

Appendix A Verification Plots

Appendix A.1 Verification Plots for Verification 750MHz

Date/Time: 2025-07-09 16:40:16

Test Laboratory : SGS Korea (Gunpo Laboratory)
File Name: [Verification 750MHz 2025 07 09.da53:0](#)

Input Power: 100 mW

DUT: Dipole 750 MHz D750V3; Type: D750V3; Serial: D750V3 - SN:1085

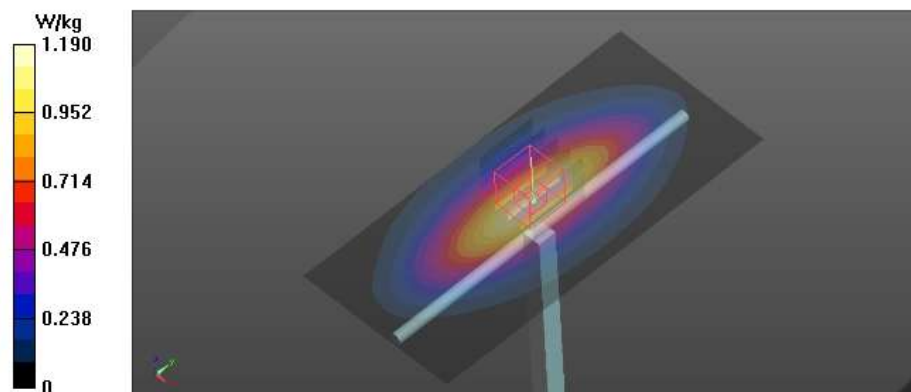
Communication System: UID 0, CW(0) (0); Frequency: 750 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 750 \text{ MHz}$; $\sigma = 0.904 \text{ S/m}$; $\epsilon_r = 41$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY52 Configuration:

- Probe: EX3DV4 - SN7412; ConvF(10.35, 9.68, 9.86) @ 750 MHz; Calibrated: 2025-03-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1595; Calibrated: 2025-01-21
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2246
- DASY52 52.10.4(1527)SEMCAD X 14.6.14(7483)

Verification/750 MHz Verification/Area Scan (61x131x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 1.19 W/kg

Verification/750 MHz Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Reference Value = 38.51 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 1.21 W/kg
SAR(1 g) = 0.834 W/kg; SAR(10 g) = 0.555 W/kg
Smallest distance from peaks to all points 3 dB below = 18.2 mm
Ratio of SAR at M2 to SAR at M1 = 68.4%
Maximum value of SAR (measured) = 1.09 W/kg



Date/Time: 2025-07-10 08:43:19

Test Laboratory : SGS Korea (Gunpo Laboratory)
File Name: [Verification 750MHz 2025 07 10.da53:0](#)

Input Power: 100 mW

DUT: Dipole 750 MHz D750V3; Type: D750V3; Serial: D750V3 - SN:1085

Communication System: UID 0, CW(0) (0); Frequency: 750 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 750 \text{ MHz}$; $\sigma = 0.904 \text{ S/m}$; $\epsilon_r = 41.811$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY52 Configuration:

- Probe: EX3DV4 - SN7412; ConvF(10.35, 9.68, 9.86) @ 750 MHz; Calibrated: 2025-03-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1595; Calibrated: 2025-01-21
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2246
- DASY52 52.10.4(1527)SEMCAD X 14.6.14(7483)

Verification/750 MHz Verification/Area Scan (61x131x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 1.10 W/kg

Verification/750 MHz Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 37.65 V/m; Power Drift = -0.13 dB

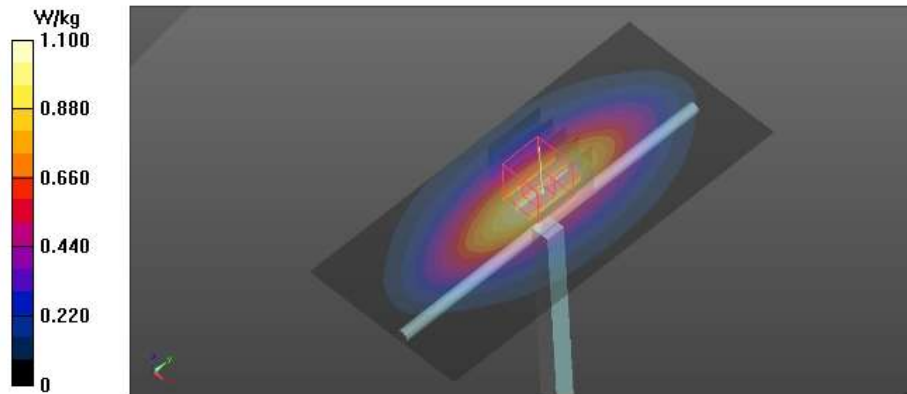
Peak SAR (extrapolated) = 1.25 W/kg

SAR(1 g) = 0.862 W/kg; SAR(10 g) = 0.574 W/kg

Smallest distance from peaks to all points 3 dB below = 21.5 mm

Ratio of SAR at M2 to SAR at M1 = 68.2%

Maximum value of SAR (measured) = 1.13 W/kg



Date/Time: 2025-07-11 09:03:10

Test Laboratory : SGS Korea (Gunpo Laboratory)
File Name: [Verification 750MHz 2025 07 11.da53:0](#)

