GSM 850

Frequency: 836.6 MHz; Duty Cycle: 1:2.60016;   Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.984 S/m; ε_r = 53.366; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1439; Calibrated: 5/14/2014
- Probe: EX3DV4 - SN3749; ConvF(8.61, 8.61, 8.61); Calibrated: 1/26/2015;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm
(Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1213

Edge 2/GPRS 3 slot_ch 190/Area Scan (8x9x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.384 W/kg

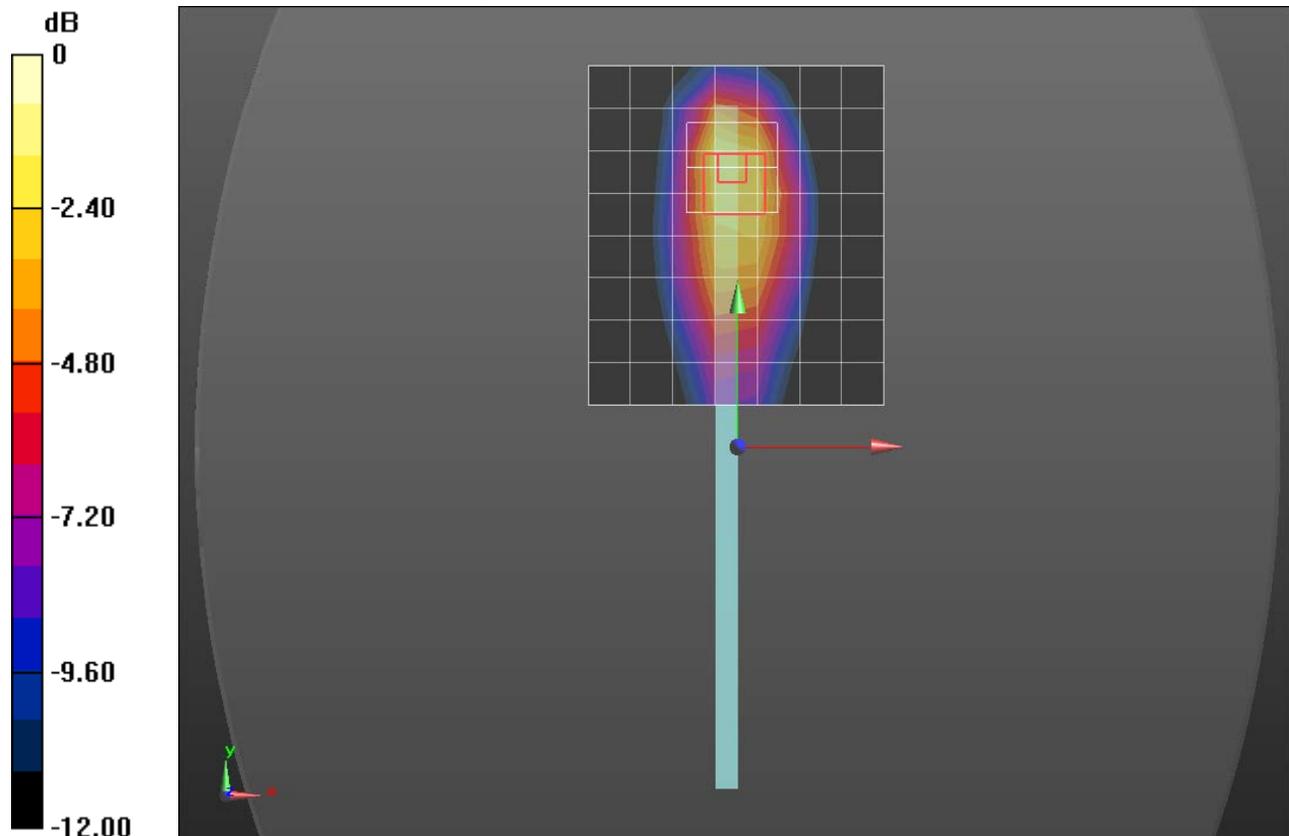## Edge 2/GPRS 3 slot_ch 190/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.65 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 0.719 W/kg
SAR(1 g) = 0.405 W/kg; SAR(10 g) = 0.237 W/kg
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.536 W/kg

0 dB = 0.536 W/kg = -2.71 dBW/kg

GSM 1900

Frequency: 1880 MHz; Duty Cycle: 1:8.00018;   Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 1880 MHz; σ = 1.502 S/m; $ε_r$ = 51.43; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1377; Calibrated: 8/27/2014
- Probe: EX3DV4 - SN3929; ConvF(7.25, 7.25, 7.25); Calibrated: 5/9/2014;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI-B V5.0; Type: QDOVA001BB; Serial: S/n:1216

