

Appendix A Verification Plots

Appendix A.1 Verification Plots for Verification 1750MHz

Date/Time: 2024-12-30 09:50:49

Test Laboratory : SGS Korea (Gunpo Laboratory)
File Name: [Verification 1750MHz_2024-12-30.da53:0](#)

Input Power : 100 mW

DUT: Dipole 1750 MHz D1750V2; Type: D1750V2; Serial: D1750V2 - SN:1070

Communication System: UID 0, CW (0); Frequency: 1750 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1750$ MHz; $\sigma = 1.381$ S/m; $\epsilon_r = 41.256$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY52 Configuration:

- Probe: EX3DV4 - SN3986; ConvF(8.64, 8.22, 8.75) @ 1750 MHz; Calibrated: 2024-01-24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn567; Calibrated: 2024-02-16
- Phantom: ELI V5.0 1244; Type: QD OVA 002 AA; Serial: 1244
- DASY52 52.10.4(1527)SEMCAD X 14.6.14(7483)

Verification/1750MHz Verification/Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 5.48 W/kg

Verification/1750MHz Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 61.44 V/m; Power Drift = -0.12 dB

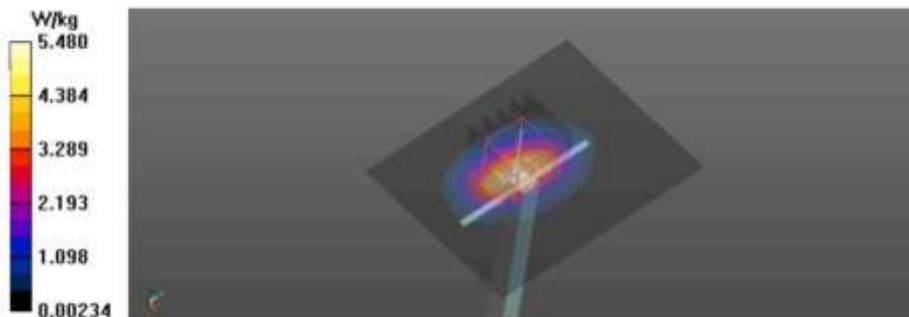
Peak SAR (extrapolated) = 5.65 W/kg

SAR(1 g) = 3.5 W/kg; SAR(10 g) = 2.02 W/kg

Smallest distance from peaks to all points 3 dB below = 10.7 mm

Ratio of SAR at M2 to SAR at M1 = 62%

Maximum value of SAR (measured) = 4.99 W/kg



Appendix A.2 Verification Plots for Verification 2600MHz

Date/Time: 2024-12-23 09:09:56

Test Laboratory : SGS Korea (Gunpo Laboratory)

File Name: [Verification 2600MHz_2024-12-23.da53:0](#)

Input Power : 100 mW

DUT: Dipole 2600 MHz D2600V2; Type: D2600V2; Serial: D2600V2 - SN:1124

Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2600$ MHz; $\sigma = 1.959$ S/m; $\epsilon_r = 39.886$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY52 Configuration:

- Probe: EX3DV4 - SN3986; ConvF(7.96, 7.62, 8.14) @ 2600 MHz; Calibrated: 2024-01-24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn567; Calibrated: 2024-02-16
- Phantom: ELI V5.0 1244; Type: QD OVA 002 AA; Serial: 1244
- DASY52 52.10.4(1527)SEMCAD X 14.6.14(7483)

Verification/2600MHz Verification/Area Scan (81x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 9.57 W/kg

Verification/2600MHz Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 65.54 V/m; Power Drift = -0.13 dB

