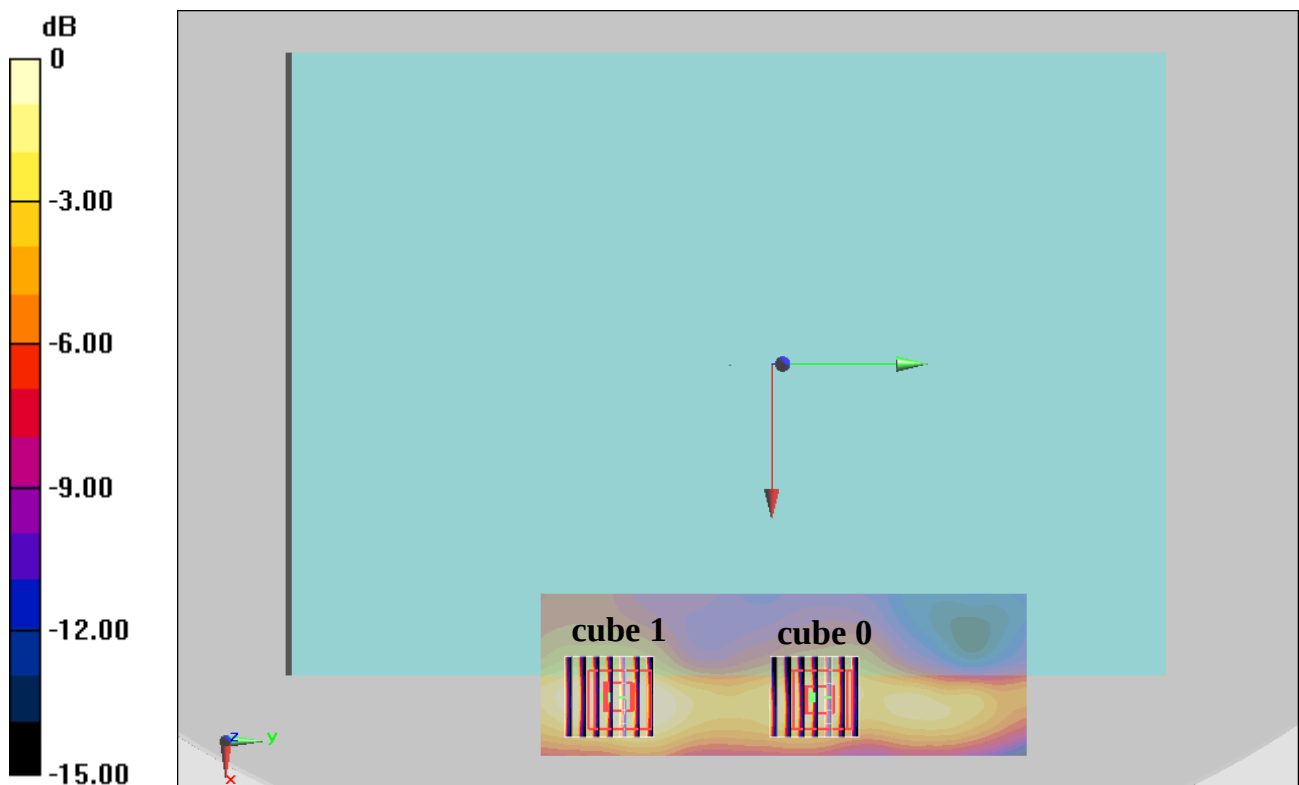
Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 22.63 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.66 W/kg

SAR(1 g) = 0.910 W/kg; SAR(10 g) = 0.458 W/kg

Maximum value of SAR (measured) = 1.34 W/kg



0 dB = 1.34 W/kg = 1.27 dBW/kg

#02_WLAN5GHz_802.11a 6Mbps_ Bottom of Laptop_0mm_Ch64;Ant 1+2

Communication System: 802.11a ; Frequency: 5320 MHz;Duty Cycle: 1:1.054

Medium: MSL_5G_181225 Medium parameters used: $f = 5320$ MHz; $\sigma = 5.546$ S/m; $\epsilon_r = 49.131$; $\rho = 1000$ kg/m³

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

DASY5 Configuration

- Probe: EX3DV4 - SN7515;ConvF(4.96, 4.96, 4.96) ;Calibrated: 2018/10/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2018/7/24
- Phantom: ELI V5.0; Type: QD OVA 002 Ax; Serial: 1191
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Area Scan (61x141x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.618 W/kg

