

LTE Band 66

Frequency: 1745 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): $f = 1745$ MHz; $\sigma = 1.322$ S/m; $\epsilon_r = 41.179$; $\rho = 1000$ 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 Sn1494; Calibrated: 2020-07-23
- Probe: EX3DV4 - SN3871; ConvF(8.83, 8.83, 8.83) @ 1745 MHz; Calibrated: 2020-08-28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Type: QDOVA003AA; Serial: TP:2001

Rear/QPSK ch.132322 RB 1/49 /Volume Scan (56x36x7): Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

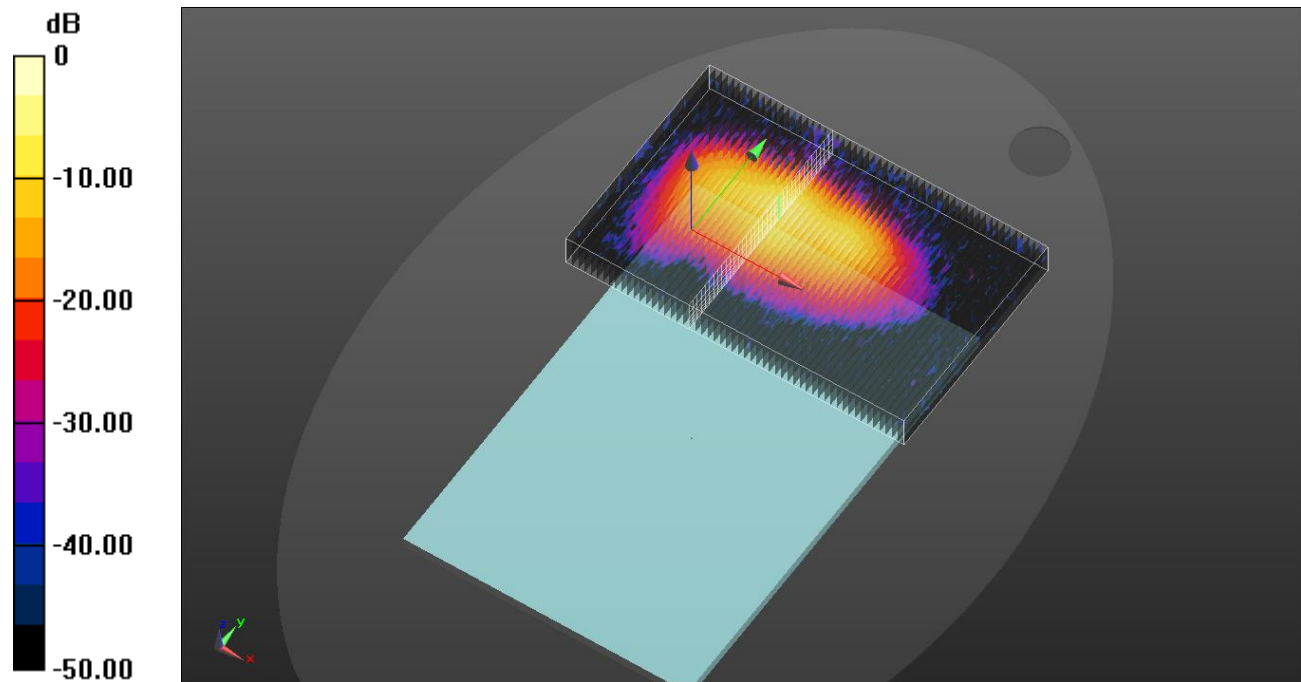
Reference Value = 6.645 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.50 W/kg

SAR(1 g) = 0.500 W/kg; SAR(10 g) = 0.211 W/kg

Total Absorbed Power = 0.00912 W

Maximum value of SAR (measured) = 0.944 W/kg



0 dB = 0.944 W/kg = -0.25 dBW/kg

NR Band n5

Frequency: 836.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.908$ S/m; $\epsilon_r = 42.637$; $\rho = 1000$ 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 Sn1494; Calibrated: 2020-07-23
- Probe: EX3DV4 - SN3871; ConvF(9.83, 9.83, 9.83) @ 836.5 MHz; Calibrated: 2020-08-28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Type: QDOVA003AA; Serial: TP:2001

Rear /QPSK RB 50/28_ch 167300 /Volume Scan (33x18x7): Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

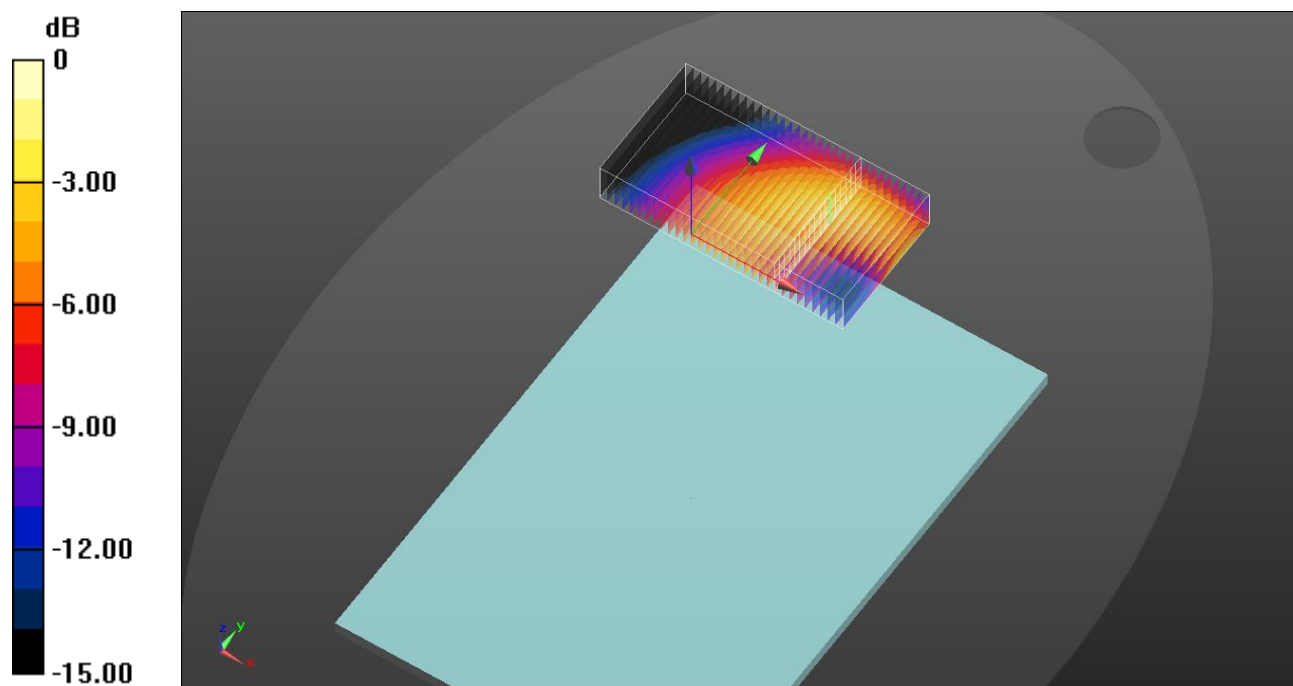
Reference Value = 23.82 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.663 W/kg

SAR(1 g) = 0.432 W/kg; SAR(10 g) = 0.285 W/kg

Total Absorbed Power = 0.0234 W

Maximum value of SAR (measured) = 0.571 W/kg



0 dB = 0.571 W/kg = -2.43 dBW/kg

UNII Ant 1

Frequency: 5290 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 5290$ MHz; $\sigma = 4.773$ S/m; $\epsilon_r = 35.43$; $\rho = 1000$ 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 Sn1494; Calibrated: 2020-07-23
- Probe: EX3DV4 - SN3871; ConvF(5.25, 5.25, 5.25) @ 5290 MHz; Calibrated: 2020-08-28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Type: QDOVA003AA; Serial: TP:2001

Rear/802.11ac 80 mode ch 58 /Volume Scan (33x18x7): Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

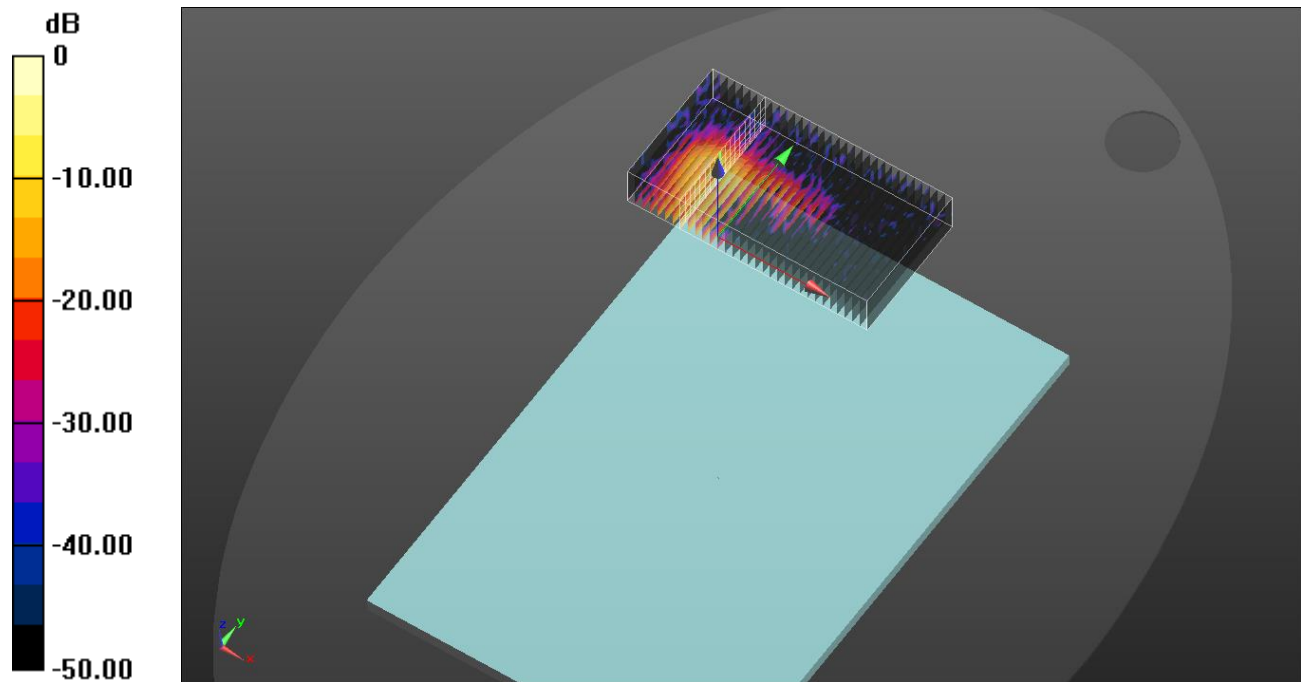
Reference Value = 10.34 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 3.95 W/kg

