Test Laboratory: Huatongwei International Inspection Co., Ltd.,SAR Lab Date: 3/12/2019

WIFI 2.4G-MIMO 802.11n(HT20)

Communication System: UID 0, Generic WIFI (0); Frequency: 2462 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2462 MHz; σ = 2.012 S/m; ε_r = 52.998; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature:22.7°C;Liquid Temperature:23.0°C;

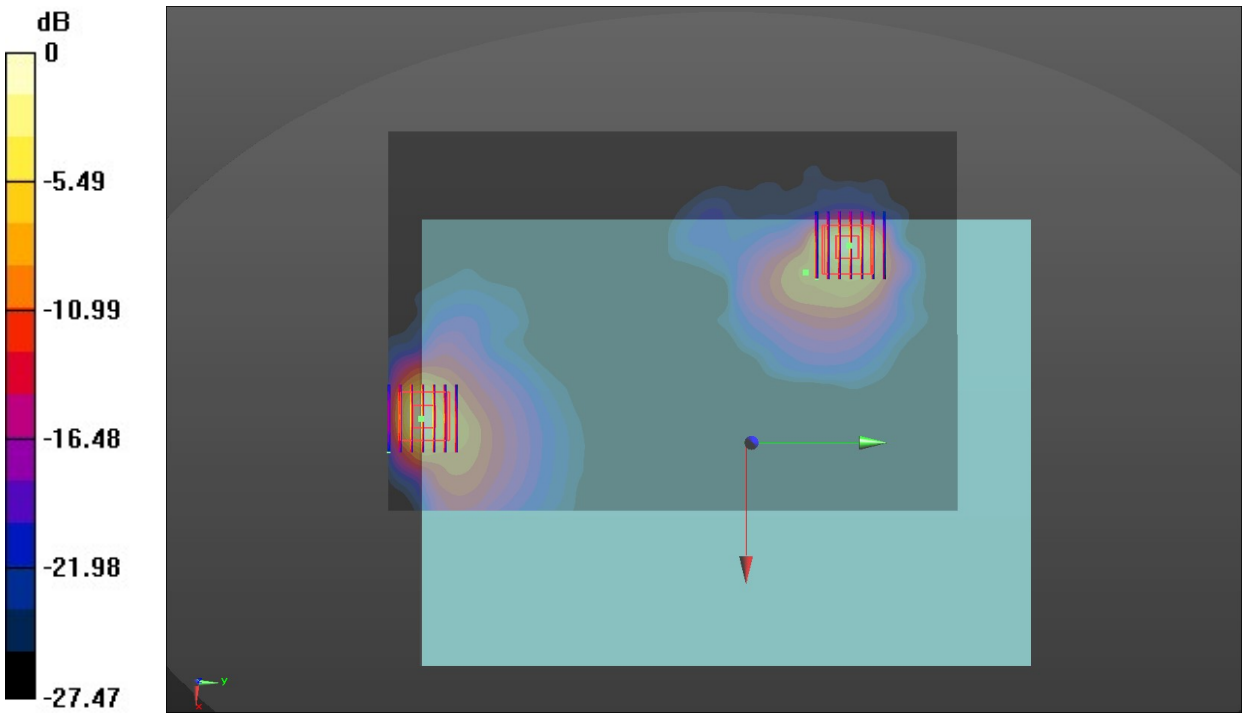
DASY Configuration:

- Probe: EX3DV4 - SN7375; ConvF(7.81, 7.81, 7.81) @ 2462 MHz; Calibrated: 12/13/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1315; Calibrated: 4/18/2018
- Phantom: ELI V8.0 ; Type: QD OVA 004 AA ; Serial: 2078
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Front/CH 11/Area Scan (141x211x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 2.27 W/kg

Front/CH 11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 4.19 W/kg
SAR(1 g) = 1.51 W/kg; SAR(10 g) = 0.498 W/kg
Maximum value of SAR (measured) = 2.93 W/kg

Front/CH 11/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 2.95 W/kg
SAR(1 g) = 1.07 W/kg; SAR(10 g) = 0.356 W/kg
Maximum value of SAR (measured) = 2.25 W/kg



0 dB = 2.25 W/kg = 3.52 dBW/kg

Test Laboratory: Huatongwei International Inspection Co., Ltd.,SAR Lab Date: 3/12/2019

WIFI 5G U-NII-1 SISO ANT2 802.11n(HT40)

