Appendix H Volume scan plot

H.1 Plot No. Rear LTE Band2

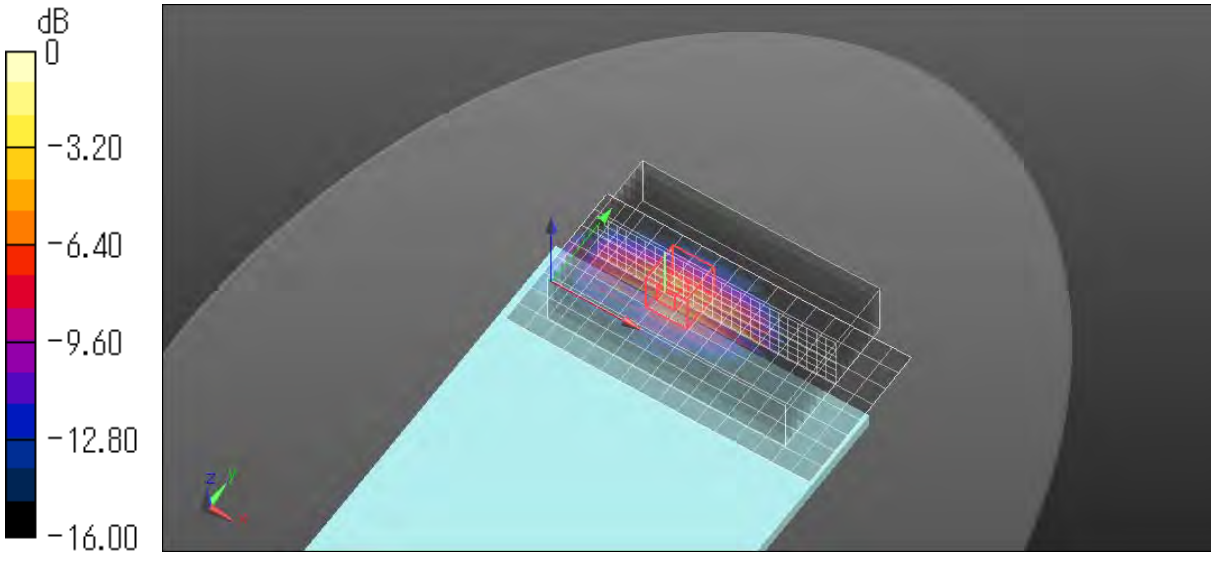
Test Laboratory: UL Japan,Inc. Ise EMC Lab. SAR#2
Date/Time: 2023/07/11 9:15:02
Room Temp_24.0 deg.C._Liquid Temp_23.5 deg.C

Frequency: 1860 MHz; Communication System Channel Number: 18700; Duty Cycle: 1:1
Medium parameters used: f = 1860 MHz; σ = 1.396 S/m; ε_r = 38.406; ρ = 1000 kg/m^3

DASY5 Configuration:
- Electronics: DAE4 Sn1372; Calibrated: 2023/03/16
- Probe: EX3DV4 - SN7652; ConvF(8.35, 8.13, 8.46) @ 1860 MHz; Calibrated: 2023/04/24
- Sensor-Surface: 1.4 mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 TP1207 (30 deg probe tilt); Phantom section: Flat Section ; Type: QDOVA001BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

LTE B2 1860 MHz QPSK N/A Rear 0 mm 20 MHz RBn50 RBp0/Area Scan (17x9x1): Measurement grid: dx=10 mm, dy=10 mm
Maximum value of SAR (measured) = 1.04 W/kg

LTE B2 1860 MHz QPSK N/A Rear 0 mm 20 MHz RBn50 RBp0/Volume Scan (26x16x7)/Cube 0:
Measurement grid: dx=5 mm, dy=5 mm, dz=5 mm
Reference Value = 29.25 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 1.38 W/kg
SAR(1 g) = 0.546 W/kg; SAR(10 g) = 0.239 W/kg
Maximum value of SAR (measured) = 1.04 W/kg



0 dB = 1.04 W/kg = 0.17 dBW/kg

H.2 Plot No. Rear LTE Band66

Test Laboratory: UL Japan,Inc. Ise EMC Lab. SAR#2
Date/Time: 2023/07/11 19:25:18
Room Temp_24.0 deg.C._Liquid Temp_23.5 deg.C

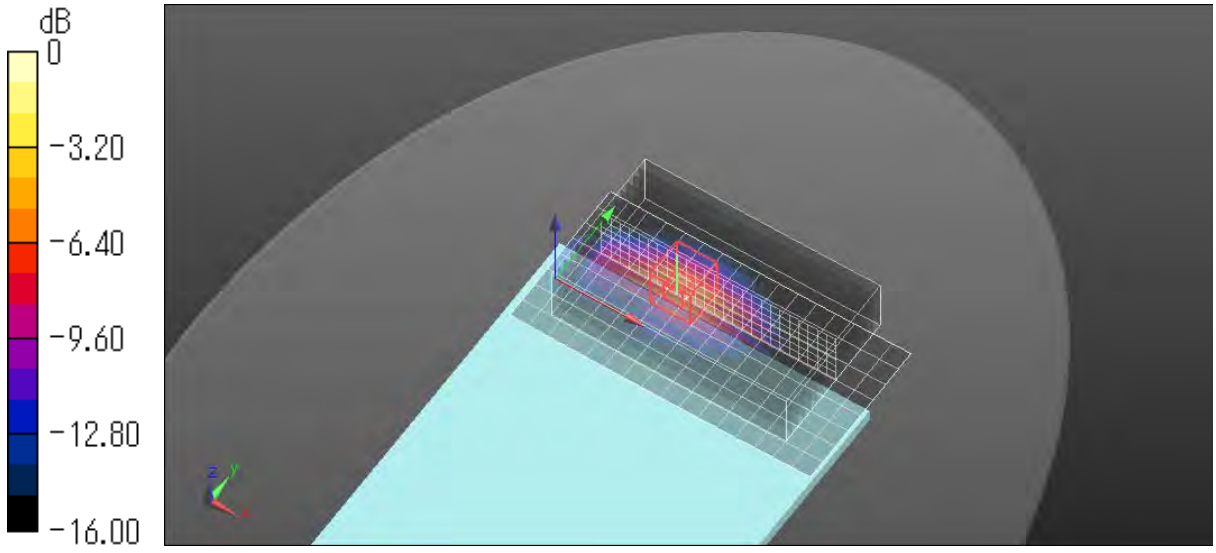
Frequency: 1745 MHz; Communication System Channel Number: 132322; Duty Cycle: 1:1
Medium parameters used: f = 1745 MHz; σ = 1.328 S/m; ε_r = 38.608; ρ = 1000 kg/m^3

DASY5 Configuration:
- Electronics: DAE4 Sn1372; Calibrated: 2023/03/16
- Probe: EX3DV4 - SN7652; ConvF(8.8, 8.64, 8.92) @ 1745 MHz; Calibrated: 2023/04/24
- Sensor-Surface: 1.4 mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 TP1207 (30 deg probe tilt); Phantom section: Flat Section ; Type: QDOVA001BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

LTE B66 1745 MHz QPSK N/A Rear 0 mm 20 MHz RBn50 RBp50 /Area Scan (17x9x1): Measurement grid: dx=10 mm, dy=10 mm
Maximum value of SAR (measured) = 1.24 W/kg

LTE B66 1745 MHz QPSK N/A Rear 0 mm 20 MHz RBn50 RBp50 / Volume Scan (26x16x7)/Cube 0:
Measurement grid: dx=5 mm, dy=5 mm, dz=5 mm
Reference Value = 31.11 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 1.58 W/kg
SAR(1 g) = 0.633 W/kg; SAR(10 g) = 0.280 W/kg

Maximum value of SAR (measured) = 1.22 W/kg



0 dB = 1.22 W/kg = 0.86 dBW/kg

H.3 Plot No. Rear LTE Band12

Test Laboratory: UL Japan,Inc. Ise EMC Lab. SAR#1
Date/Time: 2023/07/10 13:00:10

Frequency: 707.5 MHz; Communication System Channel Number: 23095; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 707.5 MHz; σ = 0.868 S/m; ε_r = 42.136; ρ = 1000 kg/m^3

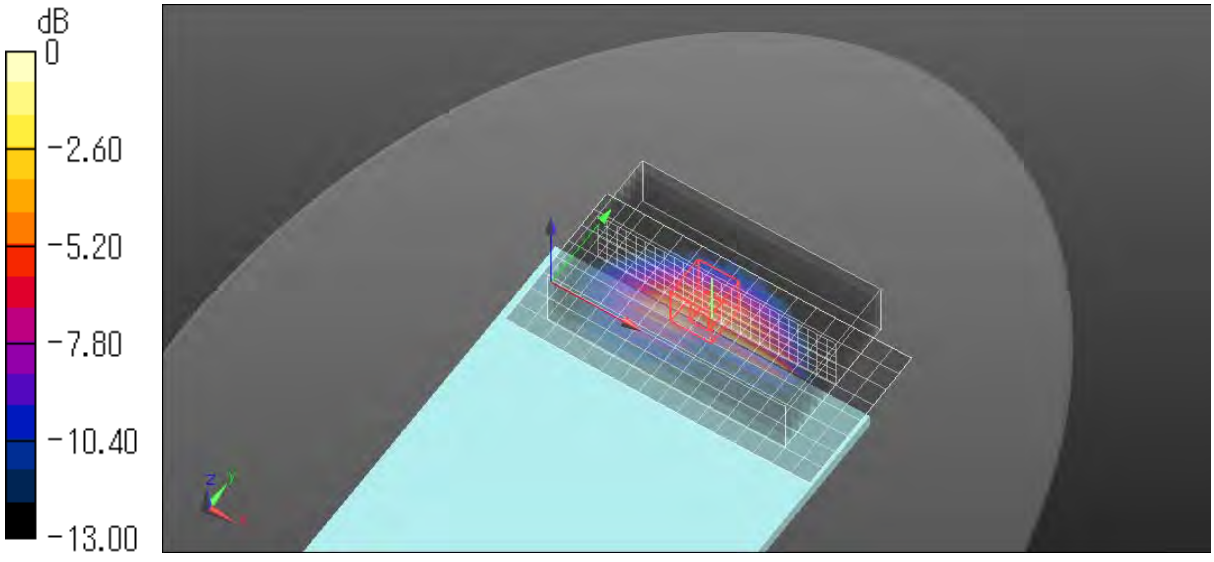
DASY5 Configuration:
- Electronics: DAE4 Sn1369; Calibrated: 2023/05/23
- Probe: EX3DV4 - SN3917; ConvF(10.09, 10.09, 10.09) @ 707.5 MHz; Calibrated: 2023/05/23
- Sensor-Surface: 1.4 mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (20 deg probe tilt); Phantom section: Flat Section ; Type: QDOVA001BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

LTE B12 707.5 MHz QPSK N/A Rear 0 mm 10 MHz RBn1 RBp0 /Area Scan (17x9x1): Measurement grid: dx=10 mm, dy=10 mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.795 W/kg

LTE B12 707.5 MHz QPSK N/A Rear 0 mm 10 MHz RBn1 RBp0 / Volume Scan (26x16x7)/Cube 0:
Measurement grid: dx=5 mm, dy=5 mm, dz=5 mm
Reference Value = 31.62 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 1.11 W/kg
SAR(1 g) = 0.455 W/kg; SAR(10 g) = 0.223 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.804 W/kg



0 dB = 0.804 W/kg = -0.95 dBW/kg

H.4 Plot No. Rear LTE Band13

Test Laboratory: UL Japan,Inc. Ise EMC Lab. SAR#1
Date/Time: 2023/07/08 12:59:28
Room Temp_24.0 deg.C._Liquid Temp_23.5 deg.C

Frequency: 782 MHz; Communication System Channel Number: 23230; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 782 MHz; σ = 0.886 S/m; ε_r = 41.958; ρ = 1000 kg/m^3

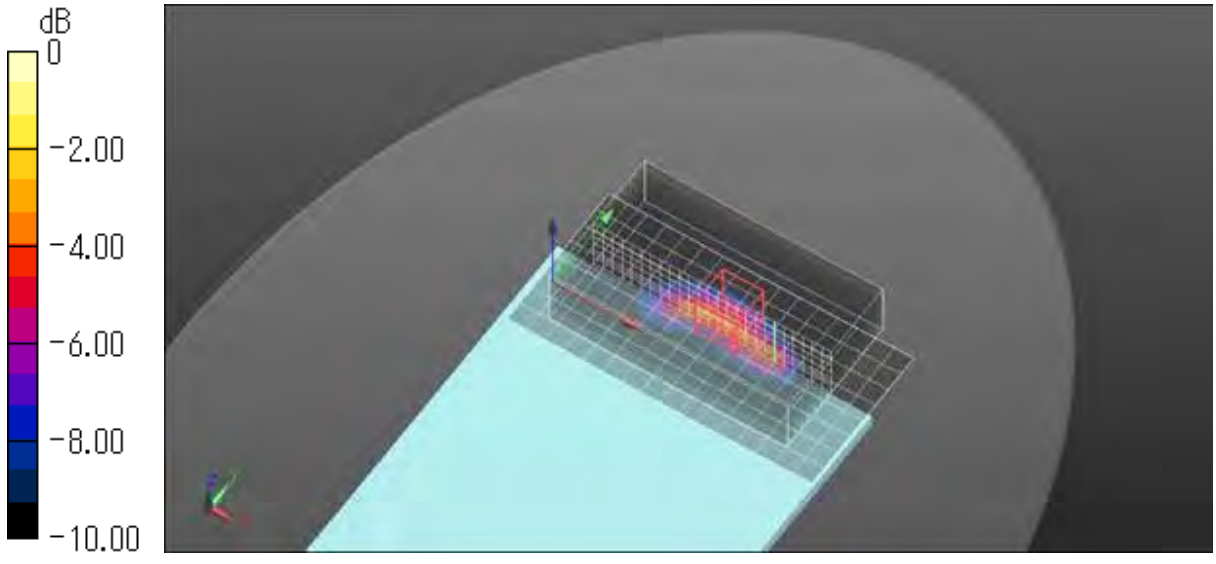
DASY5 Configuration:
- Electronics: DAE4 Sn1369; Calibrated: 2023/05/23
- Probe: EX3DV4 - SN3917; ConvF(10.09, 10.09, 10.09) @ 782 MHz; Calibrated: 2023/05/23
- Sensor-Surface: 1.4 mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (20 deg probe tilt); Phantom section: Flat Section ; Type: QDOVA001BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