Input Power: 100 mW

DUT: Dipole 750 MHz D750V3; Type: D750V3; Serial: D750V3 - SN:1085

Communication System: UID 0, CW(0) (0); Frequency: 750 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 750 \text{ MHz}$; $\sigma = 0.899 \text{ S/m}$; $\epsilon_r = 42.604$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY52 Configuration:

- Probe: EX3DV4 - SN7412; ConvF(10.35, 9.68, 9.86) @ 750 MHz; Calibrated: 2025-03-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1595; Calibrated: 2025-01-21
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2246
- DASY52 52.10.4(1527)SEMCAD X 14.6.14(7483)

Verification/750 MHz Verification/Area Scan (61x131x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 1.23 W/kg

Verification/750 MHz Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 38.83 V/m; Power Drift = -0.04 dB

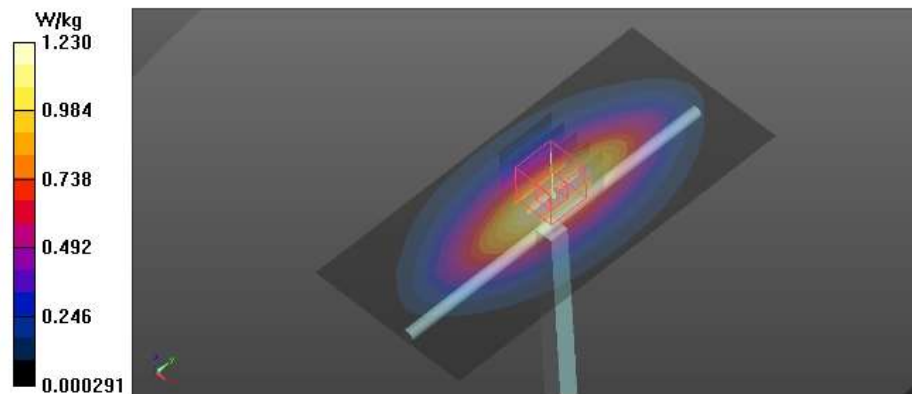
Peak SAR (extrapolated) = 1.32 W/kg

SAR(1 g) = 0.901 W/kg; SAR(10 g) = 0.600 W/kg

Smallest distance from peaks to all points 3 dB below = 23.8 mm

Ratio of SAR at M2 to SAR at M1 = 68.1%

Maximum value of SAR (measured) = 1.18 W/kg



Appendix A.2 Verification Plots for Verification 1900MHz

Date/Time: 2025-06-17 09:36:44

Test Laboratory : SGS Korea (Gunpo Laboratory)
File Name: [Verification 1900MHz 2025-06-17.da53:0](#)

Input Power: 100 mW

DUT: Dipole 1900 MHz D1900V2; Type: D1900V2; Serial: D1900V2 - SN:5d158

Communication System: UID 0, CW(0) (0); Frequency: 1900 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1900$ MHz; $\sigma = 1.398$ S/m; $\epsilon_r = 40.44$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY52 Configuration:

- Probe: EX3DV4 - SN7412; ConvF(8.28, 7.74, 7.88) @ 1900 MHz; Calibrated: 2025-03-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1595; Calibrated: 2025-01-21
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2246
- DASY52 52.10.4(1527)SEMCAD X 14.6.14(7483)

Verification/Verification 1900MHz/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 6.04 W/kg

Verification/Verification 1900MHz/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 72.25 V/m; Power Drift = -0.10 dB

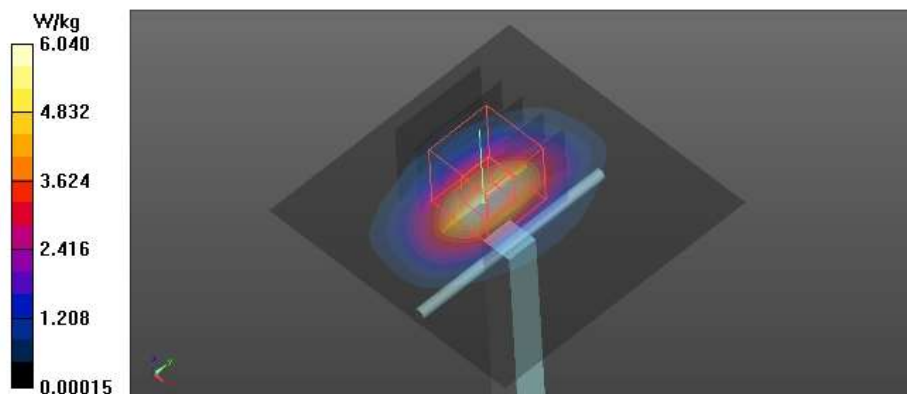
Peak SAR (extrapolated) = 7.33 W/kg

SAR(1 g) = 4.14 W/kg; SAR(10 g) = 2.18 W/kg

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

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

Maximum value of SAR (measured) = 6.30 W/kg



Date/Time: 2025-06-18 08:40:49

Test Laboratory : SGS Korea (Gunpo Laboratory)
File Name: [Verification 1900MHz 2025-06-18.da53:0](#)

