Appendix C – Highest Test Plots

Appendix C – Highest Test Plots

Date: 2024/10/24

3_WLAN2.4G_802.11b_Bottom of laptop_0mm_Ch6_ANT 1_Sample 1

DUT: FX707

Communication System: UID 0, IEEE 802.11n(2.4GHz) (0); Frequency: 2437 MHz;Duty Cycle: 1:1.002
Medium parameters used: f = 2437 MHz; σ = 1.761 S/m; ε_r = 39.094; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3847; ConvF(7.17, 7.17, 7.17) @ 2437 MHz; Calibrated: 2024/2/21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1253; Calibrated: 2024/4/22
- Phantom: ELI; Type: QD OVA 002 AA; Serial: 1175
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (71x71x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.615 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
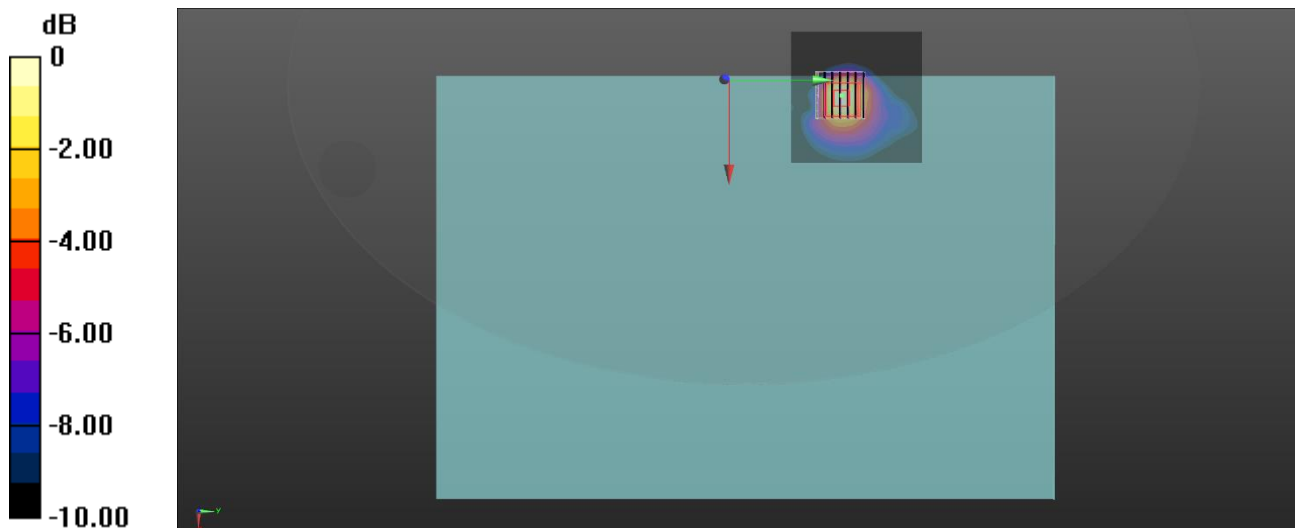Reference Value = 15.98 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 0.711 W/kg
SAR(1 g) = 0.384 W/kg; SAR(10 g) = 0.193 W/kg
Smallest distance from peaks to all points 3 dB below = 11.7 mm
Ratio of SAR at M2 to SAR at M1 = 54.7%
Maximum value of SAR (measured) = 0.591 W/kg