SAR(1 g) = 0.693 W/kg; SAR(10 g) = 0.201 W/kg

Total Absorbed Power = 0.00320 W

Maximum value of SAR (measured) = 2.17 W/kg



0 dB = 2.17 W/kg = 3.36 dBW/kg

Bluetooth

Frequency: 2441 MHz; Duty Cycle: 1:1.29033; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C

Medium parameters used (interpolated): $f = 2441$ MHz; $\sigma = 1.769$ S/m; $\epsilon_r = 40.252$; $\rho = 1000$ 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 Sn1494; Calibrated: 2020-07-23

- Probe: EX3DV4 - SN3871; ConvF(7.59, 7.59, 7.59) @ 2441 MHz; Calibrated: 2020-08-28

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

- Phantom: ELI v6.0; Type: QDOVA003AA; Serial: TP:2001

Rear/Bluetooth GFSK_ch39 /Volume Scan (56x36x7): Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

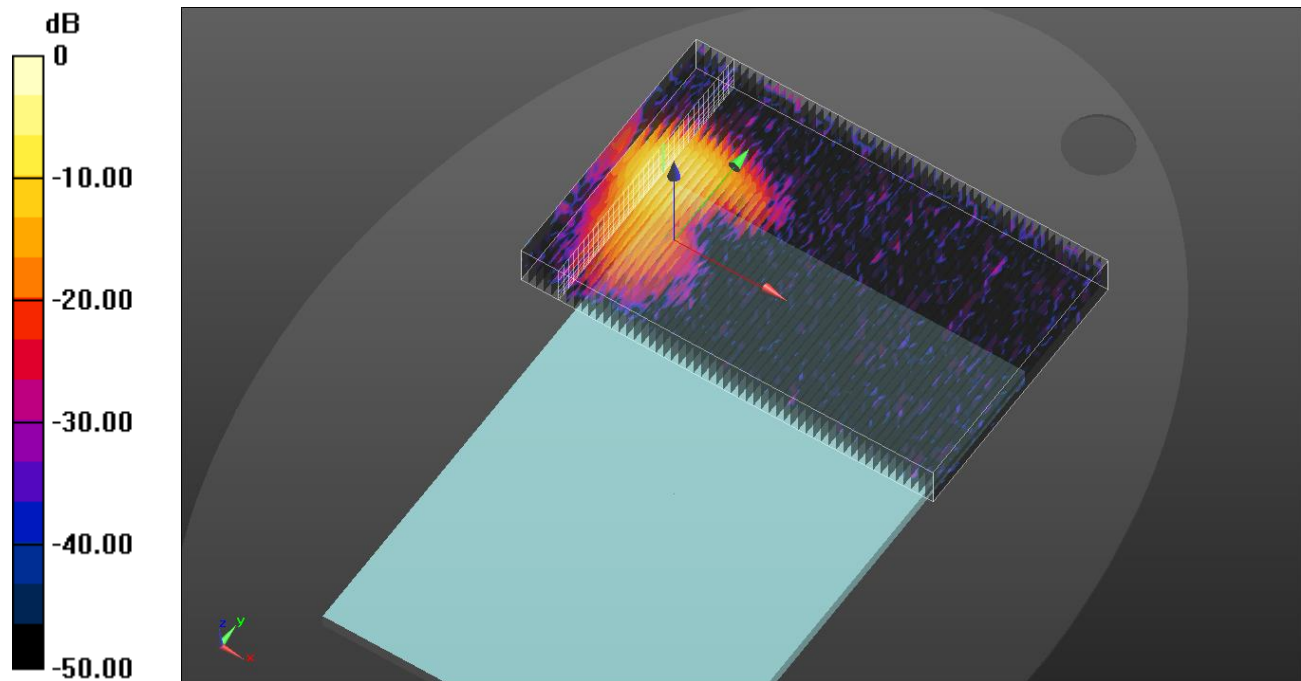
Reference Value = 5.027 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.896 W/kg

SAR(1 g) = 0.161 W/kg; SAR(10 g) = 0.066 W/kg

Total Absorbed Power = 0.00141 W

Maximum value of SAR (measured) = 0.343 W/kg



0 dB = 0.343 W/kg = -4.65 dBW/kg

LTE Band 66

Frequency: 1745 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 1745 \text{ MHz}$; $\sigma = 1.322 \text{ S/m}$; $\epsilon_r = 41.179$; $\rho = 1000 \text{ kg/m}^3$

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 Sn1494; Calibrated: 2020-07-23
- Probe: EX3DV4 - SN3871; ConvF(8.83, 8.83, 8.83) @ 1745 MHz; Calibrated: 2020-08-28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Type: QDOVA003AA; Serial: TP:2001

Edge 1/QPSK ch.132322 RB 100/0 /Volume Scan (16x33x7): Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=1.4\text{mm}$

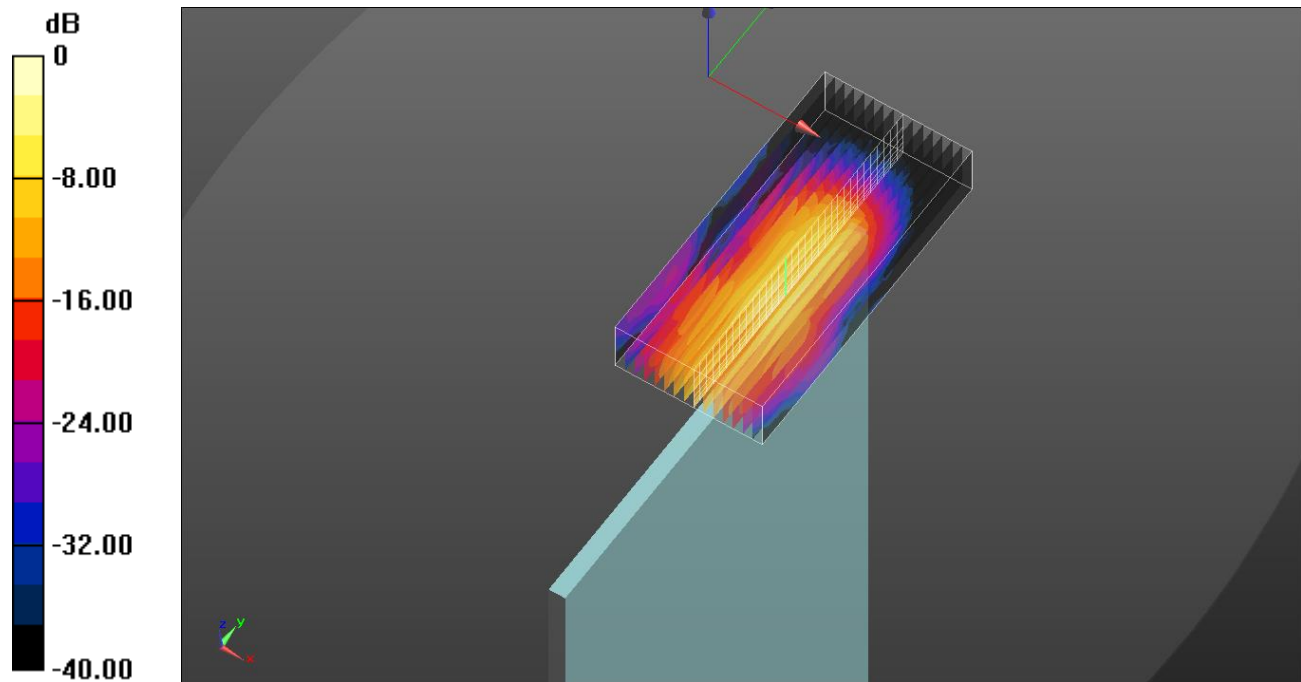
Reference Value = 34.72 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 4.48 W/kg

SAR(1 g) = 0.985 W/kg; SAR(10 g) = 0.361 W/kg

Total Absorbed Power = 0.0137 W

Maximum value of SAR (measured) = 2.23 W/kg



0 dB = 2.23 W/kg = 3.48 dBW/kg

NR Band n5

Frequency: 836.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.891$ S/m; $\epsilon_r = 40.606$; $\rho = 1000$ 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 Sn1494; Calibrated: 2020-07-23
- Probe: EX3DV4 - SN3871; ConvF(9.83, 9.83, 9.83) @ 836.5 MHz; Calibrated: 2020-08-28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Type: QDOVA003AA; Serial: TP:2001

Edge 1 /QPSK RB 50/28_ch 167300/Volume Scan (16x33x7): Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