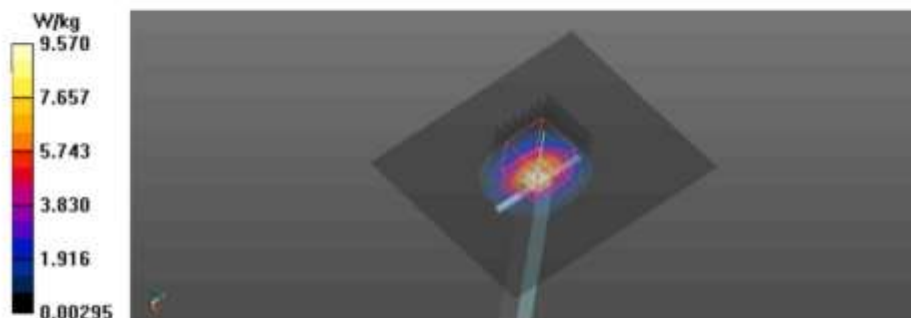
Peak SAR (extrapolated) = 9.85 W/kg

SAR(1 g) = 5.25 W/kg; SAR(10 g) = 2.57 W/kg

Smallest distance from peaks to all points 3 dB below = 9 mm

Ratio of SAR at M2 to SAR at M1 = 54.6%

Maximum value of SAR (measured) = 8.34 W/kg



Date/Time: 2024-12-28 12:03:25

Test Laboratory : SGS Korea (Gunpo Laboratory)

File Name: [Verification 2600MHz_2024-12-28.da53.0](#)

Input Power : 100 mW

DUT: Dipole 2600 MHz D2600V2; Type: D2600V2; Serial: D2600V2 - SN:1124

Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2600$ MHz; $\sigma = 1.94$ S/m; $\epsilon_r = 40.121$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY52 Configuration:

- Probe: EX3DV4 - SN3986; ConvF(7.96, 7.62, 8.14) @ 2600 MHz; Calibrated: 2024-01-24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn567; Calibrated: 2024-02-16
- Phantom: ELI V5.0 1244; Type: QD OVA 002 AA; Serial: 1244
- DASY52 52.10.4(1527)SEMCAD X 14.6.14(7483)

Verification/2600MHz Verification/Area Scan (81x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 9.00 W/kg

Verification/2600MHz Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 62.47 V/m; Power Drift = -0.14 dB

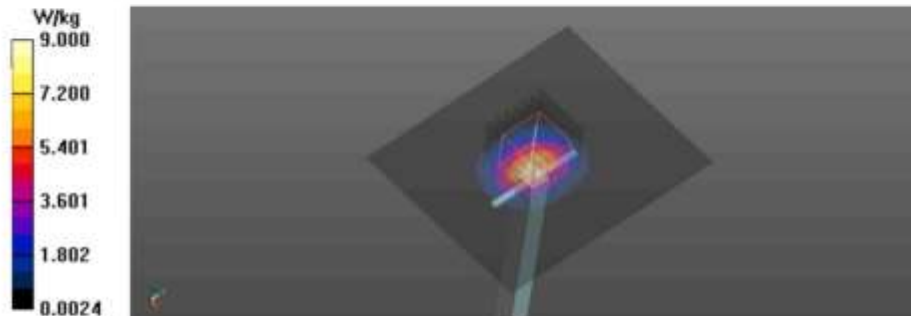
Peak SAR (extrapolated) = 9.25 W/kg

SAR(1 g) = 5.08 W/kg; SAR(10 g) = 2.51 W/kg

Smallest distance from peaks to all points 3 dB below = 9 mm

Ratio of SAR at M2 to SAR at M1 = 56.1%

Maximum value of SAR (measured) = 7.91 W/kg



Appendix A.3 Verification Plots for Verification 3500MHz

Date/Time: 2024-12-27 13:41:41

Test Laboratory : SGS Korea (Gunpo Laboratory)
File Name: [Verification 3500MHz_2024-12-27.da53:0](#)

Input Power : 100 mW

DUT: Dipole 3500 MHz D3500V2; Type: D3500V2; Serial: D3500V2 - SN:1058

Communication System: UID 0, CW (0); Frequency: 3500 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 3500$ MHz; $\sigma = 2.943$ S/m; $\epsilon_r = 37.993$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY52 Configuration:

- Probe: EX3DV4 - SN3986; ConvF(7.2, 6.9, 7.3) @ 3500 MHz; Calibrated: 2024-01-24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn567; Calibrated: 2024-02-16
- Phantom: ELI V5.0 1244; Type: QD OVA 002 AA; Serial: 1244
- DASY52 52.10.4(1527)SEMCAD X 14.6.14(7483)

Verification/3500MHz Verification/Area Scan (61x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 13.0 W/kg

Verification/3500MHz Verification/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 63.25 V/m; Power Drift = -0.20 dB

