



Appendix B. SAR Measurement Plots

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CDMA BC0 Body
CDMA BC1 Body

Test Laboratory: HUAWEI SAR/HAC Lab

F256-BVW CDMA BC0 384CH Top Side 25mm-antenna horizontal with battery 2#

DUT: F256-B,F256-BVW; Type: Wireless Gateway; Serial: SAR2

Communication System: UID 0, CDMA2000 (0); Frequency: 836.52 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 837$ MHz; $\sigma = 0.953$ S/m; $\epsilon_r = 54.017$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(9.28, 9.28, 9.28); Calibrated: 2013-5-10;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2013-11-27
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Configuration/Body/Area Scan (7x14x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.422 W/kg

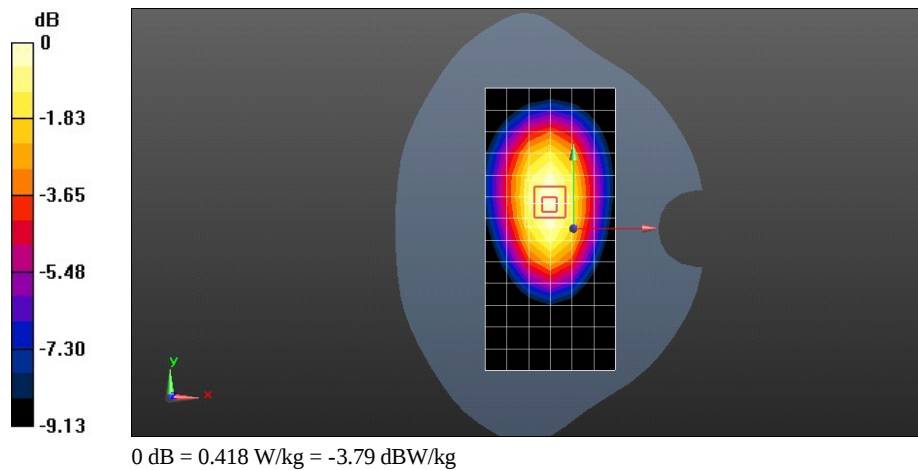
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 19.272 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.513 W/kg

SAR(1 g) = 0.369 W/kg; SAR(10 g) = 0.261 W/kg

Maximum value of SAR (measured) = 0.418 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

F256-BVW CDMA BC1 600CH Top Side 25mm-antenna horizontal

DUT: F256-B F256-BVW; Type: Wireless Gateway; Serial: SAR2

Communication System: UID 0, CDMA2000 (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.435$ S/m; $\epsilon_r = 52.705$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.72, 4.72, 4.72); Calibrated: 2013-9-30;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn852; Calibrated: 2013-11-27
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Configuration/Body/Area Scan (7x14x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.624 W/kg

Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 12.633 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.927 W/kg

SAR(1 g) = 0.615 W/kg; SAR(10 g) = 0.391 W/kg

Maximum value of SAR (measured) = 0.727 W/kg

