

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

Date: 7/15/2019

WiFi 2.4G ANT2

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

Medium parameters used (interpolated): $f = 2412$ MHz; $\sigma = 1.966$ S/m; $\epsilon_r = 53.058$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.2°C; Liquid Temperature: 21.9°C;

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(8, 8, 8) @ 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)

Bottom/CH 1/Area Scan (81x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.256 W/kg

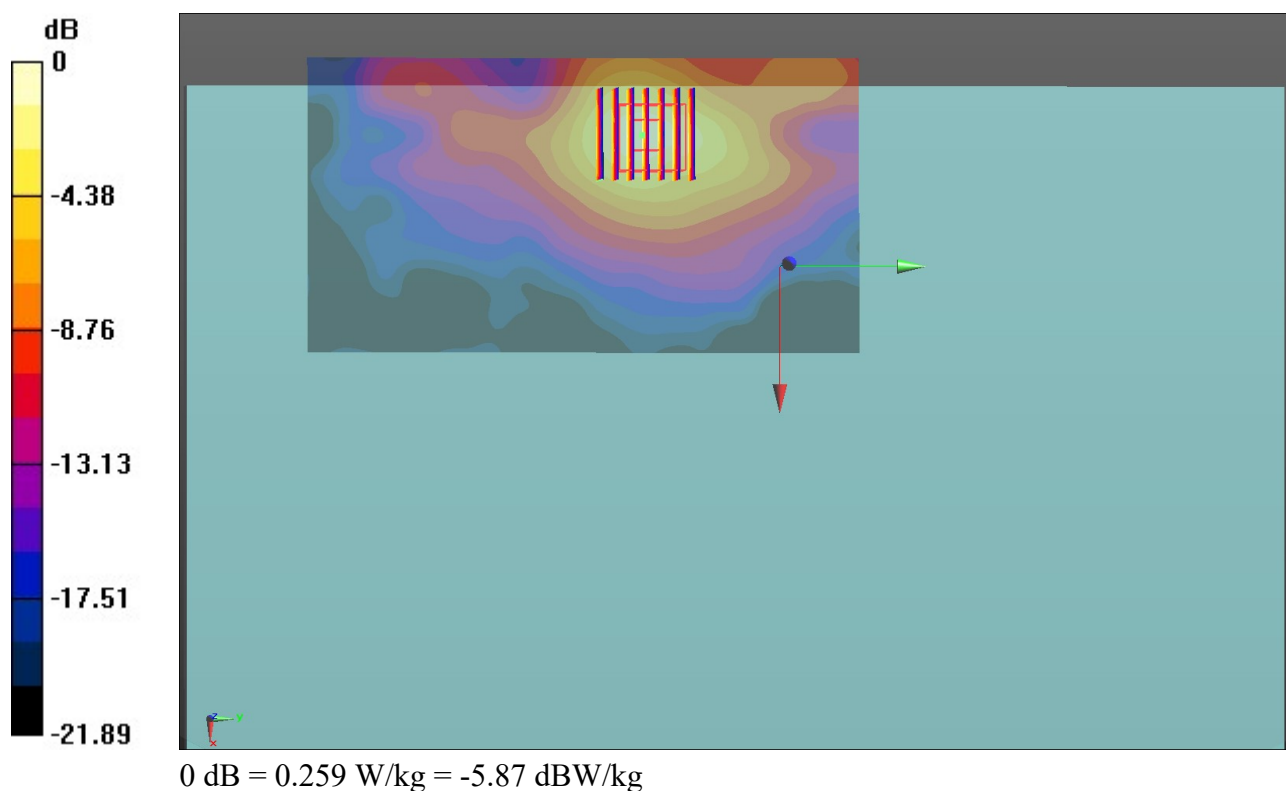
Bottom/CH 1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.129 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.354 W/kg

SAR(1 g) = 0.156 W/kg; SAR(10 g) = 0.077 W/kg[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.259 W/kg



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WiFi 5G U-NII-1 ANT2

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

Medium parameters used: $f = 5200$ MHz; $\sigma = 5.381$ S/m; $\epsilon_r = 48.152$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

