

**#01\_LTE Band 2\_20M\_QPSK\_1\_0\_Top Side\_0mm\_Ch19100**

Communication System: LTE; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: MSL\_1900\_171219 Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.513$  S/m;  $\epsilon_r = 55.751$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3925; ConvF(8.25, 8.25, 8.25); Calibrated: 2017/5/24;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn854; Calibrated: 2017/5/2
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1131
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

**Area Scan (81x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.701 W/kg

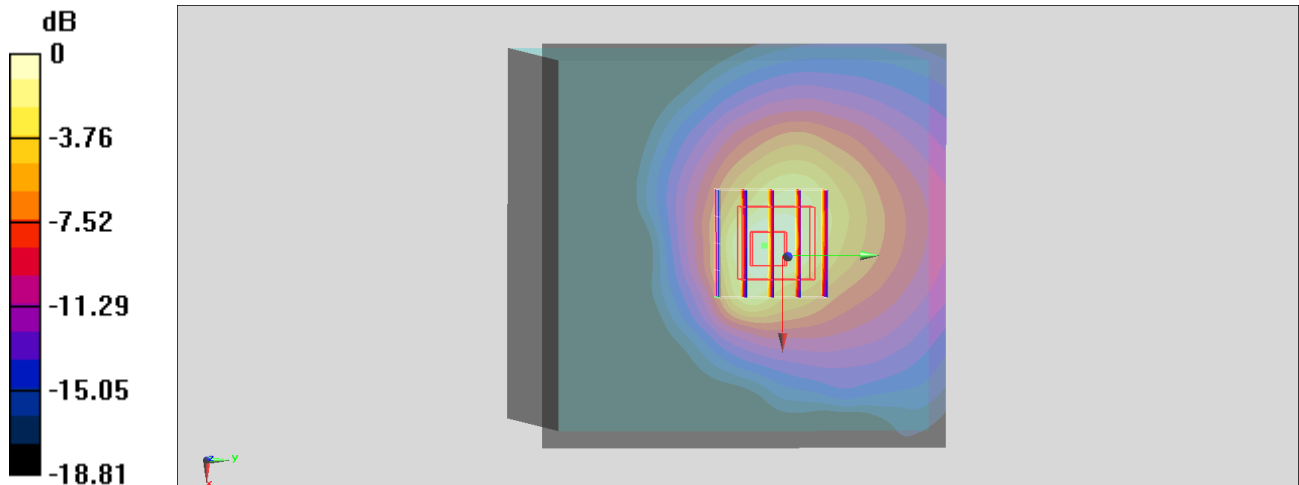
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.99 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.897 W/kg

**SAR(1 g) = 0.482 W/kg; SAR(10 g) = 0.261 W/kg**

Maximum value of SAR (measured) = 0.704 W/kg



0 dB = 0.704 W/kg = -1.52 dBW/kg

**#02\_LTE Band 4\_20M\_QPSK\_1\_0\_Top Side\_0mm\_Ch20175**

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

Medium: MSL\_1750\_171219 Medium parameters used:  $f = 1732.5$  MHz;  $\sigma = 1.426$  S/m;  $\epsilon_r = 55.197$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3925; ConvF(8.51, 8.51, 8.51); Calibrated: 2017/5/24;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn854; Calibrated: 2017/5/2
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1131
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

**Area Scan (81x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

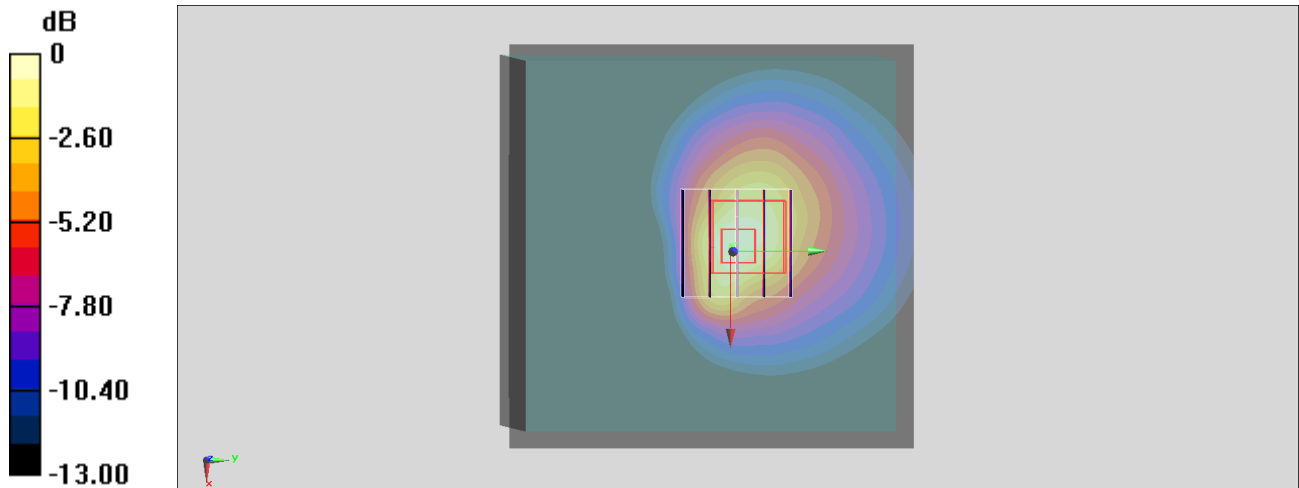
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.74 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.29 W/kg