LTE B13 782.0 MHz QPSK N/A Rear 0 mm 10 MHz RBn25 RBp0/Area Scan (17x9x1): Measurement grid: dx=10 mm, dy=10 mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.03 W/kg

LTE B13 782.0 MHz QPSK N/A Rear 0 mm 10 MHz RBn25 RBp0/ Volume Scan (26x16x7)/Cube 0:
Measurement grid: dx=5 mm, dy=5 mm, dz=5 mm
Reference Value = 34.93 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 2.56 W/kg
SAR(1 g) = 0.620 W/kg; SAR(10 g) = 0.297 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.55 W/kg



0 dB = 1.55 W/kg = 1.90 dBW/kg

H.5 Plot No. Rear NR Band n5

Test Laboratory: UL Japan,Inc. Ise EMC Lab. SAR#1
Date/Time: 2023/07/08 17:08:25
Room Temp_24.0 deg.C._Liquid Temp_23.5 deg.C

Frequency: 836.5 MHz; Communication System Channel Number: 167300; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.905 S/m; ε_r = 41.814; ρ = 1000 kg/m^3

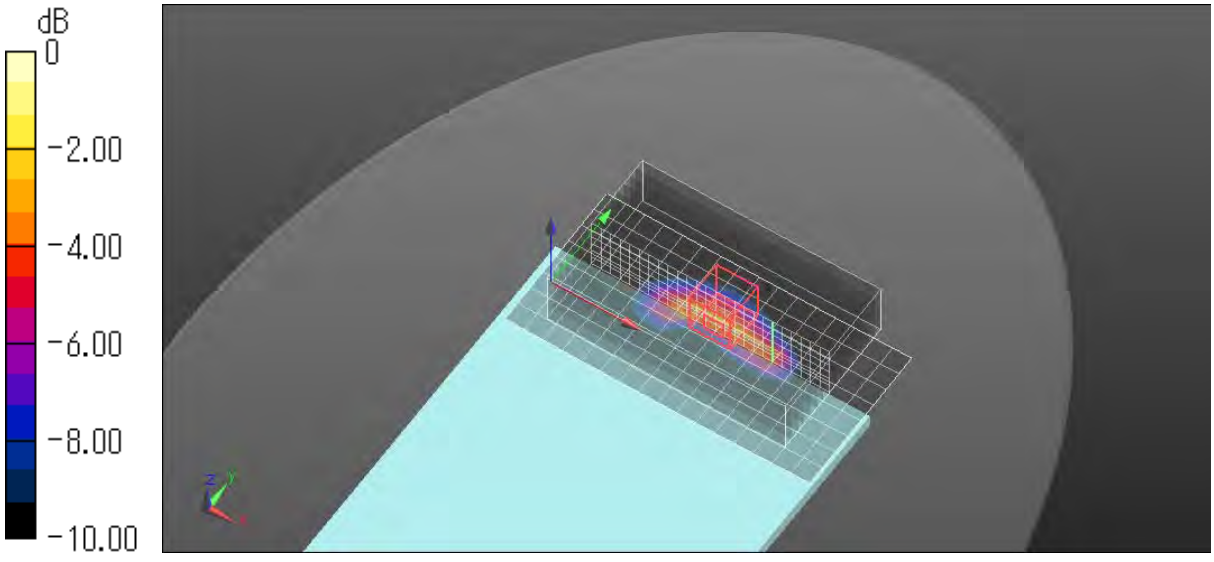
DASY5 Configuration:
- Electronics: DAE4 Sn1369; Calibrated: 2023/05/23
- Probe: EX3DV4 - SN3917; ConvF(10.04, 10.04, 10.04) @ 836.5 MHz; Calibrated: 2023/05/23
- Sensor-Surface: 1.4 mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (20 deg probe tilt); Phantom section: Flat Section ; Type: QDOVA001BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

NR n5 836.5 MHz QPSK N/A Rear 0 mm 20 MHz RBn50 RBp0/Area Scan (17x9x1): Measurement grid: dx=10 mm, dy=10 mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.686 W/kg

NR n5 836.5 MHz QPSK N/A Rear 0 mm 20 MHz RBn50 RBp0/ Volume Scan (26x16x7)/Cube 0:
Measurement grid: dx=5 mm, dy=5 mm, dz=5 mm
Reference Value = 27.54 V/m; Power Drift = 0.19 dB
Peak SAR (extrapolated) = 1.51 W/kg
SAR(1 g) = 0.385 W/kg; SAR(10 g) = 0.185 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.876 W/kg



0 dB = 0.876 W/kg = -0.57 dBW/kg

H.6 Plot No. Rear NR Band n66

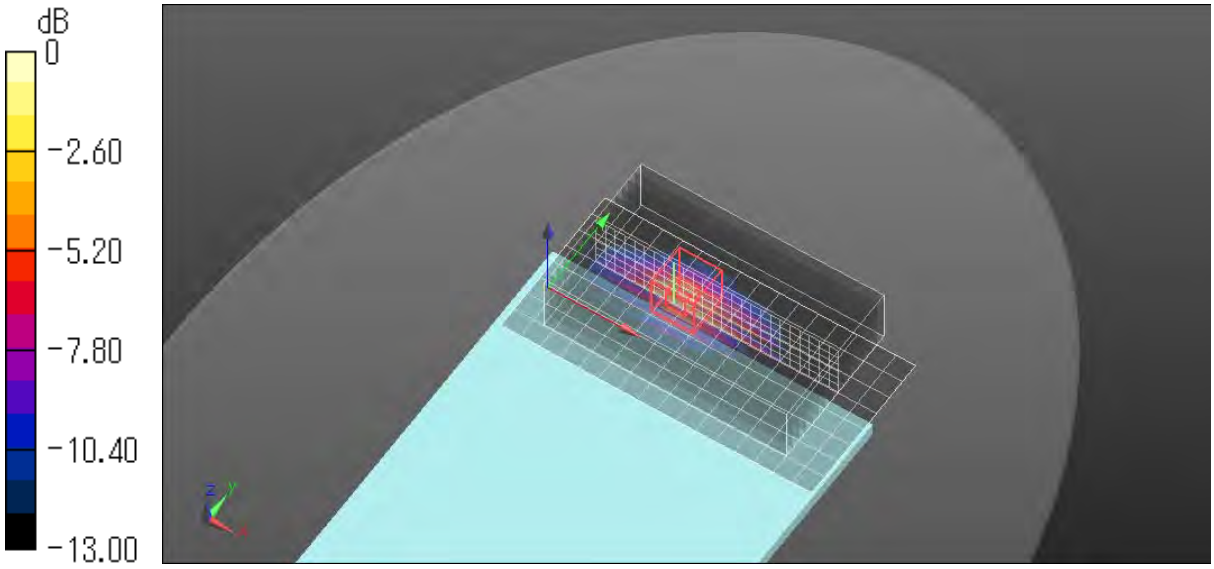
Test Laboratory: UL Japan,Inc. Ise EMC Lab. SAR#2
Date/Time: 2023/07/08 17:29:53

Frequency: 1745 MHz; Communication System Channel Number: 349000; Duty Cycle: 1:1
Medium parameters used: f = 1745 MHz; σ = 1.328 S/m; ε_r = 38.608; ρ = 1000 kg/m^3

DASY5 Configuration:
- Electronics: DAE4 Sn1372; Calibrated: 2023/03/16
- Probe: EX3DV4 - SN7652; ConvF(8.8, 8.64, 8.92) @ 1745 MHz; Calibrated: 2023/04/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 TP1207 (30deg probe tilt); Phantom section: Flat Section ; Type: QDOVA001BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

NR n66 1745 MHz QPSK N/A Rear 0 mm 20 MHz RBn50 RBp56/Area Scan (17x9x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.12 W/kg

NR n66 1745 MHz QPSK N/A Rear 0 mm 20 MHz RBn50 RBp56/ Volume Scan (26x16x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 33.31 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 1.82 W/kg
SAR(1 g) = 0.621 W/kg; SAR(10 g) = 0.211 W/kg
Maximum value of SAR (measured) = 1.26 W/kg



0 dB = 1.26 W/kg = 1.00 dBW/kg

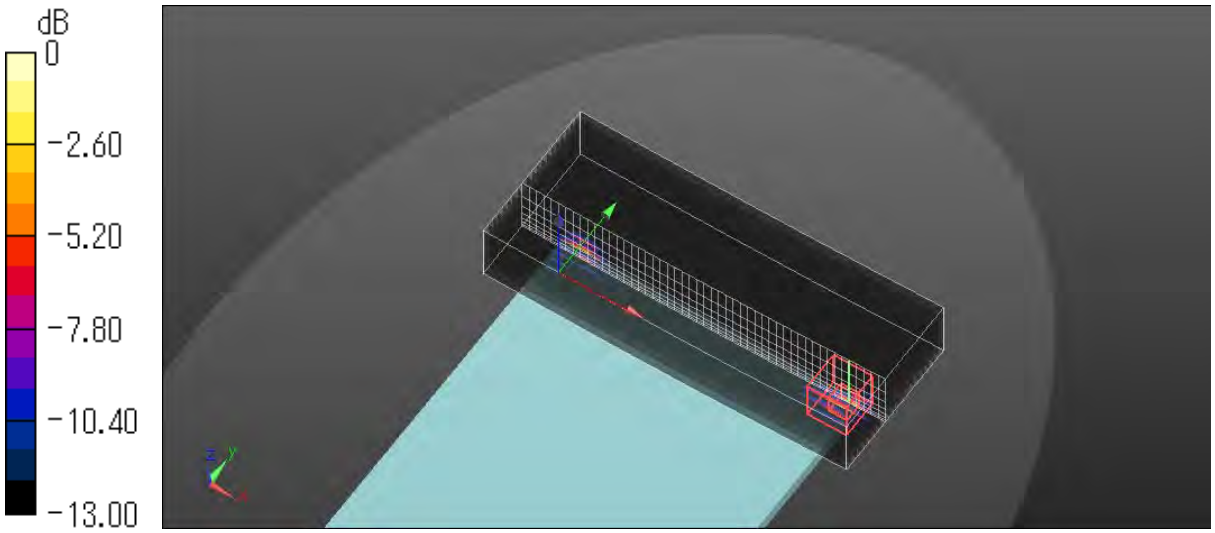
H.7 Plot No. Rear WLAN 5.5 G

Test Laboratory: UL Japan,Inc. Ise EMC Lab. SAR#1
Date/Time: 2023/07/14 12:57:52

Frequency: 5700 MHz; Communication System Channel Number: 140; Duty Cycle: 1:1
Room Ambient Temperature: xx°C; Liquid Temperature: xx°C
Medium parameters used: f = 5700 MHz; σ = 5.037 S/m; ε_r = 36.454; ρ = 1000 kg/m^3

DASY5 Configuration:
- Electronics: DAE4 Sn1369; Calibrated: 2023/05/23
- Probe: EX3DV4 - SN3922; ConvF(4.68, 4.68, 4.68) @ 5700 MHz; Calibrated: 2022/08/19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (20deg probe tilt); Phantom section: Flat Section ; Type: QDOVA001BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

WLAN 5.6G ch 140 5700 MHz MIMO 11a 6M Rear 0mm sn36/ Volume Scan (51x21x8)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 20.19 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 3.29 W/kg
SAR(1 g) = 0.461 W/kg; SAR(10 g) = 0.101 W/kg
Maximum value of SAR (measured) = 1.55 W/kg



0 dB = 1.55 W/kg = 1.90 dBW/kg

H.8 Plot No. Rear WLAN 5.8 G

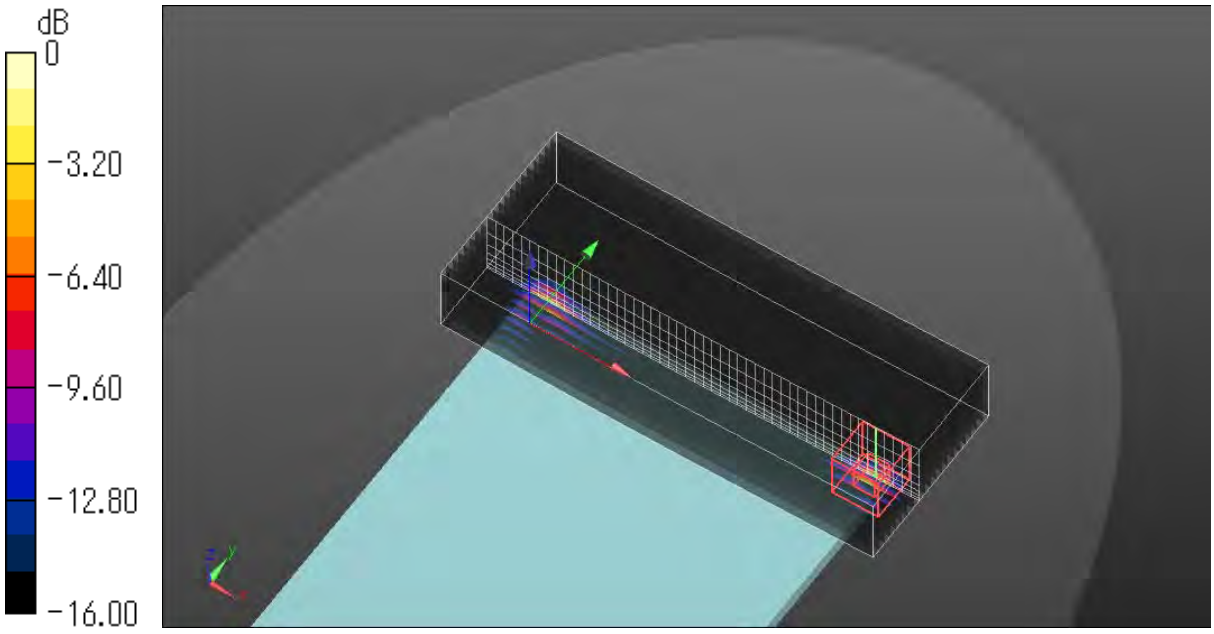
Test Laboratory: UL Japan,Inc. Ise EMC Lab. SAR#1
Date/Time: 2023/07/13 14:54:06

