Appendix B. SAR Measurement Plots

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WiFi 2.4G Body
WiFi 5G Body

Date: 2017-2-19

Test Laboratory: HUAWEI SAR/HAC Lab

BG2-W09 WiFi2.4G 11g 1CH Back side 0mm

DUT: BG2-W09; Type: Mediapad; Serial: SAR1

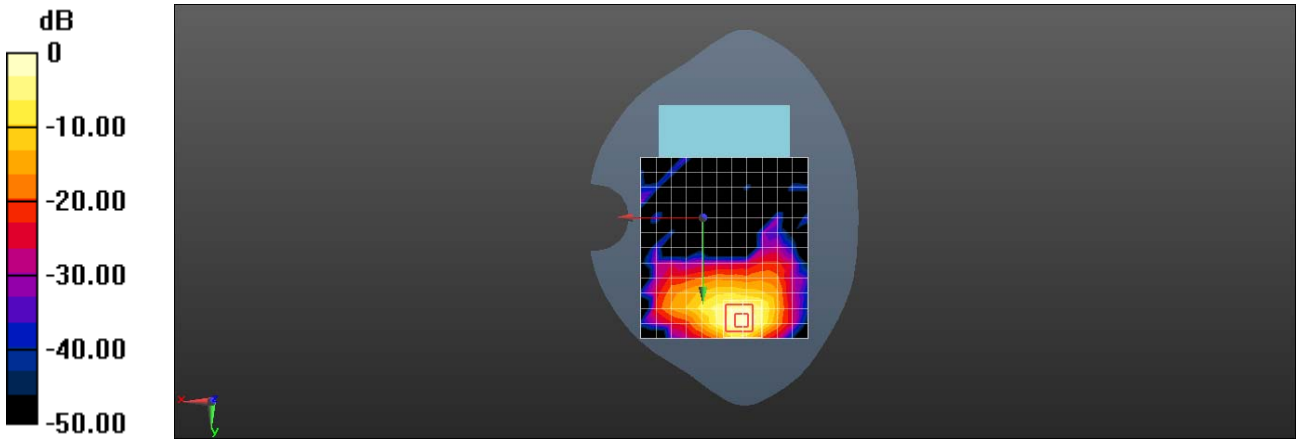
Communication System: UID 0, WiFi(802.11a/b/g/n/ac) (0); Frequency: 2412 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2412 MHz; σ = 1.996 S/m; ε_r = 52.399; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.57, 4.57, 4.57); Calibrated: 2016-9-27;
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn852; Calibrated: 2016-4-20
- Phantom: SAM2; Type: SAM; Serial: TP:1474
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (12x13x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 1.13 W/kg

Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0.2124 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 3.02 W/kg
SAR(1 g) = 1.08 W/kg; SAR(10 g) = 0.398 W/kg
Maximum value of SAR (measured) = 1.59 W/kg



0 dB = 1.13 W/kg = 0.53 dBW/kg

Date: 2017-2-27

Test Laboratory: HUAWEI SAR/HAC Lab

BG2-W09 WiFi 5G 802.11n 40M 62CH Top Side 0mm

DUT: BG2-W09; Type: Smart Phone; Serial: SAR1

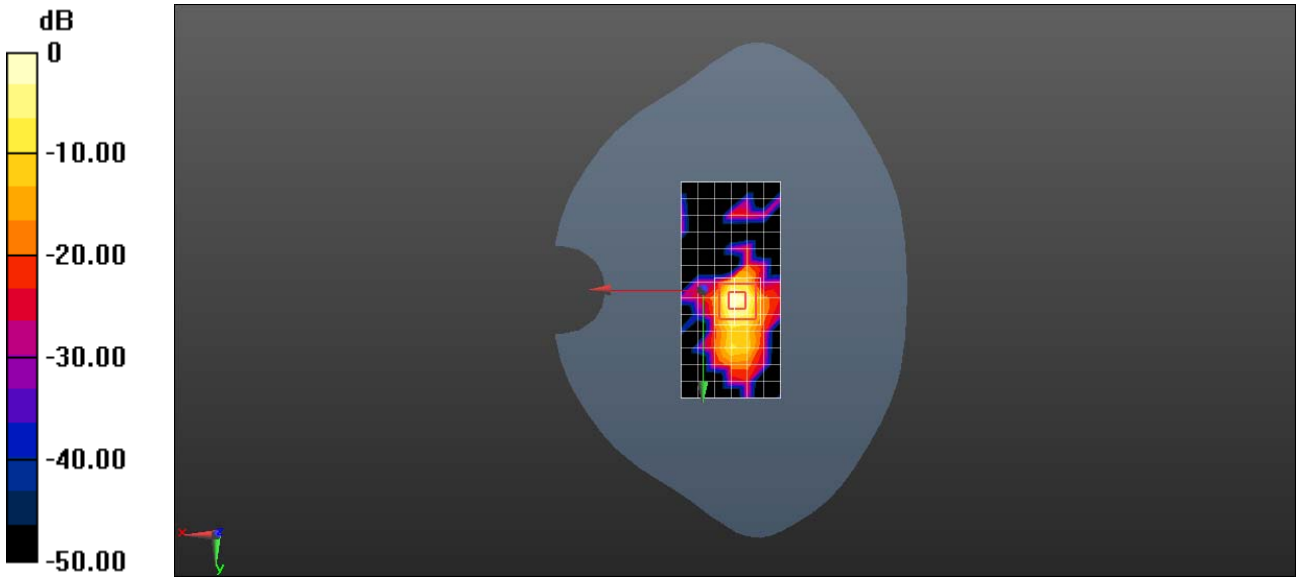
Communication System: UID 0, WiFi(802.11a/b/g/n/ac) (0); Frequency: 5310 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5310 MHz; σ = 5.371 S/m; ε_r = 48.735; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(3.92, 3.92, 3.92); Calibrated: 2016-4-26;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 25.0
- Electronics: DAE4 Sn852; Calibrated: 2016-4-20
- Phantom: SAM2; Type: SAM; Serial: TP:1474
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (7x14x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.39 W/kg

Configuration/Body/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 8.716 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 4.75 W/kg
SAR(1 g) = 0.883 W/kg; SAR(10 g) = 0.170 W/kg
Maximum value of SAR (measured) = 2.38 W/kg



0 dB = 1.39 W/kg = 1.43 dBW/kg