Rear/GPRS 1 Slots ch 661/Area Scan (9x9x1): Measurement grid: dx=15mm, dy=15mm
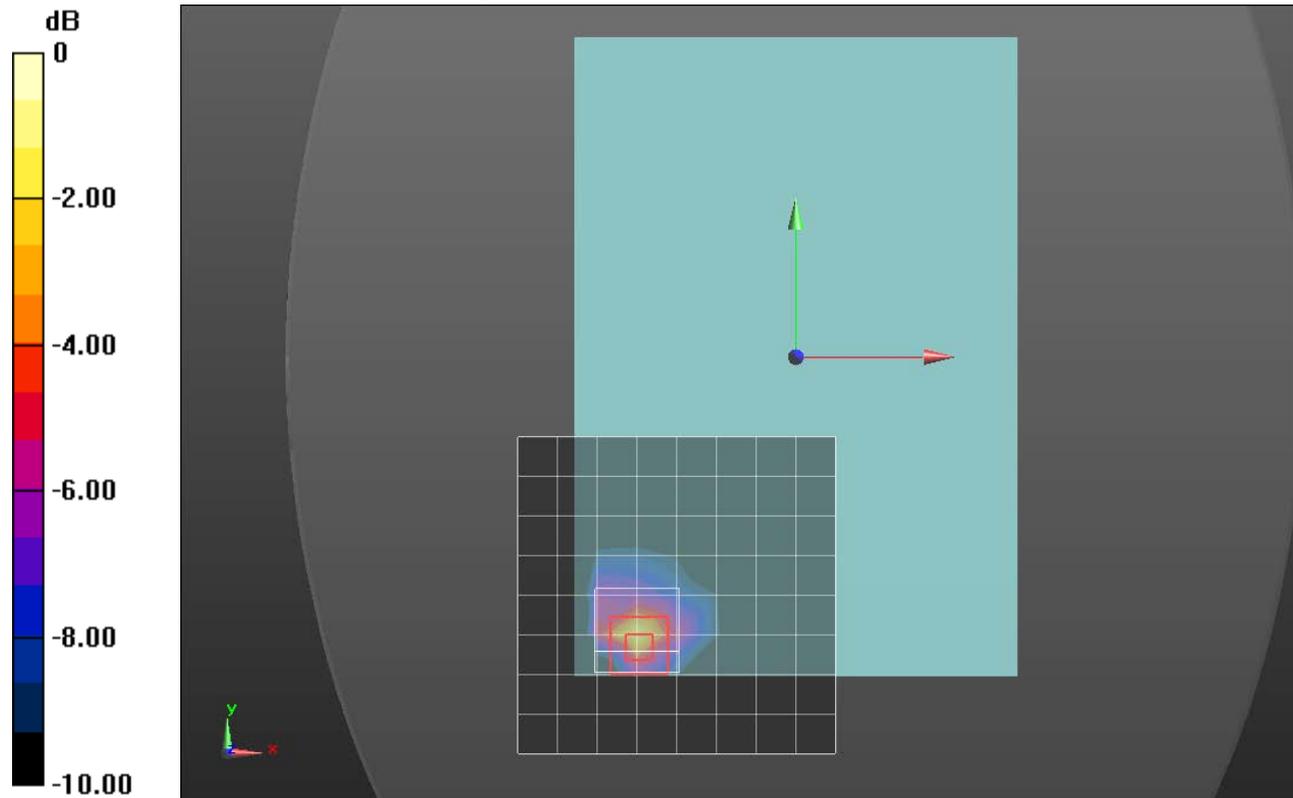Maximum value of SAR (measured) = 0.732 W/kg

Rear/GPRS 1 Slots ch 661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.60 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 1.42 W/kg
SAR(1 g) = 0.604 W/kg; SAR(10 g) = 0.249 W/kg
Maximum value of SAR (measured) = 0.934 W/kg

0 dB = 0.934 W/kg = -0.30 dBW/kg

W-CDMA Band V

Frequency: 836.6 MHz; Duty Cycle: 1:1;   Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.984 S/m; ε_r = 53.366; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1439; Calibrated: 5/14/2014
- Probe: EX3DV4 - SN3749; ConvF(8.61, 8.61, 8.61); Calibrated: 1/26/2015;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1213

Edge 2/Rel.99 RMC 12.2 kbps_ch 4183/Area Scan (8x10x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.380 W/kg

Edge 2/Rel.99 RMC 12.2 kbps_ch 4183/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
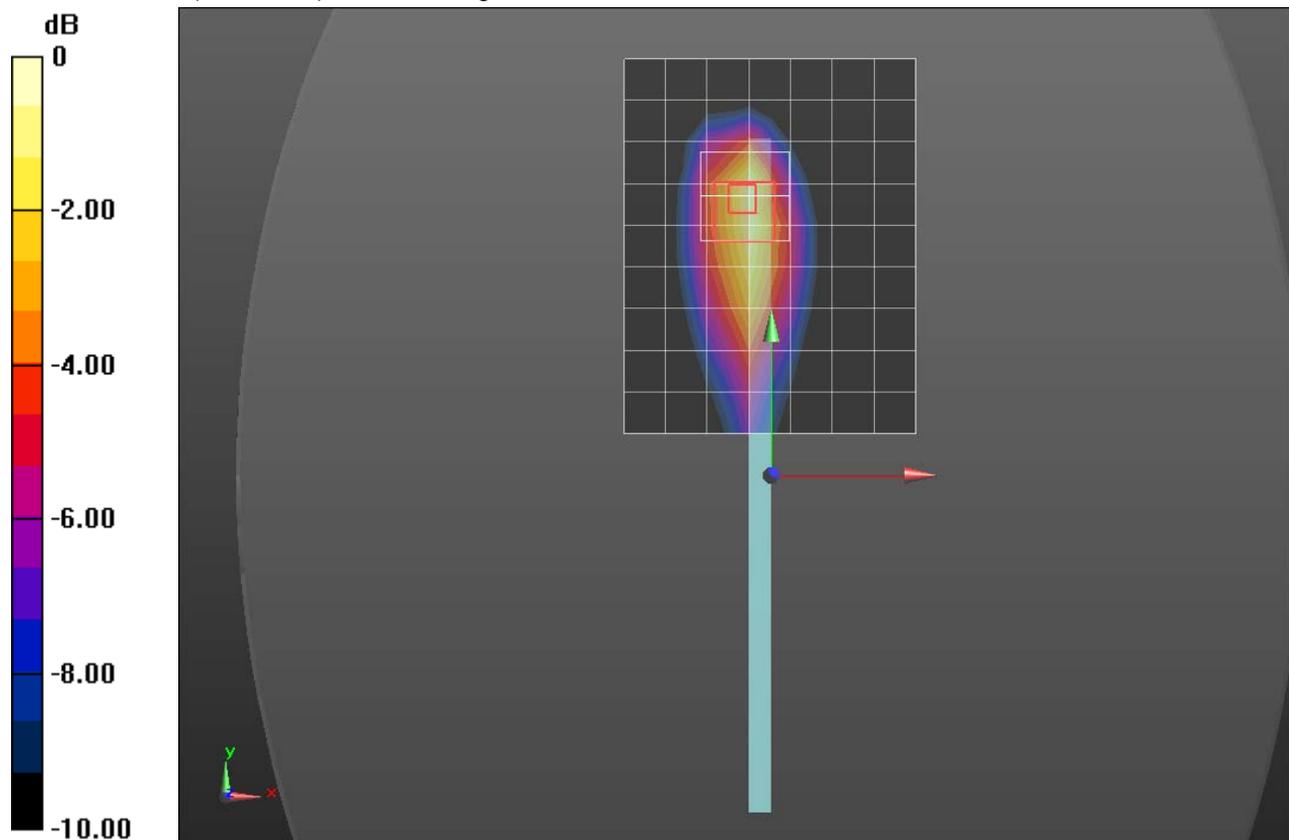Reference Value = 20.15 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.572 W/kg
SAR(1 g) = 0.311 W/kg; SAR(10 g) = 0.176 W/kg
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.424 W/kg