0 dB = 0.591 W/kg = -2.28 dBW/kg

Date: 2024/10/25

16_WLAN5.3G_802.11ac VHT160_Front edge of laptop_0mm_Ch50_ANT 1_Sample 1

DUT: FX707
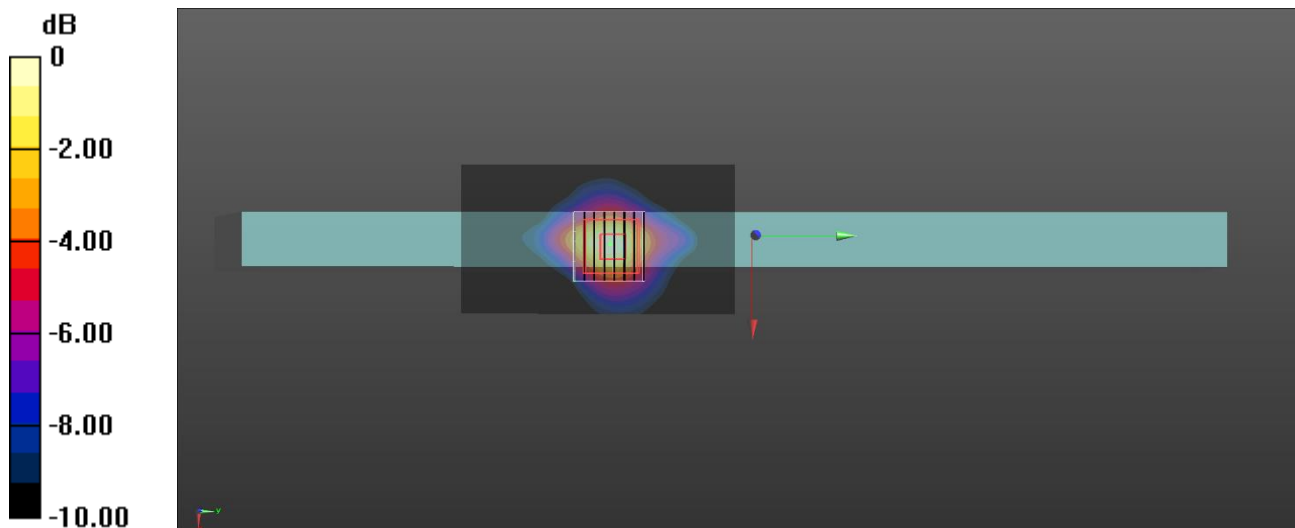
Communication System: UID 0, IEEE 802.11ac(5GHz)VHT160 (0); Frequency: 5250 MHz;Duty Cycle: 1:1.018
Medium parameters used: f = 5250 MHz; σ = 4.662 S/m; ε_r = 36.062; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3847; ConvF(5.35, 5.35, 5.35) @ 5250 MHz; Calibrated: 2024/2/21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1253; Calibrated: 2024/4/22
- Phantom: ELI; Type: QD OVA 002 AA; Serial: 1175
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (61x111x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.952 W/kg

Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 13.60 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 1.66 W/kg
SAR(1 g) = 0.449 W/kg; SAR(10 g) = 0.166 W/kg
Smallest distance from peaks to all points 3 dB below = 9.6 mm
Ratio of SAR at M2 to SAR at M1 = 64%
Maximum value of SAR (measured) = 0.976 W/kg