Frequency: 5785 MHz; Communication System Channel Number: 157; Duty Cycle: 1:1
Medium parameters used: f = 5785 MHz; σ = 5.126 S/m; ε_r = 36.345; ρ = 1000 kg/m^3

DASY5 Configuration:
- Electronics: DAE4 Sn1369; Calibrated: 2023/05/23
- Probe: EX3DV4 - SN3922; ConvF(4.85, 4.85, 4.85) @ 5785 MHz; Calibrated: 2022/08/19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (20deg probe tilt); Phantom section: Flat Section ; Type: QDOVA001BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

WLAN 5.8G ch 157 5785MHz MIMO 11a 6M Rear 0mm sn36/ Volume Scan (51x21x8)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 22.39 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 3.28 W/kg
SAR(1 g) = 0.432 W/kg; SAR(10 g) = 0.072 W/kg

Maximum value of SAR (measured) = 1.95 W/kg



0 dB = 1.95 W/kg = 2.90 dBW/kg

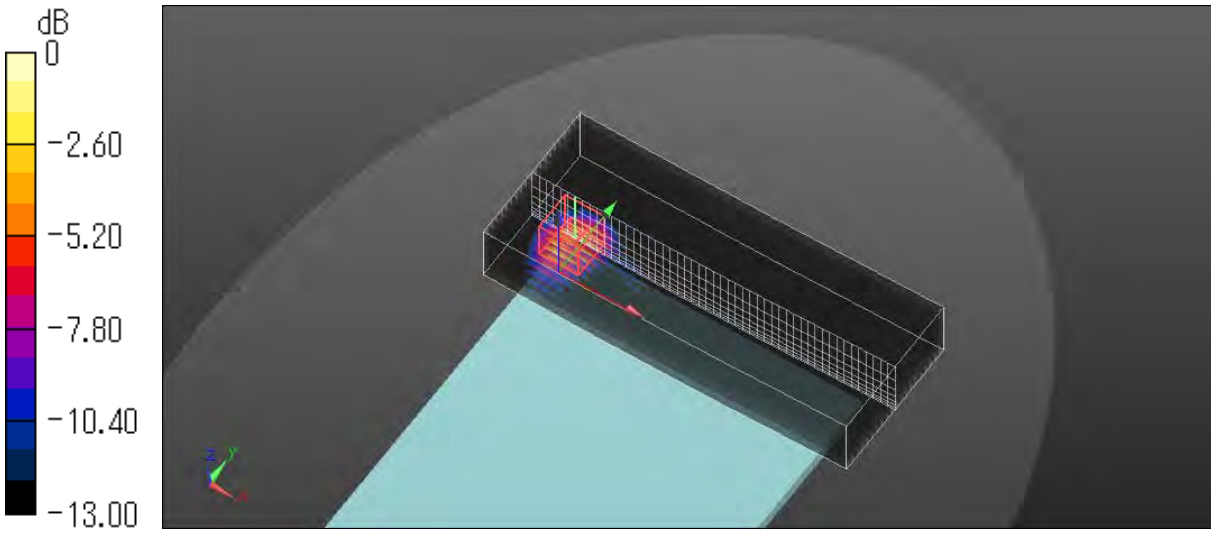
H.9 Plot No. Rear BT

Test Laboratory: UL Japan,Inc. Ise EMC Lab. SAR#3
Date/Time: 2023/07/19 7:52:47

Frequency: 2402 MHz; Communication System Channel Number: 0; Duty Cycle: 1:1
Room Ambient Temperature: xx°C; Liquid Temperature: xx°C
Medium parameters used (interpolated): f = 2402 MHz; σ = 1.739 S/m; ε_r = 39.569; ρ = 1000 kg/m^3

DASY5 Configuration:
- Electronics: DAE4 Sn554; Calibrated: 2023/04/14
- Probe: EX3DV4 - SN3745; ConvF(6.89, 6.89, 6.89) @ 2402 MHz; Calibrated: 2023/04/18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v4.0 (20deg probe tilt); Phantom section: Flat Section ; Type: QDOVA001BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

BT 2402MHz Rear/Volume Scan (51x21x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 17.75 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.785 W/kg
SAR(1 g) = 0.241 W/kg; SAR(10 g) = 0.100 W/kg
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.515 W/kg



0 dB = 0.515 W/kg = -2.88 dBW/kg

H.10 Plot No. Rear LTE Band2 + NR band n5

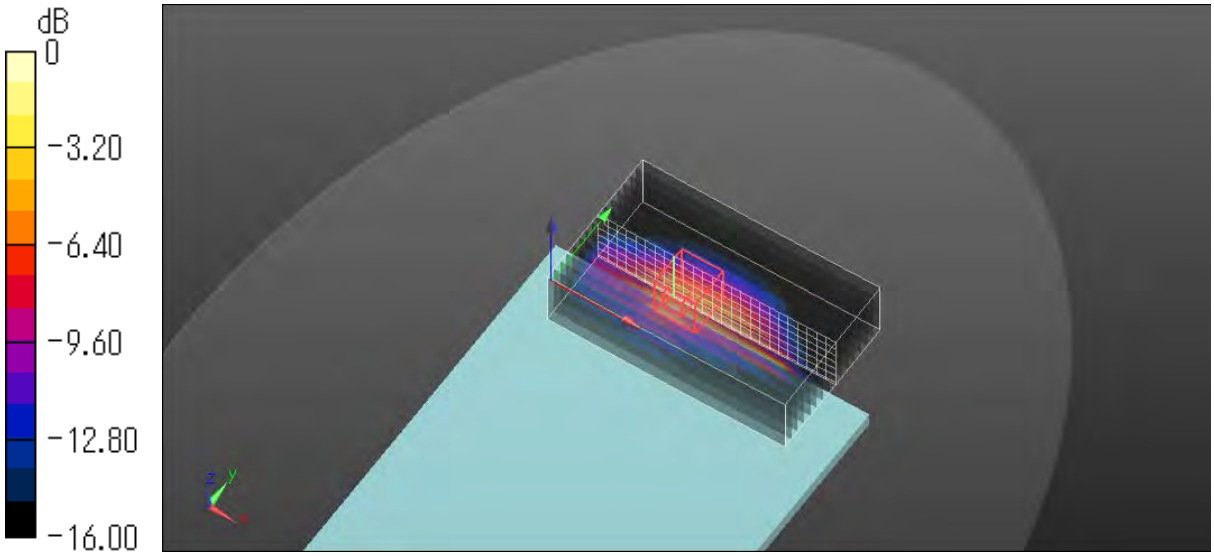
Frequency: 1860 MHz; Communication System Channel Number: 18700; Duty Cycle: 1:1
Medium parameters used: f = 1860 MHz; σ = 1.396 S/m; ε_r = 38.406; ρ = 1000 kg/m^3

DASY5 Configuration:
- Electronics: DAE4 Sn1372; Calibrated: 2023/03/16
- Probe: EX3DV4 - SN7652; ConvF(8.35, 8.13, 8.46) @ 1860 MHz; Calibrated: 2023/04/24
- Sensor-Surface: 1.4 mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 TP1207 (30 deg probe tilt); Phantom section: Flat Section ; Type: QDOVA001BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Frequency: 836.5 MHz; Communication System Channel Number: 167300; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.905 S/m; ε_r = 41.814; ρ = 1000 kg/m^3

DASY5 Configuration:
- Electronics: DAE4 Sn1369; Calibrated: 2023/05/23
- Probe: EX3DV4 - SN3917; ConvF(10.04, 10.04, 10.04) @ 836.5 MHz; Calibrated: 2023/05/23
- Sensor-Surface: 1.4 mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (20 deg probe tilt); Phantom section: Flat Section ; Type: QDOVA001BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Multi Band Result:
SAR(1 g) = 0.956 W/kg; SAR(10 g) = 0.463 W/kg
Maximum value of SAR (interpolated) = 2.09 W/kg



0 dB = 2.09 W/kg = 3.20 dBW/kg

H.11 Plot No. Rear LTE Band66 + NR band n5

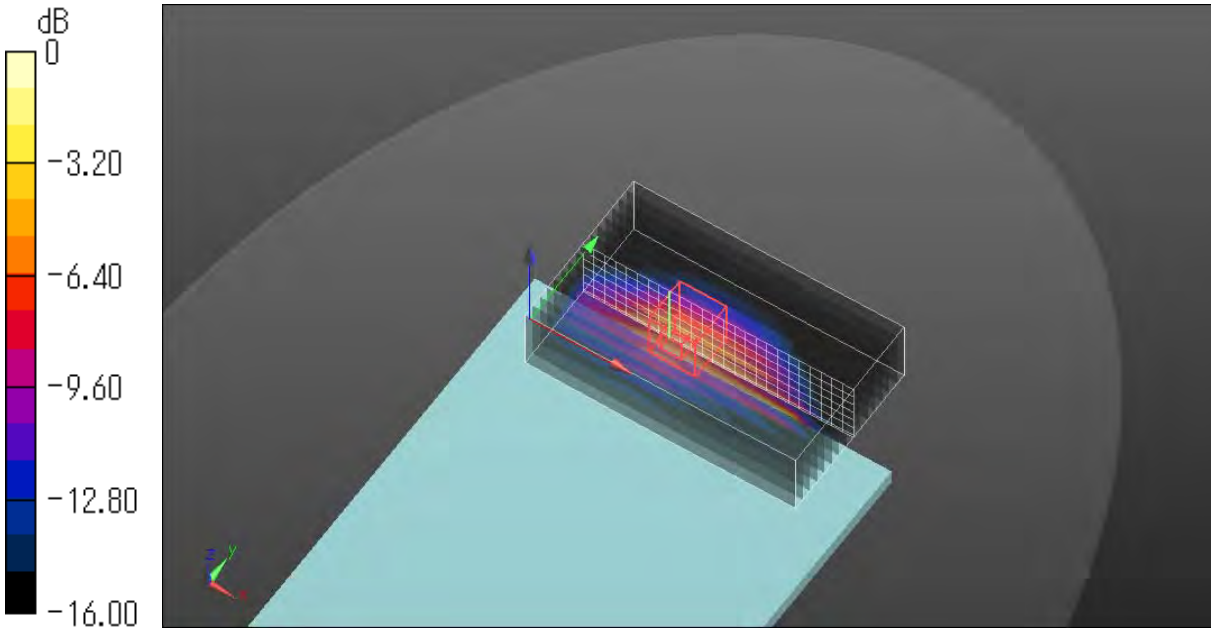
Frequency: 1745 MHz; Communication System Channel Number: 132322; Duty Cycle: 1:1
Medium parameters used: f = 1745 MHz; σ = 1.328 S/m; ε_r = 38.608; ρ = 1000 kg/m^3

DASY5 Configuration:
- Electronics: DAE4 Sn1372; Calibrated: 2023/03/16
- Probe: EX3DV4 - SN7652; ConvF(8.8, 8.64, 8.92) @ 1745 MHz; Calibrated: 2023/04/24
- Sensor-Surface: 1.4 mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 TP1207 (30 deg probe tilt); Phantom section: Flat Section ; Type: QDOVA001BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Frequency: 836.5 MHz; Communication System Channel Number: 167300; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.905 S/m; ε_r = 41.814; ρ = 1000 kg/m^3

DASY5 Configuration:
- Electronics: DAE4 Sn1369; Calibrated: 2023/05/23
- Probe: EX3DV4 - SN3917; ConvF(10.04, 10.04, 10.04) @ 836.5 MHz; Calibrated: 2023/05/23
- Sensor-Surface: 1.4 mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (20 deg probe tilt); Phantom section: Flat Section ; Type: QDOVA001BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Multi Band Result:
SAR(1 g) = 1.09 W/kg; SAR(10 g) = 0.519 W/kg
Maximum value of SAR (interpolated) = 2.45 W/kg



0 dB = 2.45 W/kg = 3.89 dBW/kg

H.12 Plot No. Rear LTE Band12 + NR band n66

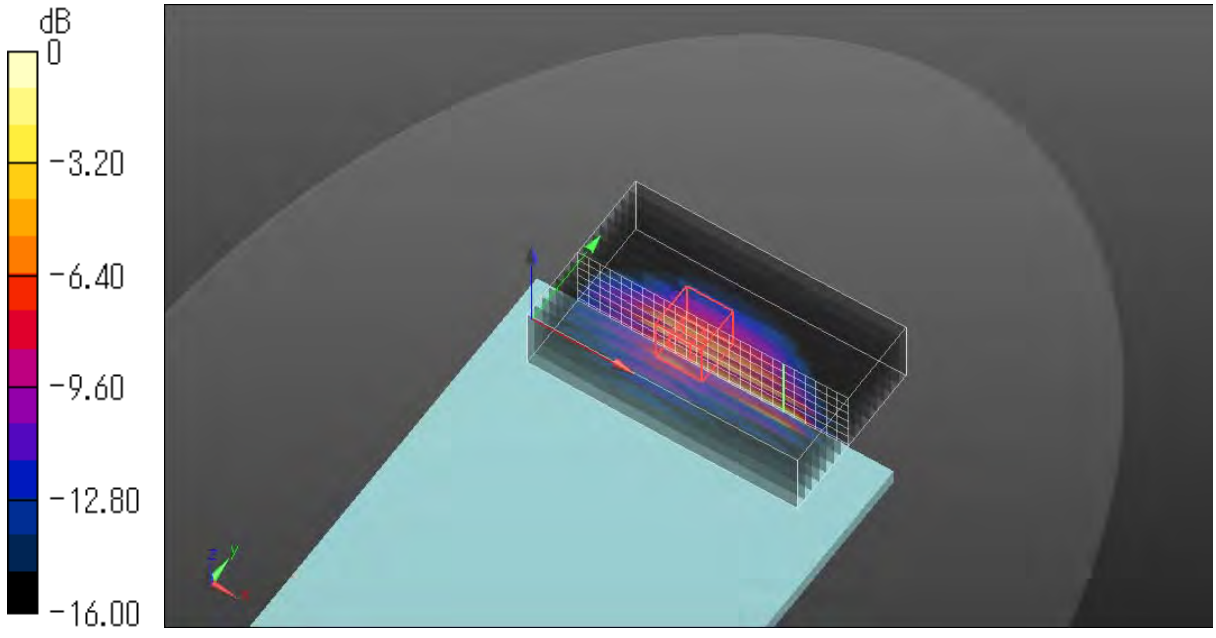
Frequency: 707.5 MHz; Communication System Channel Number: 23095; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 707.5 MHz; σ = 0.868 S/m; ε_r = 42.136; ρ = 1000 kg/m^3

