



Appendix B. SAR Measurement Plots

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Body SAR
Product Specific 10-g SAR

Place of testing: HUAWEI SAR/HAC Lab

EGRT-09 BT 78CH Edge Side 15mm

DUT: EGRT-09 ; Type: HUAWEI Sound Joy; Serial: SAR5

Communication System: UID 0, BT (0); Frequency: 2480 MHz; Duty Cycle: 1:1.74985

Medium parameters used: $f = 2480$ MHz; $\sigma = 1.771$ S/m; $\epsilon_r = 39.032$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7381; ConvF(8.01, 8.01, 8.01) @ 2480 MHz; Calibrated: 2020-11-30
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1531; Calibrated: 2021-02-24
- Phantom: SAM7; Type: SAM; Serial: 1594
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (11x11x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 0.0412 W/kg

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

Reference Value = 2.974 V/m; Power Drift = 0.13 dB

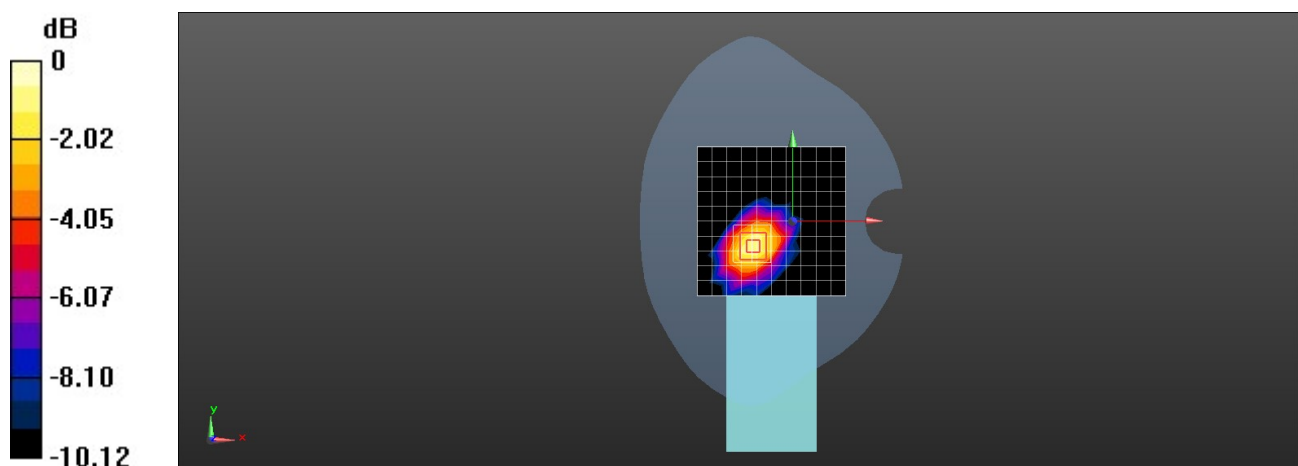
Peak SAR (extrapolated) = 0.0570 W/kg

SAR(1 g) = 0.035 W/kg; SAR(10 g) = 0.022 W/kg

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 63%

Maximum value of SAR (measured) = 0.0485 W/kg



0 dB = 0.0485 W/kg = -13.14 dBW/kg

Place of testing: HUAWEI SAR/HAC Lab

EGRT-09 BT 78CH Edge Side 0mm

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Configuration/Product Specific 10-g/Area Scan (11x11x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 0.175 W/kg

Configuration/Product Specific 10-g/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 2.581 V/m; Power Drift = 0.11 dB

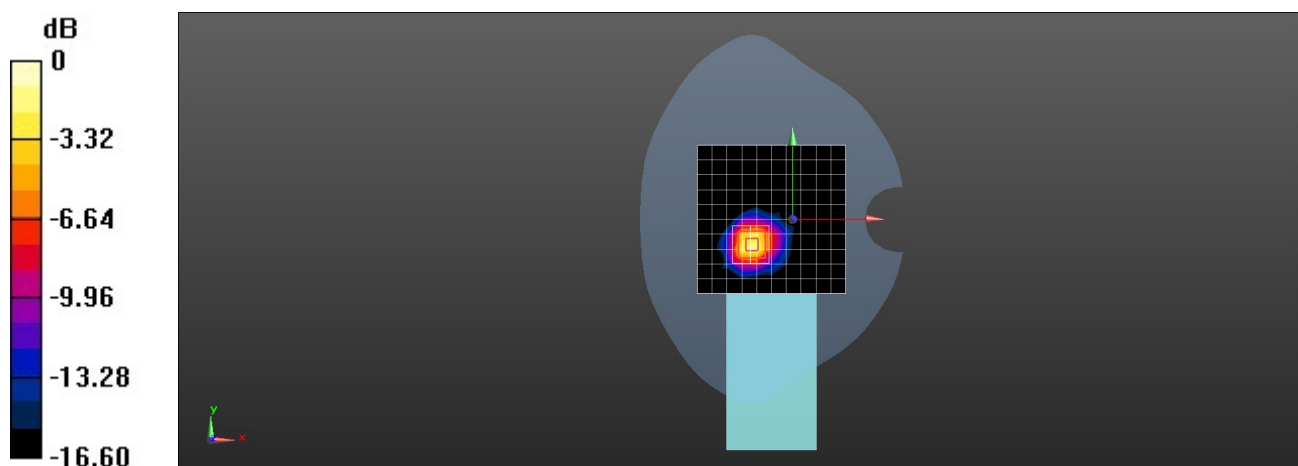
Peak SAR (extrapolated) = 0.292 W/kg

SAR(1 g) = 0.143 W/kg; SAR(10 g) = 0.065 W/kg

Smallest distance from peaks to all points 3 dB below = 8.2 mm

Ratio of SAR at M2 to SAR at M1 = 52%

Maximum value of SAR (measured) = 0.237 W/kg



0 dB = 0.237 W/kg = -6.25 dBW/kg