0 dB = 0.976 W/kg = -0.11 dBW/kg

Date: 2024/10/25

25_WLAN5.6G_802.11ac VHT160_Front edge of laptop_0mm_Ch114_ANT 1_Sample 1

DUT: FX707

Communication System: UID 0, IEEE 802.11ac(5GHz)VHT160 (0); Frequency: 5570 MHz;Duty Cycle: 1:1.018
Medium parameters used: f = 5570 MHz; σ = 4.992 S/m; ε_r = 35.694; ρ = 1000 kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3847; ConvF(4.66, 4.66, 4.66) @ 5570 MHz; Calibrated: 2024/2/21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1253; Calibrated: 2024/4/22
- Phantom: ELI; Type: QD OVA 002 AA; Serial: 1175
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (61x111x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.07 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
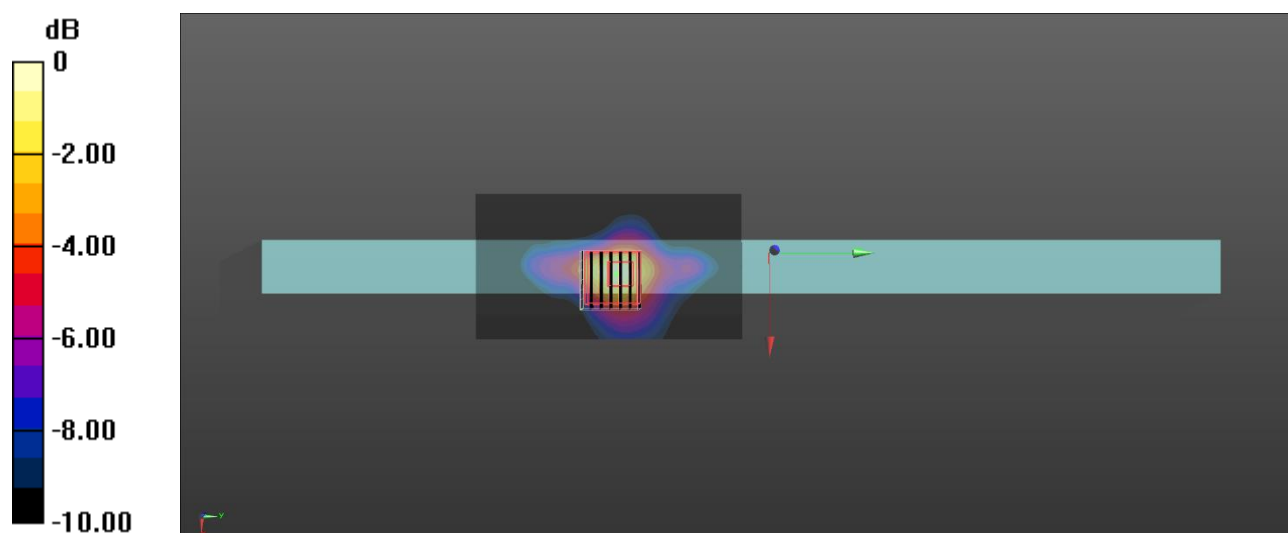Reference Value = 16.20 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 1.94 W/kg
SAR(1 g) = 0.465 W/kg; SAR(10 g) = 0.164 W/kg
Smallest distance from peaks to all points 3 dB below = 8.4 mm
Ratio of SAR at M2 to SAR at M1 = 60.9%
Maximum value of SAR (measured) = 1.08 W/kg

0 dB = 1.08 W/kg = 0.33 dBW/kg

Date: 2024/10/25

44_WLAN5.8G_802.11ac VHT160_Front edge of laptop_0mm_Ch163_ANT 1_Sample 1

DUT: FX707

Communication System: UID 0, IEEE 802.11ac(5GHz)VHT160 (0); Frequency: 5815 MHz;Duty Cycle: 1:1.018
Medium parameters used: f = 5815 MHz; σ = 5.252 S/m; ε_r = 35.231; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3847; ConvF(4.79, 4.79, 4.79) @ 5815 MHz; Calibrated: 2024/2/21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1253; Calibrated: 2024/4/22
- Phantom: ELI; Type: QD OVA 002 AA; Serial: 1175
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (61x111x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.898 W/kg

Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 13.56 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 1.73 W/kg
SAR(1 g) = 0.393 W/kg; SAR(10 g) = 0.146 W/kg
Smallest distance from peaks to all points 3 dB below = 8.9 mm
Ratio of SAR at M2 to SAR at M1 = 60.8%
Maximum value of SAR (measured) = 0.921 W/kg

0 dB = 0.921 W/kg = -0.36 dBW/kg
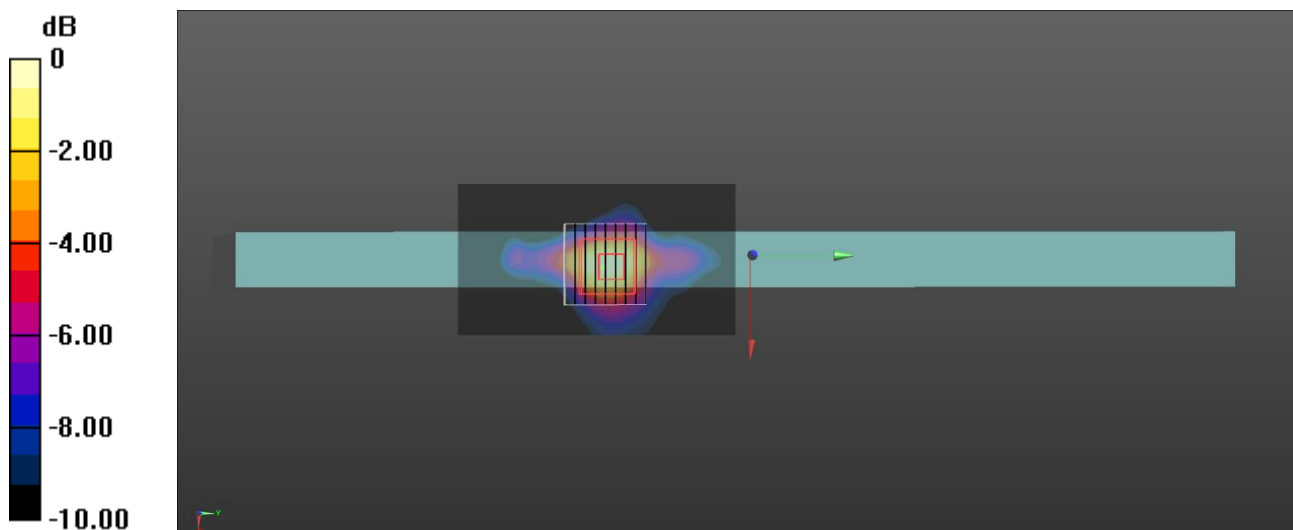
Date: 2024/10/24