DASY5 Configuration:
- Electronics: DAE4 Sn1369; Calibrated: 2023/05/23
- Probe: EX3DV4 - SN3917; ConvF(10.09, 10.09, 10.09) @ 707.5 MHz; Calibrated: 2023/05/23
- Sensor-Surface: 1.4 mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (20 deg probe tilt); Phantom section: Flat Section ; Type: QDOVA001BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Frequency: 1745 MHz; Communication System Channel Number: 349000; Duty Cycle: 1:1
Medium parameters used: f = 1745 MHz; σ = 1.328 S/m; ε_r = 38.608; ρ = 1000 kg/m^3

DASY5 Configuration:
- Electronics: DAE4 Sn1372; Calibrated: 2023/03/16
- Probe: EX3DV4 - SN7652; ConvF(8.8, 8.64, 8.92) @ 1745 MHz; Calibrated: 2023/04/24
- Sensor-Surface: 1.4 mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 TP1207 (30deg probe tilt); Phantom section: Flat Section ; Type: QDOVA001BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Multi Band Result:
SAR(1 g) = 1.03 W/kg; SAR(10 g) = 0.516 W/kg
Maximum value of SAR (interpolated) = 3.05 W/kg



0 dB = 3.05 W/kg = 4.84 dBW/kg

H.13 Plot No. Rear LTE Band13 + NR band n66

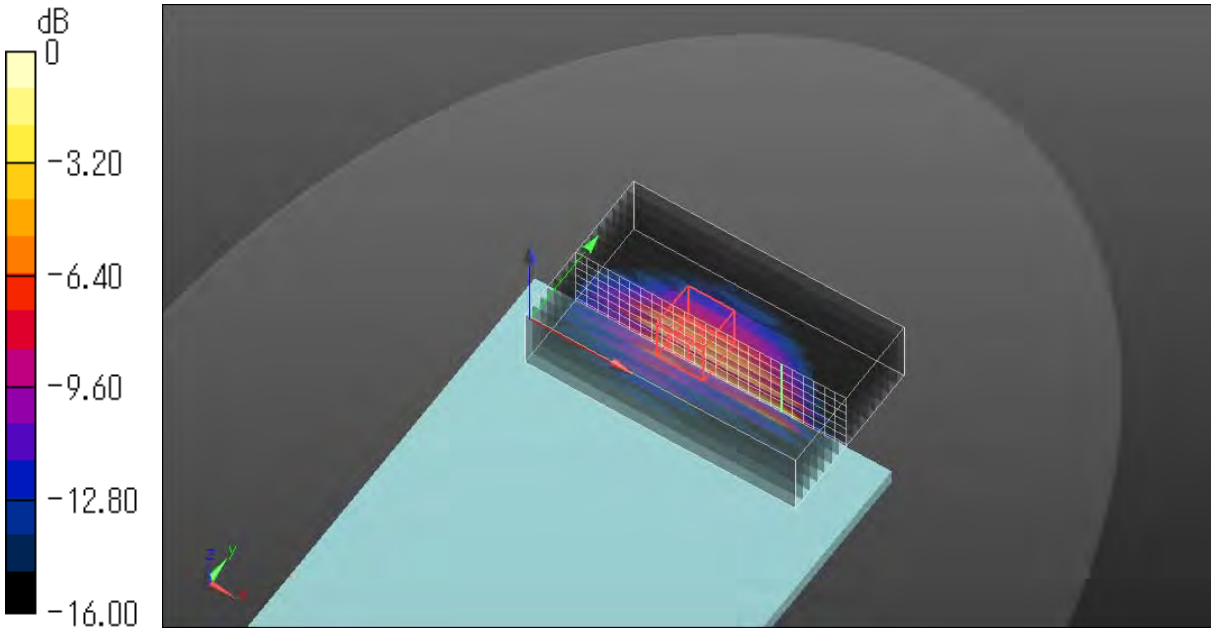
Frequency: 782 MHz; Communication System Channel Number: 23230; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 782 MHz; σ = 0.886 S/m; ε_r = 41.958; ρ = 1000 kg/m^3

DASY5 Configuration:
- Electronics: DAE4 Sn1369; Calibrated: 2023/05/23
- Probe: EX3DV4 - SN3917; ConvF(10.09, 10.09, 10.09) @ 782 MHz; Calibrated: 2023/05/23
- Sensor-Surface: 1.4 mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (20 deg probe tilt); Phantom section: Flat Section ; Type: QDOVA001BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Frequency: 1745 MHz; Communication System Channel Number: 349000; Duty Cycle: 1:1
Medium parameters used: f = 1745 MHz; σ = 1.328 S/m; ε_r = 38.608; ρ = 1000 kg/m^3

DASY5 Configuration:
- Electronics: DAE4 Sn1372; Calibrated: 2023/03/16
- Probe: EX3DV4 - SN7652; ConvF(8.8, 8.64, 8.92) @ 1745 MHz; Calibrated: 2023/04/24
- Sensor-Surface: 1.4 mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 TP1207 (30 deg probe tilt); Phantom section: Flat Section ; Type: QDOVA001BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Multi Band Result:
SAR(1 g) = 1.15 W/kg; SAR(10 g) = 0.570 W/kg
Maximum value of SAR (interpolated) = 2.92 W/kg



0 dB = 2.92 W/kg = 4.65 dBW/kg

H.14 Plot No. Rear WLAN 5.6G + BT

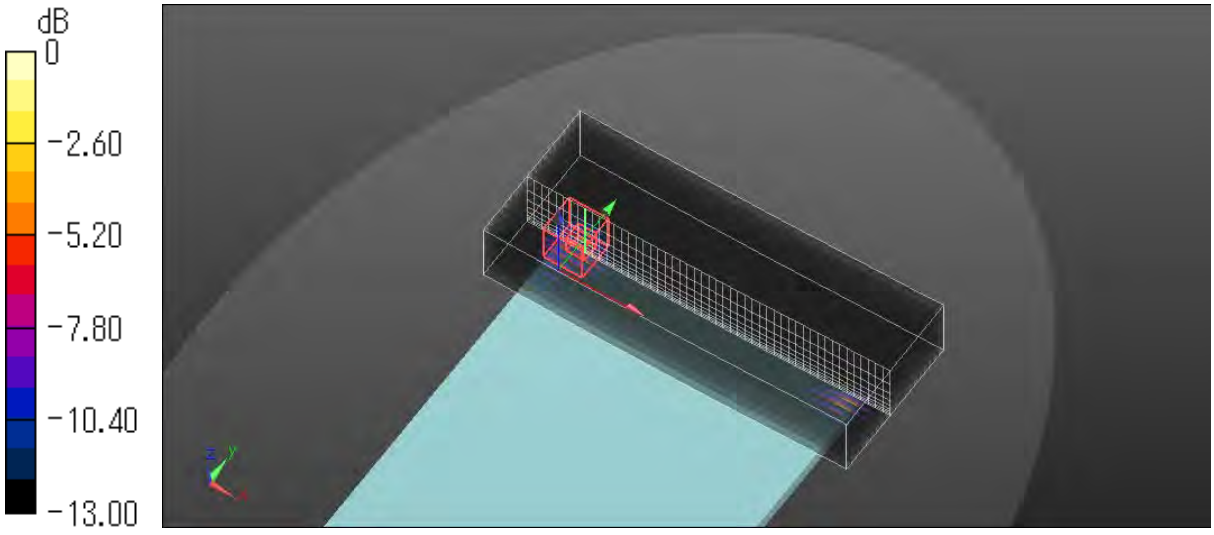
Frequency: 5700 MHz; Communication System Channel Number: 140; Duty Cycle: 1:1
Medium parameters used: f = 5700 MHz; σ = 5.037 S/m; ε_r = 36.454; ρ = 1000 kg/m^3

DASY5 Configuration:
- Electronics: DAE4 Sn1369; Calibrated: 2023/05/23
- Probe: EX3DV4 - SN3922; ConvF(4.68, 4.68, 4.68) @ 5700 MHz; Calibrated: 2022/08/19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (20deg probe tilt); Phantom section: Flat Section ; Type: QDOVA001BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Frequency: 2402 MHz; Communication System Channel Number: 0; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2402 MHz; σ = 1.739 S/m; ε_r = 39.569; ρ = 1000 kg/m^3

DASY5 Configuration:
- Electronics: DAE4 Sn554; Calibrated: 2023/04/14
- Probe: EX3DV4 - SN3745; ConvF(6.89, 6.89, 6.89) @ 2402 MHz; Calibrated: 2023/04/18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v4.0 (20deg probe tilt); Phantom section: Flat Section ; Type: QDOVA001BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Multi Band Result:
SAR(1 g) = 0.706 W/kg; SAR(10 g) = 0.237 W/kg
Maximum value of SAR (interpolated) = 3.31 W/kg



0 dB = 3.31 W/kg = 5.20 dBW/kg

H.15 Plot No. Rear WLAN 5.8G + BT

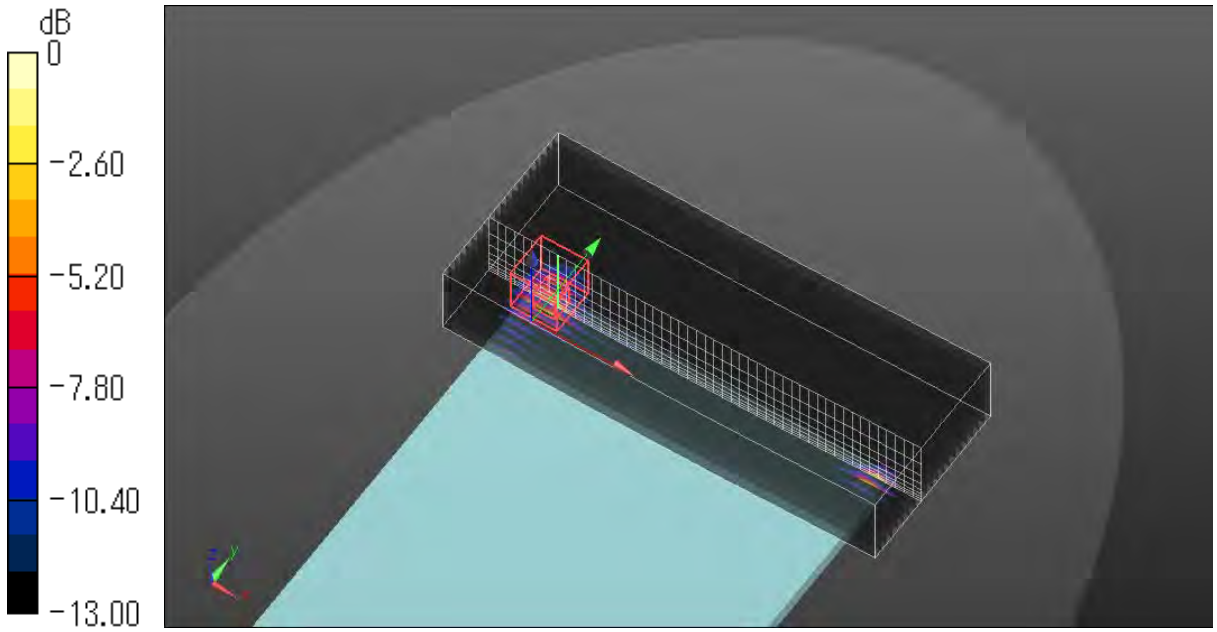
Frequency: 5700 MHz; Communication System Channel Number: 140; Duty Cycle: 1:1
Medium parameters used: f = 5700 MHz; σ = 5.037 S/m; ε_r = 36.454; ρ = 1000 kg/m^3

DASY5 Configuration:
- Electronics: DAE4 Sn1369; Calibrated: 2023/05/23
- Probe: EX3DV4 - SN3922; ConvF(4.68, 4.68, 4.68) @ 5700 MHz; Calibrated: 2022/08/19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (20deg probe tilt); Phantom section: Flat Section ; Type: QDOVA001BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Frequency: 5785 MHz; Communication System Channel Number: 157; Duty Cycle: 1:1
Medium parameters used: f = 5785 MHz; σ = 5.126 S/m; ε_r = 36.345; ρ = 1000 kg/m^3

DASY5 Configuration:
- Electronics: DAE4 Sn1369; Calibrated: 2023/05/23
- Probe: EX3DV4 - SN3922; ConvF(4.85, 4.85, 4.85) @ 5785 MHz; Calibrated: 2022/08/19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (20deg probe tilt); Phantom section: Flat Section ; Type: QDOVA001BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Multi Band Result:
SAR(1 g) = 0.724 W/kg; SAR(10 g) = 0.242 W/kg
Maximum value of SAR (interpolated) = 3.26 W/kg



