

15.16 SAR test plots for Repeat Measurement

LTE Band 17 Edge1 0mm Reduced Power 710MHz Repeat

Communication System: UID 0, LTE (0); Communication System Band: Band 17; Frequency: 710 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 710$ MHz; $\sigma = 0.914$ S/m; $\epsilon_r = 56.114$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3917; ConvF(9.99, 9.99, 9.99); Calibrated: 2013/05/14;

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1369; Calibrated: 2013/05/13

Phantom: ELI v5.0 SN1203; Type: QDOVA002AA;

Measurement SW: DASYS2, Version 52.8 (7);

Area Scan 2 (51x101x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 1.57 W/kg

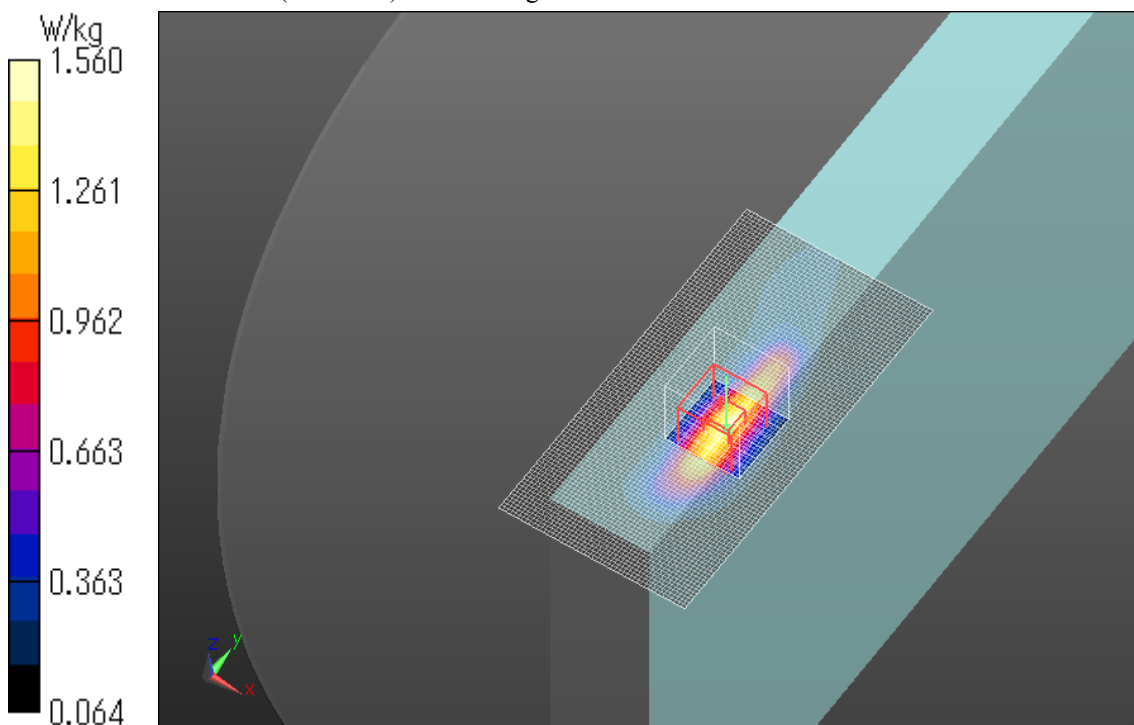
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 8.297 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 2.13 W/kg

SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.544 W/kg

Maximum value of SAR (measured) = 1.56 W/kg



Plot No.1

WCDMA Band V Edge1 0mm Reduced Power 826.4MHz Repeat

Communication System: UID 0, WCDMA V 835M (0); Communication System Band: Band V;
Frequency: 826.4 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 826.4$ MHz; $\sigma = 0.937$ S/m; $\epsilon_r = 53.128$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2007)
DASYS5 Configuration
Probe: EX3DV4 - SN3922; ConvF(10.16, 10.16, 10.16); Calibrated: 2013/06/04;
Sensor-Surface: 2mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1372; Calibrated: 2013/06/03
Phantom: ELI v5.0 TP1207; Type: QDOVA002AA;
Measurement SW: DASYS2, Version 52.8 (7);

Area Scan 2 2 (41x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 1.31 W/kg