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

Reference Value = 12.36 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.19 W/kg

SAR(1 g) = 0.326 W/kg; SAR(10 g) = 0.120 W/kg

Maximum value of SAR (measured) = 0.721 W/kg

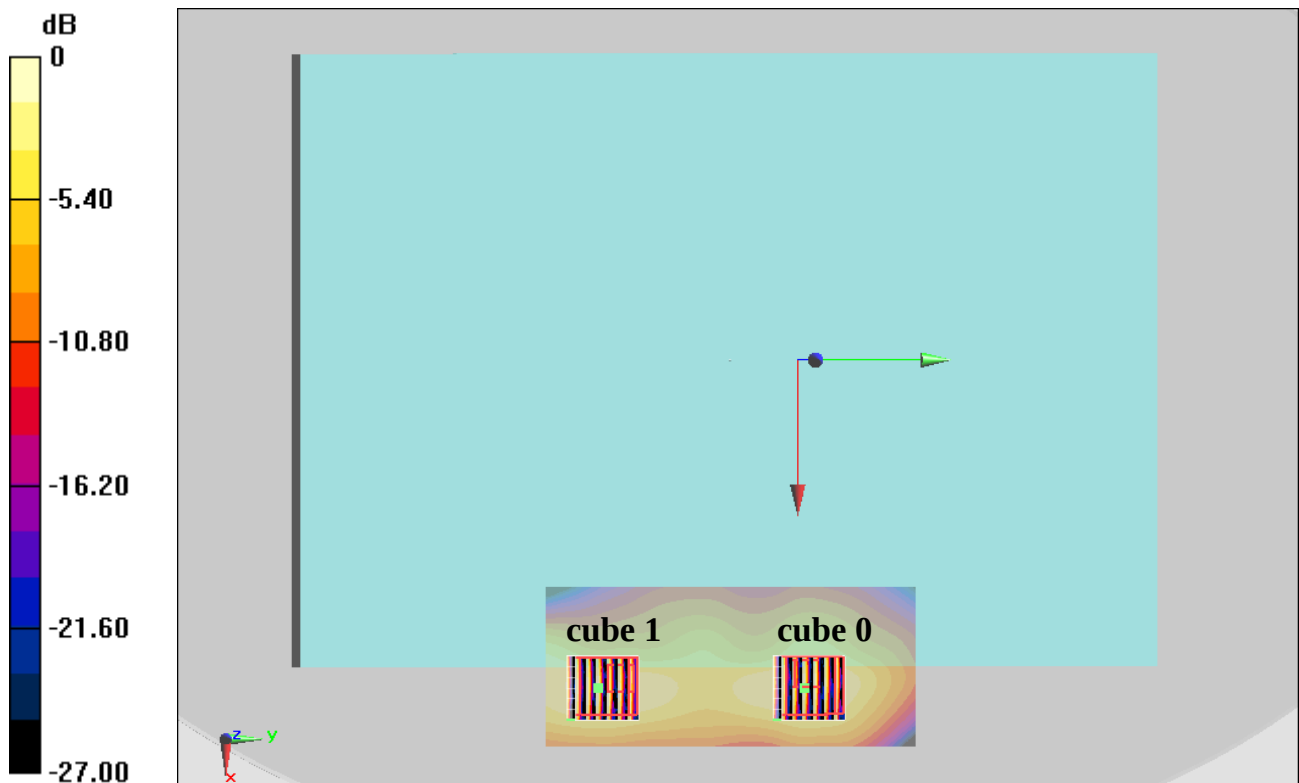
Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 12.36 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.37 W/kg

SAR(1 g) = 0.366 W/kg; SAR(10 g) = 0.131 W/kg

Maximum value of SAR (measured) = 0.841 W/kg



0 dB = 0.841 W/kg = -0.75 dBW/kg

#03_WLAN5GHz_802.11a 6Mbps_ Bottom of Laptop_0mm_Ch144;Ant 1+2

Communication System: 802.11a; Frequency: 5720 MHz; Duty Cycle: 1:1.054

Medium: MSL_5G_181225 Medium parameters used: $f = 5720$ MHz; $\sigma = 5.985$ S/m; $\epsilon_r = 48.581$; $\rho = 1000$ kg/m³

