

## #01\_Lora\_Front\_5mm\_927.5MHz

Communication System: Lora900; Frequency: 927.5 MHz; Duty Cycle: 1:1.016

Medium: MSL\_900\_181227 Medium parameters used :  $f = 927.5$  MHz;  $\sigma = 1.034$  S/m;  $\epsilon_r = 53.746$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7515; ConvF(9.69, 9.69, 9.69); Calibrated: 2018/10/3;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

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

Maximum value of SAR (interpolated) = 1.57 W/kg

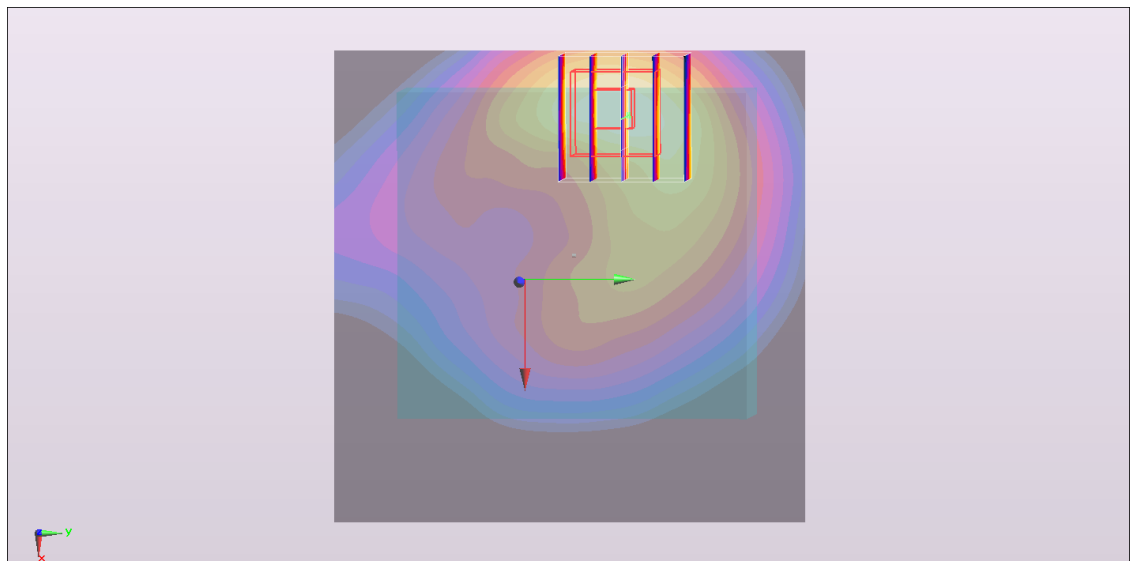
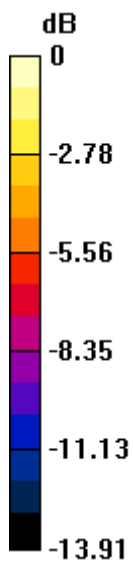
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 34.89 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 1.79 W/kg

**SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.639 W/kg**

Maximum value of SAR (measured) = 1.57 W/kg



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

## #02\_WLAN2.4GHz\_802.11b 1Mbps\_Top Side\_5mm\_Ch6

Communication System: 802.11b; Frequency: 2437 MHz; Duty Cycle: 1:1.056

Medium: MSL\_2450\_181227 Medium parameters used :  $f = 2437$  MHz;  $\sigma = 1.992$  S/m;  $\epsilon_r = 52.714$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

### DASY5 Configuration

- Probe: EX3DV4 - SN3931; ConvF(7.56, 7.56, 7.56) ; Calibrated: 2018/9/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (81x91x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 1.57 W/kg

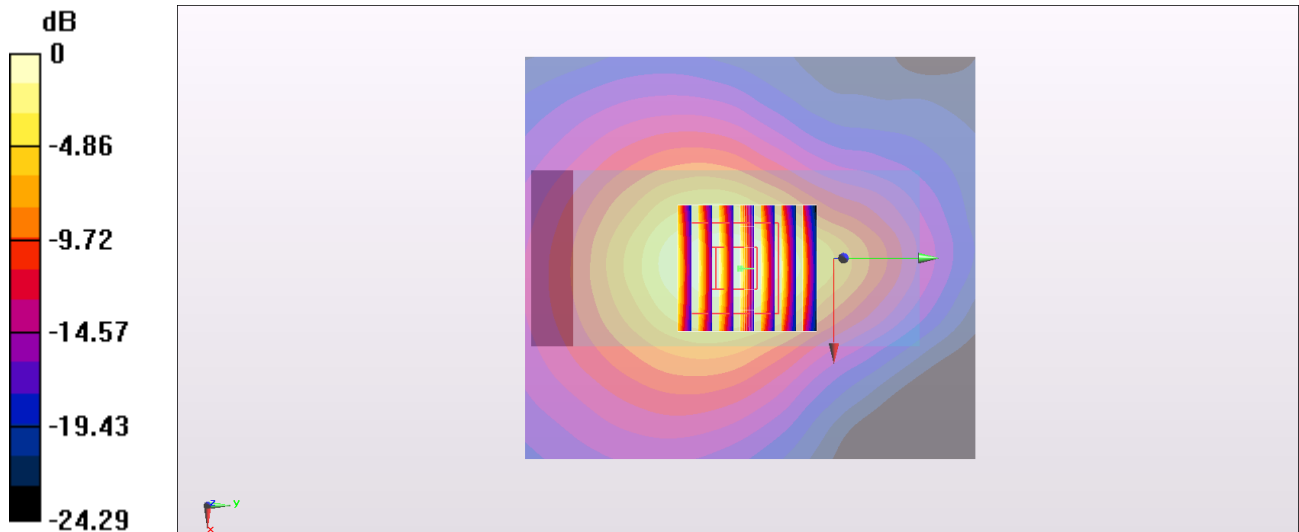
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.351 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 1.92 W/kg

**SAR(1 g) = 0.959 W/kg; SAR(10 g) = 0.462 W/kg**

Maximum value of SAR (measured) = 1.54 W/kg



0 dB = 1.54 W/kg = 1.88 dBW/kg