Input Power: 100 mW

DUT: Dipole 1900 MHz D1900V2; Type: D1900V2; Serial: D1900V2 - SN:5d158

Communication System: UID 0, CW(0) (0); Frequency: 1900 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1900$ MHz; $\sigma = 1.426$ S/m; $\epsilon_r = 41.19$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY52 Configuration:

- Probe: EX3DV4 - SN7412; ConvF(8.28, 7.74, 7.88) @ 1900 MHz; Calibrated: 2025-03-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1595; Calibrated: 2025-01-21
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2246
- DASY52 52.10.4(1527)SEMCAD X 14.6.14(7483)

Verification/Verification 1900MHz/Area Scan (61x61x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm
Maximum value of SAR (interpolated) = 5.85 W/kg

Verification/Verification 1900MHz/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 70.73 V/m; Power Drift = -0.04 dB

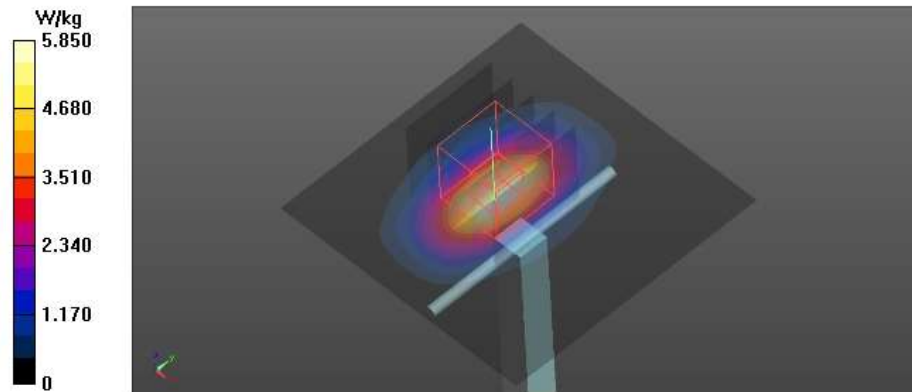
Peak SAR (extrapolated) = 7.23 W/kg

SAR(1 g) = 4.03 W/kg; SAR(10 g) = 2.1 W/kg

Smallest distance from peaks to all points 3 dB below = 9.6 mm

Ratio of SAR at M2 to SAR at M1 = 55.2%

Maximum value of SAR (measured) = 6.18 W/kg



Date/Time: 2025-07-14 09:00:44

Test Laboratory : SGS Korea (Gunpo Laboratory)

File Name: [Verification 1900MHz 2025-07-14.da53:0](#)

Input Power: 100 mW

DUT: Dipole 1900 MHz D1900V2; Type: D1900V2; Serial: D1900V2 - SN:5d158

Communication System: UID 0, CW(0) (0); Frequency: 1900 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.448$ S/m; $\epsilon_r = 38.989$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY52 Configuration:

- Probe: EX3DV4 - SN7412; ConvF(8.28, 7.74, 7.88) @ 1900 MHz; Calibrated: 2025-03-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1595; Calibrated: 2025-01-21
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2246
- DASY52 52.10.4(1527)SEMCAD X 14.6.14(7483)

Verification/Verification 1900MHz/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 6.26 W/kg

Verification/Verification 1900MHz/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 69.23 V/m; Power Drift = 0.15 dB

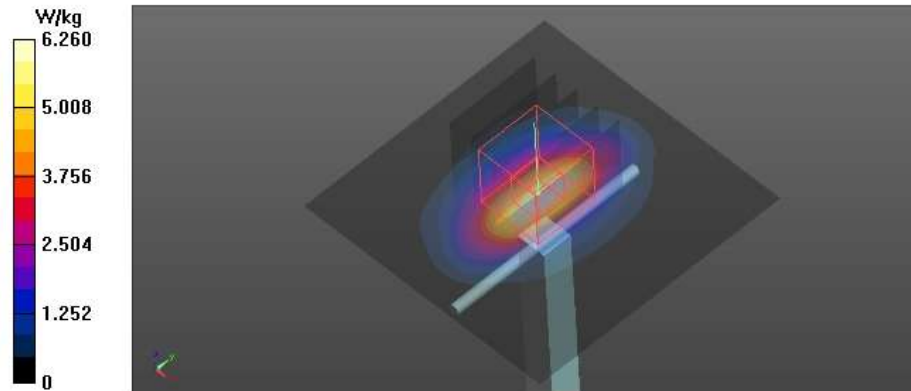
Peak SAR (extrapolated) = 7.19 W/kg

SAR(1 g) = 4.03 W/kg; SAR(10 g) = 2.11 W/kg

Smallest distance from peaks to all points 3 dB below = 9.7 mm

Ratio of SAR at M2 to SAR at M1 = 55.3%

Maximum value of SAR (measured) = 6.19 W/kg



Date/Time: 2025-07-15 08:35:07

Test Laboratory : SGS Korea (Gunpo Laboratory)
File Name: [Verification 1900MHz 2025-07-15.da53:0](#)

