

Appendix C - Highest Measurement Plots

Test Laboratory: A Test Lab Techno Corp.
Date: 2021/11/24

02_WLAN2.4GHz_802.11b_Ch11_Bottom of laptop_0mm_Ant Main

DUT: UX582Z, RX582Z, UX582ZM, UX582ZW

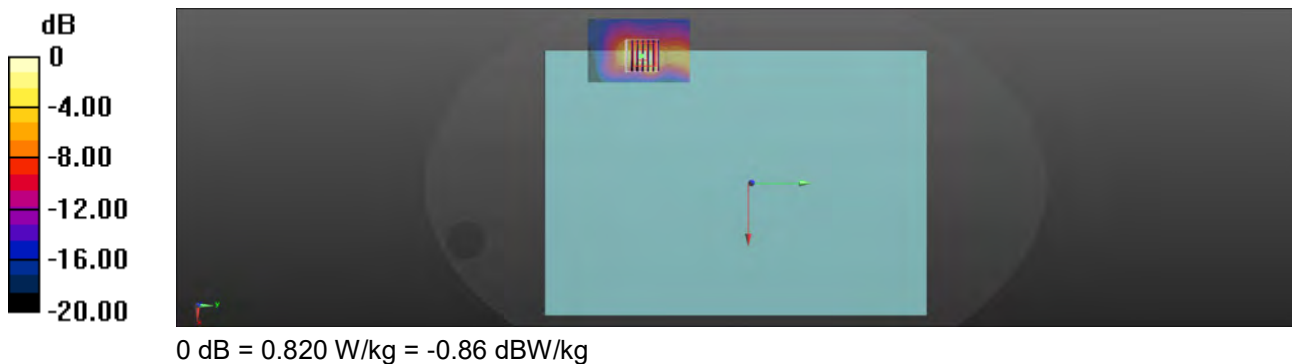
Communication System: UID 0, IEEE 802.11b (0); Frequency: 2462 MHz;Duty Cycle: 1:1.006
Medium parameters used: $f = 2462$ MHz; $\sigma = 1.829$ S/m; $\epsilon_r = 38.438$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

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(7.59, 7.59, 7.59) @ 2462 MHz; Calibrated: 2021/3/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2021/3/22
- Phantom: ELI V5.0; Type: QD OVA 002 AA; Serial: 1175
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (51x81x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm
Maximum value of SAR (interpolated) = 0.778 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm
Reference Value = 18.52 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 1.08 W/kg
SAR(1 g) = 0.420 W/kg; SAR(10 g) = 0.165 W/kg
Smallest distance from peaks to all points 3 dB below = 5.4 mm
Ratio of SAR at M2 to SAR at M1 = 40.7%
Maximum value of SAR (measured) = 0.820 W/kg



Test Laboratory: A Test Lab Techno Corp.
Date: 2021/11/24

01_WLAN2.4GHz_802.11b_Ch6_Bottom of laptop_0mm_Ant Aux

DUT: UX582Z, RX582Z, UX582ZM, UX582ZW

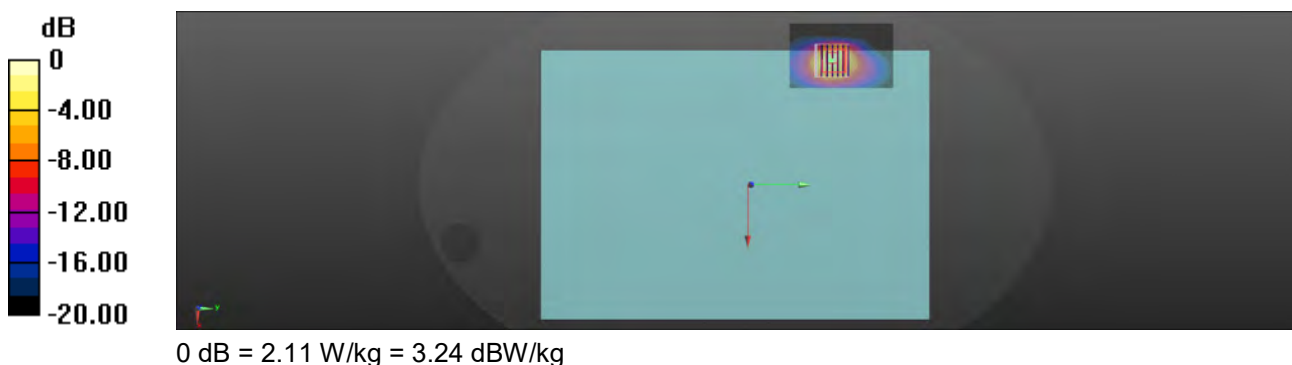
Communication System: UID 0, IEEE 802.11b (0); Frequency: 2437 MHz; Duty Cycle: 1:1.006
Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.8$ S/m; $\epsilon_r = 38.54$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

