

17.14 SAR test plots for Repeat Measurement

LTE Band13 QPSK Allocation50 Start0 782MHz Edge1 0mm Power Reduction -Repeat-

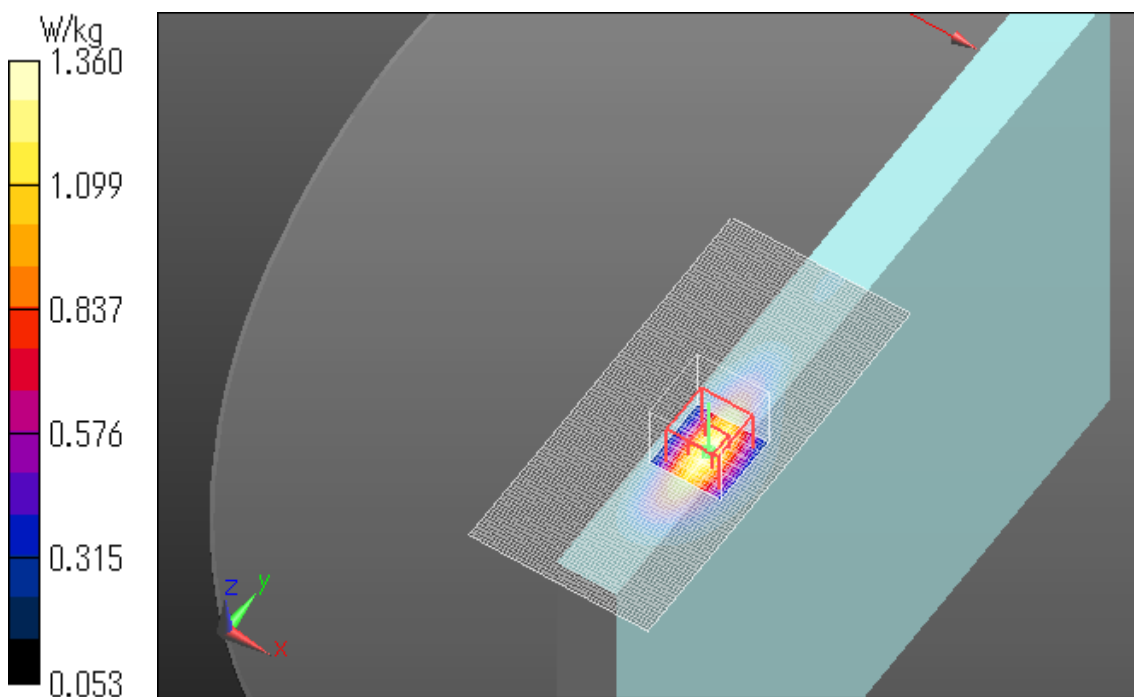
Communication System: UID 0, Generic LTE (0); Communication System Band: Band 13,
E-UTRA/FDD (777.0 - 787.0 MHz); Frequency: 782 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 782$ MHz; $\sigma = 0.963$ S/m; $\epsilon_r = 54.672$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration
Probe: EX3DV4 - SN3825; ConvF(9.98, 9.98, 9.98); Calibrated: 2016/12/12;
Sensor-Surface: 2mm (Mechanical Surface Detection)
Electronics: DAE4 Sn509; Calibrated: 2016/07/07
Phantom: ELI v4.0 (20deg probe tilt); Type: QDOVA001BB; Serial: TP:1045
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Area Scan (51x111x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm
Maximum value of SAR (interpolated) = 1.36 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm
Reference Value = 40.92 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.79 W/kg
SAR(1 g) = 0.954 W/kg; SAR(10 g) = 0.523 W/kg
Maximum value of SAR (measured) = 1.36 W/kg

Date: 2017/01/17

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.



LTE Band5 QPSK Allocation25 Start12 844MHz Edge1 0mm Power Reduction -Repeat-

Communication System: UID 0, Generic LTE (0); Communication System Band: Band 5, E-UTRA/FDD (824.0 - 849.0 MHz); Frequency: 844 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 844$ MHz; $\sigma = 0.958$ S/m; $\epsilon_r = 54.687$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(9.9, 9.9, 9.9); Calibrated: 2016/12/12;

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn509; Calibrated: 2016/07/07

Phantom: ELI v4.0 (20deg probe tilt); Type: QDOVA001BB; Serial: TP:1045

Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Area Scan (51x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