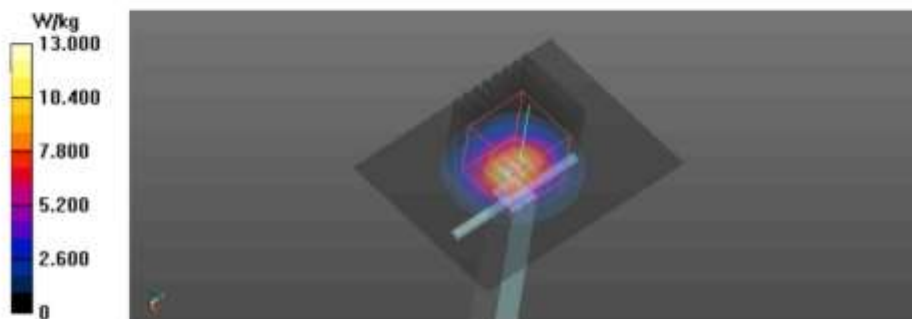
Peak SAR (extrapolated) = 13.0 W/kg

SAR(1 g) = 6.14 W/kg; SAR(10 g) = 2.6 W/kg

Smallest distance from peaks to all points 3 dB below = 8.8 mm

Ratio of SAR at M2 to SAR at M1 = 81.9%

Maximum value of SAR (measured) = 10.5 W/kg



Appendix A.4 Verification Plots for Verification 3900MHz

Date/Time: 2024-12-17 08:37:47

Test Laboratory : SGS Korea (Gunpo Laboratory)
File Name: [Verification 3900MHz_2024-12-17.da53:0](#)

Input Power : 100 mW

DUT: Dipole 3900 MHz D3900V2; Type: D3900V2; Serial: D3900V2 - SN:1036

Communication System: UID 0, CW (0); Frequency: 3900 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 3900$ MHz; $\sigma = 3.334$ S/m; $\epsilon_r = 36.097$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY52 Configuration:

- Probe: EX3DV4 - SN3986; ConvF(6.92, 6.61, 7.03) @ 3900 MHz; Calibrated: 2024-01-24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn567; Calibrated: 2024-02-16
- Phantom: ELI V5.0 1244; Type: QD OVA 002 AA; Serial: 1244
- DASY52 52.10.4(1527)SEMCAD X 14.6.14(7483)

Verification/3900MHz Verification/Area Scan (61x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 14.6 W/kg

Verification/3900MHz Verification/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 62.93 V/m; Power Drift = 0.04 dB

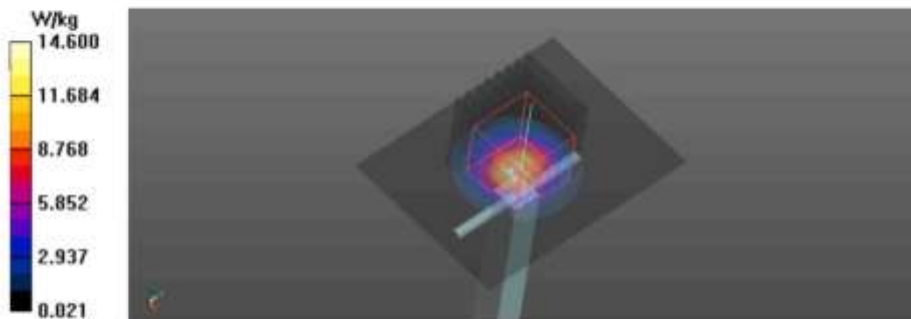
Peak SAR (extrapolated) = 16.4 W/kg

SAR(1 g) = 6.66 W/kg; SAR(10 g) = 2.54 W/kg

Smallest distance from peaks to all points 3 dB below = 8 mm

Ratio of SAR at M2 to SAR at M1 = 77.6%

Maximum value of SAR (measured) = 12.6 W/kg



Appendix B Test Plots

Appendix B.1 Test Plots for 5GNRn41

Date/Time: 2024-12-23 12:09:23

Test Laboratory : SGS Korea (Gunpo Laboratory)

File Name: [5GNRn41_Front_30KHz_100MHz_135@67_DFT_BPSK_CH518598_Left.da53:0](#)