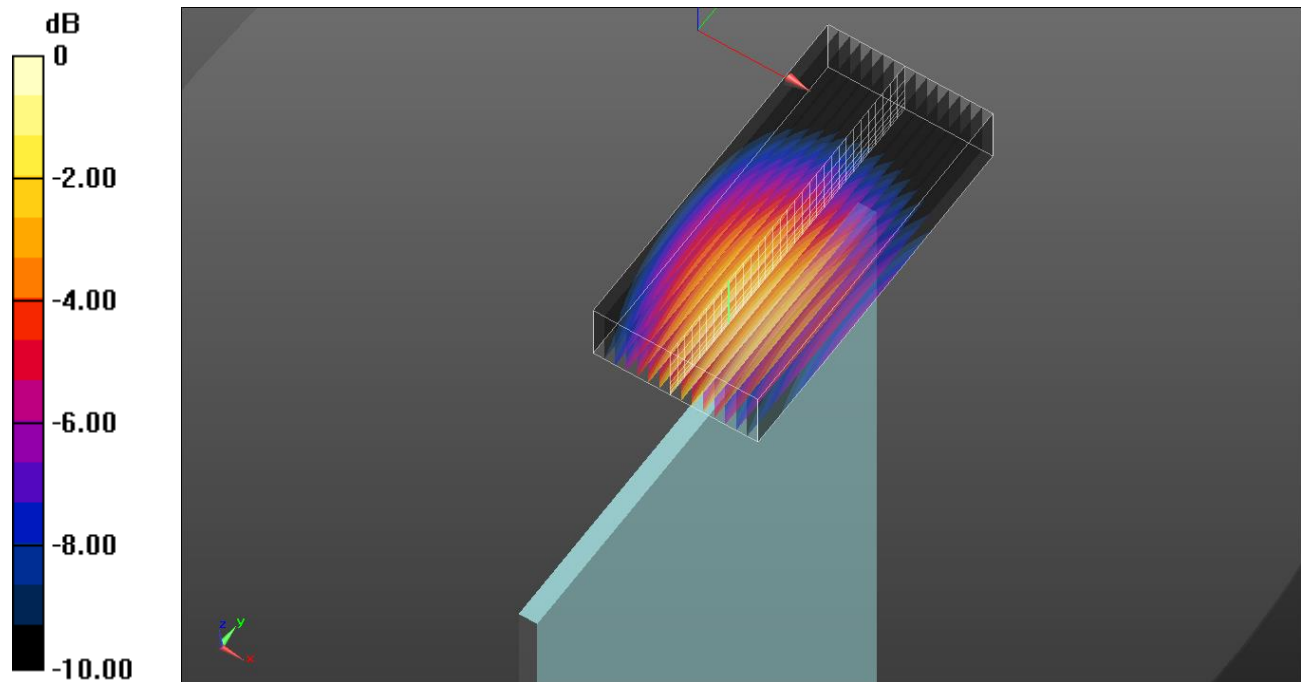
Reference Value = 20.35 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.465 W/kg

SAR(1 g) = 0.308 W/kg; SAR(10 g) = 0.211 W/kg

Total Absorbed Power = 0.0164 W

Maximum value of SAR (measured) = 0.396 W/kg



0 dB = 0.396 W/kg = -4.02 dBW/kg

UNII Ant 1

Frequency: 5775 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used: $f = 5775$ MHz; $\sigma = 5.31$ S/m; $\epsilon_r = 34.418$; $\rho = 1000$ 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 Sn1494; Calibrated: 2020-07-23
- Probe: EX3DV4 - SN3871; ConvF(4.94, 4.94, 4.94) @ 5775 MHz; Calibrated: 2020-08-28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Type: QDOVA003AA; Serial: TP:2001

Edge 1/802.11ac VHT80 mode ch 106 /Volume Scan (16x33x7): Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

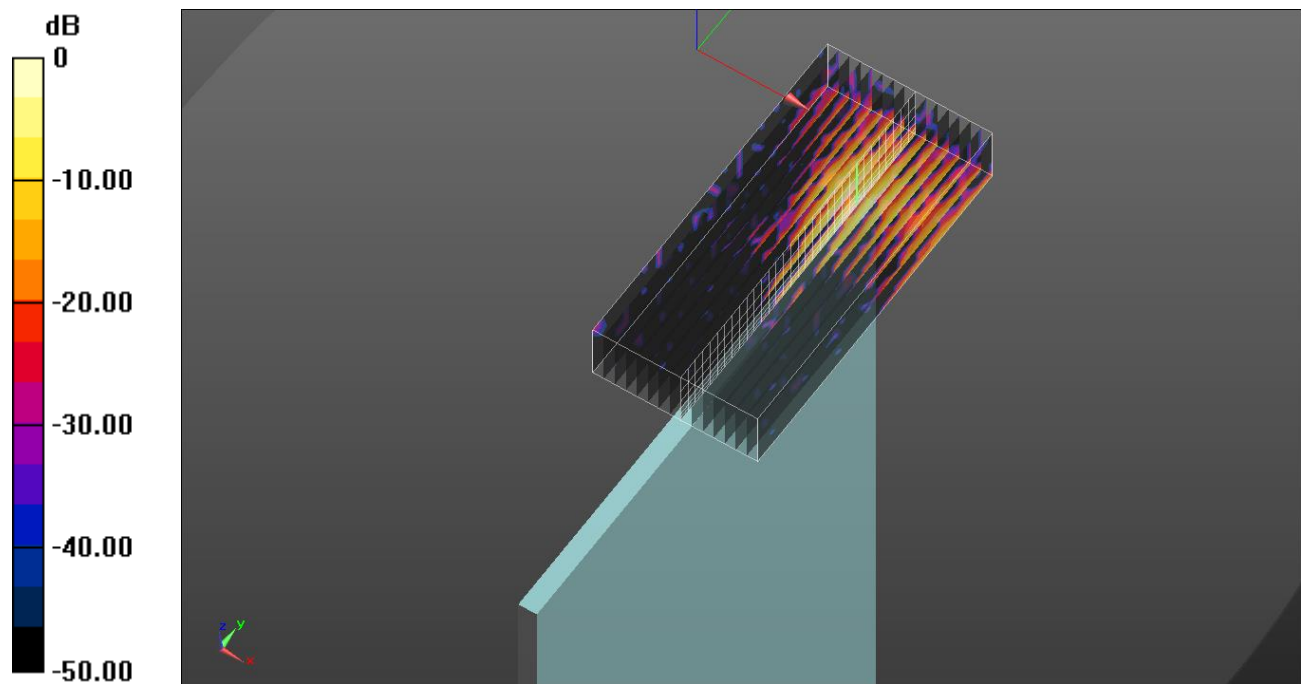
Reference Value = 10.03 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.09 W/kg

SAR(1 g) = 0.251 W/kg; SAR(10 g) = 0.067 W/kg

Total Absorbed Power = 0.00119 W

Maximum value of SAR (measured) = 0.679 W/kg



0 dB = 0.679 W/kg = -1.68 dBW/kg

Bluetooth

Frequency: 2441 MHz; Duty Cycle: 1:1.29033; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): $f = 2441$ MHz; $\sigma = 1.769$ S/m; $\epsilon_r = 40.252$; $\rho = 1000$ 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 Sn1494; Calibrated: 2020-07-23
- Probe: EX3DV4 - SN3871; ConvF(7.59, 7.59, 7.59) @ 2441 MHz; Calibrated: 2020-08-28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Type: QDOVA003AA; Serial: TP:2001

Edge 1/Bluetooth GFSK_ch39 Ant.1 Reduce/Volume Scan (16x33x7): Measurement grid:

$dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

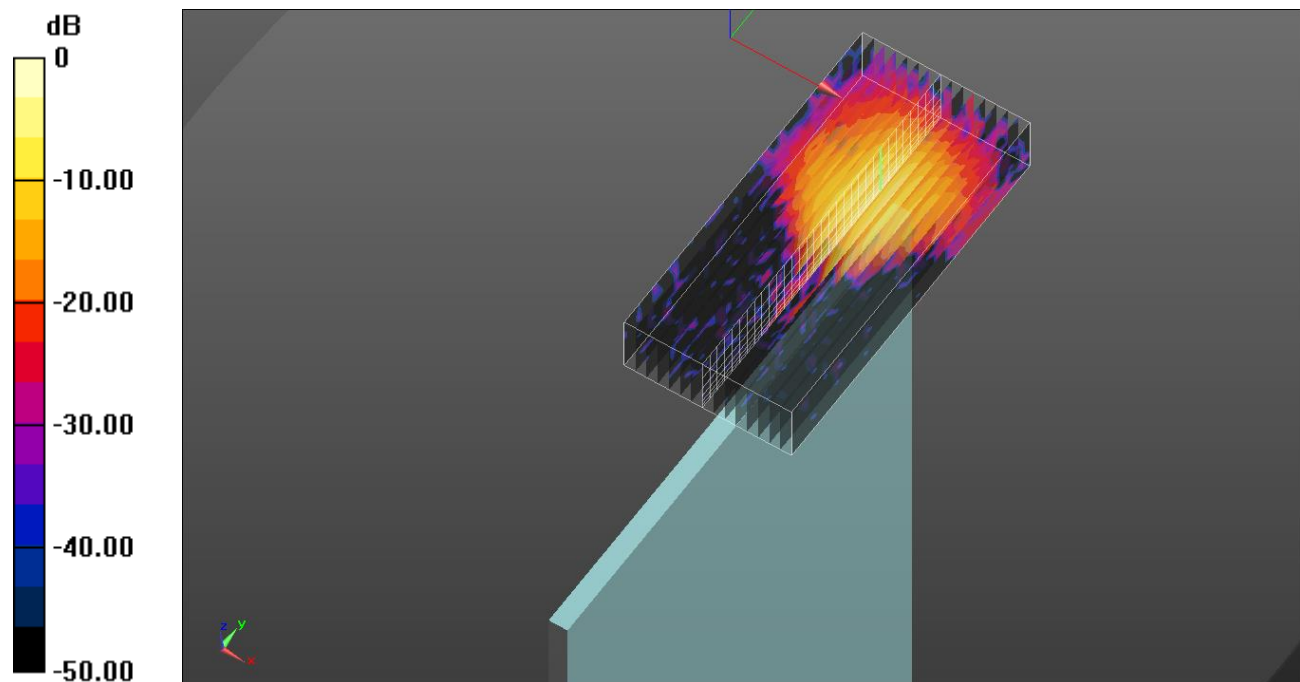
Reference Value = 11.06 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.549 W/kg