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(7.59, 7.59, 7.59) @ 2437 MHz; Calibrated: 2021/3/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2021/3/22
- Phantom: ELI V5.0; Type: QD OVA 002 AA; Serial: 1175
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (51x81x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm
Maximum value of SAR (interpolated) = 1.98 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm
Reference Value = 34.74 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 2.99 W/kg
SAR(1 g) = 1.13 W/kg; SAR(10 g) = 0.479 W/kg
Smallest distance from peaks to all points 3 dB below = 5.8 mm
Ratio of SAR at M2 to SAR at M1 = 38.7%
Maximum value of SAR (measured) = 2.11 W/kg



Test Laboratory: A Test Lab Techno Corp.
Date: 2021/11/24

03_Bluetooth_Ch39_Bottom of laptop_0mm_Ant Aux

DUT: UX582Z, RX582Z, UX582ZM, UX582ZW

Communication System: UID 0, Bluetooth(0); Frequency: 2441 MHz;Duty Cycle: 1:1.307
Medium parameters used (interpolated): $f = 2441$ MHz; $\sigma = 1.805$ S/m; $\epsilon_r = 38.525$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

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(7.59, 7.59, 7.59) @ 2441 MHz; Calibrated: 2021/3/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2021/3/22
- Phantom: ELI V5.0; Type: QD OVA 002 AA; Serial: 1175
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (51x81x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm
Maximum value of SAR (interpolated) = 0.388 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm
Reference Value = 13.64 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 0.606 W/kg
SAR(1 g) = 0.225 W/kg; SAR(10 g) = 0.095 W/kg
Smallest distance from peaks to all points 3 dB below = 6 mm
Ratio of SAR at M2 to SAR at M1 = 37.6%
Maximum value of SAR (measured) = 0.436 W/kg



Test Laboratory: A Test Lab Techno Corp.
Date: 2021/11/25

04_WLAN5GHz_802.11n HT40_Ch54_Bottom of laptop_0mm_Ant Main

DUT: UX582Z, RX582Z, UX582ZM, UX582ZW

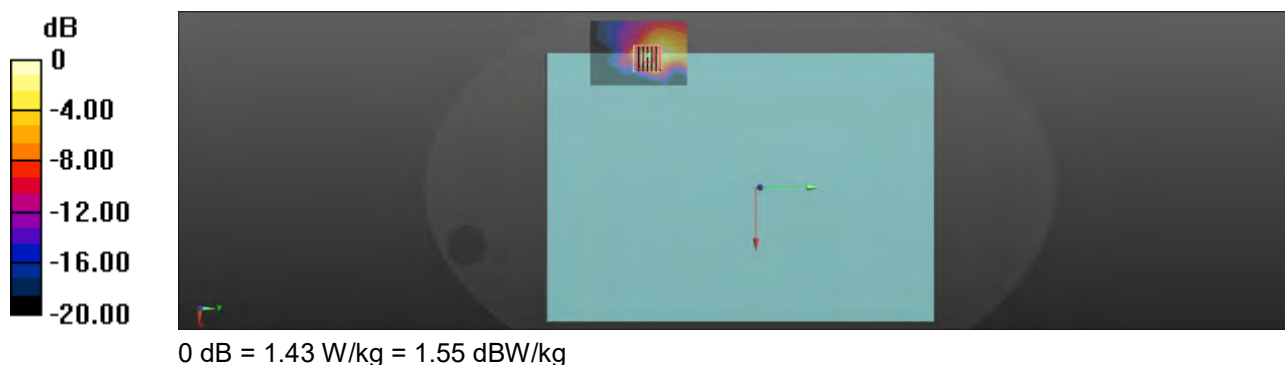
Communication System: UID 0, IEEE 802.11n(5GHz)HT40 (0); Frequency: 5270 MHz;Duty Cycle: 1:1.045
Medium parameters used: $f = 5270$ MHz; $\sigma = 4.684$ S/m; $\epsilon_r = 36.029$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