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

DASY5 Configuration

- Probe: EX3DV4 - SN7515; ConvF(4.42, 4.42, 4.42) ; Calibrated: 2018/10/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2018/7/24
- Phantom: ELI V5.0; Type: QD OVA 002 Ax; Serial: 1191
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Area Scan (61x141x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.465 W/kg

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

Reference Value = 10.89 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.783 W/kg

SAR(1 g) = 0.197 W/kg; SAR(10 g) = 0.075 W/kg

Maximum value of SAR (measured) = 0.463 W/kg

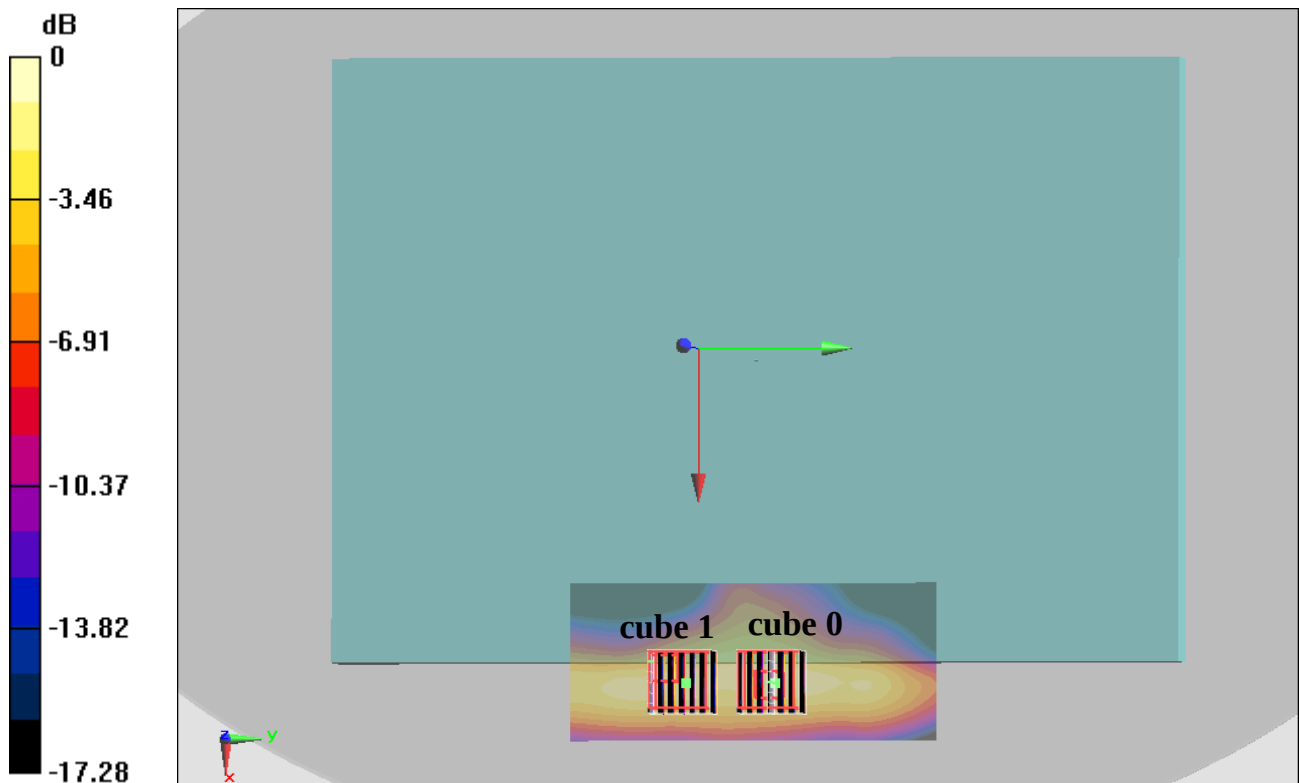
Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 10.89 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.00 W/kg

SAR(1 g) = 0.231 W/kg; SAR(10 g) = 0.087 W/kg

Maximum value of SAR (measured) = 0.592 W/kg



0 dB = 0.592 W/kg = -2.28 dBW/kg

#04_WLAN5GHz_802.11a 6Mbps_ Bottom of Laptop_0mm_Ch165;Ant 1+2

Communication System: 802.11a; Frequency: 5825 MHz; Duty Cycle: 1:1.054

Medium: MSL_5G_181225 Medium parameters used: $f = 5825$ MHz; $\sigma = 6.282$ S/m; $\epsilon_r = 47.309$; $\rho = 1000$ kg/m³

