

Test Laboratory: Huatongwei International Inspection Co., Ltd.,SAR Lab

Date: 7/11/2019

**WiFi 2.4G**

Communication System: UID 0, Generic WIFI (0); Frequency: 2412 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 2412$  MHz;  $\sigma = 1.818$  S/m;  $\epsilon_r = 41.03$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Ambient Temperature:22.0°C;Liquid Temperature:21.7°C;

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(7.9, 7.9, 7.9) @ 2412 MHz; Calibrated: 3/25/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 3/19/2019
- Phantom: ELI V8.0 ; Type: QD OVA 004 AA ; Serial: 2078
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

**Right/CH 1/Area Scan (41x171x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm**Info:** Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (interpolated) = 0.0236 W/kg

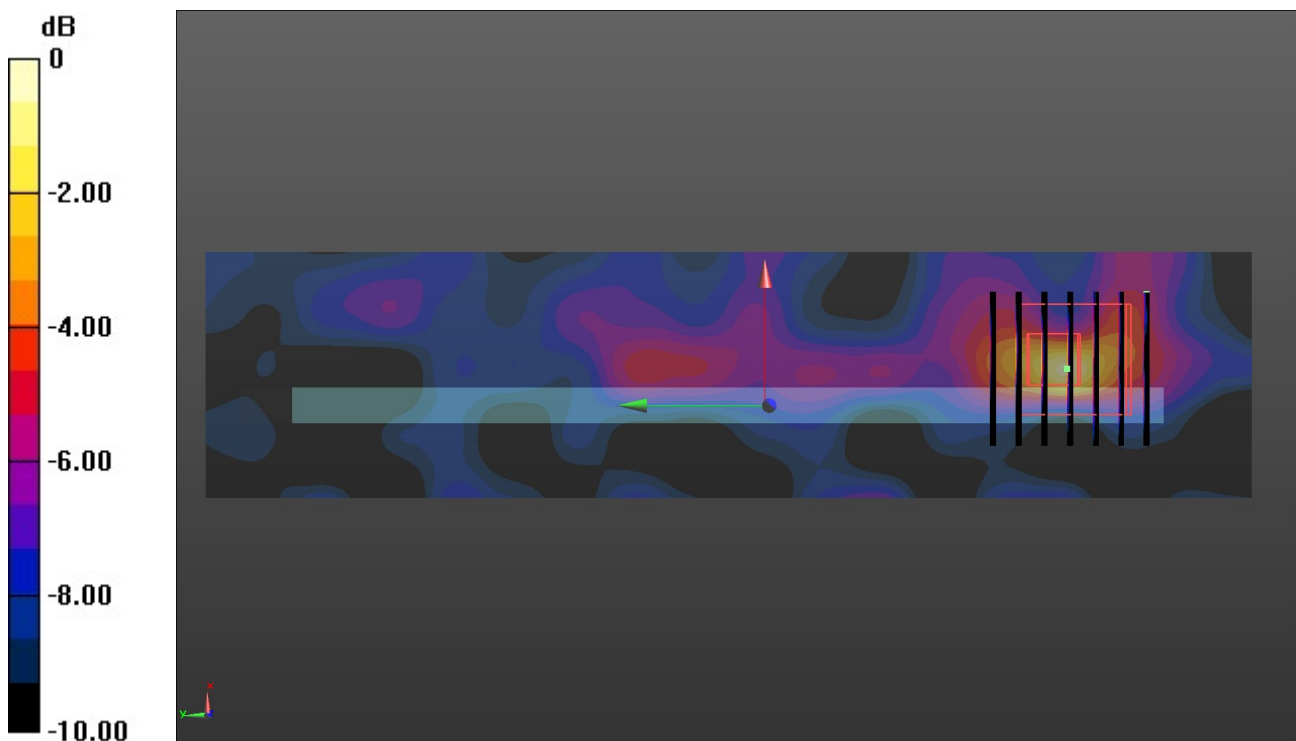
**Right/CH 1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.060 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.0520 W/kg

**SAR(1 g) = 0.013 W/kg; SAR(10 g) = 0.00426 W/kg****Info:** Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.0259 W/kg