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(5.34, 5.34, 5.34) @ 5270 MHz; Calibrated: 2021/3/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2021/3/22
- Phantom: ELI V5.0; 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) = 1.13 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 14.33 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 2.50 W/kg
SAR(1 g) = 0.544 W/kg; SAR(10 g) = 0.169 W/kg
Smallest distance from peaks to all points 3 dB below = 5.6 mm
Ratio of SAR at M2 to SAR at M1 = 61.8%
Maximum value of SAR (measured) = 1.43 W/kg



Test Laboratory: A Test Lab Techno Corp.
Date: 2021/11/25

05_WLAN5GHz_802.11n HT40_Ch54_Bottom of laptop_0mm_Ant Aux

DUT: UX582Z, RX582Z, UX582ZM, UX582ZW

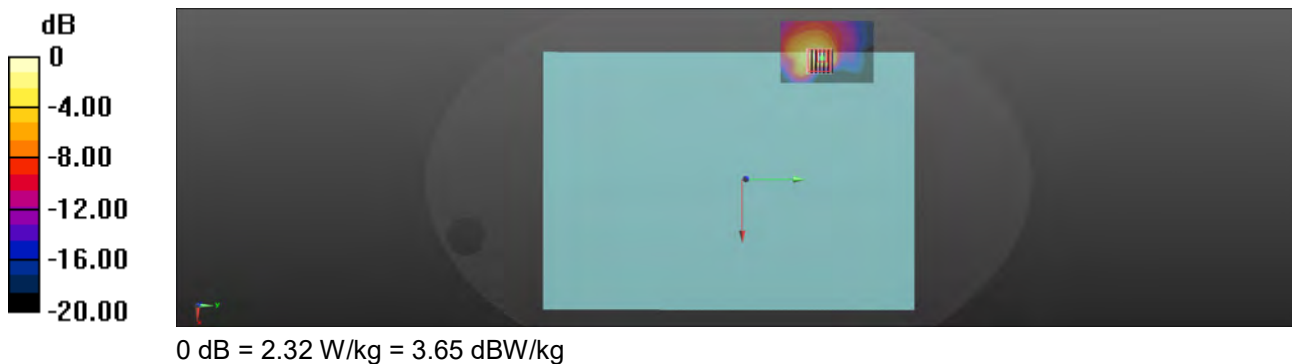
Communication System: UID 0, IEEE 802.11n(5GHz)HT40 (0); Frequency: 5270 MHz;Duty Cycle: 1:1.045
Medium parameters used: $f = 5270 \text{ MHz}$; $\sigma = 4.684 \text{ S/m}$; $\epsilon_r = 36.029$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

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(5.34, 5.34, 5.34) @ 5270 MHz; Calibrated: 2021/3/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2021/3/22
- Phantom: ELI V5.0; 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: $dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$
Maximum value of SAR (interpolated) = 2.29 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=1.4\text{mm}$
Reference Value = 22.58 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 4.16 W/kg
SAR(1 g) = 0.936 W/kg; SAR(10 g) = 0.248 W/kg
Smallest distance from peaks to all points 3 dB below = 3.3 mm
Ratio of SAR at M2 to SAR at M1 = 64.2%
Maximum value of SAR (measured) = 2.32 W/kg