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

DASY5 Configuration

- Probe: EX3DV4 - SN7515; ConvF(4.42, 4.42, 4.42) ; Calibrated: 2018/10/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2018/7/24
- Phantom: ELI V5.0; Type: QD OVA 002 Ax; Serial: 1191
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Area Scan (61x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.798 W/kg

Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 16.14 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.66 W/kg

SAR(1 g) = 0.388 W/kg; SAR(10 g) = 0.128 W/kg

Maximum value of SAR (measured) = 0.859 W/kg

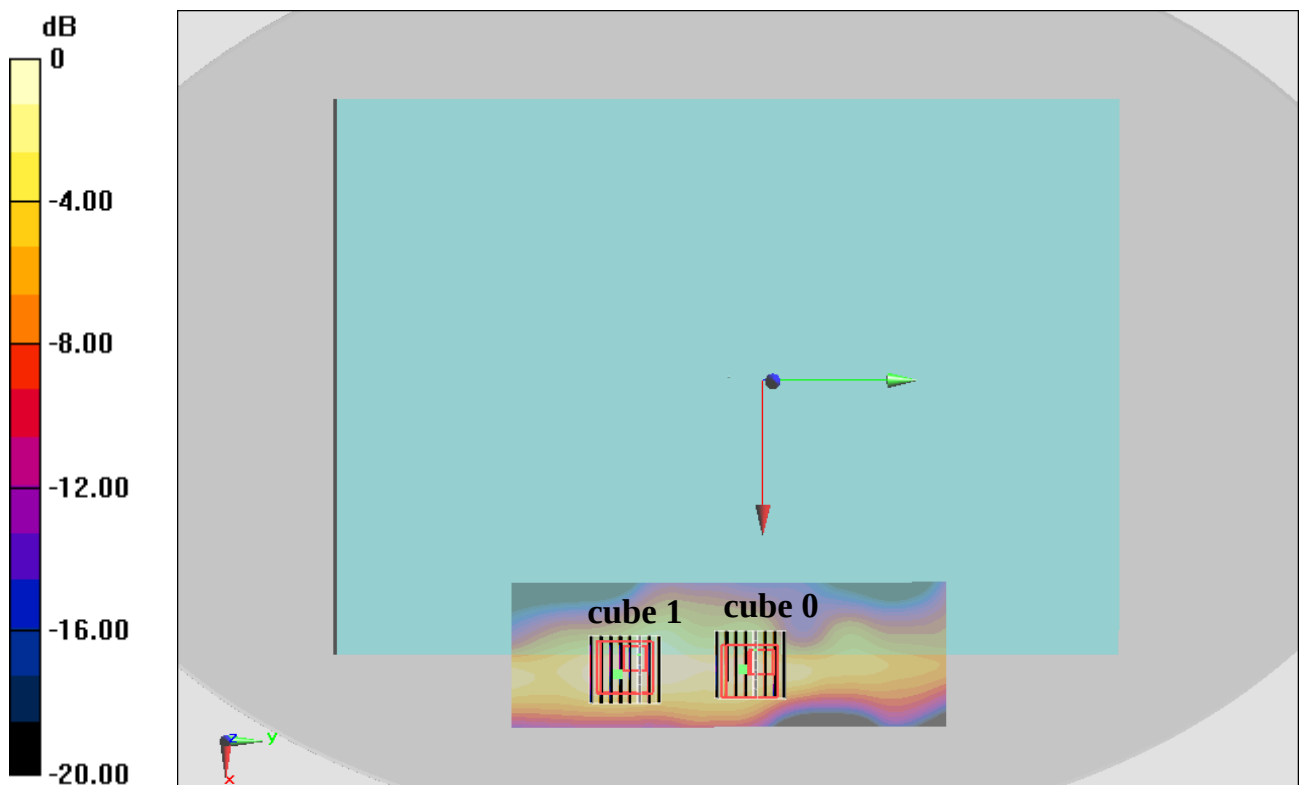
Zoom Scan (8x8x7)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 16.14 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 2.50 W/kg