DUT: TFGMEIBBCD1; Type: Telematics; Serial: 004400152020000

Communication System: UID 0, 5G NR TDD 100% (0); Frequency: 2592.99 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2593$ MHz; $\sigma = 1.952$ S/m; $\epsilon_r = 39.925$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY52 Configuration:

- Probe: EX3DV4 - SN3986; ConvF(7.96, 7.62, 8.14) @ 2592.99 MHz; Calibrated: 2024-01-24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn567; Calibrated: 2024-02-16
- Phantom: ELI V5.0 1244; Type: QD OVA 002 AA; Serial: 1244
- DASY52 52.10.4(1527)SEMCAD X 14.6.14(7483)

Body/5GNRn41_Front_30KHz_100MHz_135@67_DFT_BPSK_CH518598/Area Scan (281x501x1):

Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0241 W/kg

Body/5GNRn41_Front_30KHz_100MHz_135@67_DFT_BPSK_CH518598/Zoom Scan (7x8x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.388 V/m; Power Drift = 0.18 dB

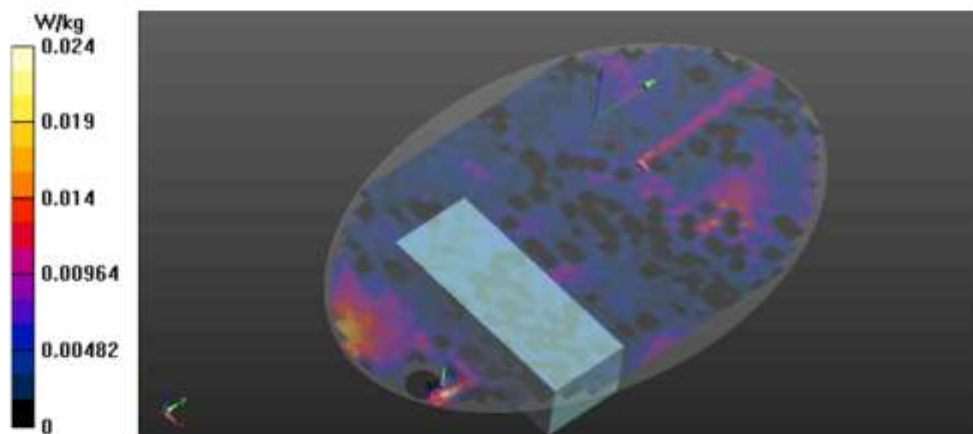
Peak SAR (extrapolated) = 0.0250 W/kg

SAR(1 g) = 0.00947 W/kg; SAR(10 g) = n.a.

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

Ratio of SAR at M2 to SAR at M1 = 54.5%

Maximum value of SAR (measured) = 0.0209 W/kg



Date/Time: 2024-12-23 10:08:44

Test Laboratory : SGS Korea (Gunpo Laboratory)

File Name: [5GNRn41_Front_30KHz_100MHz_135@67_DFT_BPSK_CH518598.da53:0](#)

DUT: TFGMEIBBCD1; Type: Telematics; Serial: 004400152020000

Communication System: UID 0, 5G NR TDD 100% (0); Frequency: 2592.99 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2593$ MHz; $\sigma = 1.952$ S/m; $\epsilon_r = 39.925$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY52 Configuration:

- Probe: EX3DV4 - SN3986; ConvF(7.96, 7.62, 8.14) @ 2592.99 MHz; Calibrated: 2024-01-24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn567; Calibrated: 2024-02-16
- Phantom: ELI V5.0 1244; Type: QD OVA 002 AA; Serial: 1244
- DASY52 52.10.4(1527)SEMCAD X 14.6.14(7483)

Body/5GNRn41_Front_30KHz_100MHz_135@67_DFT_BPSK_CH518598/Area Scan (281x501x1):

Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0154 W/kg

Body/5GNRn41_Front_30KHz_100MHz_135@67_DFT_BPSK_CH518598/Zoom Scan (8x8x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