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

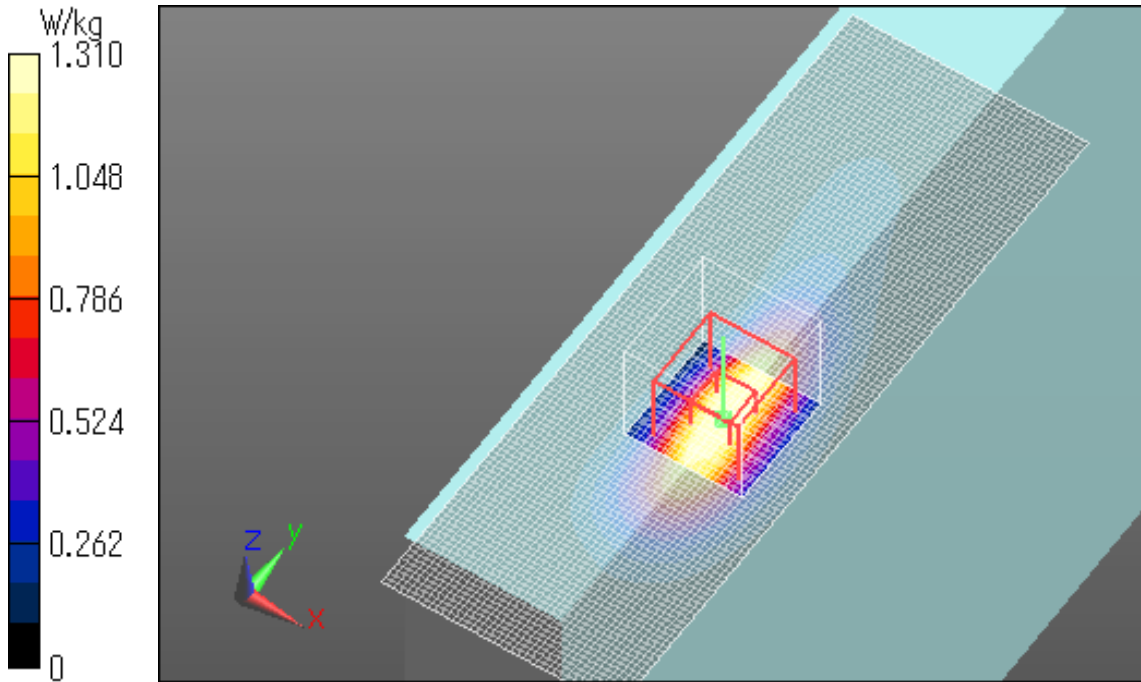
Reference Value = 39.209 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 2.17 W/kg

SAR(1 g) = 1.03 W/kg; SAR(10 g) = 0.536 W/kg

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.60 W/kg



Plot No.2

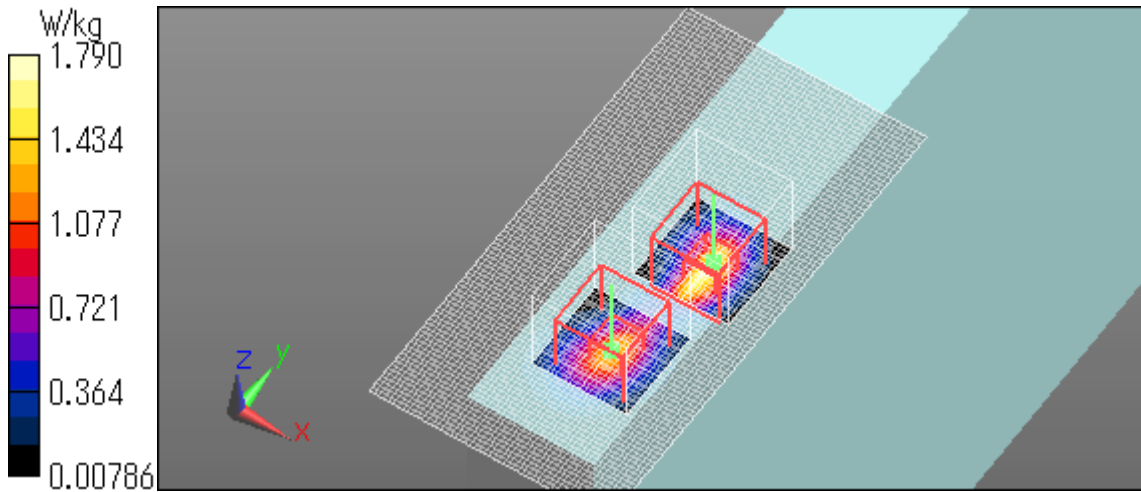
WCDMA Band IV Edge1 0mm Reduced Power 1752.6MHz Repeat