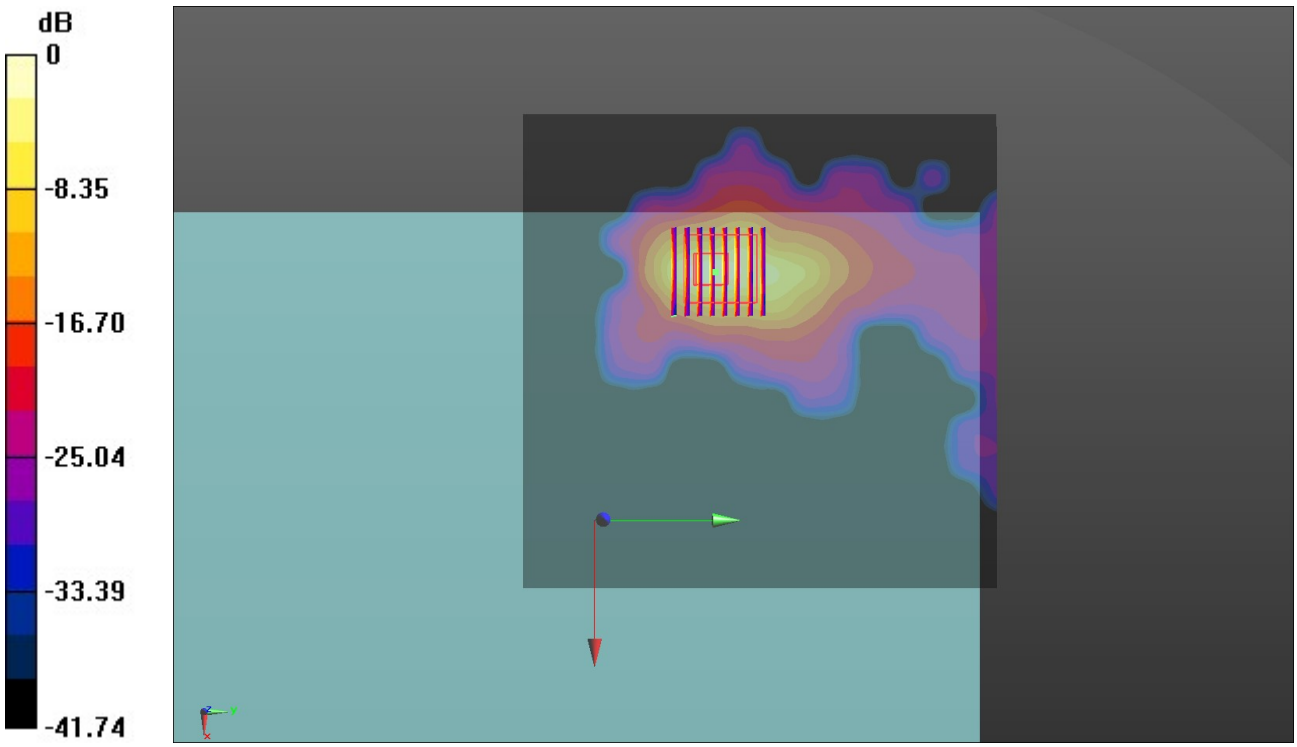
Communication System: UID 0, Generic WIFI (0); Frequency: 5240 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5240 MHz; σ = 5.441 S/m; ε_r = 48.046; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature:23.0°C;Liquid Temperature:22.7°C;

DASY Configuration:

- Probe: EX3DV4 - SN7375; ConvF(4.65, 4.65, 4.65) @ 5240 MHz; Calibrated: 12/13/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1315; Calibrated: 4/18/2018
- Phantom: ELI V8.0 ; Type: QD OVA 004 AA ; Serial: 2078
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Front/CH 48/Area Scan (151x151x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 11.9 W/kg

Front/CH 48/Zoom Scan (8x8x6)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 22.8 W/kg
SAR(1 g) = 4.35 W/kg; SAR(10 g) = 1.21 W/kg
Maximum value of SAR (measured) = 12.0 W/kg



0 dB = 12.0 W/kg = 10.79 dBW/kg

Test Laboratory: Huatongwei International Inspection Co., Ltd.,SAR Lab Date: 3/12/2019

WIFI 5G U-NII-2A MIMO 802.11n(HT40)