0 dB = 0.424 W/kg = -3.73 dBW/kg

WCDMA Band II

Frequency: 1852.4 MHz; Duty Cycle: 1:1;   Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 1852.4 MHz; σ = 1.446 S/m; ε_r = 52.23; ρ = 1000 kg/m³
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1377; Calibrated: 8/27/2014
- Probe: EX3DV4 - SN3929; ConvF(7.25, 7.25, 7.25); Calibrated: 5/9/2014;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm
(Mechanical Surface Detection)
- Phantom: ELI-B V5.0; Type: QDOVA001BB; Serial: S/n:1216

Rear/Rel 99 RMC_ch 9262 w/ Pwr Back Off/Area Scan (9x9x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.781 W/kg

Rear/Rel 99 RMC_ch 9262 w/ Pwr Back Off/Zoom Scan (5x5x7)/Cube 0: Measurement grid:
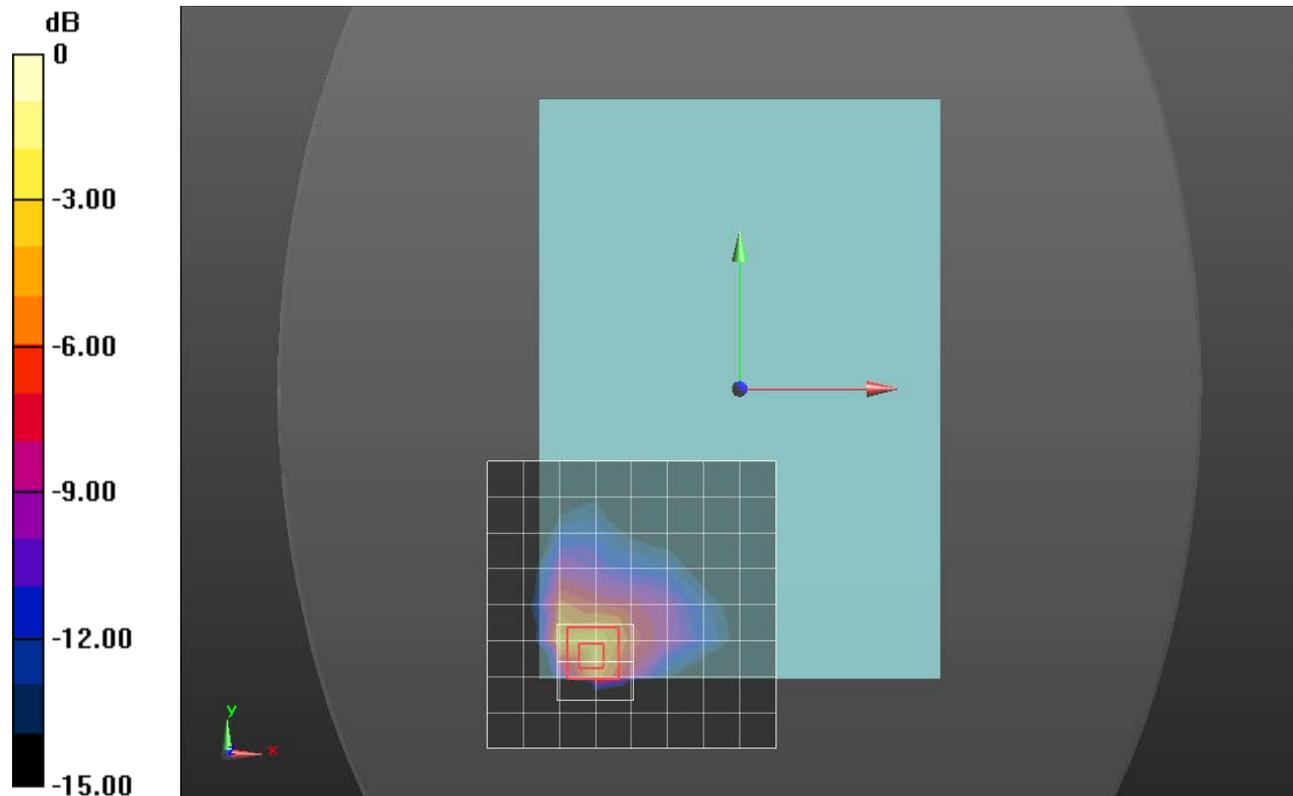dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.70 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 2.40 W/kg
SAR(1 g) = 0.991 W/kg; SAR(10 g) = 0.412 W/kg
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.46 W/kg