Test Laboratory: A Test Lab Techno Corp.
Date: 2021/11/25

06_WLAN5GHz_802.11ac VHT80_Ch138_Bottom of laptop_0mm_Ant Main

DUT: UX582Z, RX582Z, UX582ZM, UX582ZW

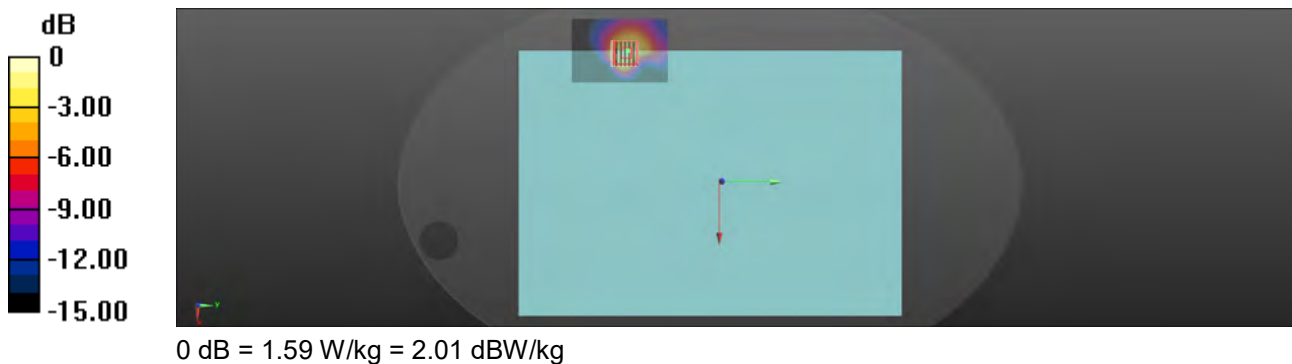
Communication System: UID 0, IEEE 802.11ac(5GHz)VHT80 (0); Frequency: 5690 MHz;Duty Cycle: 1:1.048
Medium parameters used: $f = 5690$ MHz; $\sigma = 5.206$ S/m; $\epsilon_r = 35.216$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

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, 5, 5) @ 5690 MHz; Calibrated: 2021/3/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2021/3/22
- Phantom: ELI V5.0; 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) = 1.53 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm
Reference Value = 16.84 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 2.95 W/kg
SAR(1 g) = 0.659 W/kg; SAR(10 g) = 0.231 W/kg
Smallest distance from peaks to all points 3 dB below = 7.5 mm
Ratio of SAR at M2 to SAR at M1 = 59.3%
Maximum value of SAR (measured) = 1.59 W/kg



Test Laboratory: A Test Lab Techno Corp.
Date: 2021/11/25

07_WLAN5GHz_802.11ac VHT80_Ch138_Bottom of laptop_0mm_Ant Aux

DUT: UX582Z, RX582Z, UX582ZM, UX582ZW

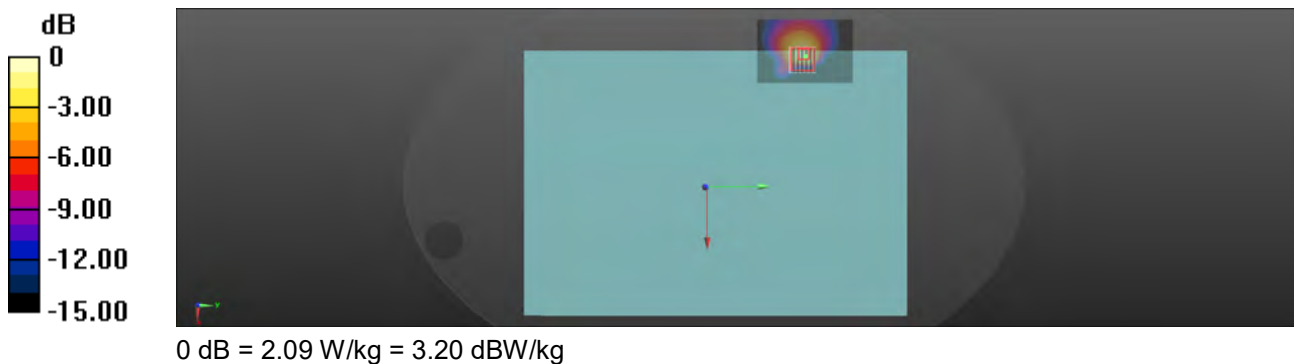
Communication System: UID 0, IEEE 802.11ac(5GHz)VHT80 (0); Frequency: 5690 MHz;Duty Cycle: 1:1.048
Medium parameters used: $f = 5690$ MHz; $\sigma = 5.206$ S/m; $\epsilon_r = 35.216$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