Input Power: 100 mW

DUT: Dipole 1900 MHz D1900V2; Type: D1900V2; Serial: D1900V2 - SN:5d158

Communication System: UID 0, CW(0) (0); Frequency: 1900 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1900$ MHz; $\sigma = 1.437$ S/m; $\epsilon_r = 39.769$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY52 Configuration:

- Probe: EX3DV4 - SN7412; ConvF(8.28, 7.74, 7.88) @ 1900 MHz; Calibrated: 2025-03-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1595; Calibrated: 2025-01-21
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2246
- DASY52 52.10.4(1527)SEMCAD X 14.6.14(7483)

Verification/Verification 1900MHz/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 6.15 W/kg

Verification/Verification 1900MHz/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 67.16 V/m; Power Drift = 0.05 dB

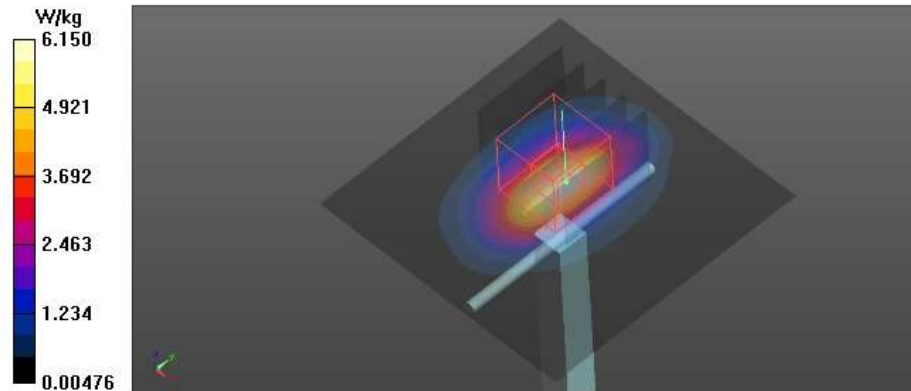
Peak SAR (extrapolated) = 7.27 W/kg

SAR(1 g) = 4.08 W/kg; SAR(10 g) = 2.13 W/kg

Smallest distance from peaks to all points 3 dB below = 9.6 mm

Ratio of SAR at M2 to SAR at M1 = 55.5%

Maximum value of SAR (measured) = 6.19 W/kg



Appendix A.3 Verification Plots for Verification 2600MHz

Date/Time: 2025-06-12 09:28:21

Test Laboratory : SGS Korea (Gunpo Laboratory)
File Name: [Verification 2600MHz 2025 06 12.da53:0](#)

Input Power: 100 mW

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

Communication System: UID 0, CW(0) (0); Frequency: 2600 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2600$ MHz; $\sigma = 2.011$ S/m; $\epsilon_r = 39.243$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY52 Configuration:

- Probe: EX3DV4 - SN7412; ConvF(7.77, 7.26, 7.39) @ 2600 MHz; Calibrated: 2025-03-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1595; Calibrated: 2025-01-21
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2246
- DASY52 52.10.4(1527)SEMCAD X 14.6.14(7483)

Verification/2600 MHz Verification/Area Scan (71x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 10.0 W/kg

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

Reference Value = 77.35 V/m; Power Drift = -0.11 dB

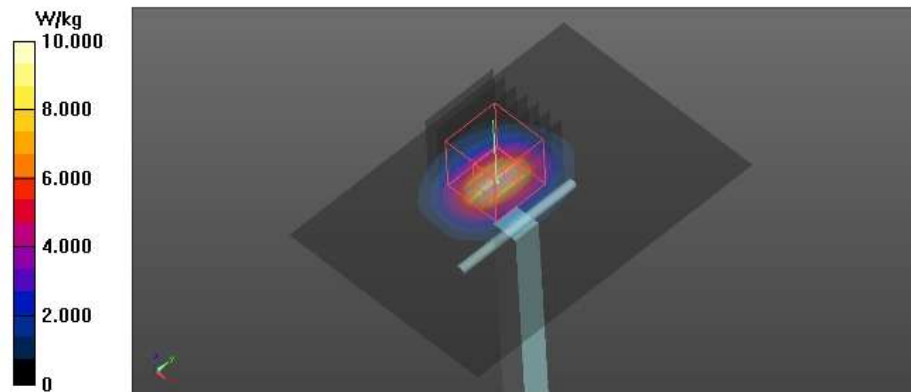
Peak SAR (extrapolated) = 12.5 W/kg

SAR(1 g) = 5.88 W/kg; SAR(10 g) = 2.59 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 47%

Maximum value of SAR (measured) = 10.1 W/kg



Date/Time: 2025-06-16 08:44:05

Test Laboratory : SGS Korea (Gunpo Laboratory)
File Name: [Verification 2600MHz 2025 06 16.da53:0](#)

Input Power: 100 mW

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

Communication System: UID 0, CW(0) (0); Frequency: 2600 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2600$ MHz; $\sigma = 2.041$ S/m; $\epsilon_r = 37.308$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY52 Configuration:

- Probe: EX3DV4 - SN7412; ConvF(7.77, 7.26, 7.39) @ 2600 MHz; Calibrated: 2025-03-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1595; Calibrated: 2025-01-21
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2246
- DASY52 52.10.4(1527)SEMCAD X 14.6.14(7483)