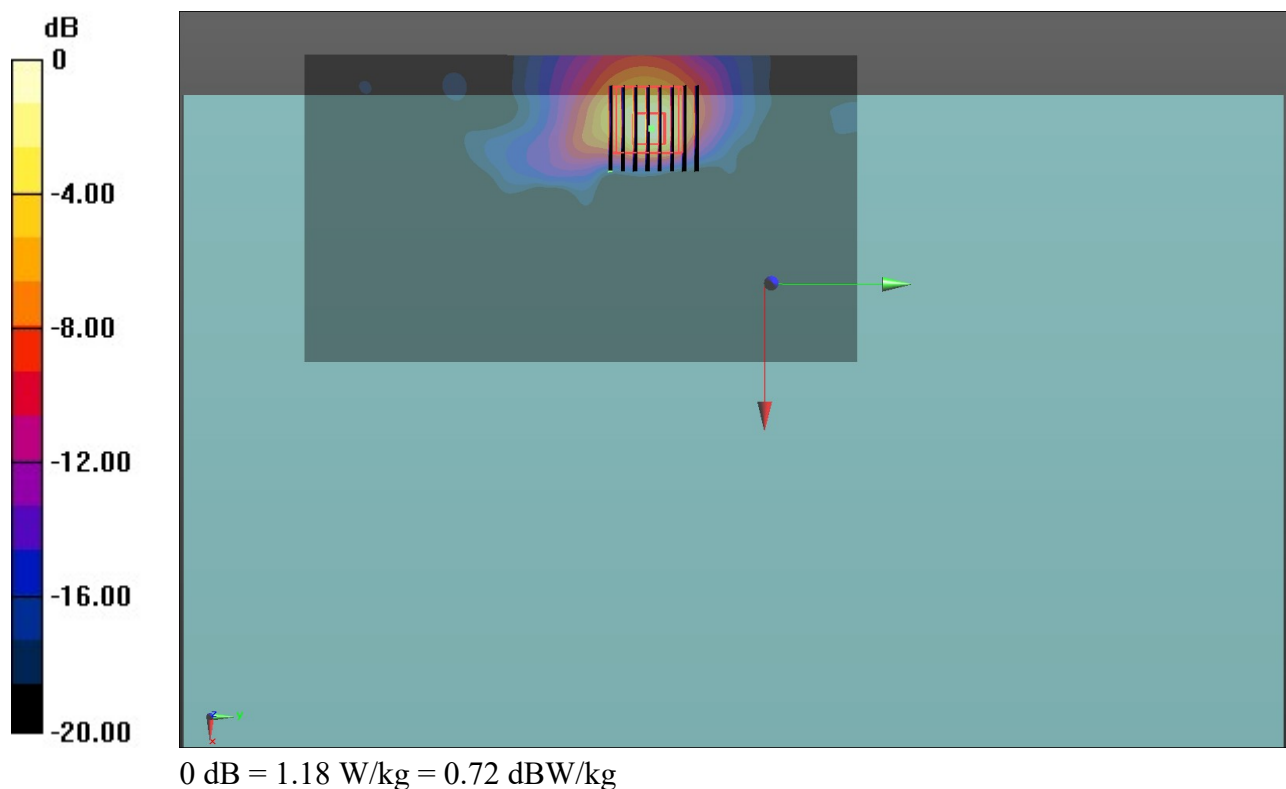
Ambient Temperature: 22.0°C; Liquid Temperature: 21.8°C;

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(5.11, 5.11, 5.11) @ 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)

Bottom/CH 40/Area Scan (101x181x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm
 Maximum value of SAR (interpolated) = 1.08 W/kg

Bottom/CH 40/Zoom Scan (8x8x6)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm
 Reference Value = 0.2320 V/m; Power Drift = -0.06 dB
 Peak SAR (extrapolated) = 2.17 W/kg
SAR(1 g) = 0.485 W/kg; SAR(10 g) = 0.150 W/kg
 Maximum value of SAR (measured) = 1.18 W/kg



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WiFi 5G U-NII-2A ANT2

Communication System: UID 0, Generic WIFI (0); Frequency: 5280 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5280$ MHz; $\sigma = 5.502$ S/m; $\epsilon_r = 47.982$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