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, 5, 5) @ 5690 MHz; Calibrated: 2021/3/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2021/3/22
- Phantom: ELI V5.0; 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) = 2.13 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm
Reference Value = 21.22 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 3.77 W/kg
SAR(1 g) = 0.850 W/kg; SAR(10 g) = 0.231 W/kg
Smallest distance from peaks to all points 3 dB below = 6.8 mm
Ratio of SAR at M2 to SAR at M1 = 59.5%
Maximum value of SAR (measured) = 2.09 W/kg



Test Laboratory: A Test Lab Techno Corp.
Date: 2021/11/25

08_WLAN5GHz_802.11ac VHT80_Ch155_Bottom of laptop_0mm_Ant Main

DUT: UX582Z, RX582Z, UX582ZM, UX582ZW

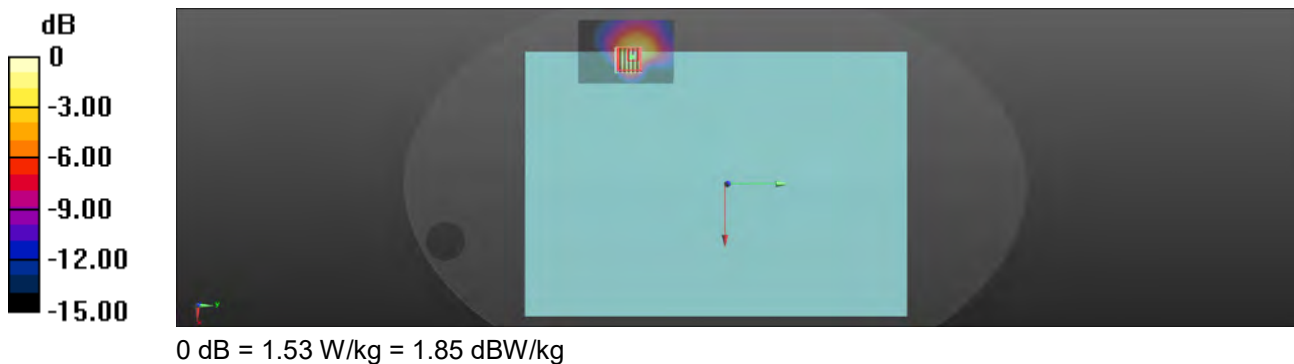
Communication System: UID 0, IEEE 802.11ac(5GHz)VHT80 (0); Frequency: 5775 MHz;Duty Cycle: 1:1.048
Medium parameters used: $f = 5775 \text{ MHz}$; $\sigma = 5.259 \text{ S/m}$; $\epsilon_r = 35.294$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

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, 5, 5) @ 5775 MHz; Calibrated: 2021/3/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2021/3/22
- Phantom: ELI V5.0; 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: $dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$
Maximum value of SAR (interpolated) = 1.36 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=1.4\text{mm}$
Reference Value = 15.95 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 2.85 W/kg
SAR(1 g) = 0.610 W/kg; SAR(10 g) = 0.197 W/kg
Smallest distance from peaks to all points 3 dB below = 8.5 mm
Ratio of SAR at M2 to SAR at M1 = 57.6%
Maximum value of SAR (measured) = 1.53 W/kg