Verification/2600 MHz Verification/Area Scan (71x101x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm
Maximum value of SAR (interpolated) = 8.73 W/kg

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

Reference Value = 71.86 V/m; Power Drift = -0.09 dB

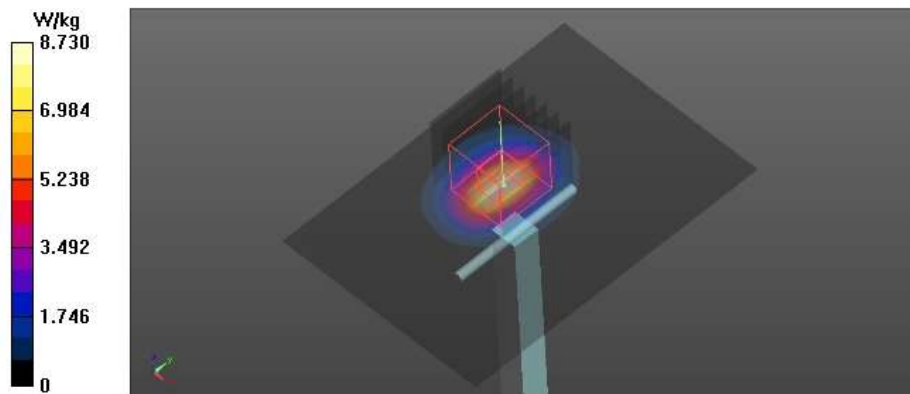
Peak SAR (extrapolated) = 11.9 W/kg

SAR(1 g) = 5.32 W/kg; SAR(10 g) = 2.3 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 45%

Maximum value of SAR (measured) = 9.41 W/kg



Appendix B Test Plots

Appendix B.1 Test Plots for LTE25

Date/Time: 2025-07-14 09:44:17

Test Laboratory : SGS Korea (Gunpo Laboratory)
File Name: [LTE25 Front 20MHz 1@0 QPSK CH26365.da53.0](#)

DUT: TFGMEIBBCD1; Type: Telematics device; Serial: EBR25076202_#037

Communication System: UID 0, LTE FDD (0); Frequency: 1882.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 1882.5$ MHz; $\sigma = 1.432$ S/m; $\epsilon_r = 39.105$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

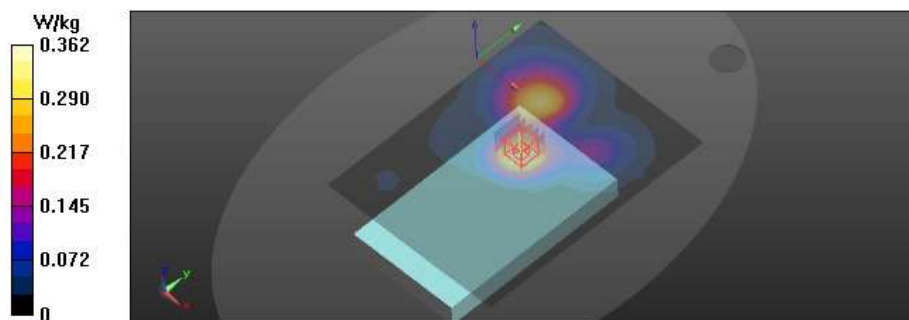
DASY52 Configuration:
- Probe: EX3DV4 - SN7412; ConvF(8.28, 7.74, 7.88) @ 1882.5 MHz; Calibrated: 2025-03-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1595; Calibrated: 2025-01-21
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2246
- DASY52 52.10.4(1527)SEMCAD X 14.6.14(7483)

Body/LTE25 Front 20MHz 1@0 QPSK CH26365/Area Scan (141x181x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Info: [Interpolated medium parameters used for SAR evaluation.](#)
Maximum value of SAR (interpolated) = 0.362 W/kg

Body/LTE25 Front 20MHz 1@0 QPSK CH26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.43 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.406 W/kg
SAR(1 g) = 0.253 W/kg; SAR(10 g) = 0.155 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 = 61.4%

Info: [Interpolated medium parameters used for SAR evaluation.](#)
Maximum value of SAR (measured) = 0.351 W/kg



Appendix B.2 Test Plots for LTE25 External

Date/Time: 2025-07-15 16:09:48

Test Laboratory : SGS Korea (Gunpo Laboratory)

File Name: [LTE25 External 20MHz 50@25 QPSK CH26365.da53-0](#)

DUT: TFGMEIBBCD1; Type: Telematic device; Serial: EBR25076202_#037

Communication System: UID 0, LTE FDD (0); Frequency: 1882.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1882.5$ MHz; $\sigma = 1.417$ S/m; $\epsilon_r = 39.831$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY52 Configuration:

- Probe: EX3DV4 - SN7412; ConvF(8.28, 7.74, 7.88) @ 1882.5 MHz; Calibrated: 2025-03-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1595; Calibrated: 2025-01-21
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2246
- DASY52 52.10.4(1527)SEMCAD X 14.6.14(7483)

Body/LTE25 External 20MHz 50@25 QPSK CH26365/Area Scan (211x261x1); Interpolated grid:
dx=1.500 mm, dy=1.500 mm