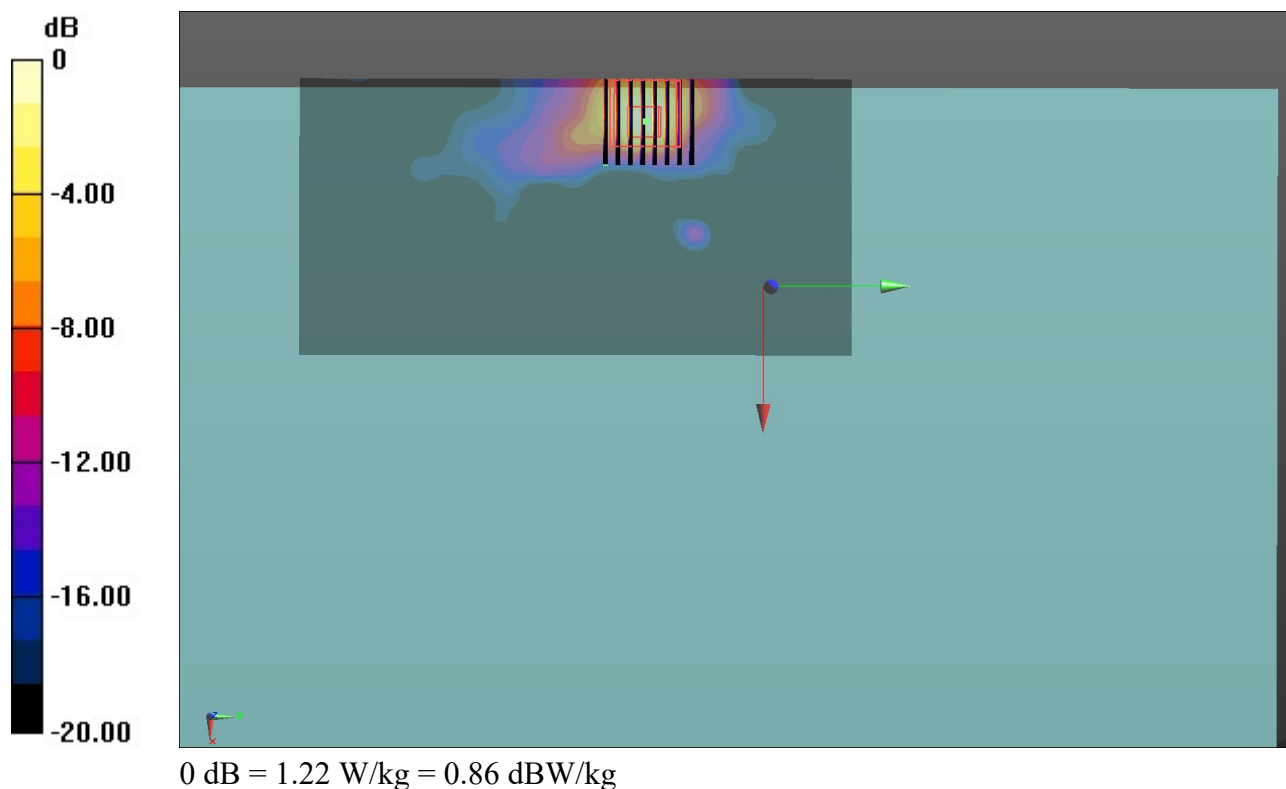
Ambient Temperature: 22.1°C; Liquid Temperature: 21.9°C;

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(4.89, 4.89, 4.89) @ 5280 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)

Bottom/CH 56/Area Scan (91x181x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm
 Maximum value of SAR (interpolated) = 1.05 W/kg

Bottom/CH 56/Zoom Scan (8x8x6)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm
 Reference Value = 0 V/m; Power Drift = 0.09 dB
 Peak SAR (extrapolated) = 2.19 W/kg
SAR(1 g) = 0.499 W/kg; SAR(10 g) = 0.155 W/kg
 Maximum value of SAR (measured) = 1.22 W/kg



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WiFi 5G U-NII-2C ANT2

Communication System: UID 0, Generic WIFI (0); Frequency: 5700 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5700$ MHz; $\sigma = 6.123$ S/m; $\epsilon_r = 47.171$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.1°C; Liquid Temperature: 21.8°C;

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(4.5, 4.5, 4.5) @ 5700 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)

Bottom/CH 140/Area Scan (91x181x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm
 Maximum value of SAR (interpolated) = 0.287 W/kg