0 dB = 0.0259 W/kg = -15.87 dBW/kg

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**WiFi 5G-U-NII Band 1**

Communication System: UID 0, Generic WIFI (0); Frequency: 5200 MHz;Duty Cycle: 1:1

Medium parameters used:  $f = 5200$  MHz;  $\sigma = 4.52$  S/m;  $\epsilon_r = 36.228$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Ambient Temperature:22.0°C;Liquid Temperature:21.8°C;

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(5.56, 5.56, 5.56) @ 5200 MHz; Calibrated: 3/25/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 3/19/2019
- Phantom: ELI V8.0 ; Type: QD OVA 004 AA ; Serial: 2078
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

**Right/CH 40/Area Scan (51x291x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.176 W/kg

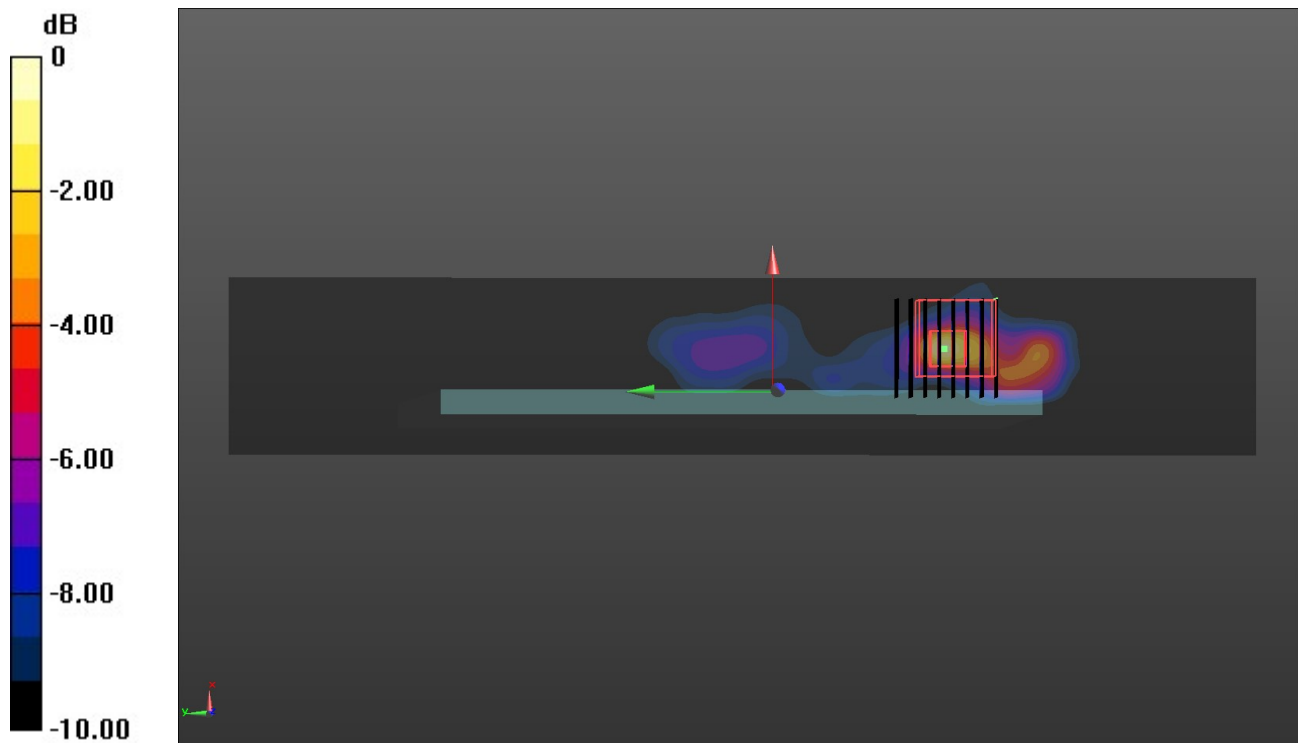
**Right/CH 40/Zoom Scan (8x8x6)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.451 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.337 W/kg

**SAR(1 g) = 0.062 W/kg; SAR(10 g) = 0.016 W/kg**

Maximum value of SAR (measured) = 0.194 W/kg



0 dB = 0.194 W/kg = -7.12 dBW/kg

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**WiFi 5G-U-NII Band 3**

Communication System: UID 0, Generic WIFI (0); Frequency: 5745 MHz;Duty Cycle: 1:1