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

Maximum value of SAR (interpolated) = 0.0401 W/kg

Body/LTE25 External 20MHz 50@25 QPSK CH26365/Zoom Scan (6x6x7)/Cube 0: Measurement grid:
dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.510 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.0690 W/kg

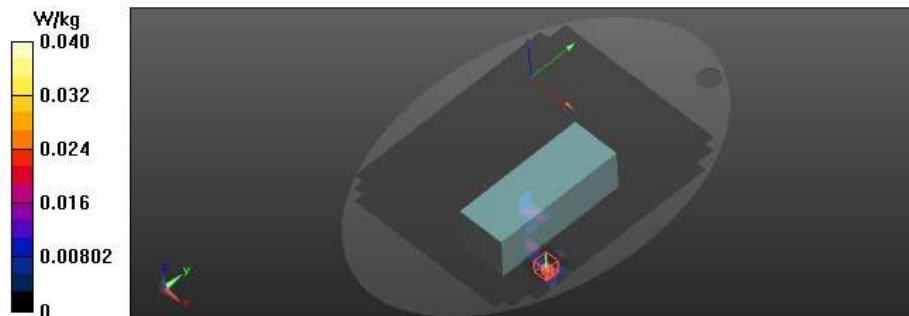
SAR(1 g) = 0.023 W/kg; SAR(10 g) = 0.00628 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 41.9%

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

Maximum value of SAR (measured) = 0.0380 W/kg



Appendix B.3 Test Plots for LTE71

Date/Time: 2025-07-10 09:22:56

Test Laboratory : SGS Korea (Gunpo Laboratory)

File Name: [LTE71 Front 20MHz 1@0 QPSK CH133297.da53:0](#)

DUT: TFGMEIBBCD1; Type: Telematics device; Serial: EBR25076202_#037

Communication System: UID 0, LTE FDD (0); Frequency: 680.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 680.5$ MHz; $\sigma = 0.881$ S/m; $\epsilon_r = 42.107$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY52 Configuration:

- Probe: EX3DV4 - SN7412; ConvF(10.35, 9.68, 9.86) @ 680.5 MHz; Calibrated: 2025-03-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1595; Calibrated: 2025-01-21
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2246
- DASY52 52.10.4(1527)SEMCAD X 14.6.14(7483)

Body/LTE71 Front 20MHz 1@0 QPSK CH133297/Area Scan (141x181x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (interpolated) = 0.156 W/kg

Body/LTE71 Front 20MHz 1@0 QPSK CH133297/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.09 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.170 W/kg

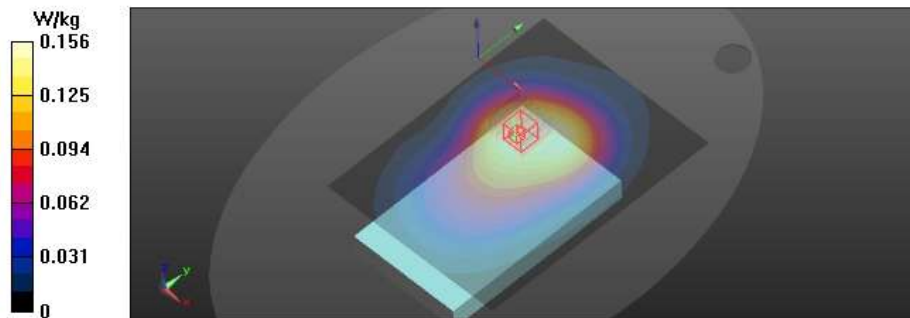
SAR(1 g) = 0.129 W/kg; SAR(10 g) = 0.098 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 75.7%

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.156 W/kg



Appendix B.4 Test Plots for LTE71 External

Date/Time: 2025-07-10 19:57:01

Test Laboratory : SGS Korea (Gunpo Laboratory)

File Name: [LTE71 External 20MHz 50@25 QPSK CH133297.da53:0](#)

DUT: TFGMEIBBCD1; Type: Telematic device; Serial: EBR25076202_#037

Communication System: UID 0, LTE FDD (0); Frequency: 680.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 680.5$ MHz; $\sigma = 0.881$ S/m; $\epsilon_r = 42.107$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY52 Configuration:

- Probe: EX3DV4 - SN7412; ConvF(10.35, 9.68, 9.86) @ 680.5 MHz; Calibrated: 2025-03-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1595; Calibrated: 2025-01-21
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2246
- DASY52 52.10.4(1527)SEMCAD X 14.6.14(7483)

Body/LTE71 External 20MHz 50@25 QPSK CH133297/Area Scan (211x261x1): Interpolated grid:
 $dx=1.500$ mm, $dy=1.500$ mm

Info: Interpolated medium parameters used for SAR evaluation.