0 dB = 1.46 W/kg = 1.64 dBW/kg

LTE Band 5

Frequency: 836.5 MHz; Duty Cycle: 1:1;   Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 836.5 MHz; σ = 1.002 S/m; ε_r = 53.42; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1439; Calibrated: 5/14/2014
- Probe: EX3DV4 - SN3749; ConvF(8.61, 8.61, 8.61); Calibrated: 1/26/2015;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1213

Edge 2/QPSK RB 1/0 ch 20525/Area Scan (8x10x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.392 W/kg

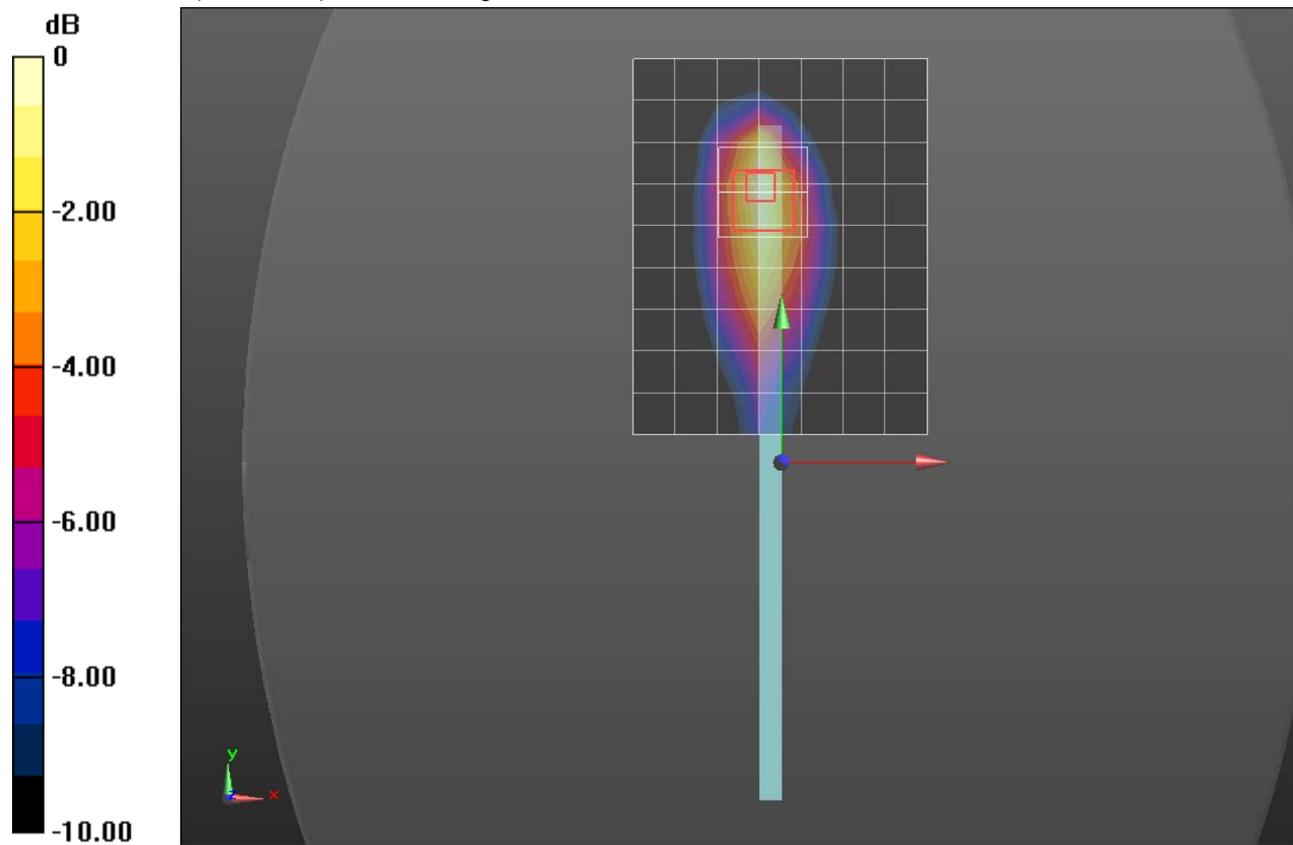## Edge 2/QPSK RB 1/0 ch 20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.30 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.515 W/kg
SAR(1 g) = 0.287 W/kg; SAR(10 g) = 0.164 W/kg
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.378 W/kg

0 dB = 0.378 W/kg = -4.23 dBW/kg

Wi-Fi 2.4GHz

Frequency: 2437 MHz; Duty Cycle: 1:1;   Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 2437 MHz; σ = 1.987 S/m; ε_r = 50.757; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1352; Calibrated: 11/7/2014
- Probe: EX3DV4 - SN3902; ConvF(7.35, 7.35, 7.35); Calibrated: 5/19/2014;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm
(Mechanical Surface Detection)
- Phantom: ELI-B v5.0; Type: QDOVA002AA; Serial: TP:1195