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

Reference Value = 40.32 V/m; Power Drift = -0.06 dB

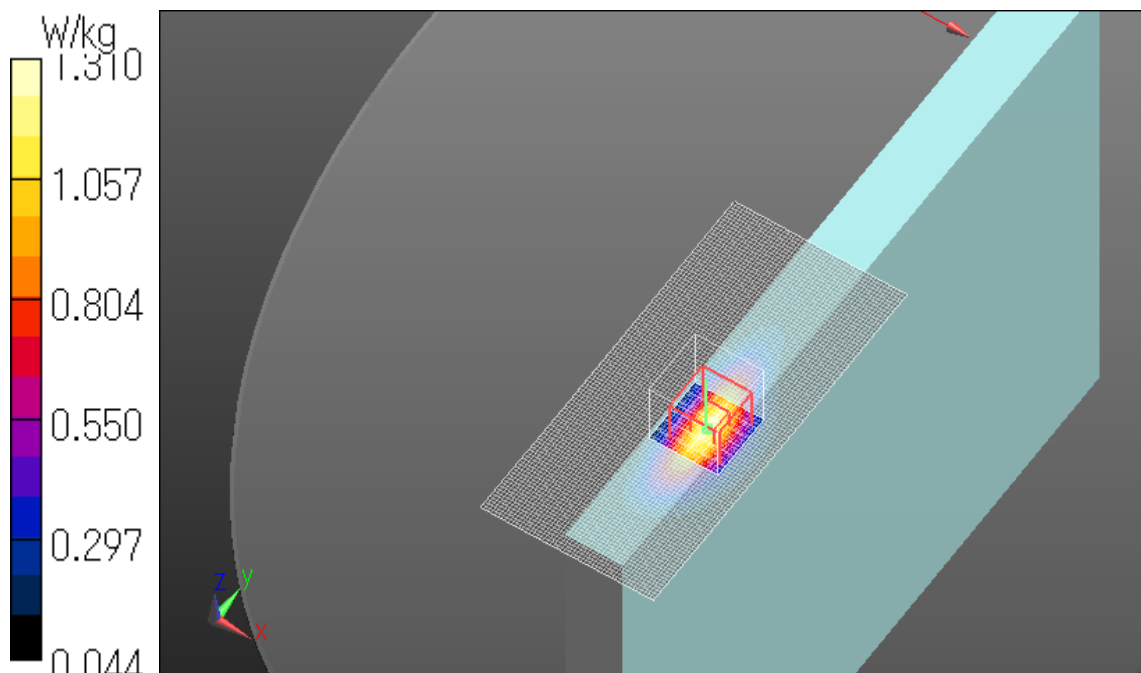
Peak SAR (extrapolated) = 1.74 W/kg

SAR(1 g) = 0.910 W/kg; SAR(10 g) = 0.492 W/kg

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

Date: 2017/01/18

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.



WCDMA Band4 12.2kRMC 1712.4MHz Edge1 0mm Power Reduction -Repeat-

Communication System: UID 0, WCDMA (0); Communication System Band: Band IV; Frequency:

1712.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1712.4$ MHz; $\sigma = 1.469$ S/m; $\epsilon_r = 51.301$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3917; ConvF(7.9, 7.9, 7.9); Calibrated: 2016/05/12;

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1369; Calibrated: 2016/05/13

Phantom: ELI v5.0 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:1203

Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Area Scan (51x111x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 1.76 W/kg

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

Reference Value = 33.82 V/m; Power Drift = -0.10 dB

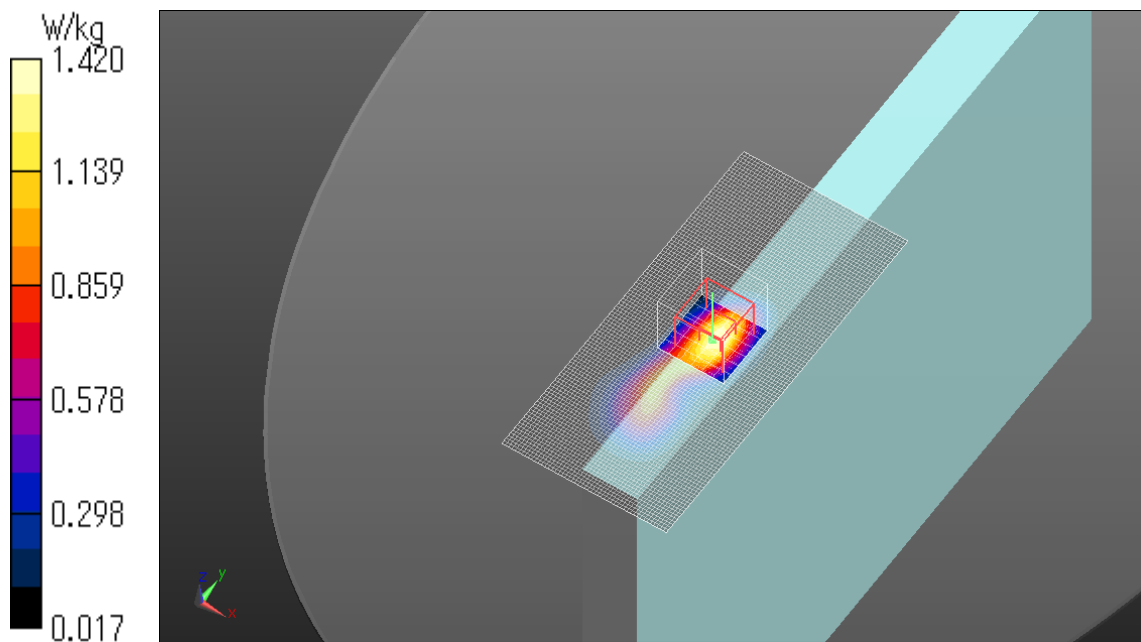
Peak SAR (extrapolated) = 1.92 W/kg

SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.521 W/kg

Maximum value of SAR (measured) = 1.42 W/kg

Date: 2017/01/16

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.



WCDMA Band2 12.2kRMC 1880MHz Edge1 0mm Power Reduction -Repeat-

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.52$ S/m; $\epsilon_r = 51.296$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3917; ConvF(7.68, 7.68, 7.68); Calibrated: 2016/05/12;

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1369; Calibrated: 2016/05/13

Phantom: ELI v5.0 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:1203

Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Area Scan (51x111x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 1.49 W/kg

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

Reference Value = 30.75 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 1.70 W/kg

SAR(1 g) = 0.862 W/kg; SAR(10 g) = 0.430 W/kg

Maximum value of SAR (measured) = 1.25 W/kg

Zoom Scan 2 (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 30.75 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 1.64 W/kg

SAR(1 g) = 0.817 W/kg; SAR(10 g) = 0.355 W/kg

Maximum value of SAR (measured) = 1.27 W/kg

Date: 2017/01/18

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.