SAR(1 g) = 0.121 W/kg; SAR(10 g) = 0.039 W/kg

Total Absorbed Power = 0.000810 W

Maximum value of SAR (measured) = 0.319 W/kg



0 dB = 0.319 W/kg = -4.96 dBW/kg

DTS ANT 1

Frequency: 2437 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.804$ S/m; $\epsilon_r = 37.676$; $\rho = 1000$ 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 Sn1494; Calibrated: 2020-07-23
- Probe: EX3DV4 - SN3871; ConvF(7.59, 7.59, 7.59) @ 2437 MHz; Calibrated: 2020-08-28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Type: QDOVA003AA; Serial: TP:2001

Edge 4/802.11b ch 6 Ant 1/Volume Scan (16x33x7): Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

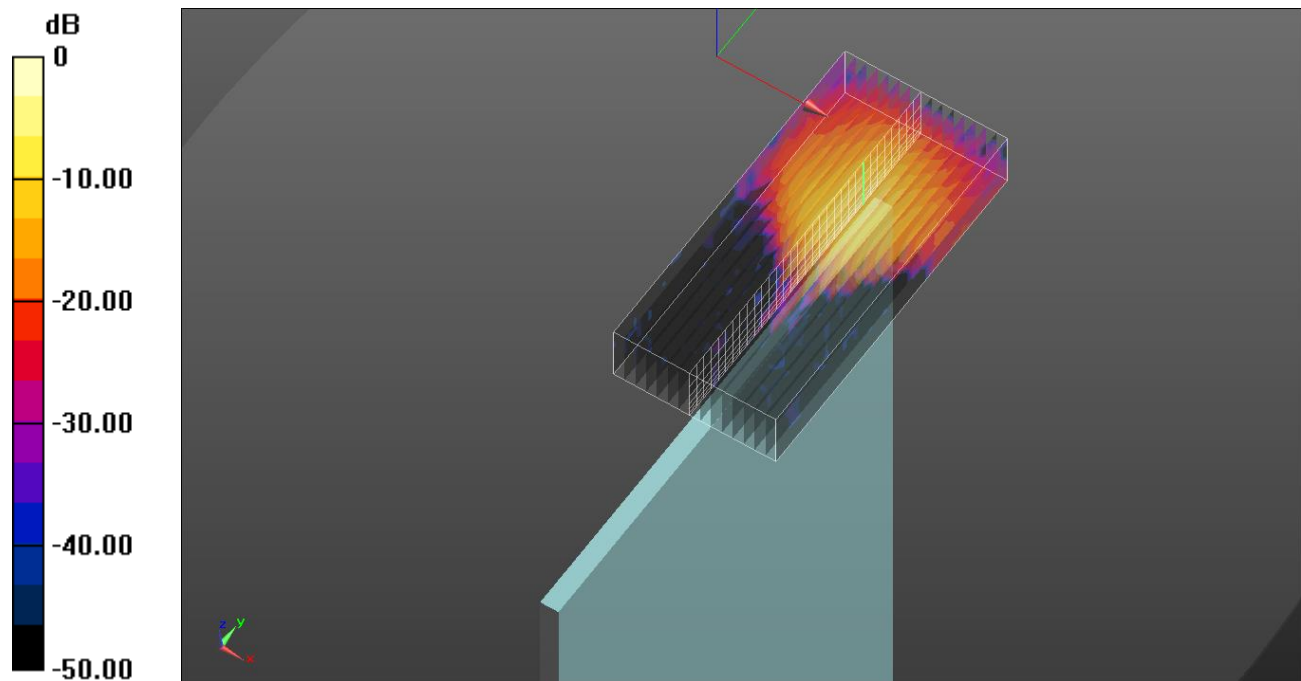
Reference Value = 17.94 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.54 W/kg

SAR(1 g) = 0.324 W/kg; SAR(10 g) = 0.106 W/kg

Total Absorbed Power = 0.00245 W

Maximum value of SAR (measured) = 0.834 W/kg



0 dB = 0.834 W/kg = -0.79 dBW/kg

LTE Band 66 + NR Band n5

Multi-Band Average SAR

Multi-Band Configurations:

DASY Configuration for Rear Max /QPSK RB 50/28_ch 167300 /Volume Scan:

Date/Time: 2021-04-08 Test Laboratory: UL Korea, Ltd. Suwon Laboratory

Communication System: UID 0, LTE (FDD) (0); Frequency: 836.5 MHz; Duty Cycle: 1:1; PMF: 1

Medium: HSL835 Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.908$ S/m; $\epsilon_r = 42.637$; $\rho = 1000$ kg/m³

Phantom section: Flat Section, Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

- Probe: EX3DV4 - SN3871; ConvF(9.83, 9.83, 9.83) @ 836.5 MHz; Calibrated: 2020-08-28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1494; Calibrated: 2020-07-23
- Phantom: ELI v6.0; Type: QDOVA003AA; Serial: TP:2001
- Measurement SW: DASY52, Version 52.10 (3)

DASY Configuration for Rear/QPSK ch.132322 RB 1/49 /Volume Scan:

Date/Time: 2021-04-06 Test Laboratory: UL Korea, Ltd. Suwon Laboratory

Communication System: UID 0, LTE (FDD) (0); Frequency: 1745 MHz; Duty Cycle: 1:1; PMF: 1

Medium: HSL1750 Medium parameters used (interpolated): $f = 1745$ MHz; $\sigma = 1.322$ S/m; $\epsilon_r = 41.179$; $\rho = 1000$ kg/m³

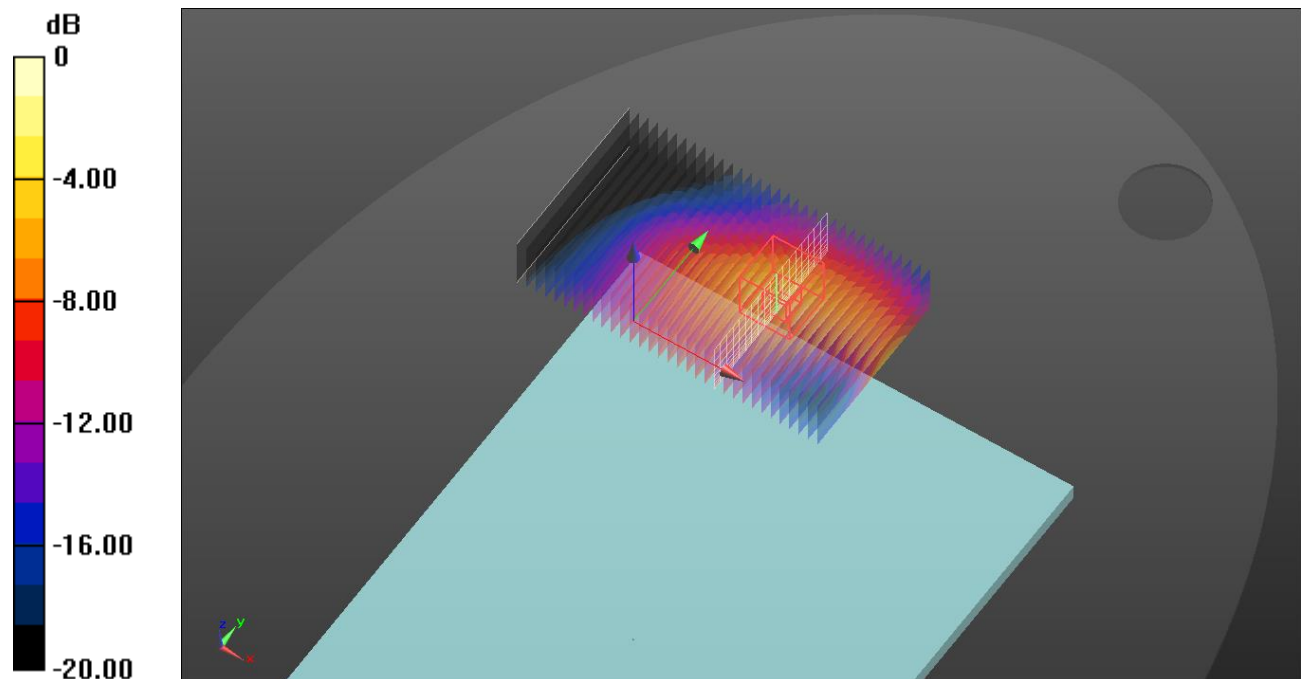
Phantom section: Flat Section, Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

- Probe: EX3DV4 - SN3871; ConvF(8.83, 8.83, 8.83) @ 1745 MHz; Calibrated: 2020-08-28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1494; Calibrated: 2020-07-23
- Phantom: ELI v6.0; Type: QDOVA003AA; Serial: TP:2001
- Measurement SW: DASY52, Version 52.10 (3)

Multi Band Result:

SAR(1 g) = 1.21 W/kg; SAR(10 g) = 0.660 W/kg

Maximum value of SAR (interpolated) = 2.51 W/kg



0 dB = 2.51 W/kg = 4.00 dBW/kg

UNII ANT 1 + Bluetooth

Multi-Band Average SAR

Multi-Band Configurations:

DASY Configuration for Rear/802.11ac 80 mode ch 58 Ant 1/Volume Scan:

Date/Time: 2021-04-08 Test Laboratory: UL Korea, Ltd. Suwon Laboratory

Communication System: UID 0, IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5290 MHz; Duty Cycle: 1:1; PMF: 1
Medium: HSL 3-6 GHz Medium parameters used (interpolated): $f = 5290$ MHz; $\sigma = 4.773$ S/m; $\epsilon_r = 35.43$; $\rho = 1000$ kg/m³
Phantom section: Flat Section, Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

- Probe: EX3DV4 - SN3871; ConvF(5.25, 5.25, 5.25) @ 5290 MHz; Calibrated: 2020-08-28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1494; Calibrated: 2020-07-23
- Phantom: ELI v6.0; Type: QDOVA003AA; Serial: TP:2001
- Measurement SW: DASY52, Version 52.10 (3)

DASY Configuration for Rear/Bluetooth GFSK_ch39 Ant.1/Volume Scan:

Date/Time: 2021-04-06 Test Laboratory: UL Korea, Ltd. Suwon Laboratory

Communication System: UID 0, Bluetooth (DH5) (0); Frequency: 2441 MHz; Duty Cycle: 1:1.29033; PMF: 1
Medium: HSL2450 Medium parameters used (interpolated): $f = 2441$ MHz; $\sigma = 1.769$ S/m; $\epsilon_r = 40.252$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

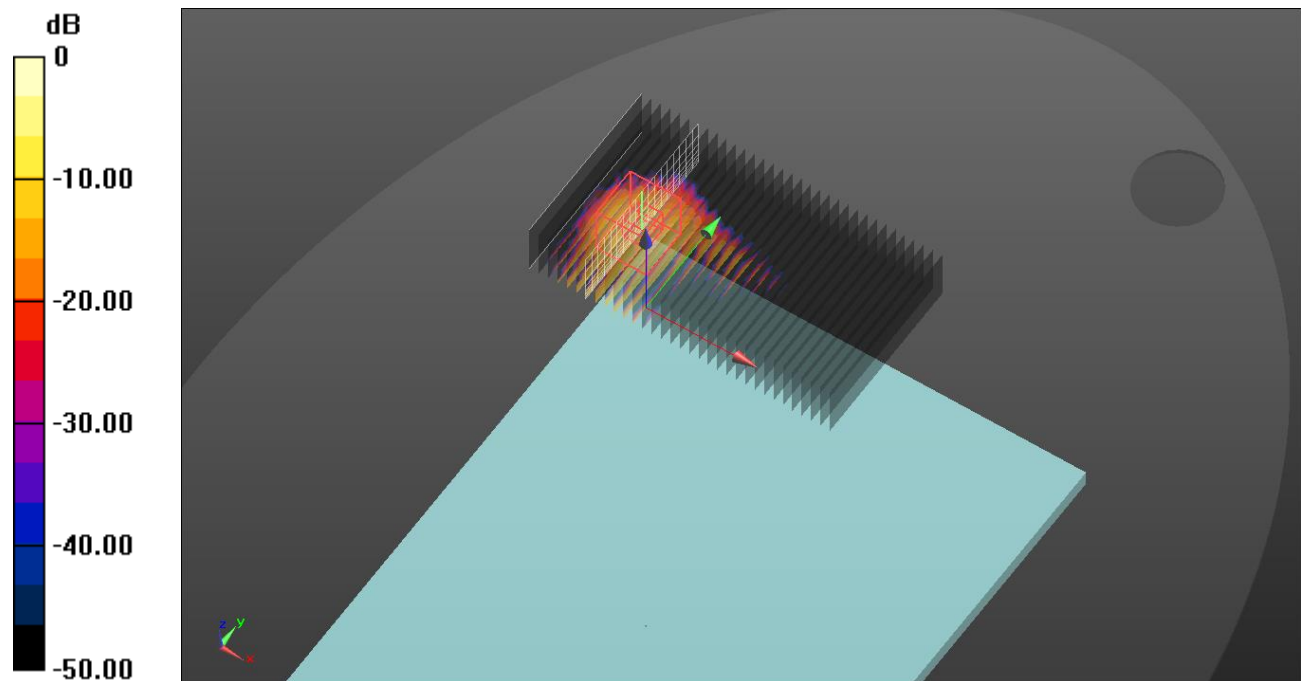
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

- Probe: EX3DV4 - SN3871; ConvF(7.59, 7.59, 7.59) @ 2441 MHz; Calibrated: 2020-08-28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1494; Calibrated: 2020-07-23
- Phantom: ELI v6.0; Type: QDOVA003AA; Serial: TP:2001
- Measurement SW: DASY52, Version 52.10 (3)

Multi Band Result:

SAR(1 g) = 1.01 W/kg; SAR(10 g) = 0.329 W/kg

Maximum value of SAR (interpolated) = 4.15 W/kg



0 dB = 4.15 W/kg = 6.18 dBW/kg

LTE Band 66 + NR Band n5 + UNII ANT 1 + Bluetooth

Multi-Band Average SAR Multi-Band Configurations:

DASY Configuration for Rear Max 19mm/QPSK RB 50/28_ch 167300 /Volume Scan:

Date/Time: 2021-04-08 Test Laboratory: UL Korea, Ltd. Suwon Laboratory
Communication System: UID 0, LTE (FDD) (0); Frequency: 836.5 MHz; Duty Cycle: 1:1; PMF: 1
Medium: HSL835 Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.908$ S/m; $\epsilon_r = 42.637$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

- Probe: EX3DV4 - SN3871; ConvF(9.83, 9.83, 9.83) @ 836.5 MHz; Calibrated: 2020-08-28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1494; Calibrated: 2020-07-23
- Phantom: ELI v6.0; Type: QDOVA003AA; Serial: TP:2001
- Measurement SW: DASY52, Version 52.10 (3)

DASY Configuration for Rear/QPSK ch.132322 RB 1/49 /Volume Scan:

Date/Time: 2021-04-06 Test Laboratory: UL Korea, Ltd. Suwon Laboratory
Communication System: UID 0, LTE (FDD) (0); Frequency: 1745 MHz; Duty Cycle: 1:1; PMF: 1
Medium: HSL1750 Medium parameters used (interpolated): $f = 1745$ MHz; $\sigma = 1.322$ S/m; $\epsilon_r = 41.179$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

- Probe: EX3DV4 - SN3871; ConvF(8.83, 8.83, 8.83) @ 1745 MHz; Calibrated: 2020-08-28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1494; Calibrated: 2020-07-23
- Phantom: ELI v6.0; Type: QDOVA003AA; Serial: TP:2001
- Measurement SW: DASY52, Version 52.10 (3)

DASY Configuration for Rear/Bluetooth GFSK_ch39 Ant.1/Volume Scan:

Date/Time: 2021-04-06 Test Laboratory: UL Korea, Ltd. Suwon Laboratory
Communication System: UID 0, Bluetooth (DH5) (0); Frequency: 2441 MHz; Duty Cycle: 1:1.29033; PMF: 1
Medium: HSL2450 Medium parameters used (interpolated): $f = 2441$ MHz; $\sigma = 1.769$ S/m; $\epsilon_r = 40.252$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

- Probe: EX3DV4 - SN3871; ConvF(7.59, 7.59, 7.59) @ 2441 MHz; Calibrated: 2020-08-28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1494; Calibrated: 2020-07-23
- Phantom: ELI v6.0; Type: QDOVA003AA; Serial: TP:2001
- Measurement SW: DASY52, Version 52.10 (3)

DASY Configuration for Rear/802.11ac 80 mode ch 58 Ant 1/Volume Scan:

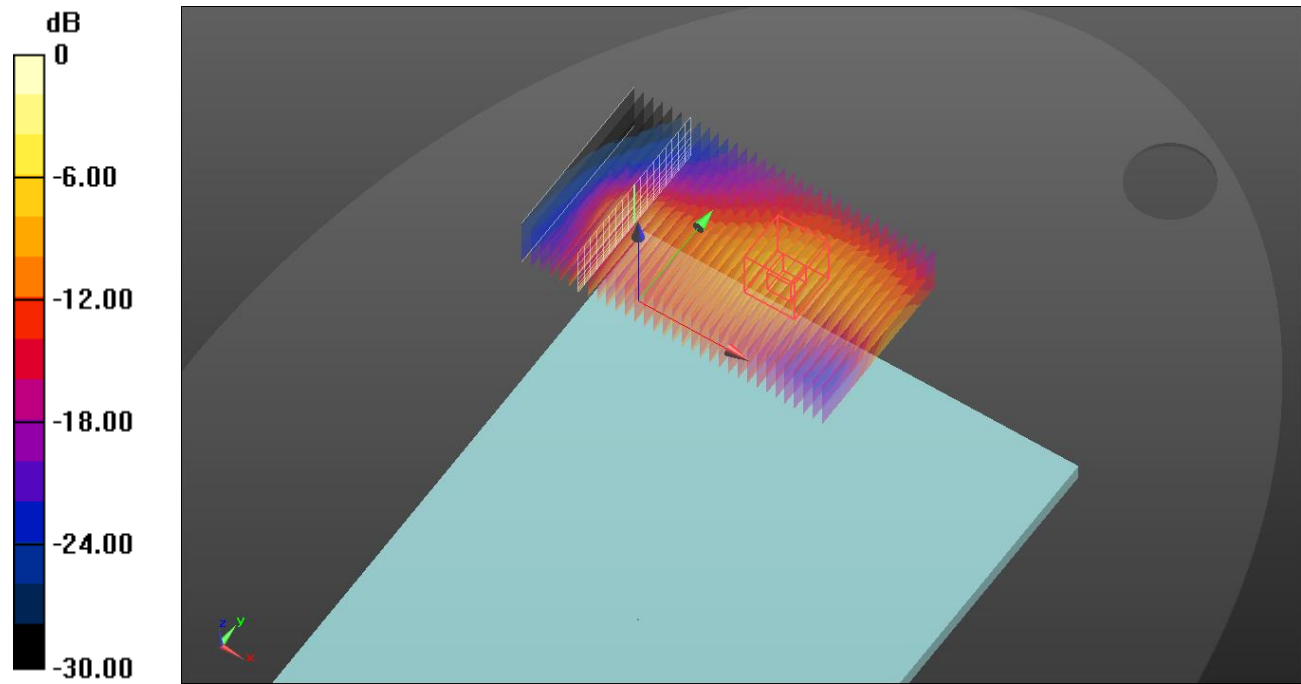
Date/Time: 2021-04-08 Test Laboratory: UL Korea, Ltd. Suwon Laboratory
Communication System: UID 0, IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5290 MHz; Duty Cycle: 1:1; PMF: 1
Medium: HSL 3-6 GHz Medium parameters used (interpolated): $f = 5290$ MHz; $\sigma = 4.773$ S/m; $\epsilon_r = 35.43$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