Communication System: UID 0, Generic WIFI (0); Frequency: 5270 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5270 MHz; σ = 5.476 S/m; ε_r = 47.999; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature:22.9°C;Liquid Temperature:22.7°C;

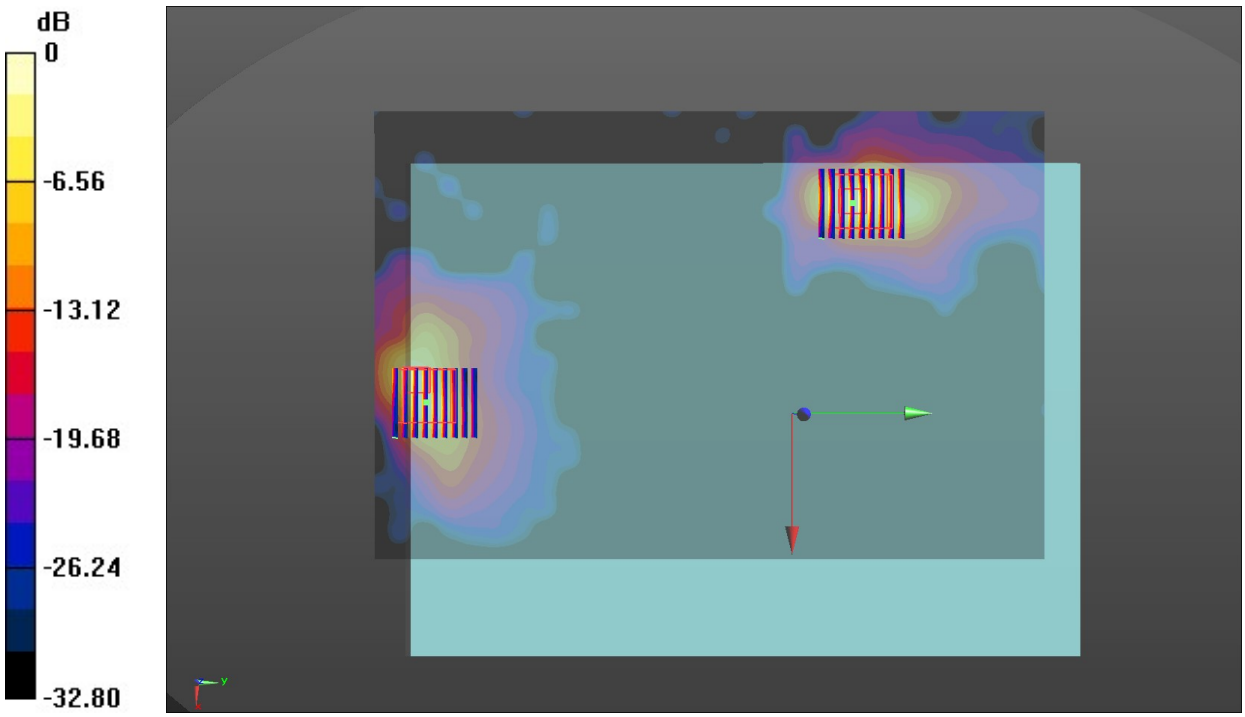
DASY Configuration:

- Probe: EX3DV4 - SN7375; ConvF(4.65, 4.65, 4.65) @ 5270 MHz; Calibrated: 12/13/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1315; Calibrated: 4/18/2018
- Phantom: ELI V8.0 ; Type: QD OVA 004 AA ; Serial: 2078
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Front/CH 54/Area Scan (181x271x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 9.06 W/kg

Front/CH 54/Zoom Scan (8x9x6)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0 V/m; Power Drift = 0.0 dB
Peak SAR (extrapolated) = 20.7 W/kg
SAR(1 g) = 3.95 W/kg; SAR(10 g) = 1.09 W/kg
Maximum value of SAR (measured) = 11.0 W/kg

Front/CH 54/Zoom Scan (8x9x6)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0 V/m; Power Drift = 0.0 dB
Peak SAR (extrapolated) = 13.1 W/kg
SAR(1 g) = 2.67 W/kg; SAR(10 g) = 0.754 W/kg
Maximum value of SAR (measured) = 7.13 W/kg



0 dB = 7.13 W/kg = 8.53 dBW/kg

Test Laboratory: Huatongwei International Inspection Co., Ltd.,SAR Lab Date: 3/13/2019