Test Laboratory: A Test Lab Techno Corp.
Date: 2021/11/25

09_WLAN5GHz_802.11n HT40_Ch159_Bottom of laptop_0mm_Ant Aux

DUT: UX582Z, RX582Z, UX582ZM, UX582ZW

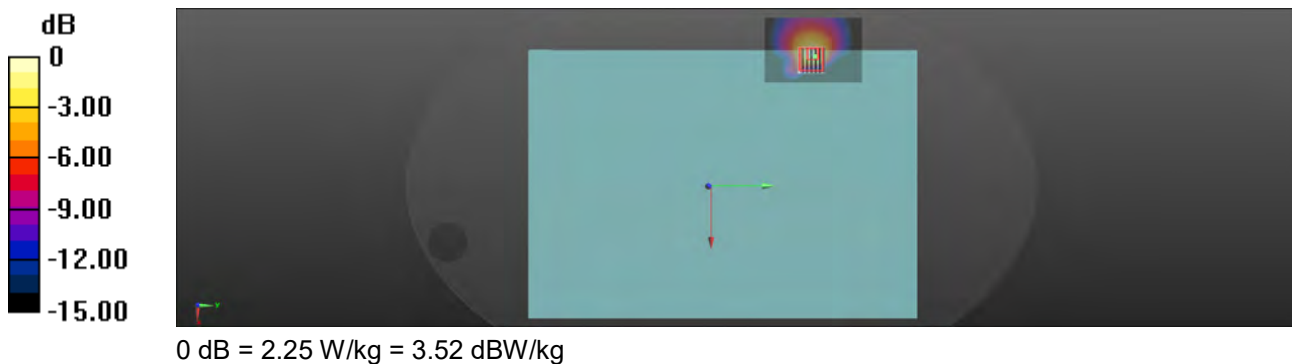
Communication System: UID 0, IEEE 802.11n(5GHz)HT40 (0); Frequency: 5795 MHz;Duty Cycle: 1:1.045
Medium parameters used: $f = 5795 \text{ MHz}$; $\sigma = 5.244 \text{ S/m}$; $\epsilon_r = 35.292$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

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, 5, 5) @ 5795 MHz; Calibrated: 2021/3/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2021/3/22
- Phantom: ELI V5.0; 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: $dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$
Maximum value of SAR (interpolated) = 2.33 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=1.4\text{mm}$
Reference Value = 22.07 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 4.12 W/kg
SAR(1 g) = 0.922 W/kg; SAR(10 g) = 0.253 W/kg
Smallest distance from peaks to all points 3 dB below = 6.8 mm
Ratio of SAR at M2 to SAR at M1 = 58.9%
Maximum value of SAR (measured) = 2.25 W/kg



Test Laboratory: A Test Lab Techno Corp.

10_WLAN6GHz_802.11ax HE160_Ch15_Bottom of laptop_0mm_Ant Main

Device under Test Properties

Model: UX582Z, RX582Z, UX582ZM, UX582ZW

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,	Bottom of laptop, 0.00	U-NII-5	WLAN, 10743-AAC	6025.0, 15	5.6	5.58	35.5

Hardware Setup

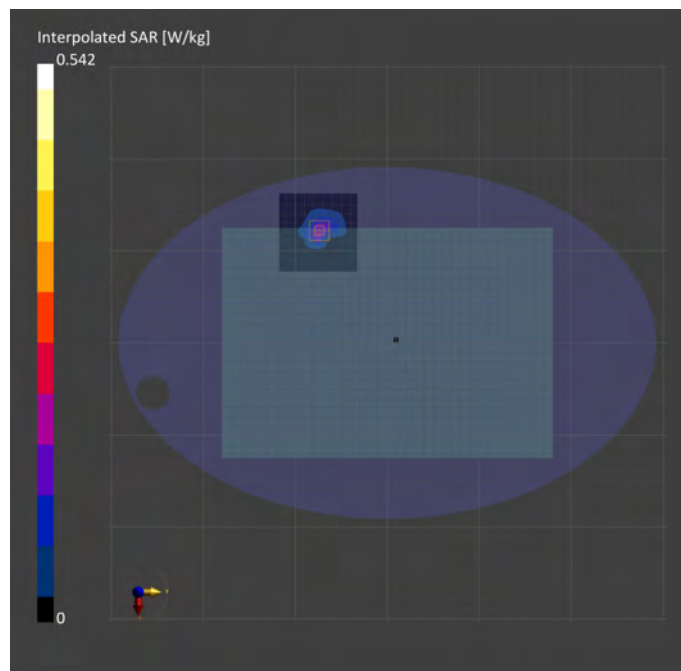
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) - 1175	HSL6G	EX3DV4 - SN3847, 2021-03-26	DAE4 Sn541, 2021-03-22