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

Body/LTE71 External 20MHz 50@25 QPSK CH133297/Zoom Scan (6x6x7)/Cube 0: Measurement
 grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 1.206 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.0410 W/kg

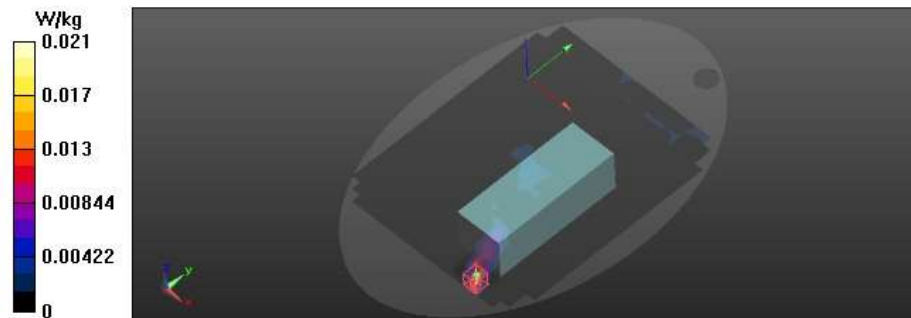
SAR(1 g) = 0.00679 W/kg; SAR(10 g) = 0.0025 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 28.1%

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.0146 W/kg



Appendix B.5 Test Plots for 5GNRn7

Date/Time: 2025-06-16 12:26:17

Test Laboratory : SGS Korea (Gunpo Laboratory)

File Name: [5GNRn7 Bottom 15KHz 40MHz 108@54 DFT BPSK CH507000.da53-0](#)

DUT: TFGMEIBBCD1; Type: Telematics device; Serial: EBR25076202_#037

Communication System: UID 0, 5G NR FDD (0); Frequency: 2535 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2535$ MHz; $\sigma = 1.968$ S/m; $\epsilon_r = 37.517$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY52 Configuration:

- Probe: EX3DV4 - SN7412; ConvF(7.77, 7.26, 7.39) @ 2535 MHz; Calibrated: 2025-03-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1595; Calibrated: 2025-01-21
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2246
- DASY52 52.10.4(1527)SEMCAD X 14.6.14(7483)

Body/5GNRn7 Bottom_15KHz_40MHz_108@54_DFT_BPSK_CH507000/Area Scan (131x161x1):

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

Maximum value of SAR (interpolated) = 0.767 W/kg

Body/5GNRn7 Bottom_15KHz_40MHz_108@54_DFT_BPSK_CH507000/Zoom Scan (7x7x7)/Cube

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

Reference Value = 20.89 V/m; Power Drift = -0.03 dB

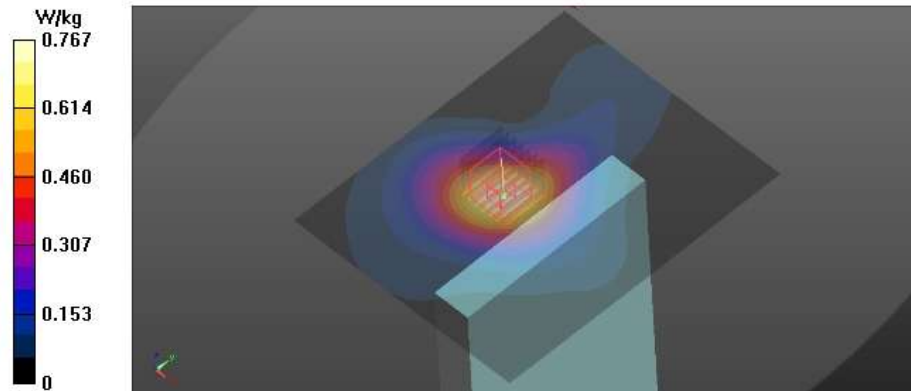
Peak SAR (extrapolated) = 0.947 W/kg

SAR(1 g) = 0.490 W/kg; SAR(10 g) = 0.271 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%

Maximum value of SAR (measured) = 0.762 W/kg



Appendix B.6 Test Plots for 5GNRn7 External

Date/Time: 2025-06-16 15:28:48

Test Laboratory : SGS Korea (Gunpo Laboratory)

File Name: [5GNRn7 External 15KHz 40MHz 108@54 DFT BPSK CH507000.da53-0](#)

DUT: TFGMEIBBCD1; Type: Telematic device; Serial: EBR25076202_#037

Communication System: UID 0, 5G NR FDD (0); Frequency: 2535 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2535$ MHz; $\sigma = 1.968$ S/m; $\epsilon_r = 37.517$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY52 Configuration:

- Probe: EX3DV4 - SN7412; ConvF(7.77, 7.26, 7.39) @ 2535 MHz; Calibrated: 2025-03-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1595; Calibrated: 2025-01-21
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2246
- DASY52 52.10.4(1527)SEMCAD X 14.6.14(7483)

Body/5GNRn7 External_15KHz_40MHz_108@54_DFT_BPSK_CH507000/Area Scan (261x331x1):