WIFI 5G U-NII-2C MIMO 802.11ac(VHT80)

Communication System: UID 0, Generic WIFI (0); Frequency: 5670 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5670 MHz; σ = 6.011 S/m; ε_r = 47.194; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature:23.0°C;Liquid Temperature:22.7°C;

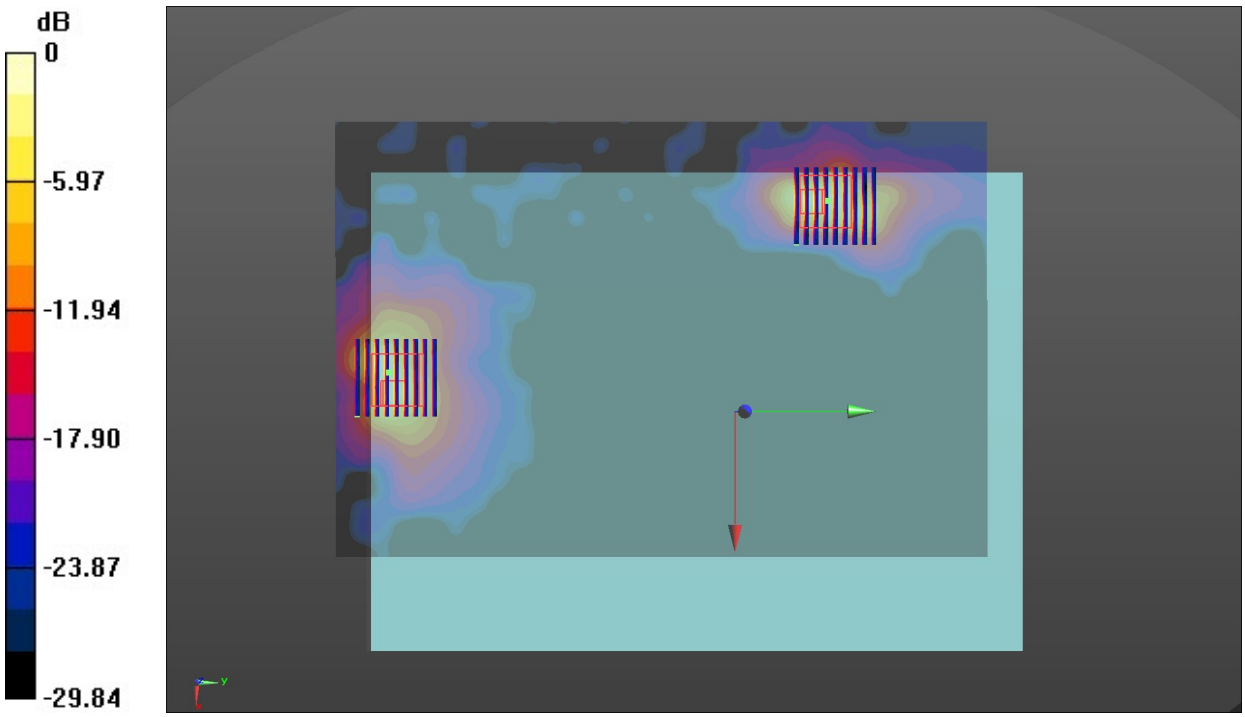
DASY Configuration:

- Probe: EX3DV4 - SN7375; ConvF(4, 4, 4) @ 5670 MHz; Calibrated: 12/13/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1315; Calibrated: 4/18/2018
- Phantom: ELI V8.0 ; Type: QD OVA 004 AA ; Serial: 2078
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Front/CH 134/Area Scan (181x271x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 7.83 W/kg

Front/CH 134/Zoom Scan (9x9x6)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0 V/m; Power Drift = 0.0 dB
Peak SAR (extrapolated) = 14.2 W/kg
SAR(1 g) = 2.54 W/kg; SAR(10 g) = 0.803 W/kg
Maximum value of SAR (measured) = 7.07 W/kg

Front/CH 134/Zoom Scan (9x9x6)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0 V/m; Power Drift = 0.0dB
Peak SAR (extrapolated) = 13.8 W/kg
SAR(1 g) = 2.27 W/kg; SAR(10 g) = 0.585 W/kg
Maximum value of SAR (measured) = 6.30 W/kg



0 dB = 6.30 W/kg = 7.99 dBW/kg

Test Laboratory: Huatongwei International Inspection Co., Ltd.,SAR Lab Date: 3/13/2019