- Probe: EX3DV4 - SN3871; ConvF(5.25, 5.25, 5.25) @ 5290 MHz; Calibrated: 2020-08-28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1494; Calibrated: 2020-07-23
- Phantom: ELI v6.0; Type: QDOVA003AA; Serial: TP:2001
- Measurement SW: DASY52, Version 52.10 (3)

Multi Band Result:

SAR(1 g) = 1.21 W/kg; SAR(10 g) = 0.660 W/kg

Maximum value of SAR (interpolated) = 4.62 W/kg



0 dB = 4.62 W/kg = 6.65 dBW/kg

LTE Band 66 + NR Band n5

Multi-Band Average SAR Multi-Band Configurations:

DASY Configuration for Edge 1/QPSK RB 50/28_ch 167300/Volume Scan :

Date/Time: 2021-04-09 Test Laboratory: UL Korea, Ltd. Suwon Laboratory
Communication System: UID 0, LTE (FDD) (0); Frequency: 836.5 MHz; Duty Cycle: 1:1; PMF: 1
Medium: HSL835 Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.891$ S/m; $\epsilon_r = 40.606$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

- Probe: EX3DV4 - SN3871; ConvF(9.83, 9.83, 9.83) @ 836.5 MHz; Calibrated: 2020-08-28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1494; Calibrated: 2020-07-23
- Phantom: ELI v6.0; Type: QDOVA003AA; Serial: TP:2001
- Measurement SW: DASY52, Version 52.10 (3)

DASY Configuration for Edge 1/QPSK ch.132322 RB 100/0 /Volume Scan:

Date/Time: 2021-04-07 Test Laboratory: UL Korea, Ltd. Suwon Laboratory
Communication System: UID 0, LTE (FDD) (0); Frequency: 1745 MHz; Duty Cycle: 1:1; PMF: 1
Medium: HSL835 Medium parameters used (interpolated): $f = 1745$ MHz; $\sigma = 1.322$ S/m; $\epsilon_r = 41.179$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

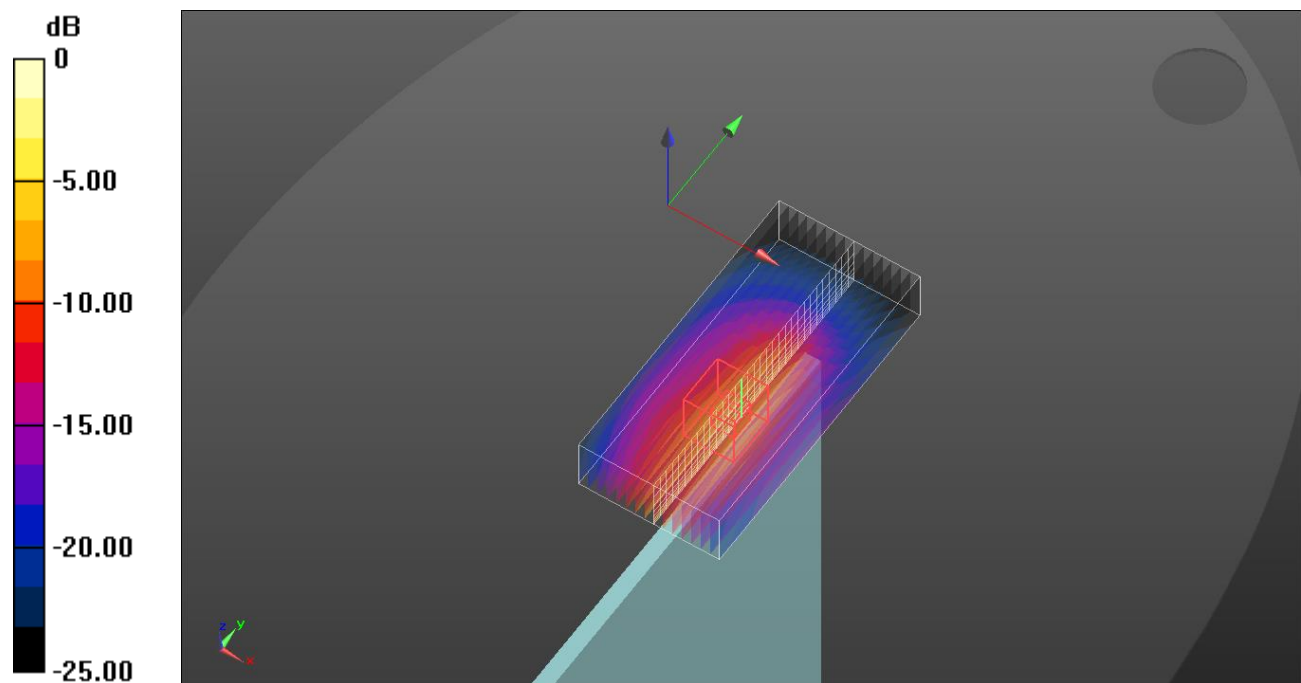
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

- Probe: EX3DV4 - SN3871; ConvF(8.83, 8.83, 8.83) @ 1745 MHz; Calibrated: 2020-08-28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1494; Calibrated: 2020-07-23
- Phantom: ELI v6.0; Type: QDOVA003AA; Serial: TP:2001
- Measurement SW: DASY52, Version 52.10 (3)

Multi Band Result:

SAR(1 g) = 1.59 W/kg; SAR(10 g) = 0.717 W/kg

Maximum value of SAR (interpolated) = 5.52 W/kg



0 dB = 5.52 W/kg = 7.42 dBW/kg

UNII ANT 1 + Bluetooth

Multi-Band Average SAR Multi-Band Configurations:

DASY Configuration for Edge 1/Bluetooth GFSK_ch39 Ant.1 /Volume Scan:

Date/Time: 2021-04-07 Test Laboratory: UL Korea, Ltd. Suwon Laboratory
Communication System: UID 0, Bluetooth (DH5) (0); Frequency: 2441 MHz; Duty Cycle: 1:1.29033; PMF: 1
Medium: HSL2450 Medium parameters used (interpolated): $f = 2441$ MHz; $\sigma = 1.769$ S/m; $\epsilon_r = 40.252$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

- Probe: EX3DV4 - SN3871; ConvF(7.59, 7.59, 7.59) @ 2441 MHz; Calibrated: 2020-08-28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1494; Calibrated: 2020-07-23
- Phantom: ELI v6.0; Type: QDOVA003AA; Serial: TP:2001
- Measurement SW: DASY52, Version 52.10 (3)

DASY Configuration for Edge 1/802.11ac VHT80 mode ch 106 Ant 1/Volume Scan:

Date/Time: 2021-04-08 Test Laboratory: UL Korea, Ltd. Suwon Laboratory
Communication System: UID 0, IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5775 MHz; Duty Cycle: 1:1; PMF: 1
Medium: HSL 3-6 GHz Medium parameters used: $f = 5775$ MHz; $\sigma = 5.31$ S/m; $\epsilon_r = 34.418$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

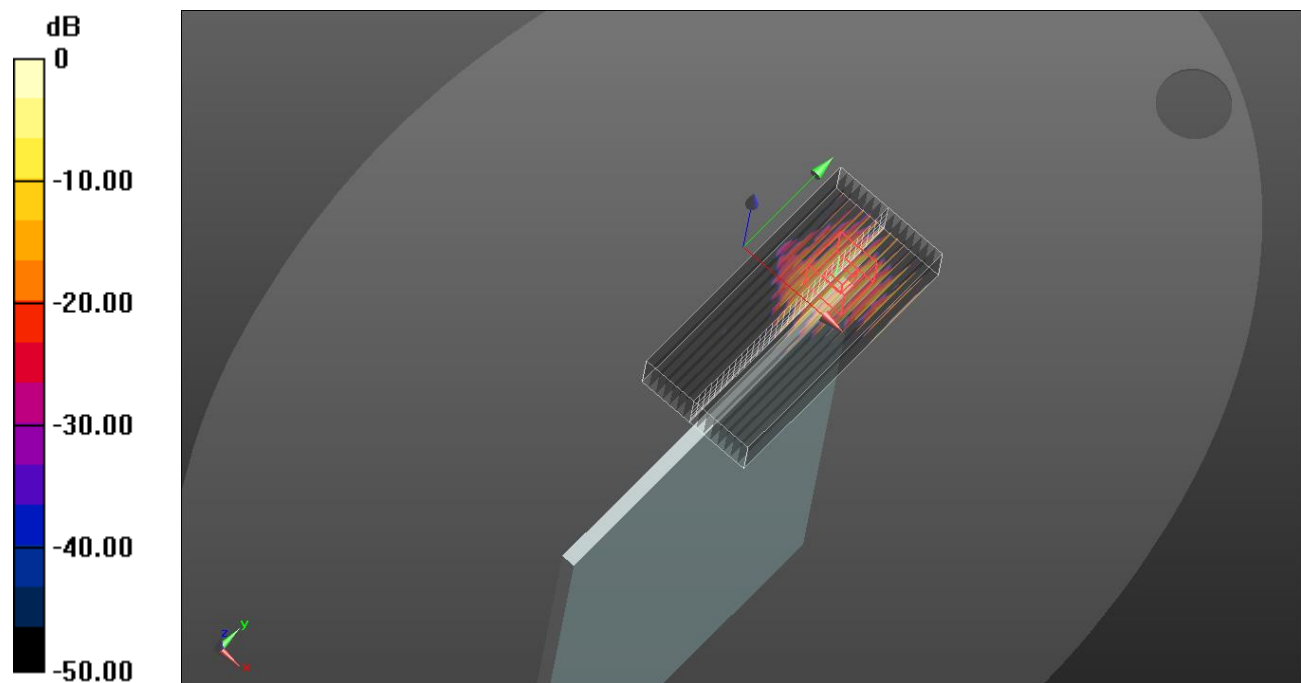
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