Rear/802.11b_ch 6 (6mm)/Area Scan (10x10x1): Measurement grid: dx=12mm, dy=12mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.19 W/kg

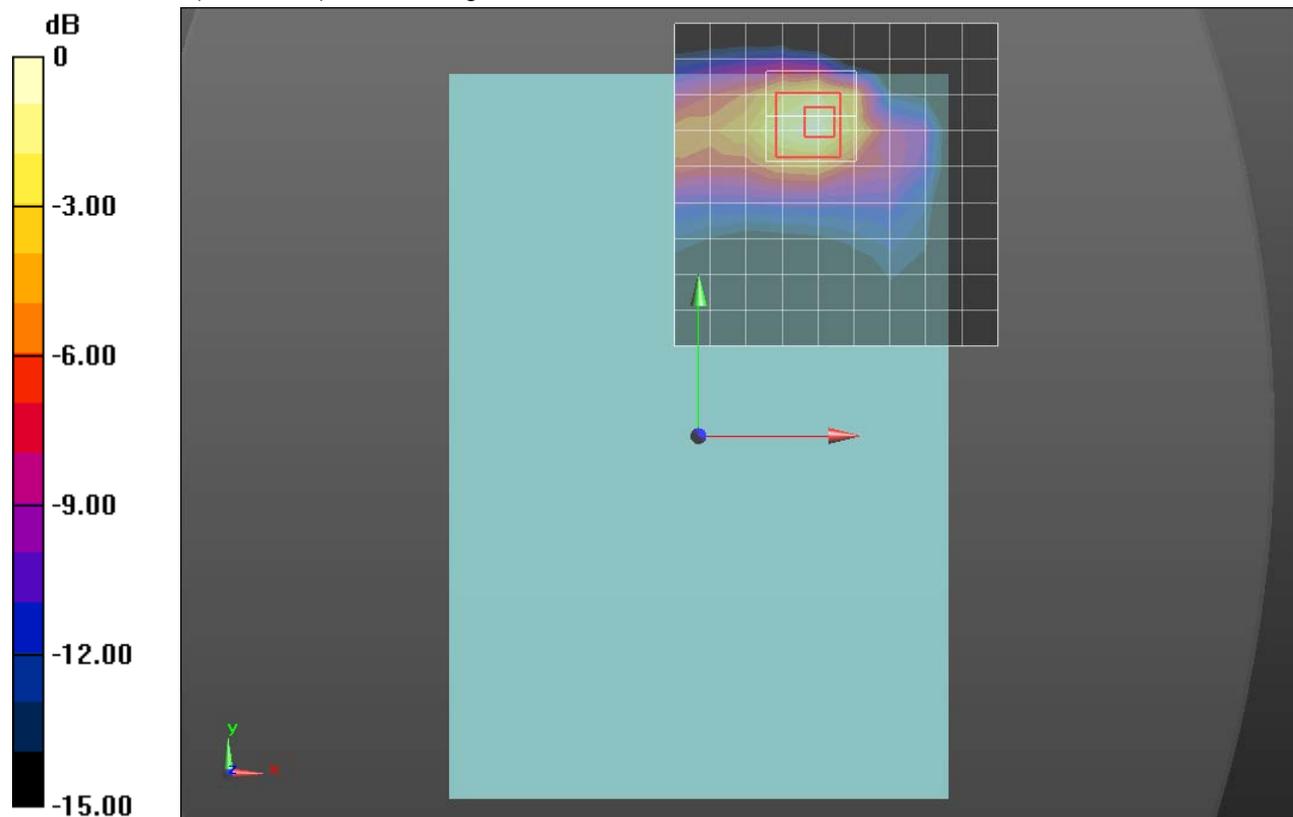## Rear/802.11b_ch 6 (6mm)/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 24.717 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 2.06 W/kg
SAR(1 g) = 0.904 W/kg; SAR(10 g) = 0.452 W/kg
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.29 W/kg

0 dB = 1.29 W/kg = 1.11 dBW/kg

Wi-Fi 5GHz

Frequency: 5310 MHz; Duty Cycle: 1:1;   Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 5310 MHz; σ = 5.469 S/m; $ε_r$ = 48.913; ρ = 1000 kg/m³
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1352; Calibrated: 11/7/2014
- Probe: EX3DV4 - SN3902; ConvF(4.33, 4.33, 4.33); Calibrated: 5/19/2014;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: ELI-A v5.0; Type: QDOVA002AA; Serial: TP 1194