Communication System: UID 0, WCDMA (0); Communication System Band: Band IV; Frequency: 1752.6 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 1752.6$ MHz; $\sigma = 1.442$ S/m; $\epsilon_r = 51.598$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2007)
DASYS5 Configuration
Probe: EX3DV4 - SN3917; ConvF(7.91, 7.91, 7.91); Calibrated: 2013/05/14;
Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)),
Sensor-Surface: 2mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1369; Calibrated: 2013/05/13
Phantom: ELI v5.0 SN1203; Type: QDOVA002AA;
Measurement SW: DASYS52, Version 52.8 (7);

Area Scan 2 (51x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.30 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0.301 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 1.93 W/kg
SAR(1 g) = 0.911 W/kg; SAR(10 g) = 0.408 W/kg
Maximum value of SAR (measured) = 1.37 W/kg

Zoom Scan 2 (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0.301 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 2.75 W/kg
SAR(1 g) = 0.977 W/kg; SAR(10 g) = 0.395 W/kg
Maximum value of SAR (measured) = 1.79 W/kg



Plot No.3

CDMA Band1 Edge1 0mm Reduced Power 1880MHz Repeat

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.549$ S/m; $\epsilon_r = 51.404$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3922; ConvF(7.76, 7.76, 7.76); Calibrated: 2013/06/04;

Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)),

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1372; Calibrated: 2013/06/03

Phantom: ELI v5.0 TP1207; Type: QDOVA002AA;

Measurement SW: DASYS2, Version 52.8 (7);

Area Scan (41x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.83 W/kg

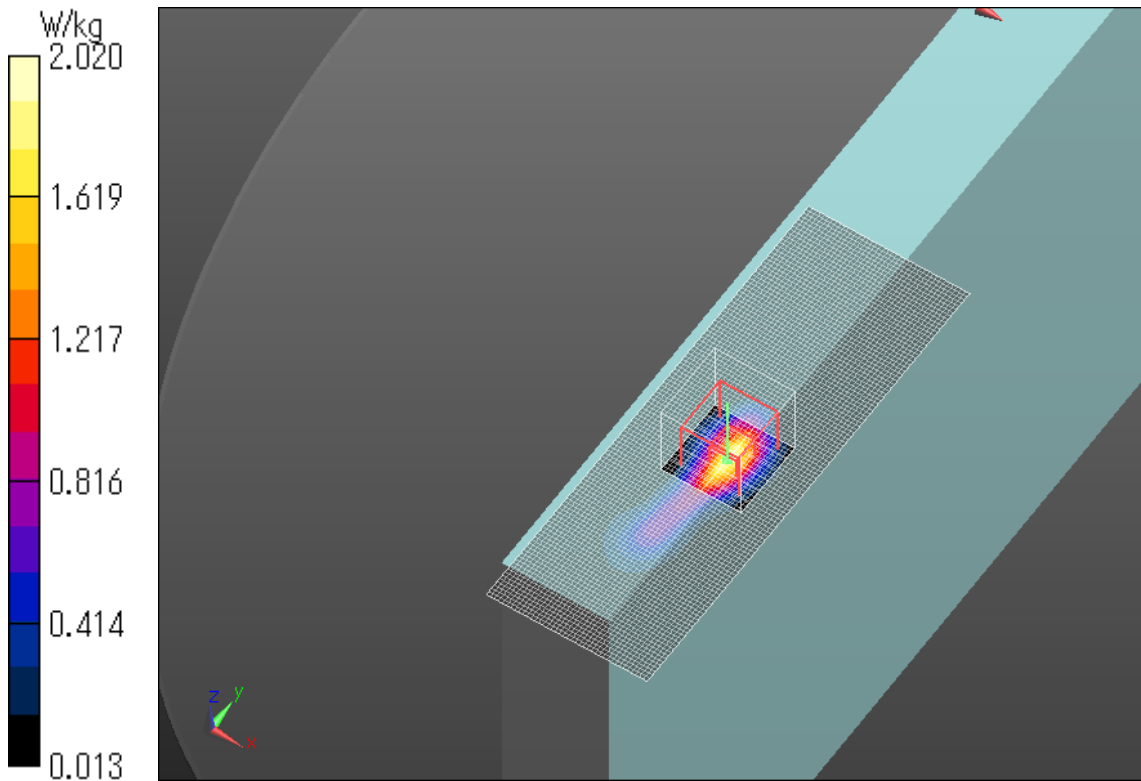
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 36.910 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 2.98 W/kg

SAR(1 g) = 1.18 W/kg; SAR(10 g) = 0.502 W/kg

Maximum value of SAR (measured) = 2.02 W/kg



Plot No.4