**61_Bluetooth_GFSK_Bottom of laptop_0mm_Ch78_ANT 1_Sample 1**

DUT: FX707

Communication System: UID 0, Bluetooth 3.0 (0); Frequency: 2480 MHz;Duty Cycle: 1:1.302
Medium parameters used: f = 2480 MHz; σ = 1.796 S/m; ε_r = 39.042; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3847; ConvF(7.17, 7.17, 7.17) @ 2480 MHz; Calibrated: 2024/2/21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1253; Calibrated: 2024/4/22
- Phantom: ELI; Type: QD OVA 002 AA; Serial: 1175
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (71x71x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.186 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.761 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 0.224 W/kg
SAR(1 g) = 0.121 W/kg; SAR(10 g) = 0.061 W/kg
Smallest distance from peaks to all points 3 dB below = 11.4 mm
Ratio of SAR at M2 to SAR at M1 = 55.2%
Maximum value of SAR (measured) = 0.189 W/kg

0 dB = 0.189 W/kg = -7.24 dBW/kg
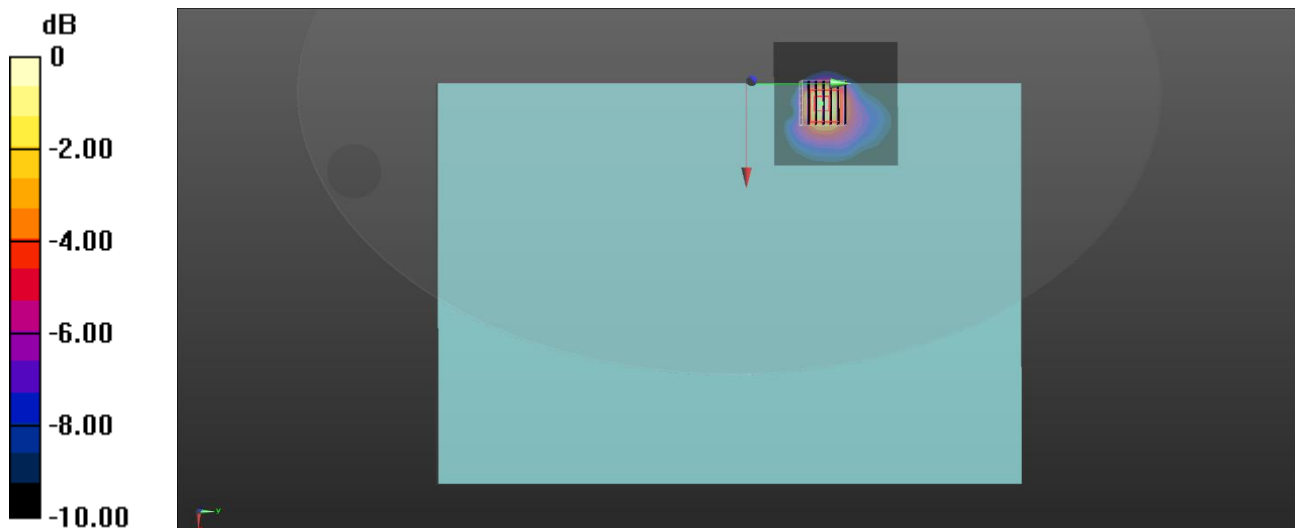
Date: 2024/10/24