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	85.0 x 85.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2021-11-26	2021-11-26
psSAR1g [W/Kg]	0.144	0.129
psSAR10g [W/Kg]	0.053	0.046
Power Drift [dB]	-0.12	-0.02
TSL Correction	Positive only	Positive only
M2/M1 [%]		52.5
Dist 3dB Peak [mm]		8.7



Test Laboratory: A Test Lab Techno Corp.

11_WLAN6GHz_802.11ax HE160_Ch15_Bottom of laptop_0mm_Ant Aux

Device under Test Properties

Model: UX582Z, RX582Z, UX582ZM, UX582ZW

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,	Bottom of laptop, 0.00	U-NII-5	WLAN, 10743-AAC	6025.0, 15	5.6	5.58	35.5

Hardware Setup

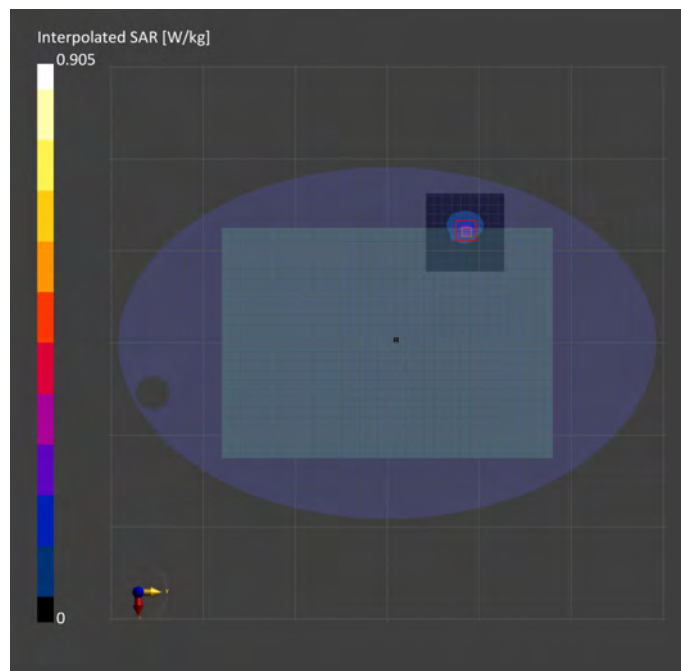
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) - 1175	HSL6G	EX3DV4 - SN3847, 2021-03-26	DAE4 Sn541, 2021-03-22

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	85.0 x 85.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2021-11-26	2021-11-26
psSAR1g [W/Kg]	0.222	0.207
psSAR10g [W/Kg]	0.076	0.068
Power Drift [dB]	0.05	0.12
TSL Correction	Positive only	Positive only
M2/M1 [%]		54.7
Dist 3dB Peak [mm]		7.2



Test Laboratory: A Test Lab Techno Corp.