- Probe: EX3DV4 - SN3871; ConvF(4.94, 4.94, 4.94) @ 5775 MHz; Calibrated: 2020-08-28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1494; Calibrated: 2020-07-23
- Phantom: ELI v6.0; Type: QDOVA003AA; Serial: TP:2001
- Measurement SW: DASY52, Version 52.10 (3)

Multi Band Result:

SAR(1 g) = 0.463 W/kg; SAR(10 g) = 0.132 W/kg

Maximum value of SAR (interpolated) = 1.74 W/kg



0 dB = 1.74 W/kg = 2.41 dBW/kg

LTE Band 66 + NR Band n5 + DTS ANT 1

Multi-Band Average SAR Multi-Band Configurations:

DASY Configuration for Edge 1/QPSK ch.132322 RB 100/0 /Volume Scan:

Date/Time: 2021-04-07 Test Laboratory: UL Korea, Ltd. Suwon Laboratory

Communication System: UID 0, LTE (FDD) (0); Frequency: 1745 MHz; Duty Cycle: 1:1; PMF: 1

Medium: HSL835 Medium parameters used (interpolated): $f = 1745$ MHz; $\sigma = 1.322$ S/m; $\epsilon_r = 41.179$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

- Probe: EX3DV4 - SN3871; ConvF(8.83, 8.83, 8.83) @ 1745 MHz; Calibrated: 2020-08-28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1494; Calibrated: 2020-07-23
- Phantom: ELI v6.0; Type: QDOVA003AA; Serial: TP:2001
- Measurement SW: DASY52, Version 52.10 (3)

DASY Configuration for Edge 1 /QPSK RB 50/28_ch 167300/Volume Scan :

Date/Time: 2021-04-09 Test Laboratory: UL Korea, Ltd. Suwon Laboratory

Communication System: UID 0, LTE (FDD) (0); Frequency: 836.5 MHz; Duty Cycle: 1:1; PMF: 1

Medium: HSL835 Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.891$ S/m; $\epsilon_r = 40.606$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

- Probe: EX3DV4 - SN3871; ConvF(9.83, 9.83, 9.83) @ 836.5 MHz; Calibrated: 2020-08-28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1494; Calibrated: 2020-07-23
- Phantom: ELI v6.0; Type: QDOVA003AA; Serial: TP:2001
- Measurement SW: DASY52, Version 52.10 (3)

DASY Configuration for Edge 1/802.11b ch 6 Ant 1/Volume Scan:

Date/Time: 2021-04-15 Test Laboratory: UL Korea, Ltd. Suwon Laboratory

Communication System: UID 0, IEEE 802.11b/g/n 2.4 GHz Band (0); Frequency: 2437 MHz; Duty Cycle: 1:1; PMF: 1

Medium: 2.4GHz Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.804$ S/m; $\epsilon_r = 37.676$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

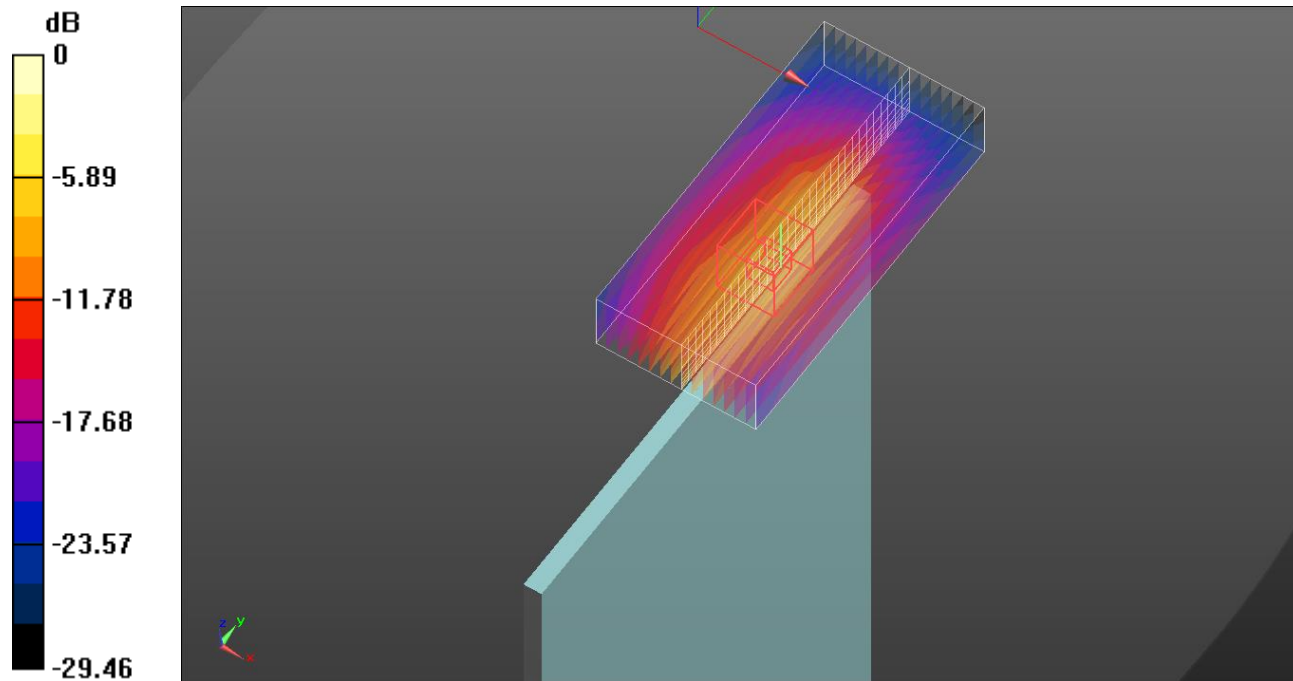
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

- Probe: EX3DV4 - SN3871; ConvF(7.59, 7.59, 7.59) @ 2437 MHz; Calibrated: 2020-08-28
 - Sensor-Surface: 1.4mm (Mechanical Surface Detection)
 - Electronics: DAE4 Sn1494; Calibrated: 2020-07-23
 - Phantom: ELI v6.0; Type: QDOVA003AA; Serial: TP:2001
 - Measurement SW: DASY52, Version 52.10 (3)
-

Multi Band Result:

SAR(1 g) = 1.58 W/kg; SAR(10 g) = 0.716 W/kg

Maximum value of SAR (interpolated) = 5.44 W/kg\



0 dB = 5.44 W/kg = 7.36 dBW/kg

LTE Band 66 + NR Band n5 +Bluetooth

Multi-Band Average SAR Multi-Band Configurations:

DASY Configuration for Edge 1/QPSK ch.132322 RB 100/0 /Volume Scan:

Date/Time: 2021-04-07 Test Laboratory: UL Korea, Ltd. Suwon Laboratory

Communication System: UID 0, LTE (FDD) (0); Frequency: 1745 MHz; Duty Cycle: 1:1; PMF: 1

Medium: HSL835 Medium parameters used (interpolated): $f = 1745$ MHz; $\sigma = 1.322$ S/m; $\epsilon_r = 41.179$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

- Probe: EX3DV4 - SN3871; ConvF(8.83, 8.83, 8.83) @ 1745 MHz; Calibrated: 2020-08-28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1494; Calibrated: 2020-07-23
- Phantom: ELI v6.0; Type: QDOVA003AA; Serial: TP:2001
- Measurement SW: DASY52, Version 52.10 (3)

DASY Configuration for Edge 1 /QPSK RB 50/28_ch 167300/Volume Scan :

Date/Time: 2021-04-09 Test Laboratory: UL Korea, Ltd. Suwon Laboratory

Communication System: UID 0, LTE (FDD) (0); Frequency: 836.5 MHz; Duty Cycle: 1:1; PMF: 1

Medium: HSL835 Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.891$ S/m; $\epsilon_r = 40.606$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

- Probe: EX3DV4 - SN3871; ConvF(9.83, 9.83, 9.83) @ 836.5 MHz; Calibrated: 2020-08-28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1494; Calibrated: 2020-07-23
- Phantom: ELI v6.0; Type: QDOVA003AA; Serial: TP:2001
- Measurement SW: DASY52, Version 52.10 (3)

DASY Configuration for Edge 1/Bluetooth GFSK_ch39 Ant.1 Reduce/Volume Scan:

Date/Time: 2021-04-07 Test Laboratory: UL Korea, Ltd. Suwon Laboratory

Communication System: UID 0, Bluetooth (DH5) (0); Frequency: 2441 MHz; Duty Cycle: 1:1.29033; PMF: 1

Medium: HSL2450 Medium parameters used (interpolated): $f = 2441$ MHz; $\sigma = 1.769$ S/m; $\epsilon_r = 40.252$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