SAR(1 g) = 0.558 W/kg; SAR(10 g) = 0.182 W/kg

Maximum value of SAR (measured) = 1.34 W/kg



0 dB = 1.34 W/kg = 1.27 dBW/kg

#05_Bluetooth_1Mbps_Bottom of Laptop_0mm_Ch00;Ant 2

Communication System: Bluetooth ; Frequency: 2402 MHz;Duty Cycle: 1:1.305

Medium: MSL_2450_181224 Medium parameters used : $f = 2402$ MHz; $\sigma = 1.904$ S/m; $\epsilon_r = 52.634$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C ; Liquid Temperature : 22.5 °C

DASY5 Configuration

- Probe: EX3DV4 - SN7515;ConvF(7.53, 7.53, 7.53) ;Calibrated: 2018/10/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2018/7/24
- Phantom: ELI V5.0; Type: QD OVA 002 Ax; Serial: 1191
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Area Scan (51x101x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

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

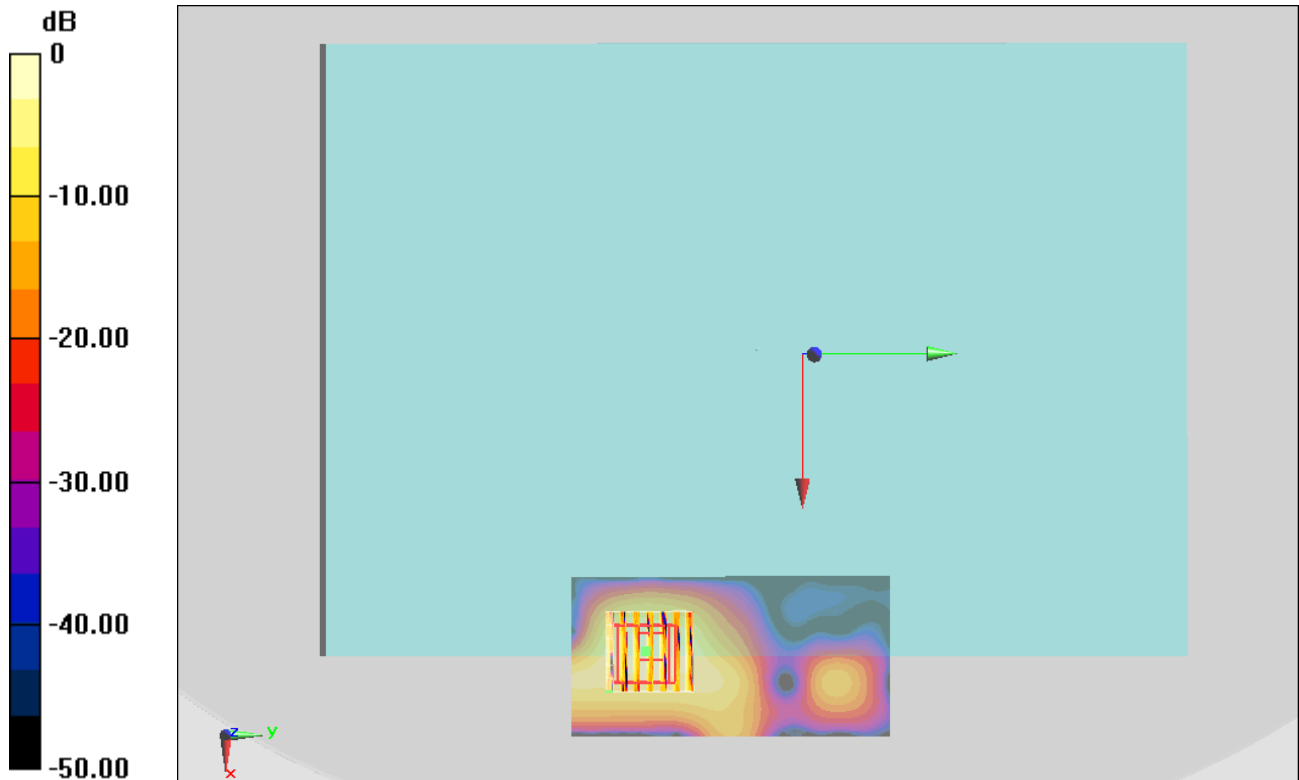
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 3.092 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.0240 W/kg

SAR(1 g) = 0.010 W/kg; SAR(10 g) = 0.00415 W/kg

Maximum value of SAR (measured) = 0.0174 W/kg



0 dB = 0.0174 W/kg = -17.59 dBW/kg