71_WLAN2.4G_802.11b_Top Side of the keyboard_0mm_Ch1_ANT 1_Sample 1

DUT: FX707

Communication System: UID 0, IEEE 802.11b (0); Frequency: 2412 MHz;Duty Cycle: 1:1.002
Medium parameters used: f = 2412 MHz; σ = 1.741 S/m; ε_r = 39.119; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3847; ConvF(7.17, 7.17, 7.17) @ 2412 MHz; Calibrated: 2024/2/21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1253; Calibrated: 2024/4/22
- Phantom: ELI; Type: QD OVA 002 AA; Serial: 1175
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (61x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 3.52 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
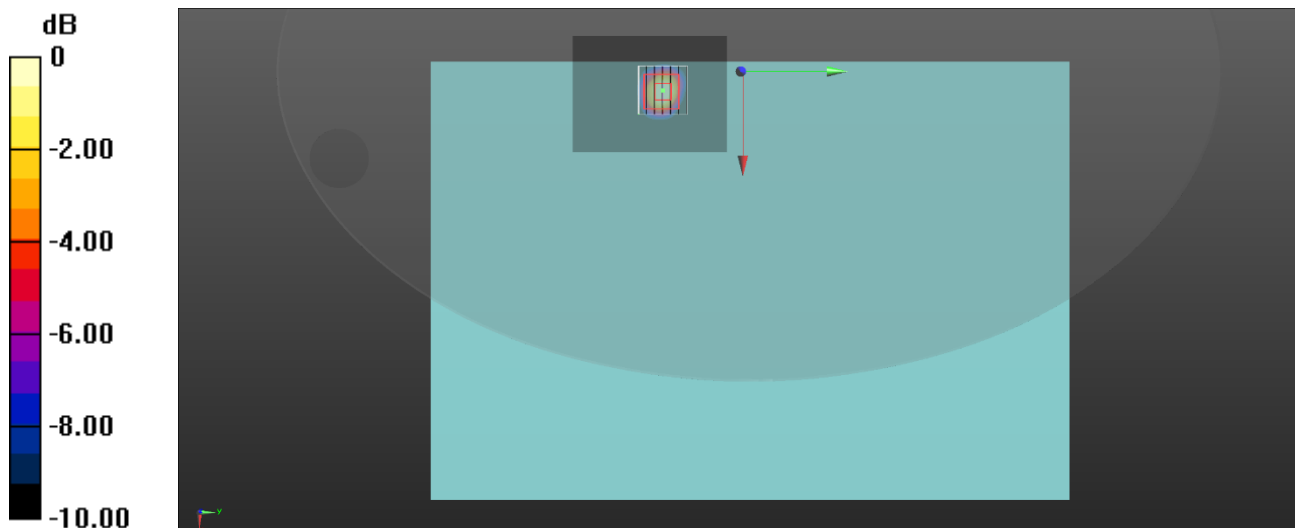Reference Value = 32.02 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 3.69 W/kg
SAR(1 g) = 1.89 W/kg; SAR(10 g) = 0.791 W/kg
Smallest distance from peaks to all points 3 dB below = 8.5 mm
Ratio of SAR at M2 to SAR at M1 = 54.7%
Maximum value of SAR (measured) = 3.08 W/kg

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

Date: 2024/10/25

80_WLAN5.3G_802.11ac VHT160_Top Side of the keyboard_0mm_Ch50_ANT 1_Sample 1

DUT: FX707

Communication System: UID 0, IEEE 802.11ac(5GHz)VHT160 (0); Frequency: 5250 MHz;Duty Cycle: 1:1.018
Medium parameters used: f = 5250 MHz; σ = 4.662 S/m; ε_r = 36.062; ρ = 1000 kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3847; ConvF(5.35, 5.35, 5.35) @ 5250 MHz; Calibrated: 2024/2/21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1253; Calibrated: 2024/4/22
- Phantom: ELI; Type: QD OVA 002 AA; Serial: 1175
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (61x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 2.27 W/kg

Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
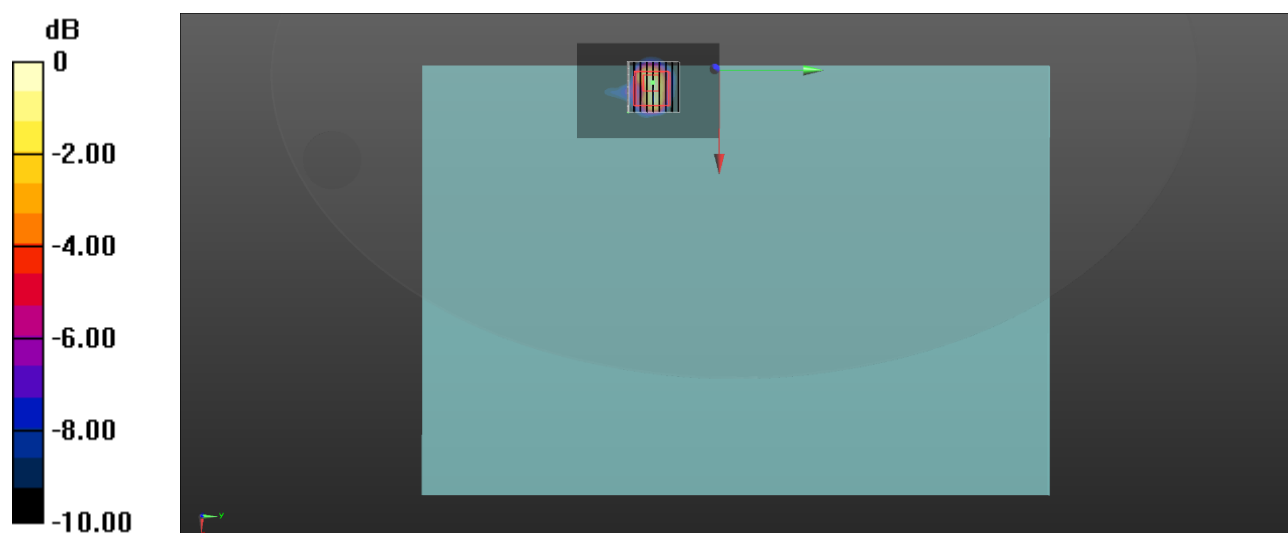Reference Value = 11.44 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 4.35 W/kg
SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.353 W/kg
Smallest distance from peaks to all points 3 dB below = 6.2 mm
Ratio of SAR at M2 to SAR at M1 = 62.2%
Maximum value of SAR (measured) = 2.51 W/kg

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

Date: 2024/10/25

88_WLAN5.6G_802.11ac VHT160_Top Side of the keyboard_0mm_Ch114_ANT 0_Sample 1

DUT: FX707

Communication System: UID 0, IEEE 802.11ac(5GHz)VHT160 (0); Frequency: 5570 MHz;Duty Cycle: 1:1.018
Medium parameters used: f = 5570 MHz; σ = 4.992 S/m; ε_r = 35.694; ρ = 1000 kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3847; ConvF(4.66, 4.66, 4.66) @ 5570 MHz; Calibrated: 2024/2/21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1253; Calibrated: 2024/4/22
- Phantom: ELI; Type: QD OVA 002 AA; Serial: 1175
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (61x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 2.78 W/kg

Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
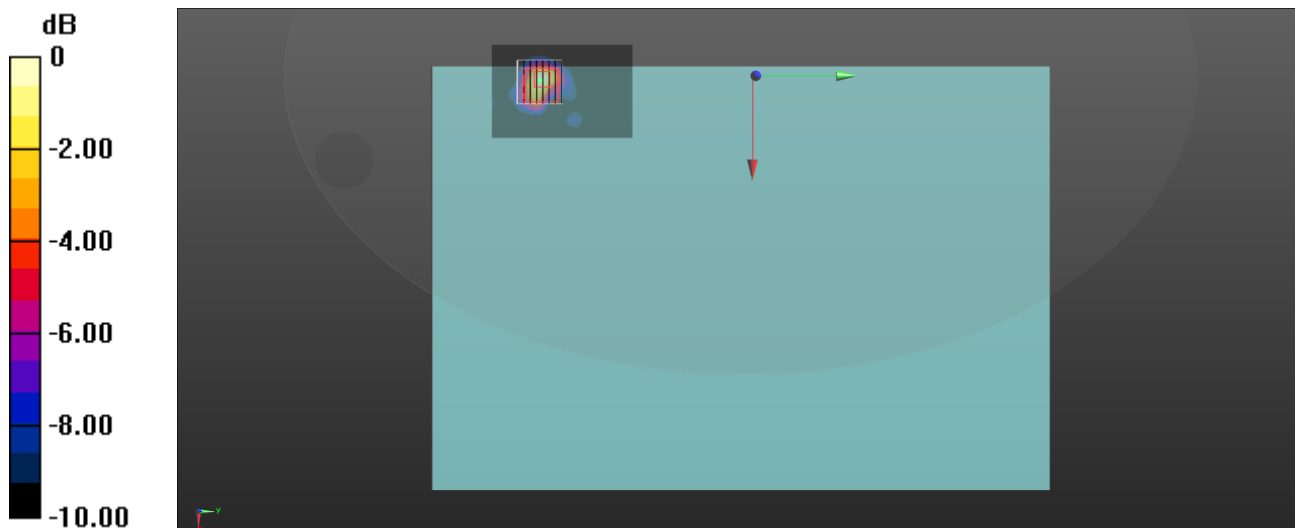Reference Value = 15.24 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 4.79 W/kg
SAR(1 g) = 1.01 W/kg; SAR(10 g) = 0.339 W/kg
Smallest distance from peaks to all points 3 dB below = 7.2 mm
Ratio of SAR at M2 to SAR at M1 = 59.9%
Maximum value of SAR (measured) = 2.63 W/kg

0 dB = 2.63 W/kg = 4.20 dBW/kg

Date: 2024/10/25

109_WLAN5.8G_802.11ac VHT160_Top Side of the keyboard_0mm_Ch163_ANT 0_Sample 1

DUT: FX707

Communication System: UID 0, IEEE 802.11ac(5GHz)VHT160 (0); Frequency: 5815 MHz;Duty Cycle: 1:1.018
Medium parameters used: f = 5815 MHz; σ = 5.252 S/m; ε_r = 35.231; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3847; ConvF(4.79, 4.79, 4.79) @ 5815 MHz; Calibrated: 2024/2/21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1253; Calibrated: 2024/4/22
- Phantom: ELI; Type: QD OVA 002 AA; Serial: 1175
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (61x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 3.30 W/kg

Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
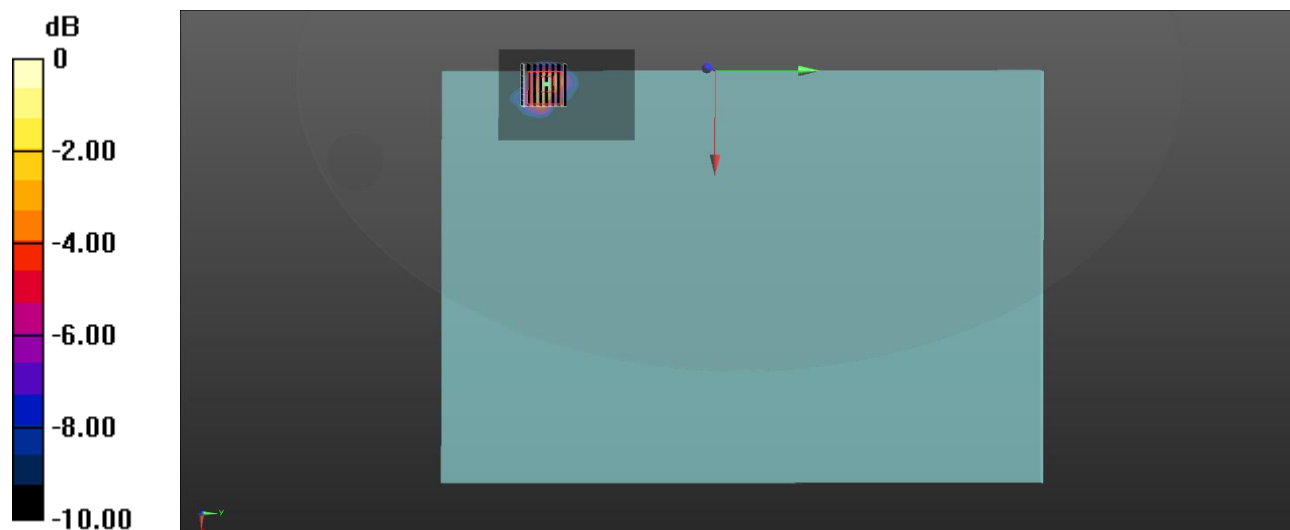Reference Value = 18.85 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 6.06 W/kg
SAR(1 g) = 1.2 W/kg; SAR(10 g) = 0.383 W/kg
Smallest distance from peaks to all points 3 dB below = 7.4 mm
Ratio of SAR at M2 to SAR at M1 = 58.5%
Maximum value of SAR (measured) = 3.15 W/kg