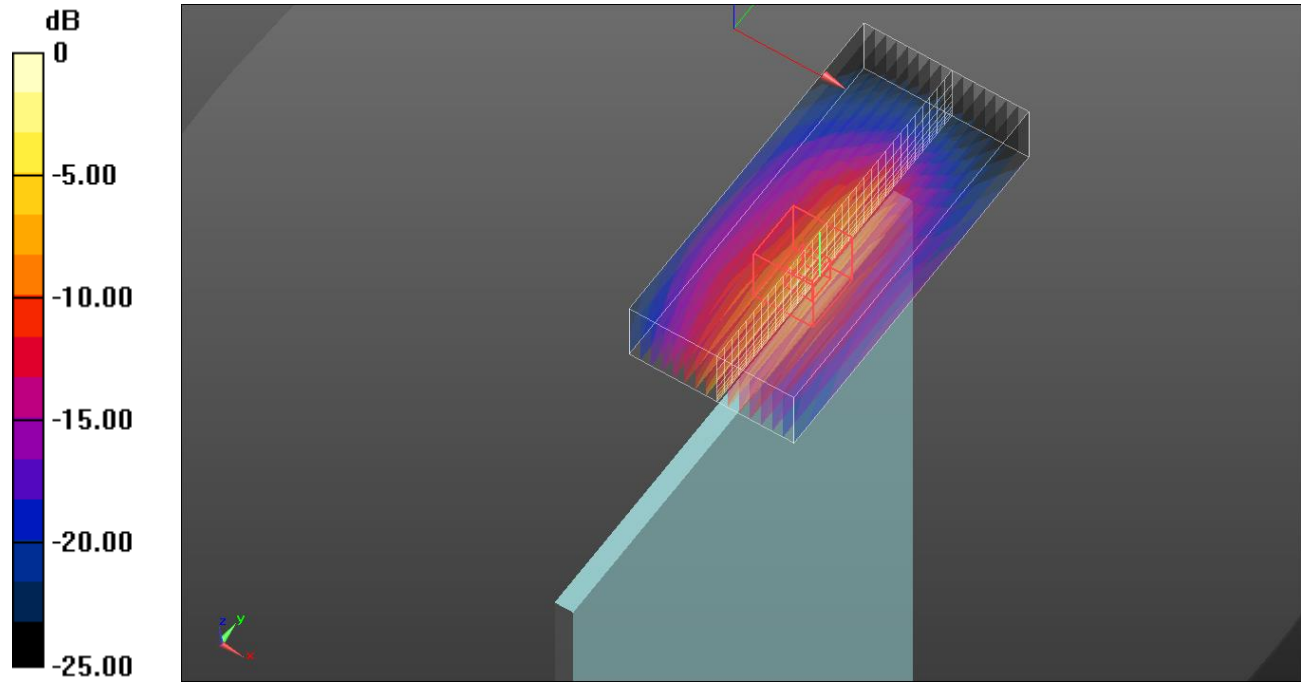
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

- Probe: EX3DV4 - SN3871; ConvF(7.59, 7.59, 7.59) @ 2441 MHz; Calibrated: 2020-08-28
 - Sensor-Surface: 1.4mm (Mechanical Surface Detection)
 - Electronics: DAE4 Sn1494; Calibrated: 2020-07-23
 - Phantom: ELI v6.0; Type: QDOVA003AA; Serial: TP:2001
 - Measurement SW: DASY52, Version 52.10 (3)
-

Multi Band Result:

SAR(1 g) = 1.58 W/kg; SAR(10 g) = 0.715 W/kg

Maximum value of SAR (interpolated) = 5.40 W/kg



0 dB = 5.40 W/kg = 7.32 dBW/kg

LTE Band 66 + NR Band n5 + UNII ANT 1 + Bluetooth

Multi-Band Average SAR Multi-Band Configurations:

DASY Configuration for Edge 1/QPSK ch.132322 RB 100/0 /Volume Scan:

Date/Time: 2021-04-07 Test Laboratory: UL Korea, Ltd. Suwon Laboratory

Communication System: UID 0, LTE (FDD) (0); Frequency: 1745 MHz; Duty Cycle: 1:1; PMF: 1

Medium: HSL835 Medium parameters used (interpolated): $f = 1745$ MHz; $\sigma = 1.322$ S/m; $\epsilon_r = 41.179$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

- Probe: EX3DV4 - SN3871; ConvF(8.83, 8.83, 8.83) @ 1745 MHz; Calibrated: 2020-08-28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1494; Calibrated: 2020-07-23
- Phantom: ELI v6.0; Type: QDOVA003AA; Serial: TP:2001
- Measurement SW: DASY52, Version 52.10 (3)

DASY Configuration for Edge 1 /QPSK RB 50/28_ch 167300/Volume Scan :

Date/Time: 2021-04-09 Test Laboratory: UL Korea, Ltd. Suwon Laboratory

Communication System: UID 0, LTE (FDD) (0); Frequency: 836.5 MHz; Duty Cycle: 1:1; PMF: 1

Medium: HSL835 Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.891$ S/m; $\epsilon_r = 40.606$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

- Probe: EX3DV4 - SN3871; ConvF(9.83, 9.83, 9.83) @ 836.5 MHz; Calibrated: 2020-08-28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1494; Calibrated: 2020-07-23
- Phantom: ELI v6.0; Type: QDOVA003AA; Serial: TP:2001
- Measurement SW: DASY52, Version 52.10 (3)

DASY Configuration for Edge 4/Bluetooth GFSK_ch39 Ant.1 Reduce/Volume Scan:

Date/Time: 2021-04-07 Test Laboratory: UL Korea, Ltd. Suwon Laboratory

Communication System: UID 0, Bluetooth (DH5) (0); Frequency: 2441 MHz; Duty Cycle: 1:1.29033; PMF: 1

Medium: HSL2450 Medium parameters used (interpolated): $f = 2441$ MHz; $\sigma = 1.769$ S/m; $\epsilon_r = 40.252$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

- Probe: EX3DV4 - SN3871; ConvF(7.59, 7.59, 7.59) @ 2441 MHz; Calibrated: 2020-08-28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1494; Calibrated: 2020-07-23
- Phantom: ELI v6.0; Type: QDOVA003AA; Serial: TP:2001
- Measurement SW: DASY52, Version 52.10 (3)

DASY Configuration for Edge 1/802.11ac VHT80 mode ch 106 Ant 1/Volume Scan:

Date/Time: 2021-04-08 Test Laboratory: UL Korea, Ltd. Suwon Laboratory

Communication System: UID 0, IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5775 MHz; Duty Cycle: 1:1; PMF: 1

Medium: HSL 3-6 GHz Medium parameters used: $f = 5775$ MHz; $\sigma = 5.31$ S/m; $\epsilon_r = 34.418$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

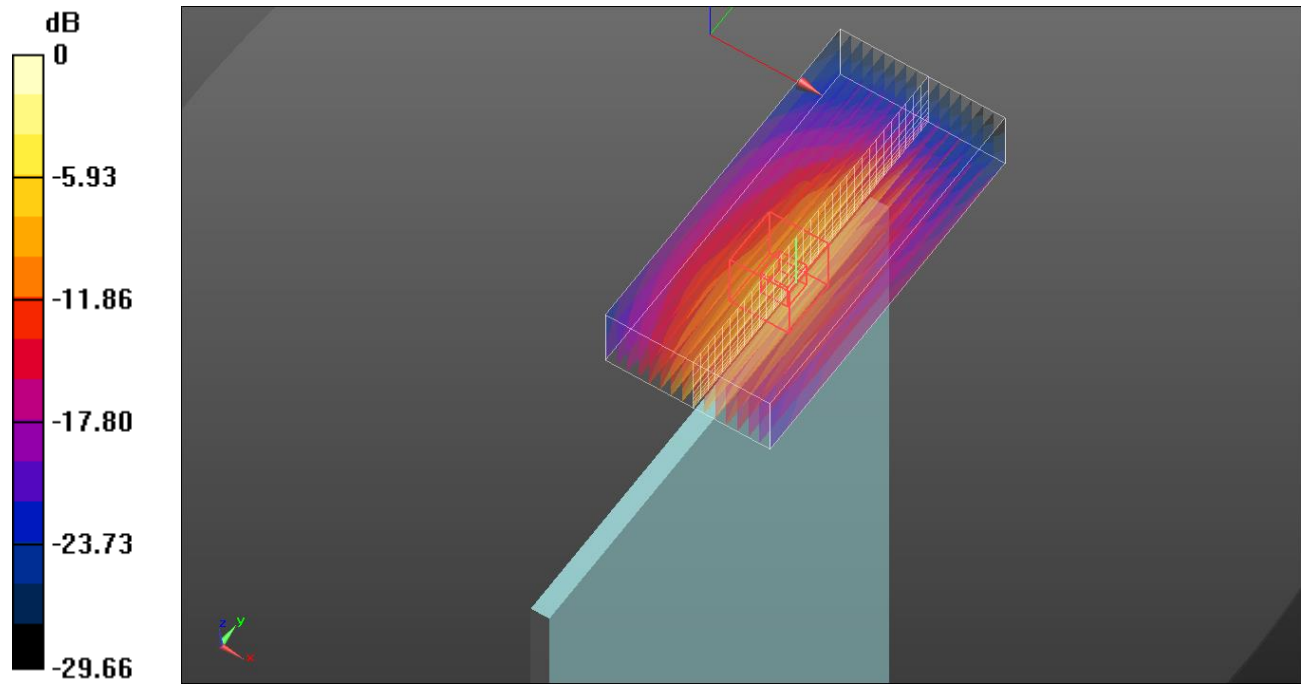
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

- Probe: EX3DV4 - SN3871; ConvF(4.94, 4.94, 4.94) @ 5775 MHz; Calibrated: 2020-08-28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1494; Calibrated: 2020-07-23
- Phantom: ELI v6.0; Type: QDOVA003AA; Serial: TP:2001
- Measurement SW: DASY52, Version 52.10 (3)

Multi Band Result:

SAR(1 g) = 1.58 W/kg; SAR(10 g) = 0.717 W/kg

Maximum value of SAR (interpolated) = 5.69 W/kg



0 dB = 5.69 W/kg = 7.55 dBW/kg