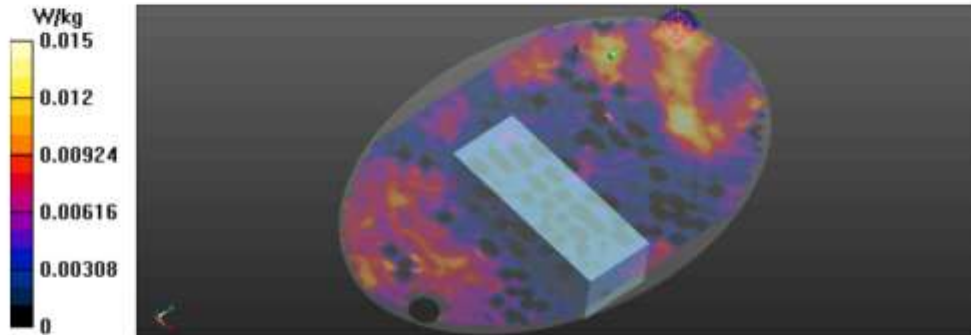
Reference Value = 2.600 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.0150 W/kg

SAR(1 g) = 0.00954 W/kg; SAR(10 g) = 0.00555 W/kg

Ratio of SAR at M2 to SAR at M1 = 58.9%

Maximum value of SAR (measured) = 0.0133 W/kg



Date/Time: 2024-12-23 14:05:43

Test Laboratory : SGS Korea (Gunpo Laboratory)

File Name: 5GNRn41_Front_30KHz_100MHz_135@67_DFT_BPSK_CH518598_Right.da53:0

DUT: TFGMEIBBCD1; Type: Telematics; Serial: 004400152020000

Communication System: UID 0, 5G NR TDD 100% (0); Frequency: 2592.99 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2593$ MHz; $\sigma = 1.952$ S/m; $\epsilon_r = 39.925$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY52 Configuration:

- Probe: EX3DV4 - SN3986; ConvF(7.96, 7.62, 8.14) @ 2592.99 MHz; Calibrated: 2024-01-24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn567; Calibrated: 2024-02-16
- Phantom: ELI V5.0 1244; Type: QD OVA 002 AA; Serial: 1244
- DASY52 52.10.4(1527)SEMCAD X 14.6.14(7483)

Body/5GNRn41_Front_30KHz_100MHz_135@67_DFT_BPSK_CH518598/Area Scan (281x501x1):

Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0168 W/kg

Body/5GNRn41_Front_30KHz_100MHz_135@67_DFT_BPSK_CH518598/Zoom Scan

(12x16x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.062 V/m; Power Drift = -0.13 dB

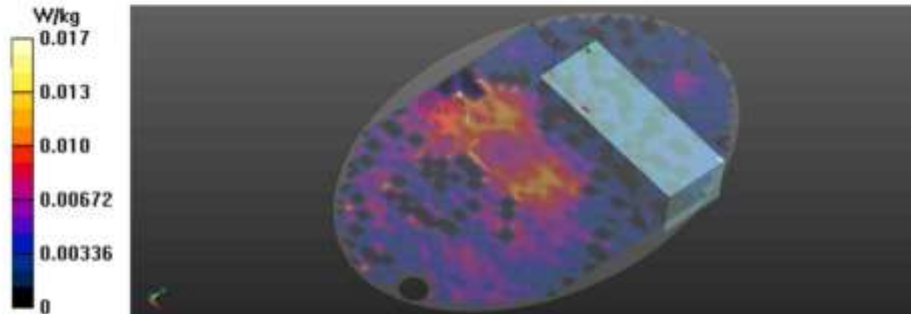
Peak SAR (extrapolated) = 0.0190 W/kg

SAR(1 g) = 0.00516 W/kg; SAR(10 g) = 0.00216 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 = 36.1%

Maximum value of SAR (measured) = 0.00931 W/kg



Appendix B.2 Test Plots for 5GNRn41 MIMO

Date/Time: 2024-12-28 12:36:14

Test Laboratory : SGS Korea (Gunpo Laboratory)

File Name: 5GNRn41 MIMO_Front_30KHz_100MHz_137@68_CP_QPSK_CH518598.da53.0

DUT: TFGMEIBBCD1; Type: Telematics; Serial: 004400152020000

Communication System: UID 0, 5G NR TDD 100% (0); Frequency: 2592.99 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2593$ MHz; $\sigma = 1.934$ S/m; $\epsilon_r = 40.155$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY52 Configuration:

- Probe: EX3DV4 - SN3986; ConvF(7.96, 7.62, 8.14) @ 2592.99 MHz; Calibrated: 2024-01-24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn567; Calibrated: 2024-02-16
- Phantom: ELI V5.0 1244; Type: QD OVA 002 AA; Serial: 1244
- DASY52 52.10.4(1527)SEMCAD X 14.6.14(7483)

Body/5GNRn41 MIMO_Front_30KHz_100MHz_137@68_CP_QPSK_CH518598 2 2/Area Scan
(281x501x1); Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0151 W/kg

Body/5GNRn41 MIMO_Front_30KHz_100MHz_137@68_CP_QPSK_CH518598 2 2/Zoom Scan
(11x10x7)/Cube 0; Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.441 V/m; Power Drift = 0.14 dB

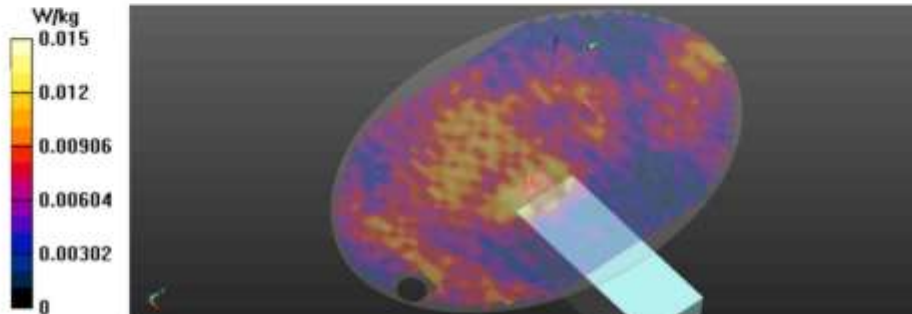
Peak SAR (extrapolated) = 0.0190 W/kg

SAR(1 g) = 0.010 W/kg; SAR(10 g) = 0.00637 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 = 49.1%

Maximum value of SAR (measured) = 0.0155 W/kg



Appendix B.3 Test Plots for 5GNRn66

Date/Time: 2024-12-30 16:07:29

Test Laboratory : SGS Korea (Gunpo Laboratory)

File Name: [5GNRn66_Front_15KHz_40MHz_108@54_DFT_BPSK_CH349000.da53:0](#)

DUT: TFGMEIBBCD1; Type: Telematics; Serial: 004400152020000

Communication System: UID 0, 5G NR FDD (0); Frequency: 1745 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1745$ MHz; $\sigma = 1.377$ S/m; $\epsilon_r = 41.254$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY52 Configuration:

- Probe: EX3DV4 - SN3986; ConvF(8.64, 8.22, 8.75) @ 1745 MHz; Calibrated: 2024-01-24

- Sensor-Surface: 1.4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn567; Calibrated: 2024-02-16

- Phantom: ELI V5.0 1244; Type: QD OVA 002 AA; Serial: 1244

- DASY52 52.10.4(1527)SEMCAD X 14.6.14(7483)

Body/5GNRn66_Front_15KHz_40MHz_108@54_DFT_BPSK_CH349000/Area Scan (221x401x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (interpolated) = 0.0227 W/kg

Body/5GNRn66_Front_15KHz_40MHz_108@54_DFT_BPSK_CH349000/Zoom Scan (7x7x7)/Cube

0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.257 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.0230 W/kg

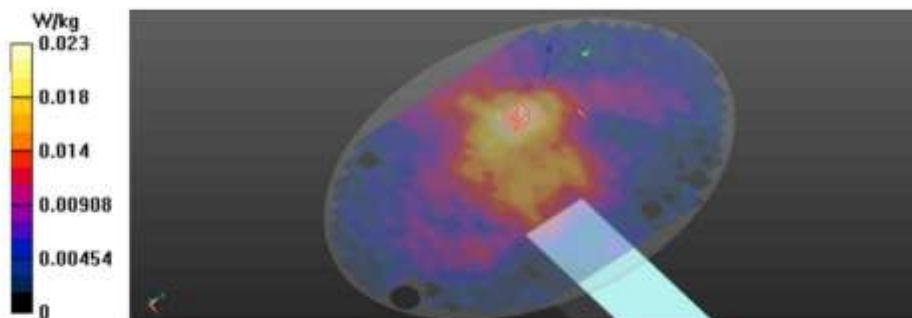
SAR(1 g) = 0.017 W/kg; SAR(10 g) = 0.012 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 69.7%