0 dB = 3.15 W/kg = 4.98 dBW/kg

Date: 2024/10/24

128_Bluetooth_GFSK_Top Side of the keyboard_0mm_Ch39_ANT 1_Sample 1

DUT: FX707

Communication System: UID 0, Bluetooth 3.0 (0); Frequency: 2441 MHz;Duty Cycle: 1:1.302
Medium parameters used: f = 2441 MHz; σ = 1.764 S/m; ε_r = 39.087; ρ = 1000 kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3847; ConvF(7.17, 7.17, 7.17) @ 2441 MHz; Calibrated: 2024/2/21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1253; Calibrated: 2024/4/22
- Phantom: ELI; Type: QD OVA 002 AA; Serial: 1175
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (61x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 1.04 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
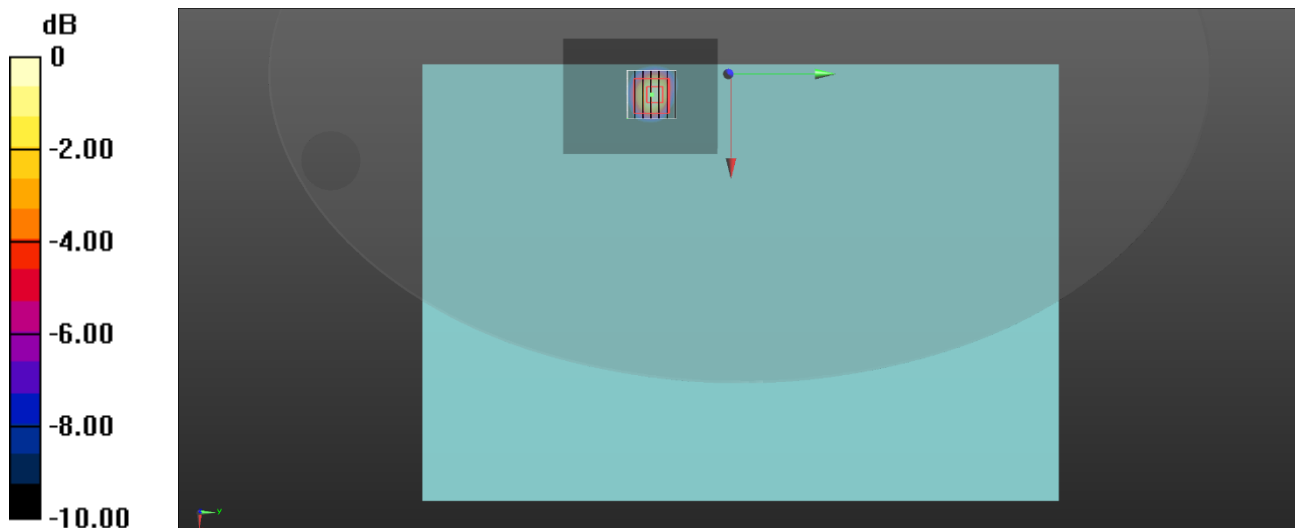Reference Value = 19.00 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 1.10 W/kg
SAR(1 g) = 0.559 W/kg; SAR(10 g) = 0.233 W/kg
Smallest distance from peaks to all points 3 dB below = 7.2 mm
Ratio of SAR at M2 to SAR at M1 = 57.6%
Maximum value of SAR (measured) = 0.857 W/kg

0 dB = 0.857 W/kg = -0.67 dBW/kg