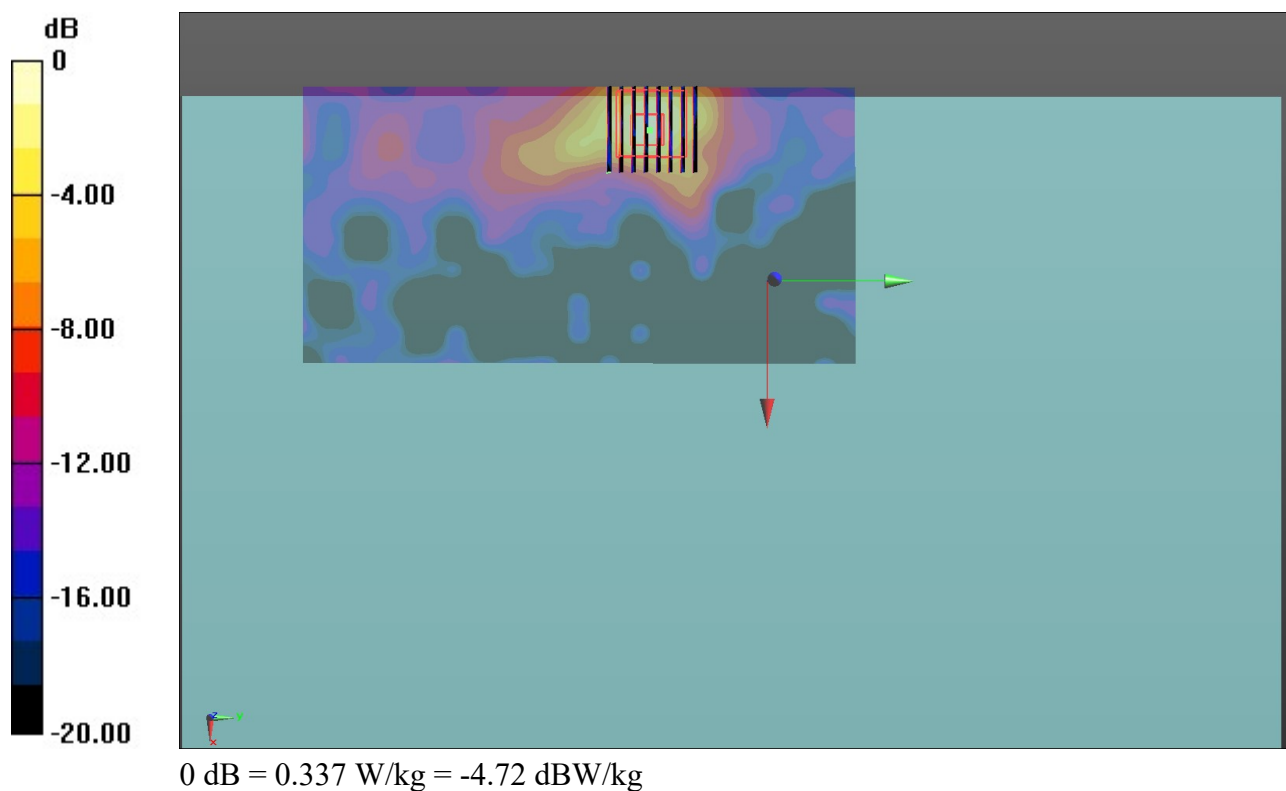
Bottom/CH 140/Zoom Scan (8x8x6)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 0.6770 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.65 W/kg

SAR(1 g) = 0.122 W/kg; SAR(10 g) = 0.043 W/kg

Maximum value of SAR (measured) = 0.337 W/kg



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WiFi 5G U-NII-3 ANT2

Communication System: UID 0, Generic WIFI (0); Frequency: 5825 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5825$ MHz; $\sigma = 6.219$ S/m; $\epsilon_r = 47.88$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(4.5, 4.5, 4.5) @ 5825 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)

Bottom/CH 165/Area Scan (91x181x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm
 Maximum value of SAR (interpolated) = 0.720 W/kg

Bottom/CH 165/Zoom Scan (8x8x6)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 1.117 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 2.08 W/kg

SAR(1 g) = 0.253 W/kg; SAR(10 g) = 0.085 W/kg

Maximum value of SAR (measured) = 0.679 W/kg