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.0211 W/kg



Appendix B.4 Test Plots for 5GNRn77

Date/Time: 2024-12-27 16:07:04

Test Laboratory : SGS Korea (Gunpo Laboratory)

File Name: [5GNRn77_Front_30KHz_100MHz_135@67_DFT_BPSK_CH633334.da53:0](#)
DUT: TFGMEIBBCD1; Type: Telematics; Serial: 004400152020000

Communication System: UID 0, 5G NR TDD 100% (0); Frequency: 3500.1 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 3500.1$ MHz; $\sigma = 2.943$ S/m; $\epsilon_r = 37.993$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY52 Configuration:

- Probe: EX3DV4 - SN3986; ConvF(7.2, 6.9, 7.3) @ 3500.1 MHz; Calibrated: 2024-01-24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn567; Calibrated: 2024-02-16
- Phantom: ELI V5.0 1244; Type: QD OVA 002 AA; Serial: 1244
- DASY52 52.10.4(1527)SEMCAD X 14.6.14(7483)

Body/5GNRn77_Front_30KHz_100MHz_135@67_DFT_BPSK_CH633334/Area Scan (301x301x1):

Interpolated grid: dx=1.000 mm, dy=1.000 mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (interpolated) = 0.0803 W/kg

Body/5GNRn77_Front_30KHz_100MHz_135@67_DFT_BPSK_CH633334/Zoom Scan (9x9x8)/Cube

0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 3.240 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.100 W/kg

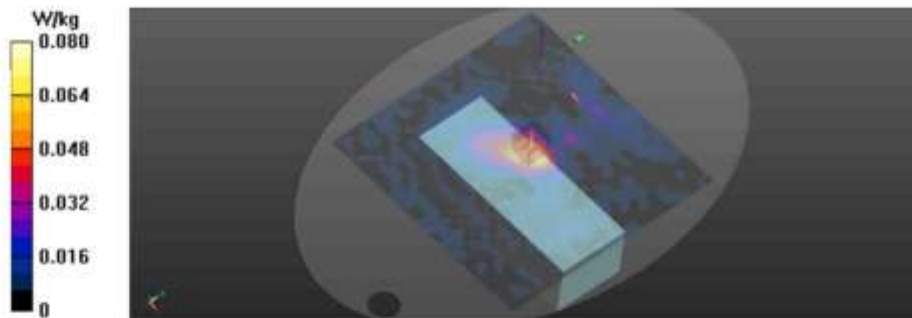
SAR(1 g) = 0.050 W/kg; SAR(10 g) = 0.027 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 79.6%

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.0782 W/kg



Appendix B.5 Test Plots for 5GNRn77 MIMO

Date/Time: 2024-12-17 14:09:34

Test Laboratory : SGS Korea (Gunpo Laboratory)

File Name: [5GNRn77 MIMO_Front_30KHz_100MHz_1@1_CP_QPSK_CH656000.da53:0](#)
DUT: TFGMEIBBCD1; Type: Telematics; Serial: 004400152020000

Communication System: UID 0, 5G NR TDD 100% (0); Frequency: 3840 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 3840$ MHz; $\sigma = 3.261$ S/m; $\epsilon_r = 36.204$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY52 Configuration:

- Probe: EX3DV4 - SN3986; ConvF(6.92, 6.61, 7.03) @ 3840 MHz; Calibrated: 2024-01-24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn567; Calibrated: 2024-02-16
- Phantom: ELI V5.0 1244; Type: QD OVA 002 AA; Serial: 1244
- DASY52 52.10.4(1527)SEMCAD X 14.6.14(7483)

Body/5GNRn77 MIMO_Front_30KHz_100MHz_1@1_CP_QPSK_CH656000/Area Scan
(301x301x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.0493 W/kg

Body/5GNRn77 MIMO_Front_30KHz_100MHz_1@1_CP_QPSK_CH656000/Zoom Scan
(9x9x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 3.919 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.0650 W/kg

SAR(1 g) = 0.026 W/kg; SAR(10 g) = 0.011 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 = 73.6%

Maximum value of SAR (measured) = 0.0465 W/kg