Medium parameters used:  $f = 5745$  MHz;  $\sigma = 5.133$  S/m;  $\epsilon_r = 35.279$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Ambient Temperature:22.1°C;Liquid Temperature:21.9°C;

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(4.85, 4.85, 4.85) @ 5745 MHz; Calibrated: 3/25/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 3/19/2019
- Phantom: ELI V8.0 ; Type: QD OVA 004 AA ; Serial: 2078
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

**Right/CH 149/Area Scan (51x291x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.145 W/kg

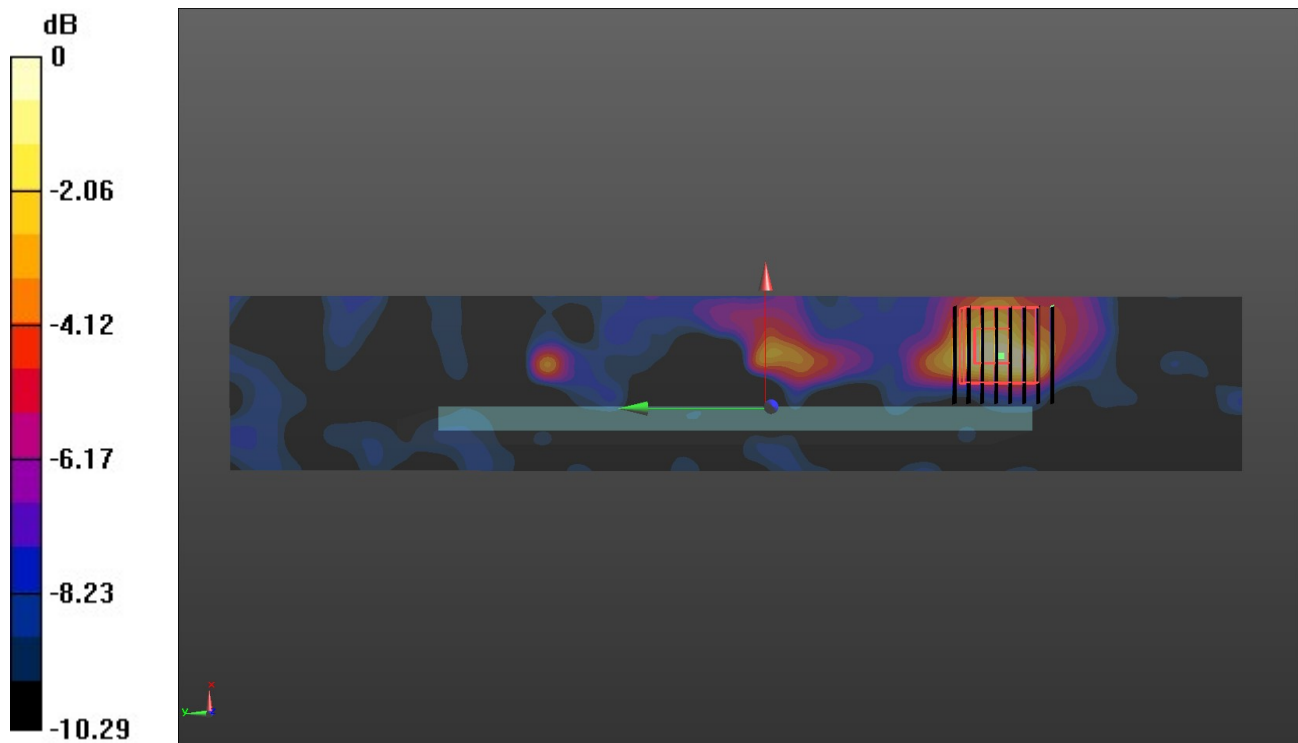
**Right/CH 149/Zoom Scan (8x8x6)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.381 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.635 W/kg

**SAR(1 g) = 0.053 W/kg; SAR(10 g) = 0.020 W/kg**

Maximum value of SAR (measured) = 0.142 W/kg



0 dB = 0.142 W/kg = -8.48 dBW/kg