0 dB = 3.26 W/kg = 5.13 dBW/kg

H.16 Plot No. Top LTE Band2

Test Laboratory: UL Japan,Inc. Ise EMC Lab. SAR#2
Date/Time: 2023/07/10 15:26:09

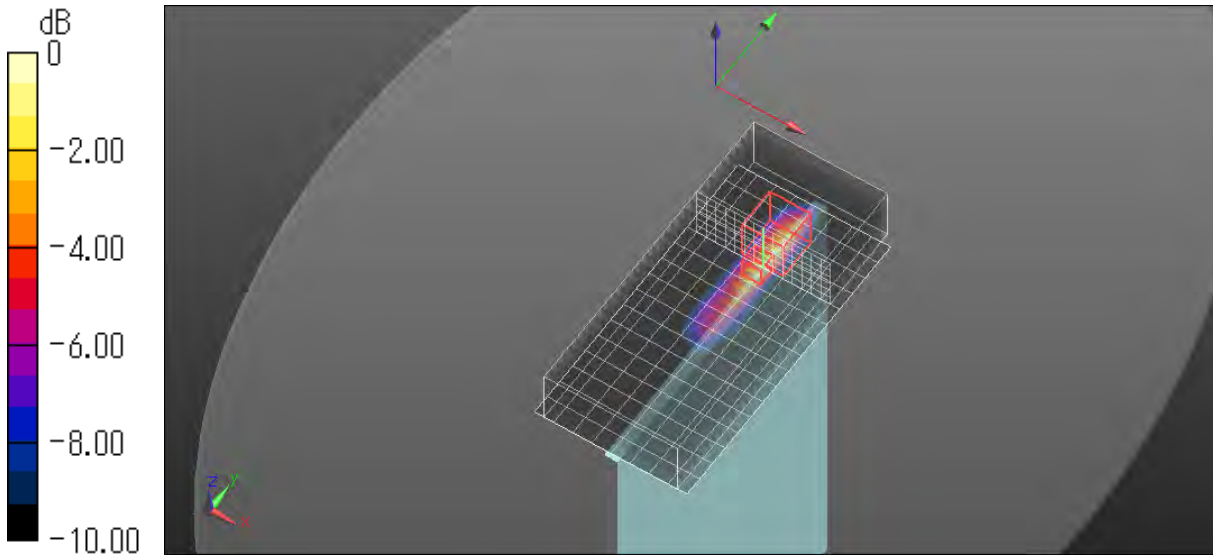
Frequency: 1860 MHz; Communication System Channel Number: 18700; Duty Cycle: 1:1
Medium parameters used: f = 1860 MHz; σ = 1.396 S/m; ε_r = 38.406; ρ = 1000 kg/m^3

DASY5 Configuration:
- Electronics: DAE4 Sn1372; Calibrated: 2023/03/16
- Probe: EX3DV4 - SN7652; ConvF(8.35, 8.13, 8.46) @ 1860 MHz; Calibrated: 2023/04/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 TP1207 (30deg probe tilt); Phantom section: Flat Section ; Type: QDOVA001BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

LTE B2 1860 MHz QPSK N/A Top 0 mm 20 MHz RBn1 RBp0 /Area Scan (9x17x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.16 W/kg

LTE B2 1860 MHz QPSK N/A Top 0 mm 20 MHz RBn1 RBp0 /Volume Scan (15x34x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 17.92 V/m; Power Drift = 0.19 dB
Peak SAR (extrapolated) = 1.87 W/kg
SAR(1 g) = 0.577 W/kg; SAR(10 g) = 0.228 W/kg

Maximum value of SAR (measured) = 1.19 W/kg



0 dB = 1.19 W/kg = 0.76 dBW/kg

H.17 Plot No. Top LTE Band5

Test Laboratory: UL Japan,Inc. Ise EMC Lab. SAR#1
Date/Time: 2023/07/10 7:57:58

Frequency: 836.5 MHz; Communication System Channel Number: 20525; Duty Cycle: 1:1.5787
Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.905 S/m; ε_r = 41.814; ρ = 1000 kg/m^3

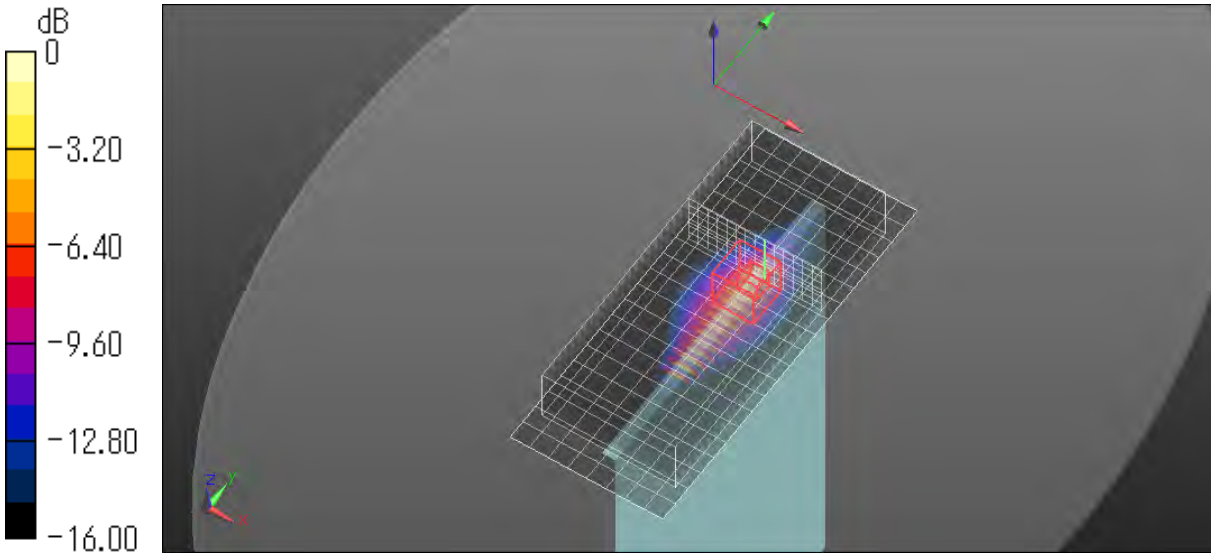
DASY5 Configuration:
- Electronics: DAE4 Sn1369; Calibrated: 2023/05/23
- Probe: EX3DV4 - SN3917; ConvF(10.04, 10.04, 10.04) @ 836.5 MHz; Calibrated: 2023/05/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (20deg probe tilt); Phantom section: Flat Section ; Type: QDOVA001BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

LTE B5 836.5 MHz QPSK N/A Top 0 mm 10 MHz RBn25 RBp0/Area Scan (9x21x1): Measurement grid: dx=10mm, dy=10mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.943 W/kg

LTE B5 836.5 MHz QPSK N/A Top 0 mm 10 MHz RBn25 RBp0/ Volume Scan (15x34x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 36.44 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 1.94 W/kg
SAR(1 g) = 0.505 W/kg; SAR(10 g) = 0.210 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.05 W/kg



0 dB = 1.05 W/kg = 0.21 dBW/kg

H.18 Plot No. Top LTE Band66

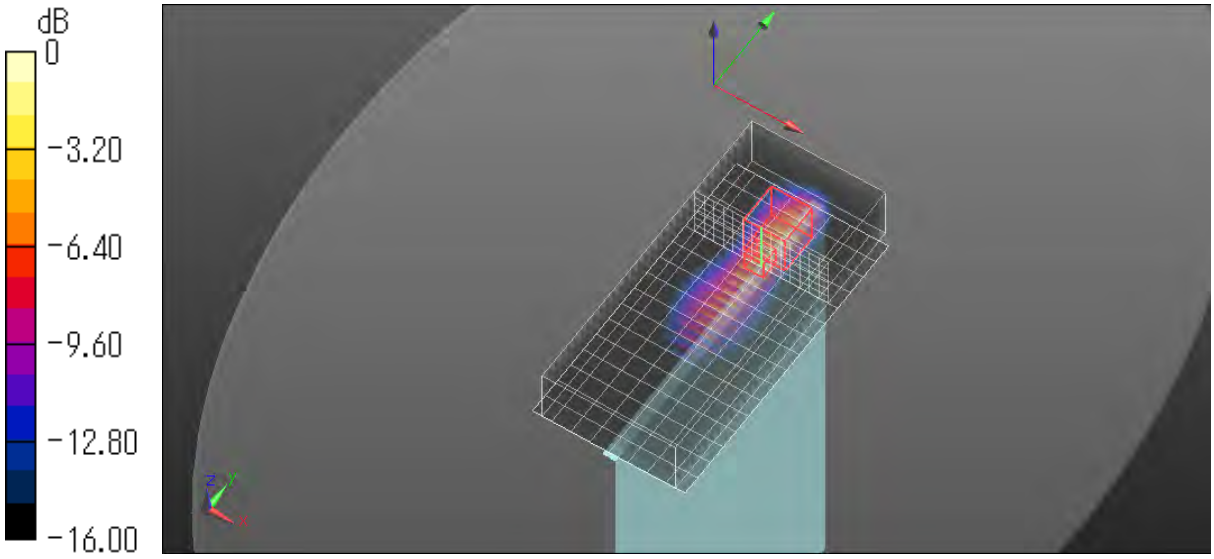
Test Laboratory: UL Japan,Inc. Ise EMC Lab. SAR#2
Date/Time: 2023/07/11 7:05:17

Frequency: 1745 MHz; Communication System Channel Number: 132322; Duty Cycle: 1:1
Medium parameters used: f = 1745 MHz; σ = 1.328 S/m; ε_r = 38.608; ρ = 1000 kg/m^3

DASY5 Configuration:
- Electronics: DAE4 Sn1372; Calibrated: 2023/03/16
- Probe: EX3DV4 - SN7652; ConvF(8.8, 8.64, 8.92) @ 1745 MHz; Calibrated: 2023/04/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 TP1207 (30deg probe tilt); Phantom section: Flat Section ; Type: QDOVA001BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

LTE B66 ch132322 1745 MHz QPSK N/A Top 0 mm 20 MHz RBn50 RBp50 /Area Scan (9x17x1):
Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.34 W/kg

LTE B66 ch132322 1745 MHz QPSK N/A Top 0 mm 20 MHz RBn50 RBp50 / Volume Scan (15x34x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 34.26 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 1.99 W/kg
SAR(1 g) = 0.585 W/kg; SAR(10 g) = 0.241 W/kg
Maximum value of SAR (measured) = 1.33 W/kg



0 dB = 1.33 W/kg = 1.24 dBW/kg

H.19 Plot No. Top NR Band n5

Test Laboratory: UL Japan,Inc. Ise EMC Lab. SAR#1
Date/Time: 2023/07/09 16:51:56

Frequency: 836.5 MHz; Communication System Channel Number: 167300; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.905 S/m; ε_r = 41.814; ρ = 1000 kg/m^3

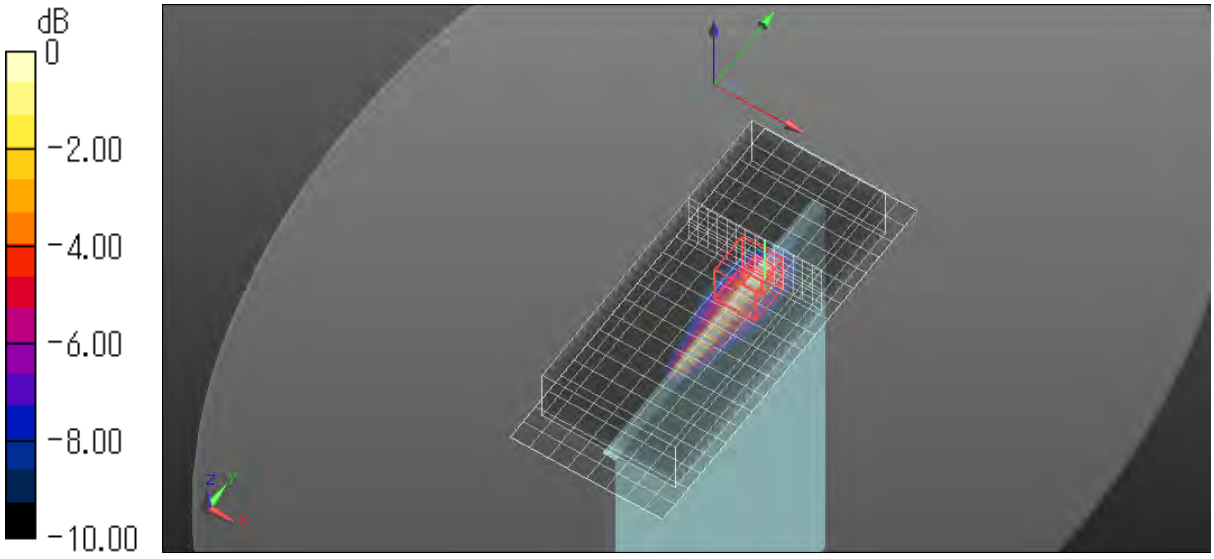
DASY5 Configuration:
- Electronics: DAE4 Sn1369; Calibrated: 2023/05/23
- Probe: EX3DV4 - SN3917; ConvF(10.04, 10.04, 10.04) @ 836.5 MHz; Calibrated: 2023/05/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (20deg probe tilt); Phantom section: Flat Section ; Type: QDOVA001BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

NR n5 836.5 MHz QPSK N/A Top 0 mm 20 MHz RBn1 RBp/Area Scan (9x21x1): Measurement grid: dx=10mm, dy=10mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.814 W/kg

NR n5 836.5 MHz QPSK N/A Top 0 mm 20 MHz RBn1 RBp/ Volume Scan (15x34x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 33.15 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 1.71 W/kg
SAR(1 g) = 0.465 W/kg; SAR(10 g) = 0.208 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.890 W/kg