Rear/802.11n HT40_Ch 62/Area Scan (12x13x1): Measurement grid: dx=10mm, dy=10mm
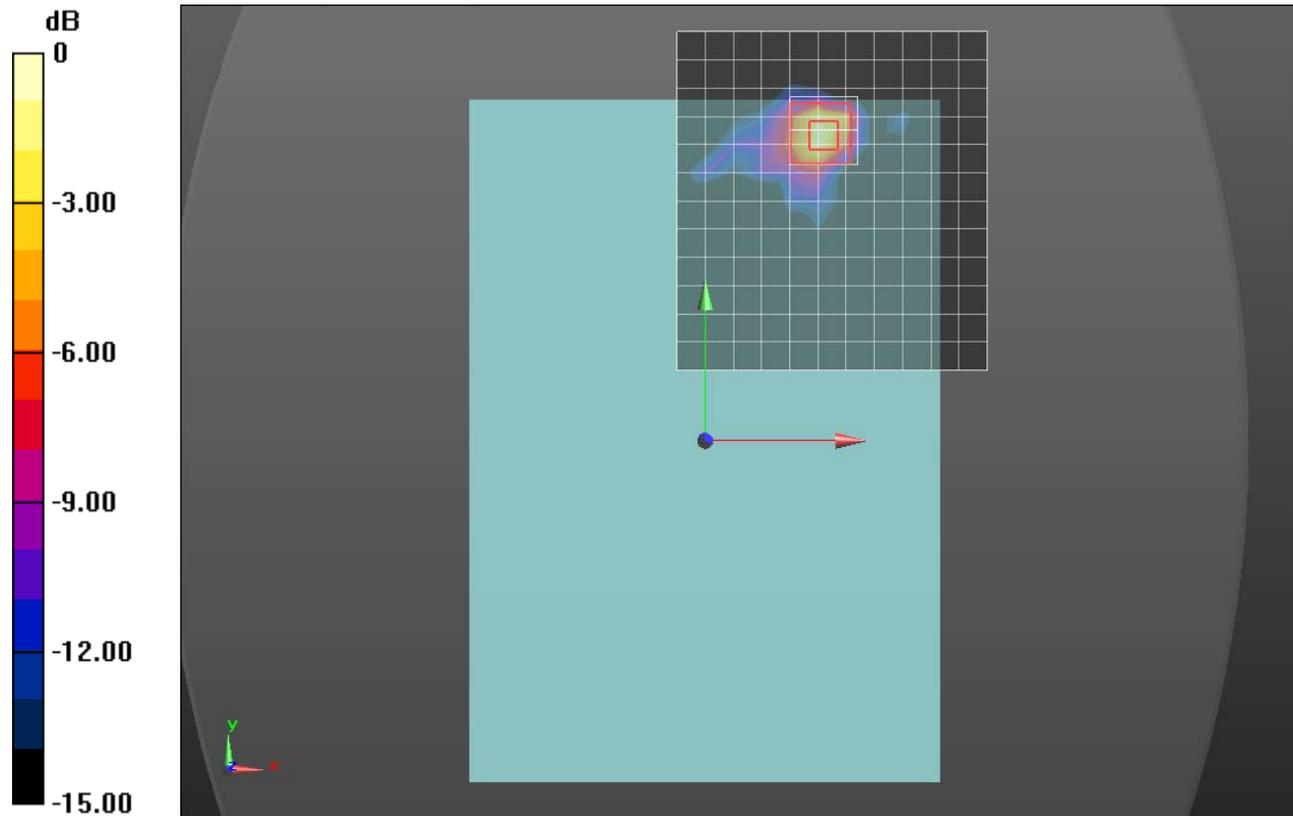
Maximum value of SAR (measured) = 0.890 W/kg

Rear/802.11n HT40_Ch 62/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm,
dz=2mm
Reference Value = 13.423 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 2.43 W/kg
SAR(1 g) = 0.469 W/kg; SAR(10 g) = 0.132 W/kg
Maximum value of SAR (measured) = 1.02 W/kg

0 dB = 1.02 W/kg = 0.09 dBW/kg

Wi-Fi 5GHz

Frequency: 5670 MHz; Duty Cycle: 1:1;   Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 5670 MHz; σ = 5.908 S/m; ε_r = 48.349; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1352; Calibrated: 11/7/2014
- Probe: EX3DV4 - SN3902; ConvF(3.73, 3.73, 3.73); Calibrated: 5/19/2014;
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: ELI-A v5.0; Type: QDOVA002AA; Serial: TP 1194