**SAR(1 g) = 0.754 W/kg; SAR(10 g) = 0.431 W/kg**

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



0 dB = 1.08 W/kg = 0.33 dBW/kg

**#03\_LTE Band 5\_10M\_QPSK\_1\_0\_Top Side\_0mm\_Ch20525**

Communication System: LTE; Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: MSL\_850\_171219 Medium parameters used:  $f = 836.5$  MHz;  $\sigma = 0.977$  S/m;  $\epsilon_r = 56.286$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3925; ConvF(10.29, 10.29, 10.29); Calibrated: 2017/5/24;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn854; Calibrated: 2017/5/2
- Phantom: ELI v5.0\_Right; Type: QDOVA002AA; Serial: TP:1029
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

**Area Scan (81x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.533 W/kg

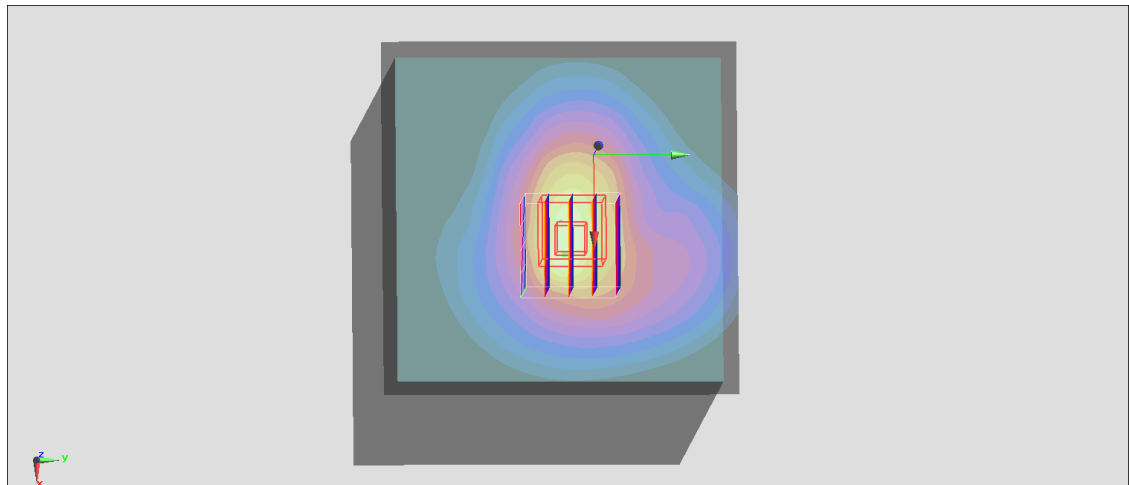
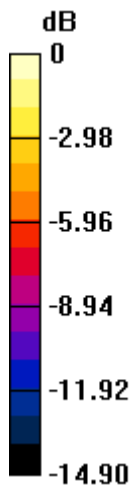
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.36 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.854 W/kg

**SAR(1 g) = 0.373 W/kg; SAR(10 g) = 0.203 W/kg**

Maximum value of SAR (measured) = 0.661 W/kg



**#04\_E Band 17\_10M\_QPSK\_1\_0\_Top Side\_0mm\_Ch23790**

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1

Medium: MSL\_750\_171219 Medium parameters used:  $f = 710$  MHz;  $\sigma = 0.939$  S/m;  $\epsilon_r = 54.731$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3925; ConvF(10.56, 10.56, 10.56); Calibrated: 2017/5/24;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn854; Calibrated: 2017/5/2
- Phantom: ELI v5.0\_Right; Type: QDOVA002AA; Serial: TP:1029
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

**Area Scan (101x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.643 W/kg

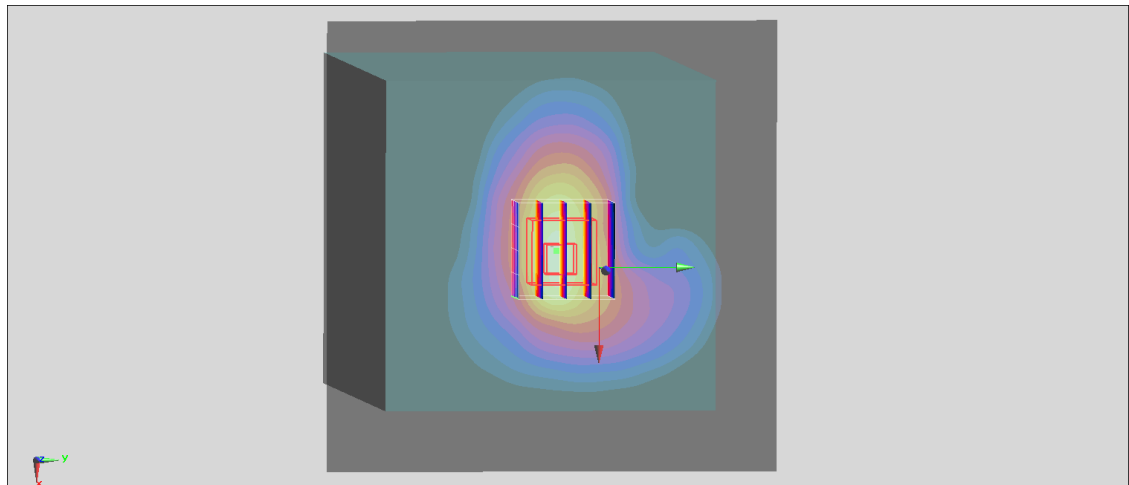
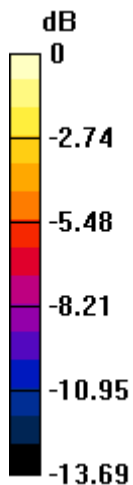
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.02 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.902 W/kg

**SAR(1 g) = 0.457 W/kg; SAR(10 g) = 0.259 W/kg**

Maximum value of SAR (measured) = 0.724 W/kg



0 dB = 0.724 W/kg = -1.40 dBW/kg