0 dB = 0.890 W/kg = -0.51 dBW/kg

H.20 Plot No. Top NR Band n66

Test Laboratory: UL Japan,Inc. Ise EMC Lab. SAR#2
Date/Time: 2023/07/11 9:48:48

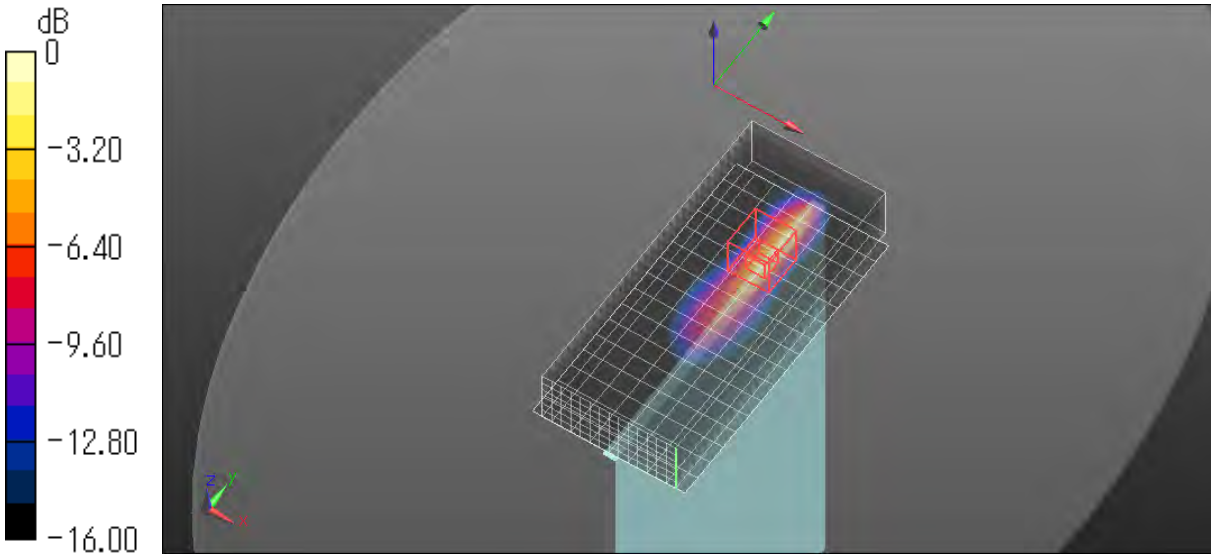
Frequency: 1745 MHz; Communication System Channel Number: 349000; Duty Cycle: 1:1
Medium parameters used: f = 1745 MHz; σ = 1.328 S/m; ε_r = 38.608; ρ = 1000 kg/m^3

DASY5 Configuration:
- Electronics: DAE4 Sn1372; Calibrated: 2023/03/16
- Probe: EX3DV4 - SN7652; ConvF(8.8, 8.64, 8.92) @ 1745 MHz; Calibrated: 2023/04/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 TP1207 (30deg probe tilt); Phantom section: Flat Section ; Type: QDOVA001BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

NR n66 1745 MHz QPSK N/A Top 0 mm 20 MHz RBn1 RBp104 /Area Scan (9x17x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.39 W/kg

NR n66 1745 MHz QPSK N/A Top 0 mm 20 MHz RBn1 RBp104 / Volume Scan (15x34x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 33.89 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 2.24 W/kg
SAR(1 g) = 0.631 W/kg; SAR(10 g) = 0.222 W/kg

Maximum value of SAR (measured) = 1.54 W/kg



0 dB = 1.54 W/kg = 1.88 dBW/kg

H.21 Plot No. Top LTE Band2 + NR band n5

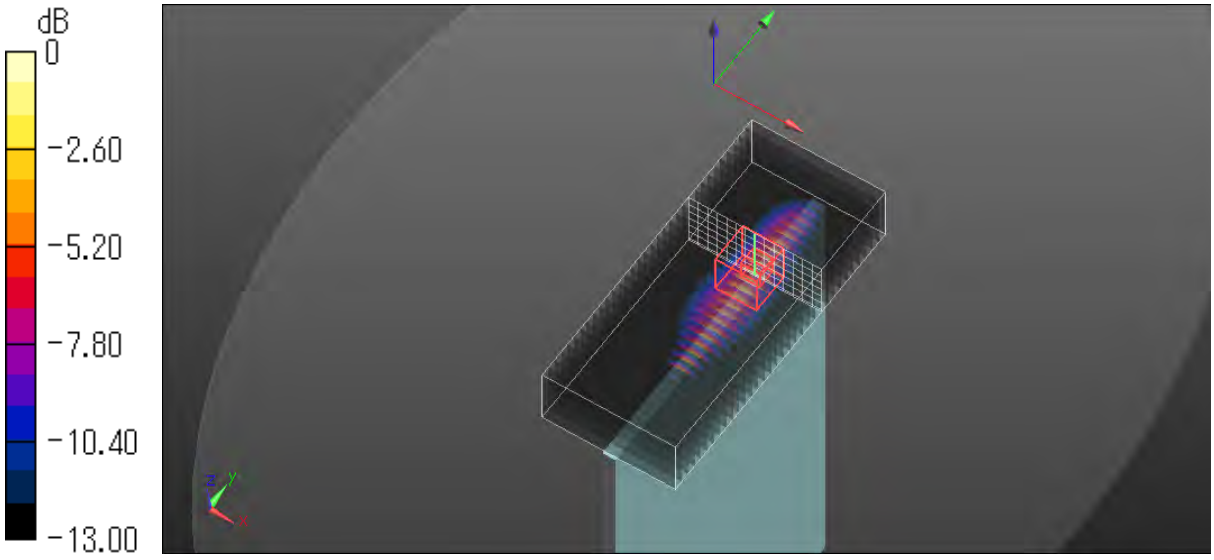
Frequency: 1860 MHz; Communication System Channel Number: 18700; Duty Cycle: 1:1
Medium parameters used: f = 1860 MHz; σ = 1.396 S/m; ε_r = 38.406; ρ = 1000 kg/m^3

DASY5 Configuration:
- Electronics: DAE4 Sn1372; Calibrated: 2023/03/16
- Probe: EX3DV4 - SN7652; ConvF(8.35, 8.13, 8.46) @ 1860 MHz; Calibrated: 2023/04/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 TP1207 (30deg probe tilt); Phantom section: Flat Section ; Type: QDOVA001BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Frequency: 836.5 MHz; Communication System Channel Number: 167300; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.905 S/m; ε_r = 41.814; ρ = 1000 kg/m^3

DASY5 Configuration:
- Electronics: DAE4 Sn1369; Calibrated: 2023/05/23
- Probe: EX3DV4 - SN3917; ConvF(10.04, 10.04, 10.04) @ 836.5 MHz; Calibrated: 2023/05/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (20deg probe tilt); Phantom section: Flat Section ; Type: QDOVA001BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Multi Band Result:
SAR(1 g) = 1.15 W/kg; SAR(10 g) = 0.482 W/kg
Maximum value of SAR (interpolated) = 3.08 W/kg



0 dB = 3.08 W/kg = 4.89 dBW/kg

H.22 Plot No. Top LTE Band66 + NR band n5

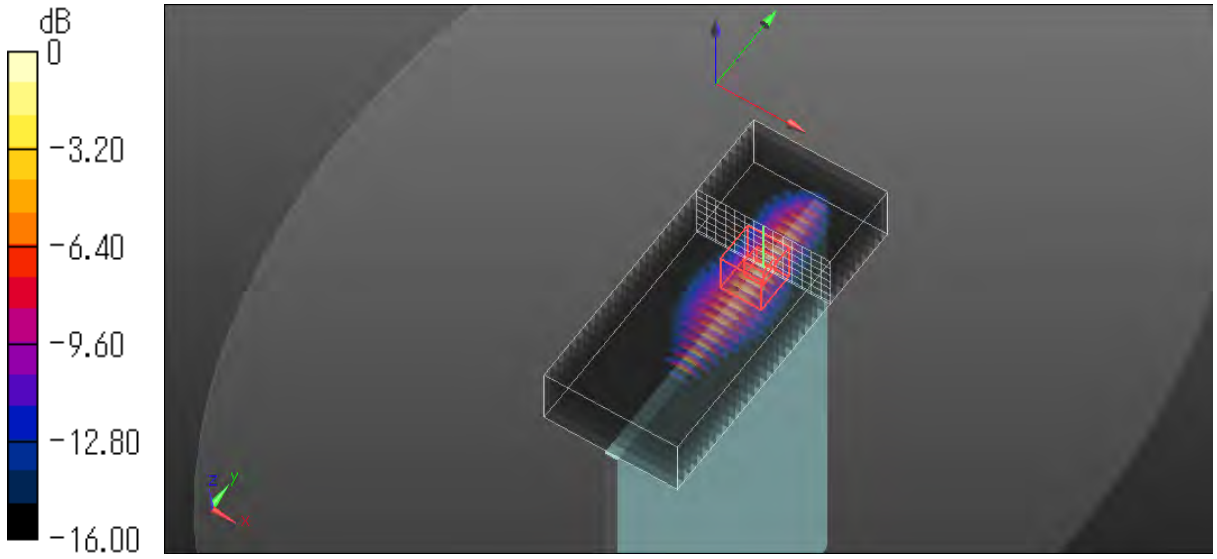
Frequency: 1745 MHz; Communication System Channel Number: 132322; Duty Cycle: 1:1
Medium parameters used: f = 1745 MHz; σ = 1.328 S/m; ε_r = 38.608; ρ = 1000 kg/m^3

DASY5 Configuration:
- Electronics: DAE4 Sn1372; Calibrated: 2023/03/16
- Probe: EX3DV4 - SN7652; ConvF(8.8, 8.64, 8.92) @ 1745 MHz; Calibrated: 2023/04/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 TP1207 (30deg probe tilt); Phantom section: Flat Section ; Type: QDOVA001BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Frequency: 836.5 MHz; Communication System Channel Number: 167300; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.905 S/m; ε_r = 41.814; ρ = 1000 kg/m^3

DASY5 Configuration:
- Electronics: DAE4 Sn1369; Calibrated: 2023/05/23
- Probe: EX3DV4 - SN3917; ConvF(10.04, 10.04, 10.04) @ 836.5 MHz; Calibrated: 2023/05/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (20deg probe tilt); Phantom section: Flat Section ; Type: QDOVA001BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Multi Band Result:
SAR(1 g) = 1.16 W/kg; SAR(10 g) = 0.488 W/kg
Maximum value of SAR (interpolated) = 3.42 W/kg



0 dB = 3.37 W/kg = 5.28 dBW/kg

H.23 Plot No. Top LTE Band5 + NR band n66

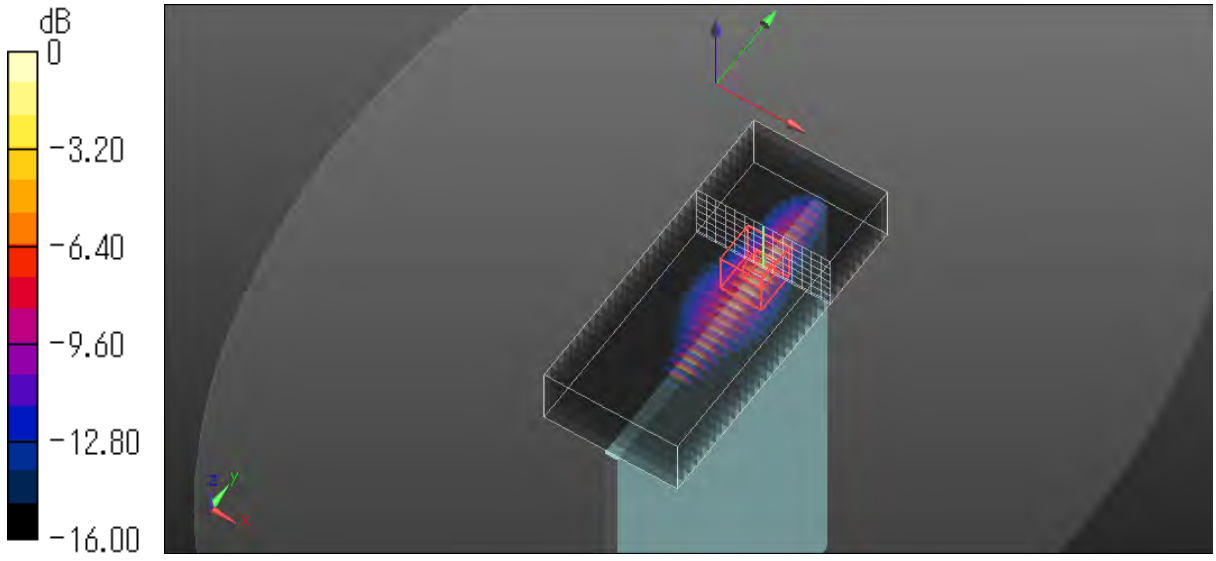
Frequency: 836.5 MHz; Communication System Channel Number: 20525; Duty Cycle: 1:1.5787
Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.905 S/m; ε_r = 41.814; ρ = 1000 kg/m^3

DASY5 Configuration:
- Electronics: DAE4 Sn1369; Calibrated: 2023/05/23
- Probe: EX3DV4 - SN3917; ConvF(10.04, 10.04, 10.04) @ 836.5 MHz; Calibrated: 2023/05/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (20deg probe tilt); Phantom section: Flat Section ; Type: QDOVA001BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Frequency: 1745 MHz; Communication System Channel Number: 349000; Duty Cycle: 1:1
Medium parameters used: f = 1745 MHz; σ = 1.328 S/m; ε_r = 38.608; ρ = 1000 kg/m^3

DASY5 Configuration:
- Electronics: DAE4 Sn1372; Calibrated: 2023/03/16
- Probe: EX3DV4 - SN7652; ConvF(8.8, 8.64, 8.92) @ 1745 MHz; Calibrated: 2023/04/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 TP1207 (30deg probe tilt); Phantom section: Flat Section ; Type: QDOVA001BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Multi Band Result:
SAR(1 g) = 1.14 W/kg; SAR(10 g) = 0.458 W/kg
Maximum value of SAR (interpolated) = 3.30 W/kg