Rear/802.11n HT40_Ch 134/Area Scan (12x13x1): Measurement grid: dx=10mm, dy=10mm

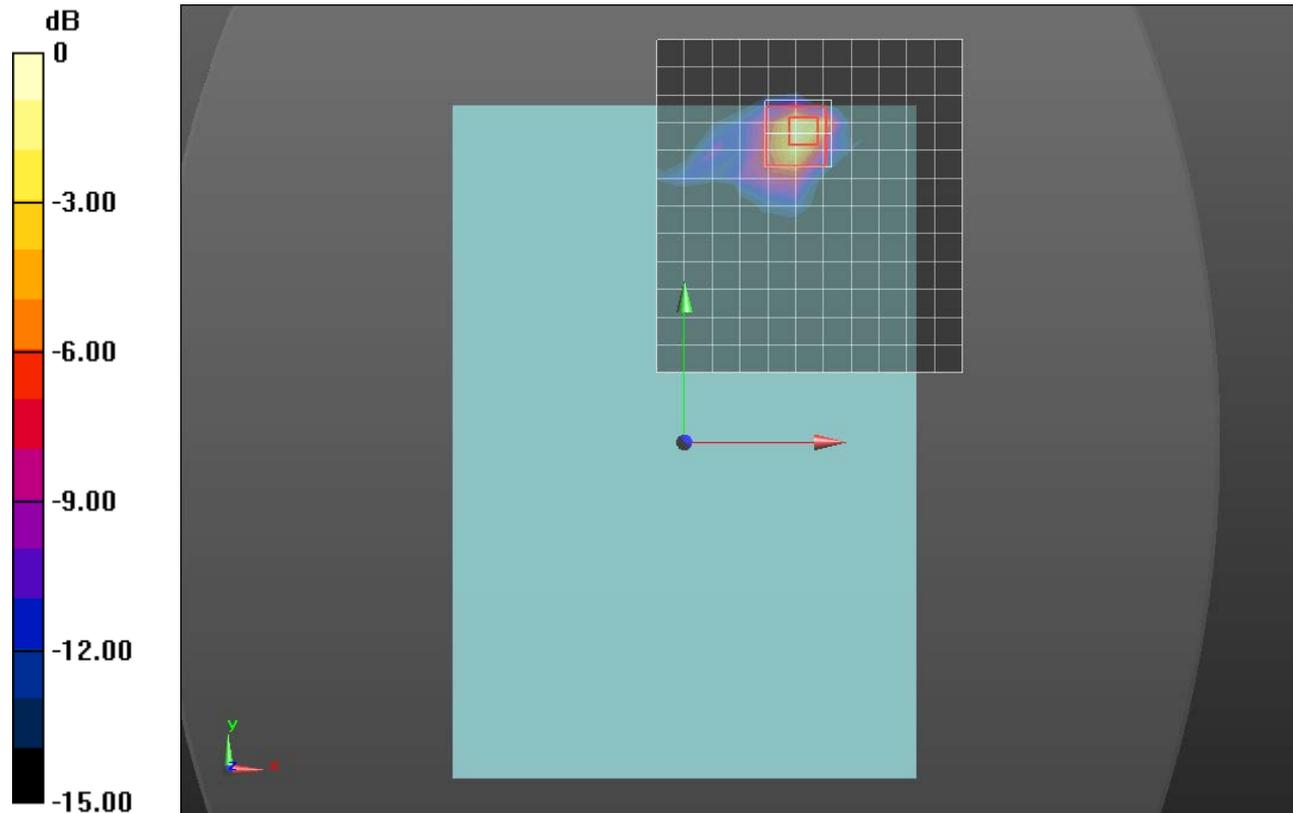Maximum value of SAR (measured) = 1.15 W/kg

Rear/802.11n HT40_Ch 134/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm,

dz=2mm
Reference Value = 15.847 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 4.47 W/kg
SAR(1 g) = 0.689 W/kg; SAR(10 g) = 0.177 W/kg
Maximum value of SAR (measured) = 1.55 W/kg

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

Wi-Fi 5GHz

Frequency: 5795 MHz; Duty Cycle: 1:1;   Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 5795 MHz; σ = 6.043 S/m; ε_r = 48.096; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1352; Calibrated: 11/7/2014
- Probe: EX3DV4 - SN3902; ConvF(4.11, 4.11, 4.11); Calibrated: 5/19/2014;
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm
(Mechanical Surface Detection)
- Phantom: ELI-A v5.0; Type: QDOVA002AA; Serial: TP 1194

Rear/802.11n HT40_Ch 159/Area Scan (12x13x1): Measurement grid: dx=10mm, dy=10mm
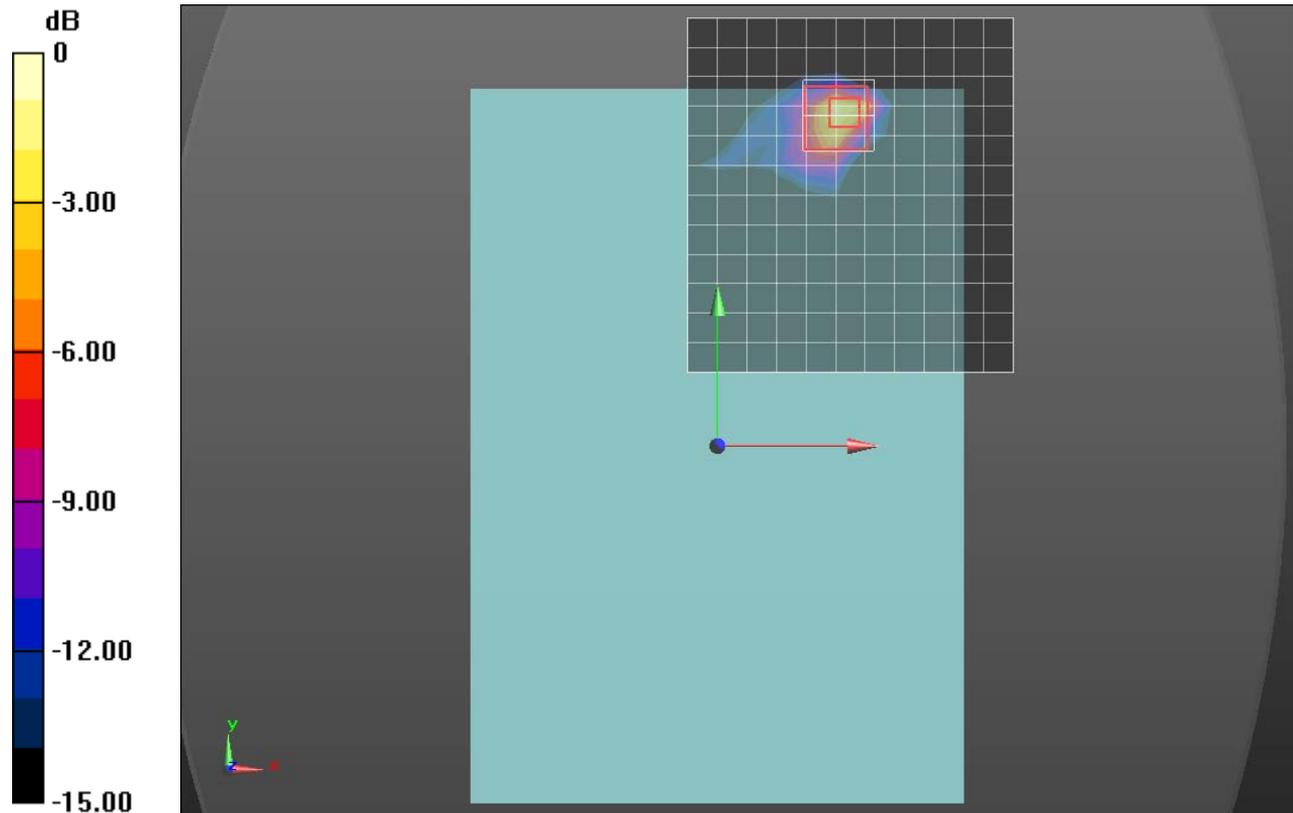Maximum value of SAR (measured) = 1.55 W/kg