WIFI 5G U-NII-3 SISO ANT2 802.11n(HT40)

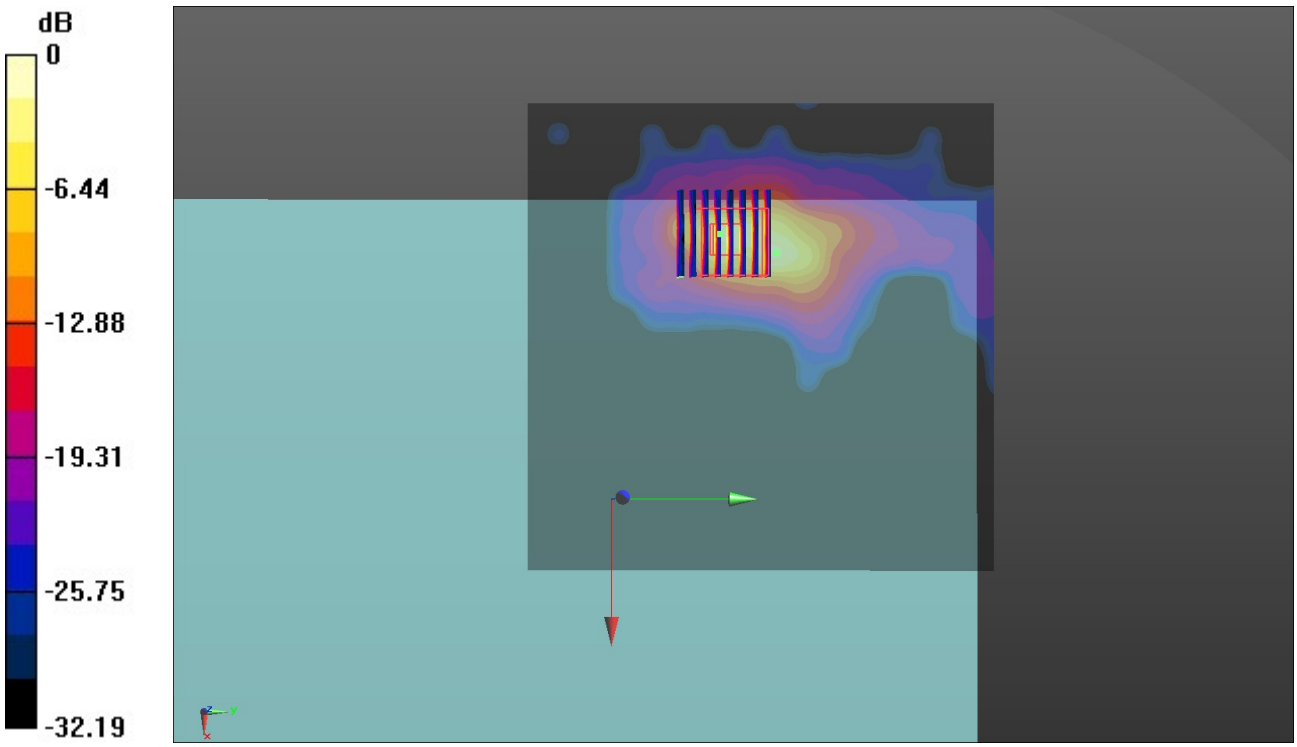
Communication System: UID 0, Generic WIFI (0); Frequency: 5795 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5795 MHz; σ = 6.2 S/m; ε_r = 46.967; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature:22.9°C;Liquid Temperature:22.6°C;

DASY Configuration:

- Probe: EX3DV4 - SN7375; ConvF(4.27, 4.27, 4.27) @ 5795 MHz; Calibrated: 12/13/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1315; Calibrated: 4/18/2018
- Phantom: ELI V8.0 ; Type: QD OVA 004 AA ; Serial: 2078
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Front/CH 159/Area Scan (151x151x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 5.81 W/kg

Front/CH 159/Zoom Scan (8x8x6)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0 V/m; Power Drift = 0.0 dB
Peak SAR (extrapolated) = 15.9 W/kg
SAR(1 g) = 2.65 W/kg; SAR(10 g) = 0.652 W/kg
Maximum value of SAR (measured) = 8.22 W/kg



0 dB = 8.22 W/kg = 9.15 dBW/kg