0 dB = 3.30 W/kg = 5.19 dBW/kg

H.24 Plot No. Right NR Band n66

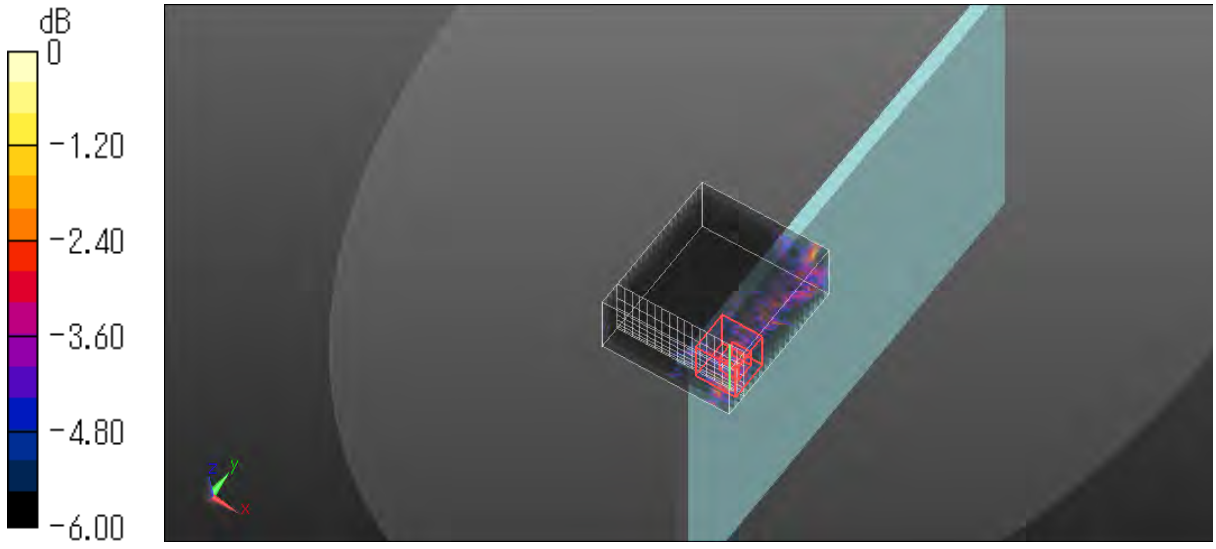
Test Laboratory: UL Japan,Inc. Ise EMC Lab. SAR#3
Date/Time: 2023/07/17 15:44:44

Frequency: 1745 MHz; Communication System Channel Number: 349000; Duty Cycle: 1:1
Room Ambient Temperature: xx°C; Liquid Temperature: xx°C
Medium parameters used: f = 1745 MHz; σ = 1.314 S/m; ε_r = 40.436; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn554; Calibrated: 2023/04/14
- Probe: EX3DV4 - SN3745; ConvF(7.67, 7.67, 7.67) @ 1745 MHz; Calibrated: 2023/04/18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v4.0 (20deg probe tilt); Phantom section: Flat Section ; Type: QDOVA001BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

NR n66 1745 MHz QPSK N/A Rear 0 mm 20 MHz RBn1 RBp104/ Volume Scan, dist=1.4mm (18x21x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 0.6410 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.00437 W/kg
SAR(1 g) = 0.055 W/kg; SAR(10 g) = 0.03 W/kg

Area Scan measurement.
Maximum value of SAR (measured) = 0.00450 W/kg



0 dB = 0.00450 W/kg = -23.47 dBW/kg

H.25 Plot No. Right BT

Test Laboratory: UL Japan,Inc. Ise EMC Lab. SAR#1
Date/Time: 2023/07/19 9:11:50

Frequency: 2402 MHz; Communication System Channel Number: 0; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2402 MHz; σ = 1.707 S/m; ε_r = 40.069; ρ = 1000 kg/m^3

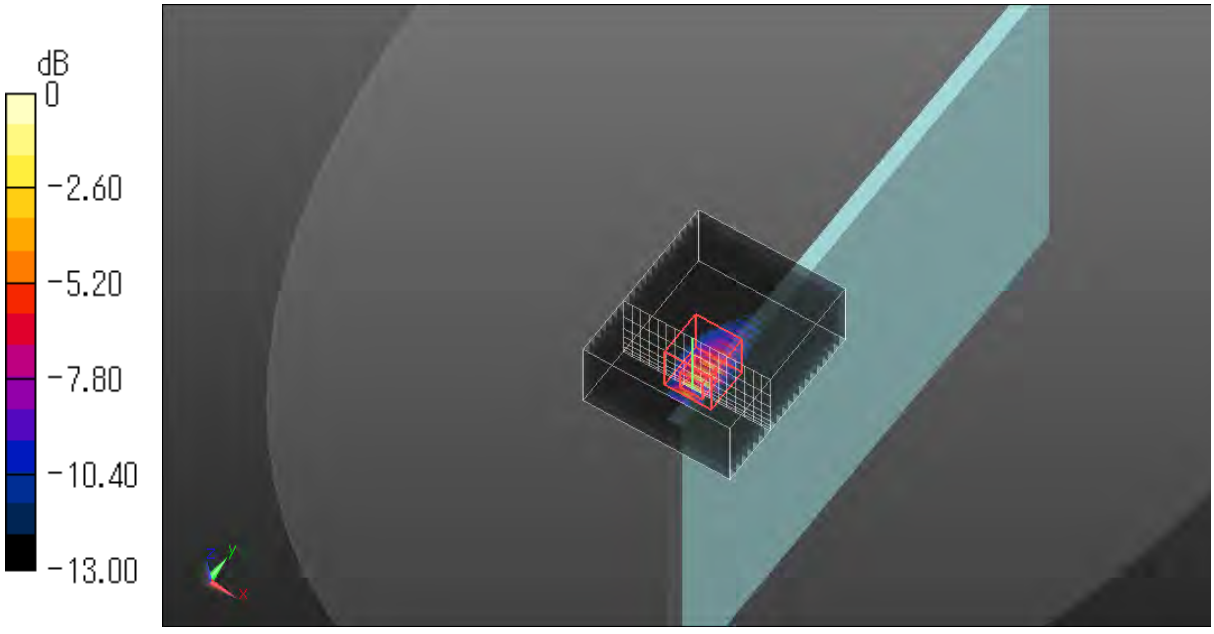
DASY5 Configuration:
- Electronics: DAE4 Sn1369; Calibrated: 2023/05/23
- Probe: EX3DV4 - SN3922; ConvF(7.85, 7.85, 7.85) @ 2402 MHz; Calibrated: 2022/08/19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (20deg probe tilt); Phantom section: Flat Section ; Type: QDOVA001BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

BT 2402MHz Right 0mm sn37/Area Scan 2 2 (7x31x1): Measurement grid: dx=10mm, dy=10mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.756 W/kg

BT 2402MHz Right 0mm sn37/ Volume Scan, dist=1.4mm (18x21x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 21.61 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 1.66 W/kg
SAR(1 g) = 0.255 W/kg; SAR(10 g) = 0.102 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.786 W/kg



0 dB = 0.756 W/kg = -1.21 dBW/kg

H.26 Plot No. Right WLAN 5.3G

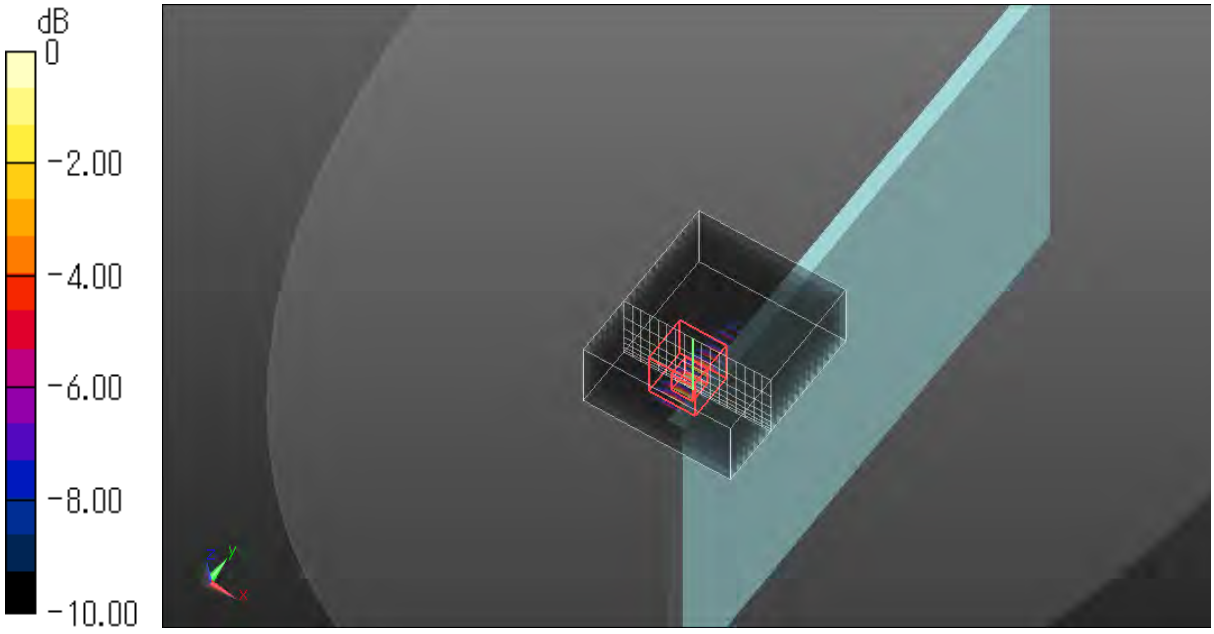
Test Laboratory: UL Japan,Inc. Ise EMC Lab. SAR#2
Date/Time: 2023/07/17 15:48:21

Frequency: 5290 MHz; Communication System Channel Number: 58; Duty Cycle: 1:1
Medium parameters used: f = 5290 MHz; σ = 4.657 S/m; ε_r = 37.197; ρ = 1000 kg/m^3

DASY5 Configuration:
- Electronics: DAE4 Sn1372; Calibrated: 2023/03/16
- Probe: EX3DV4 - SN7652; ConvF(5.72, 5.63, 5.91) @ 5290 MHz; Calibrated: 2023/04/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 TP1207 (30deg probe tilt); Phantom section: Flat Section ; Type: QDOVA001BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

WLAN 11a 5290MHz Right 0mm sn32/ Volume Scan, dist=1.4mm (18x21x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 14.33 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 3.23 W/kg
SAR(1 g) = 0.265 W/kg; SAR(10 g) = 0.074 W/kg

Maximum value of SAR (measured) = 0.715 W/kg



0 dB = 0.715 W/kg = -1.46 dBW/kg

H.27 Plot No. Right WLAN 5.6G

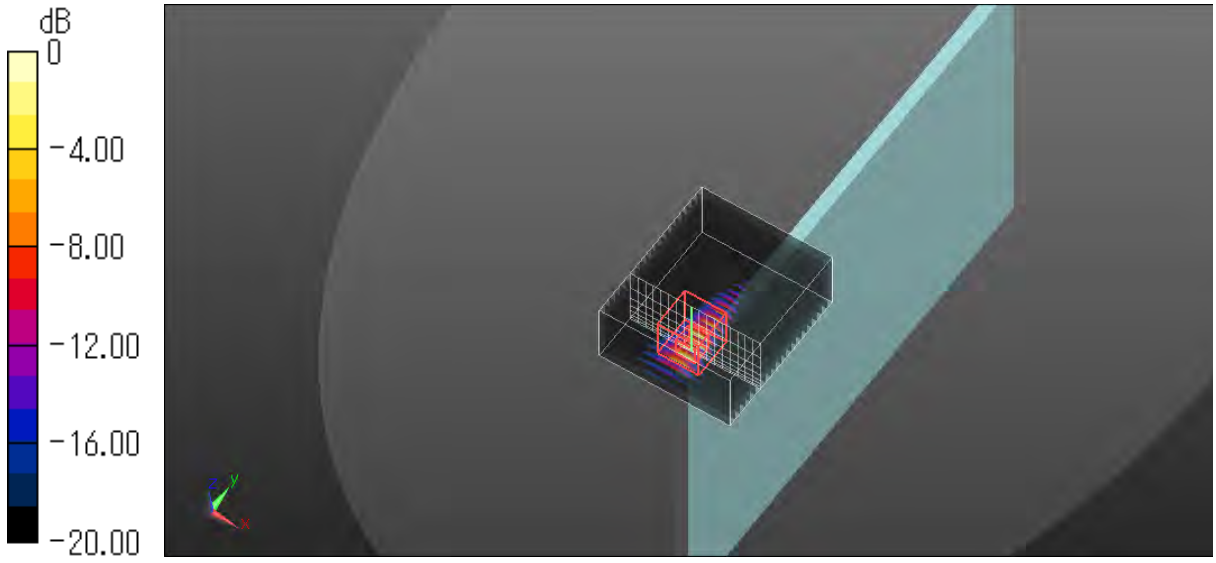
Test Laboratory: UL Japan,Inc. Ise EMC Lab. SAR#2
Date/Time: 2023/07/18 7:22:10

Frequency: 5700 MHz; Communication System Channel Number: 140; Duty Cycle: 1:1
Medium parameters used: f = 5700 MHz; σ = 5.1 S/m; ε_r = 36.599; ρ = 1000 kg/m^3

DASY5 Configuration:
- Electronics: DAE4 Sn1372; Calibrated: 2023/03/16
- Probe: EX3DV4 - SN7652; ConvF(5.24, 5.13, 5.41) @ 5700 MHz; Calibrated: 2023/04/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 TP1207 (30deg probe tilt); Phantom section: Flat Section ; Type: QDOVA001BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

WLAN 11a 5700MHz Right 0mm sn32/ Volume Scan, dist=1.4mm (18x21x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 22.98 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 4.65 W/kg
SAR(1 g) = 0.660 W/kg; SAR(10 g) = 0.168 W/kg