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

Maximum value of SAR (interpolated) = 0.0955 W/kg

Body/5GNRn7 External_15KHz_40MHz_108@54_DFT_BPSK_CH507000/Zoom Scan

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

Reference Value = 7.327 V/m; Power Drift = -0.06 dB

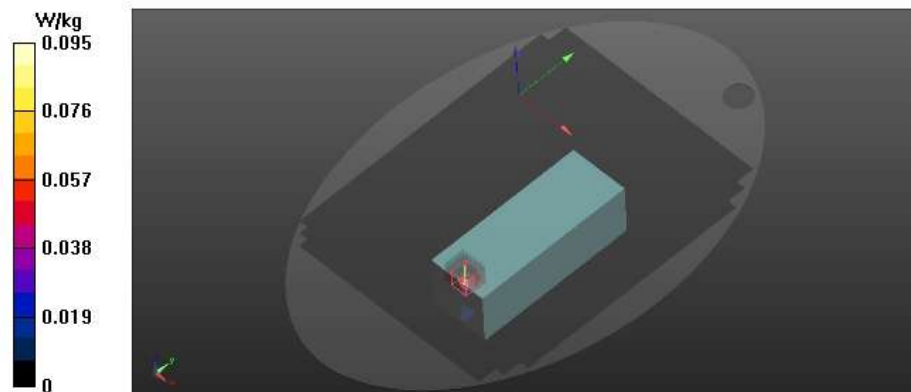
Peak SAR (extrapolated) = 0.121 W/kg

SAR(1 g) = 0.033 W/kg; SAR(10 g) = 0.00751 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 = 20.8%

Maximum value of SAR (measured) = 0.0927 W/kg



Appendix B.7 Test Plots for 5GNRn25

Date/Time: 2025-06-17 12:37:54

Test Laboratory : SGS Korea (Gunpo Laboratory)

File Name: [5GNRn25 Bottom 15KHz 40MHz 1@1 DFT BPSK CH376500.da53:0](#)

DUT: TFGMEIBBCD1; Type: Telematics device; Serial: EBR25076202_#037

Communication System: UID 0, 5G NR FDD (0); Frequency: 1882.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1882.5$ MHz; $\sigma = 1.38$ S/m; $\epsilon_r = 40.523$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY52 Configuration:

- Probe: EX3DV4 - SN7412; ConvF(8.28, 7.74, 7.88) @ 1882.5 MHz; Calibrated: 2025-03-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1595; Calibrated: 2025-01-21
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2246
- DASY52 52.10.4(1527)SEMCAD X 14.6.14(7483)

Body/5GNRn25 Bottom_15KHz_40MHz_1@1_DFT_BPSK_CH376500/Area Scan (101x131x1):

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

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (interpolated) = 0.431 W/kg

Body/5GNRn25 Bottom_15KHz_40MHz_1@1_DFT_BPSK_CH376500/Zoom Scan (5x5x7)/Cube 0:

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

Reference Value = 18.49 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.506 W/kg

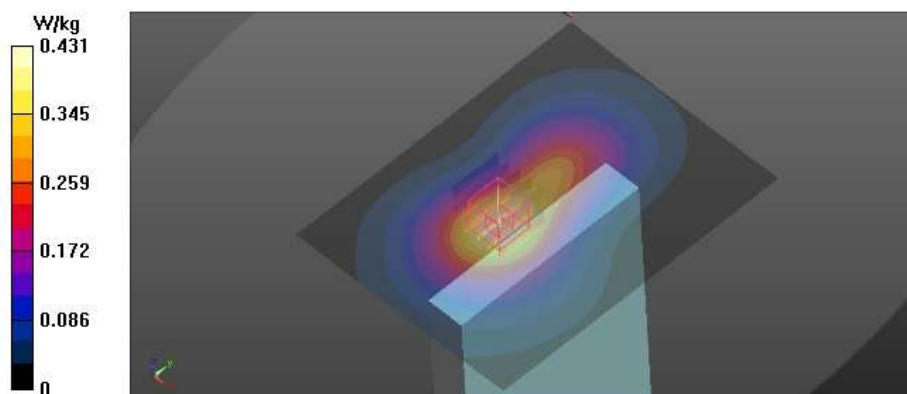
SAR(1 g) = 0.316 W/kg; SAR(10 g) = 0.198 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 61.5%

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.438 W/kg



Appendix B.8 Test Plots for 5GNRn25 External

Date/Time: 2025-06-18 10:34:46

Test Laboratory : SGS Korea (Gunpo Laboratory)

File Name: [5GNRn25 External 15KHz 40MHz 108@54 DFT BPSK CH376500.da53:0](#)

DUT: TFGMEIBBCD1; Type: Telematic device; Serial: EBR25076202_#037

Communication System: UID 0, 5G NR FDD (0); Frequency: 1882.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1882.5$ MHz; $\sigma = 1.41$ S/m; $\epsilon_r = 41.307$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY52 Configuration:

- Probe: EX3DV4 - SN7412; ConvF(8.28, 7.74, 7.88) @ 1882.5 MHz; Calibrated: 2025-03-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1595; Calibrated: 2025-01-21
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2246
- DASY52 52.10.4(1527)SEMCAD X 14.6.14(7483)

Body/5GNRn25 External_15KHz_40MHz_108@54_DFT_BPSK_CH376500/Area Scan (211x261x1):

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

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (interpolated) = 0.0146 W/kg

Body/5GNRn25 External_15KHz_40MHz_108@54_DFT_BPSK_CH376500/Zoom Scan

(5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.574 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.0250 W/kg

SAR(1 g) = 0.00375 W/kg; SAR(10 g) = 0.00084 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 = 19.8%

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.0141 W/kg