Rear/802.11n HT40_Ch 159/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm,
dz=2mm
Reference Value = 18.281 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 6.10 W/kg
SAR(1 g) = 0.893 W/kg; SAR(10 g) = 0.206 W/kg
Maximum value of SAR (measured) = 2.18 W/kg

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

Bluetooth

Frequency: 2402 MHz; Duty Cycle: 1:1.29033;   Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 2402 MHz; σ = 1.981 S/m; ε_r = 50.839; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1352; Calibrated: 11/7/2014
- Probe: EX3DV4 - SN3902; ConvF(7.35, 7.35, 7.35); Calibrated: 5/19/2014;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI-B v5.0; Type: QDOVA002AA; Serial: TP:1195

Rear/Bluetooth GFSK_ch 0/Area Scan (10x10x1): Measurement grid: dx=12mm, dy=12mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.593 W/kg

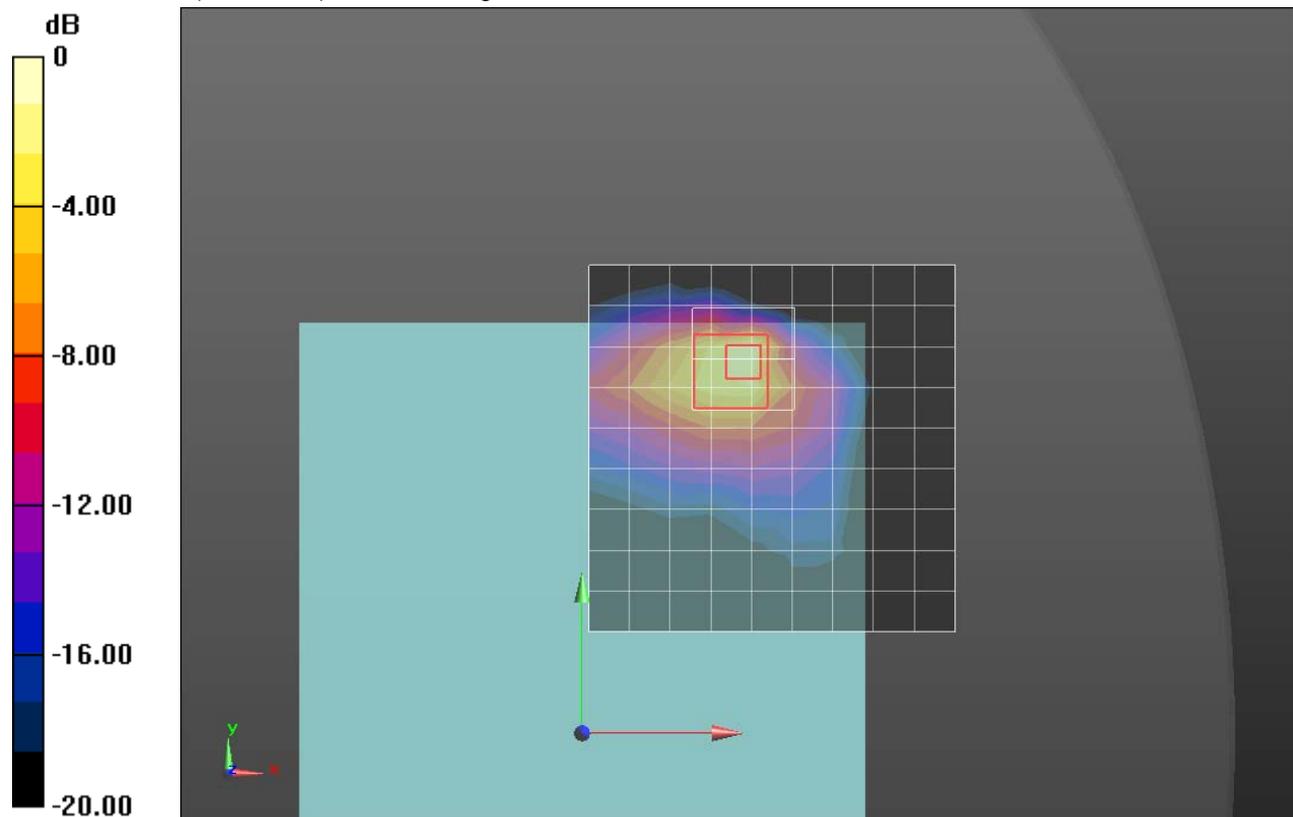## Rear/Bluetooth GFSK_ch 0/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 17.455 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 1.34 W/kg
SAR(1 g) = 0.469 W/kg; SAR(10 g) = 0.192 W/kg
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.784 W/kg

0 dB = 0.784 W/kg = -1.06 dBW/kg