Maximum value of SAR (measured) = 2.35 W/kg



0 dB = 2.35 W/kg = 3.71 dBW/kg

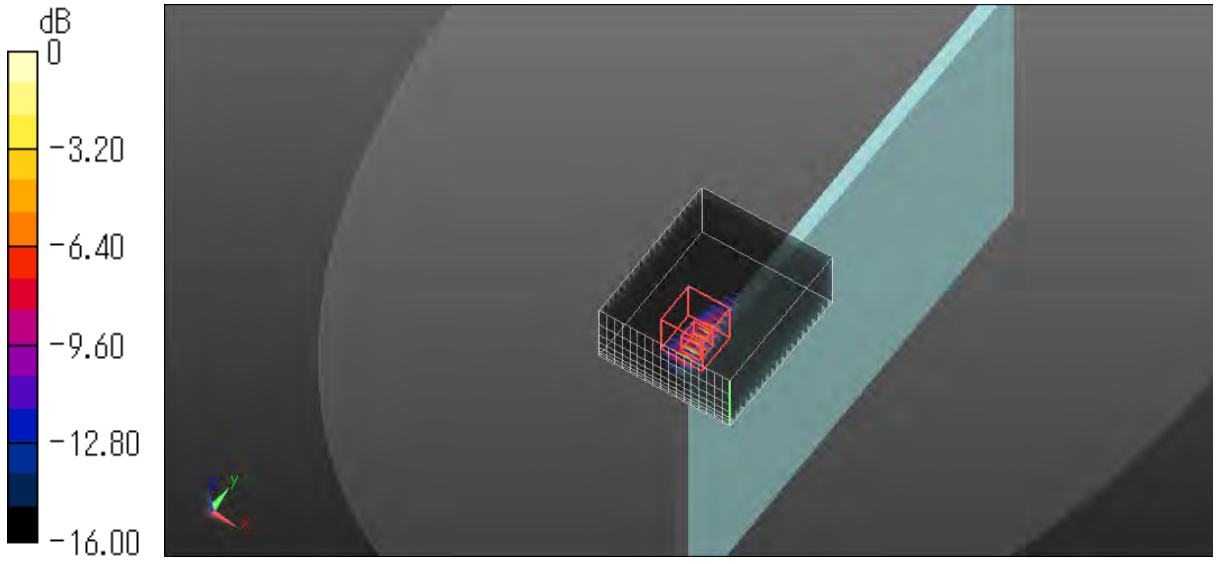
H.28 Plot No. Right WLAN 5.8G

Test Laboratory: UL Japan,Inc. Ise EMC Lab. SAR#2
Date/Time: 2023/07/18 9:11:42

Frequency: 5785 MHz; Communication System Channel Number: 157; Duty Cycle: 1:1
Medium parameters used: f = 5785 MHz; σ = 5.201 S/m; ε_r = 36.461; ρ = 1000 kg/m^3

DASY5 Configuration:
- Electronics: DAE4 Sn1372; Calibrated: 2023/03/16
- Probe: EX3DV4 - SN7652; ConvF(5.19, 5.05, 5.36) @ 5785 MHz; Calibrated: 2023/04/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 TP1207 (30deg probe tilt); Phantom section: Flat Section ; Type: QDOVA001BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

WLAN 11a 5785MHz Right 0mm sn32/ Volume Scan, dist=1.4mm (18x21x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 21.30 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 3.91 W/kg
SAR(1 g) = 0.434 W/kg; SAR(10 g) = 0.102 W/kg
Smallest distance from peaks to all points 3 dB below = 4.1 mm
Ratio of SAR at M2 to SAR at M1 = 54.3%
Maximum value of SAR (measured) = 1.96 W/kg



0 dB = 1.96 W/kg = 2.92 dBW/kg

H.29 Plot No. Right NR bandn66 + BT + WLAN 5.3G

Frequency: 2402 MHz; Communication System Channel Number: 0; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2402 MHz; σ = 1.739 S/m; ε_r = 39.569; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1369; Calibrated: 2023/05/23
- Probe: EX3DV4 - SN3922; ConvF(7.85, 7.85, 7.85) @ 2402 MHz; Calibrated: 2022/08/19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (20deg probe tilt); Phantom section: Flat Section ; Type: QDOVA001BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

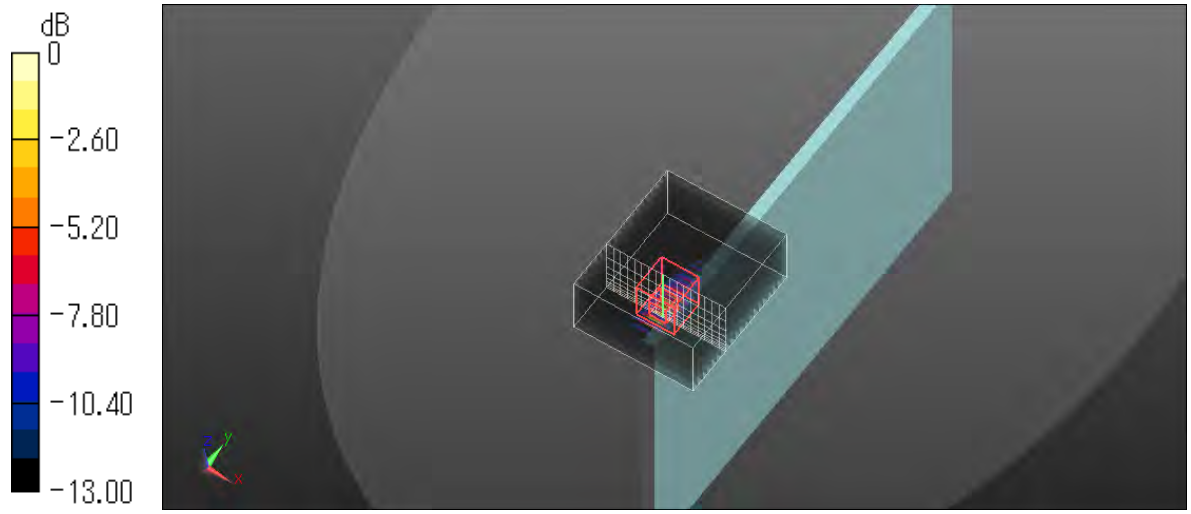
Frequency: 1745 MHz; Communication System Channel Number: 349000; Duty Cycle: 1:1
Medium parameters used: f = 1745 MHz; σ = 1.314 S/m; ε_r = 40.436; ρ = 1000 kg/m^3

DASY5 Configuration:
- Electronics: DAE4 Sn554; Calibrated: 2023/04/14
- Probe: EX3DV4 - SN3745; ConvF(7.67, 7.67, 7.67) @ 1745 MHz; Calibrated: 2023/04/18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v4.0 (20deg probe tilt); Phantom section: Flat Section ; Type: QDOVA001BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Frequency: 5290 MHz; Communication System Channel Number: 58; Duty Cycle: 1:1
Medium parameters used: f = 5290 MHz; σ = 4.657 S/m; εr = 37.197; ρ = 1000 kg/m3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1372; Calibrated: 2023/03/16
- Probe: EX3DV4 - SN7652; ConvF(5.72, 5.63, 5.91) @ 5290 MHz; Calibrated: 2023/04/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 TP1207 (30deg probe tilt); Phantom section: Flat Section ; Type: QDOVA001BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Multi Band Result:
SAR(1 g) = 0.834 W/kg; SAR(10 g) = 0.250 W/kg
Maximum value of SAR (interpolated) = 3.53 W/kg



0 dB = 3.53 W/kg = 5.48 dBW/kg

H.30 Plot No. Right NR bandn66 + BT + WLAN 5.6G

Frequency: 2402 MHz; Communication System Channel Number: 0; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2402 MHz; σ = 1.707 S/m; ε_r = 40.069; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1369; Calibrated: 2023/05/23
- Probe: EX3DV4 - SN3922; ConvF(7.85, 7.85, 7.85) @ 2402 MHz; Calibrated: 2022/08/19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (20deg probe tilt); Phantom section: Flat Section ; Type: QDOVA001BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

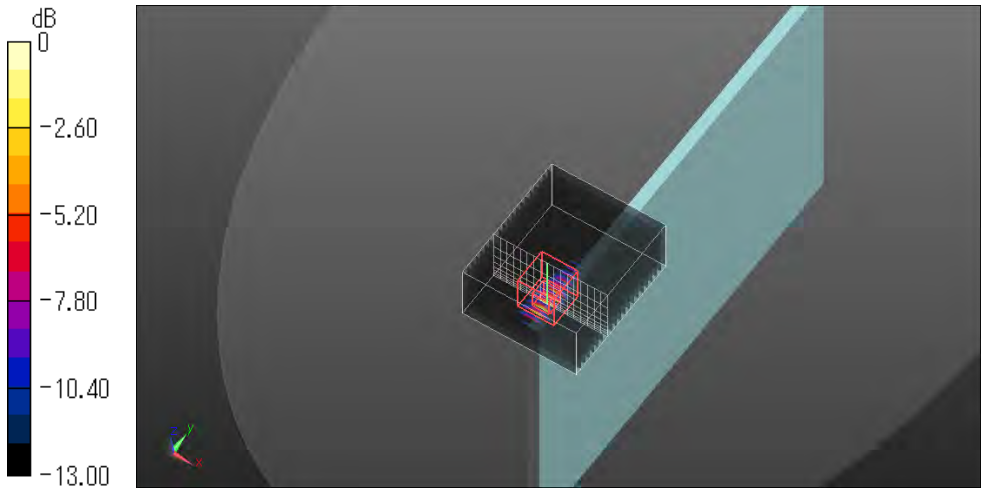
Frequency: 1745 MHz; Communication System Channel Number: 349000; Duty Cycle: 1:1
Medium parameters used: f = 1745 MHz; σ = 1.314 S/m; ε_r = 40.436; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn554; Calibrated: 2023/04/14
- Probe: EX3DV4 - SN3745; ConvF(7.67, 7.67, 7.67) @ 1745 MHz; Calibrated: 2023/04/18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v4.0 (20deg probe tilt); Phantom section: Flat Section ; Type: QDOVA001BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Frequency: 5700 MHz; Communication System Channel Number: 140; Duty Cycle: 1:1
Medium parameters used: f = 5700 MHz; σ = 5.1 S/m; ε_r = 36.599; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1372; Calibrated: 2023/03/16
- Probe: EX3DV4 - SN7652; ConvF(5.24, 5.13, 5.41) @ 5700 MHz; Calibrated: 2023/04/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 TP1207 (30deg probe tilt); Phantom section: Flat Section ; Type: QDOVA001BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Multi Band Result:
SAR(1 g) = 1.21 W/kg; SAR(10 g) = 0.323 W/kg
Maximum value of SAR (interpolated) = 5.96 W/kg



0 dB = 5.96 W/kg = 7.75 dBW/kg

H.31 Plot No. Right NR bandn66 + BT + WLAN 5.8G

Frequency: 2402 MHz; Communication System Channel Number: 0; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2402 MHz; σ = 1.707 S/m; ε_r = 40.069; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1369; Calibrated: 2023/05/23
- Probe: EX3DV4 - SN3922; ConvF(7.85, 7.85, 7.85) @ 2402 MHz; Calibrated: 2022/08/19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (20deg probe tilt); Phantom section: Flat Section ; Type: QDOVA001BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

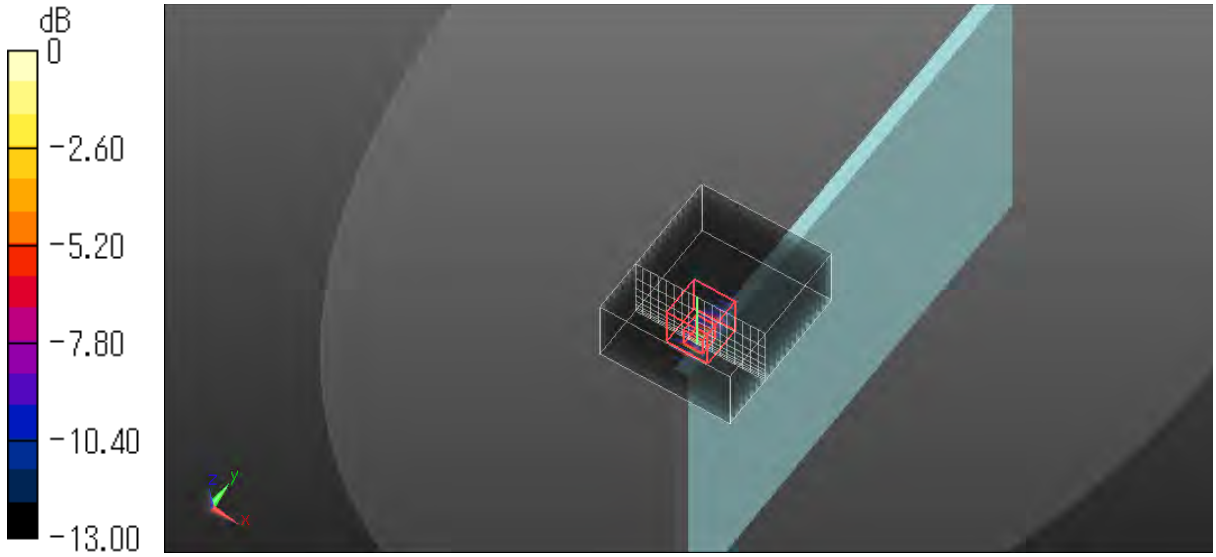
Frequency: 1745 MHz; Communication System Channel Number: 349000; Duty Cycle: 1:1
Medium parameters used: f = 1745 MHz; σ = 1.314 S/m; ε_r = 40.436; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn554; Calibrated: 2023/04/14
- Probe: EX3DV4 - SN3745; ConvF(7.67, 7.67, 7.67) @ 1745 MHz; Calibrated: 2023/04/18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v4.0 (20deg probe tilt); Phantom section: Flat Section ; Type: QDOVA001BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Frequency: 5785 MHz; Communication System Channel Number: 157; Duty Cycle: 1:1
Medium parameters used: f = 5785 MHz; σ = 5.201 S/m; ε_r = 36.461; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1372; Calibrated: 2023/03/16
- Probe: EX3DV4 - SN7652; ConvF(5.19, 5.05, 5.36) @ 5785 MHz; Calibrated: 2023/04/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 TP1207 (30deg probe tilt); Phantom section: Flat Section ; Type: QDOVA001BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Multi Band Result:
SAR(1 g) = 1.04 W/kg; SAR(10 g) = 0.276 W/kg
Maximum value of SAR (interpolated) = 5.41 W/kg



0 dB = 5.41 W/kg = 7.33 dBW/kg