12_WLAN6GHz_802.11ax HE160_Ch111_Bottom of laptop_0mm_Ant Main

Device under Test Properties

Model: UX582Z, RX582Z, UX582ZM, UX582ZW

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,	Bottom of laptop, 0.00	U-NII-6	WLAN, 10743-AAC	6505.0, 111	5.6	6.17	34.7

Hardware Setup

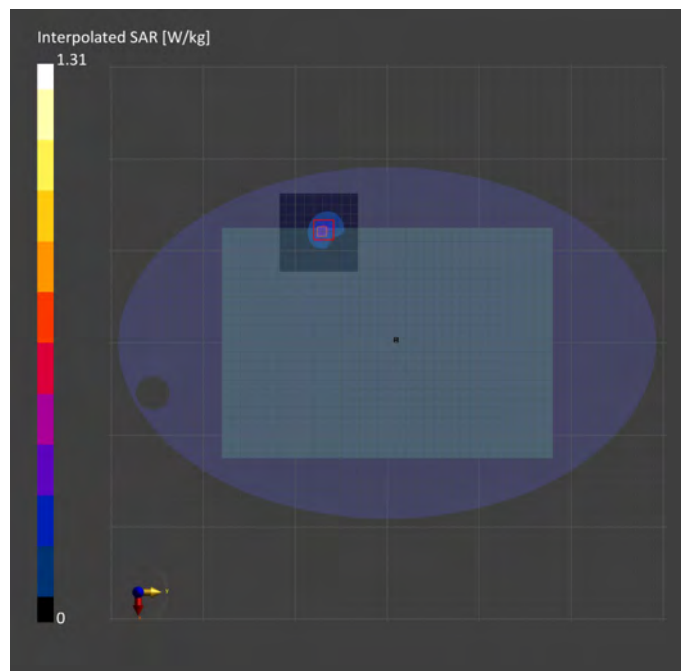
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) - 1175	HSL6G	EX3DV4 - SN3847, 2021-03-26	DAE4 Sn541, 2021-03-22

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	85.0 x 85.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2021-11-26	2021-11-26
psSAR1g [W/Kg]	0.317	0.288
psSAR10g [W/Kg]	0.114	0.103
Power Drift [dB]	0.12	-0.01
TSL Correction	Positive only	Positive only
M2/M1 [%]		51.4
Dist 3dB Peak [mm]		9.2



Test Laboratory: A Test Lab Techno Corp.

13_WLAN6GHz_802.11ax HE160_Ch111_Bottom of laptop_0mm_Ant Aux

Device under Test Properties

Model: UX582Z, RX582Z, UX582ZM, UX582ZW

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,	Bottom of laptop, 0.00	U-NII-6	WLAN, 10743-AAC	6505.0, 111	5.6	6.17	34.7

Hardware Setup

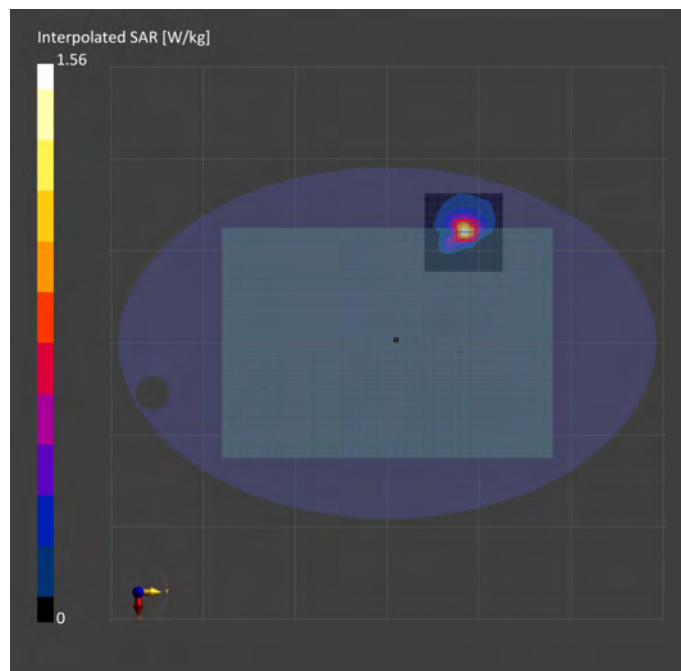
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) - 1175	HSL6G	EX3DV4 - SN3847, 2021-03-26	DAE4 Sn541, 2021-03-22

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	85.0 x 85.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2021-11-26	2021-11-26
psSAR1g [W/Kg]	0.338	0.318
psSAR10g [W/Kg]	0.115	0.104
Power Drift [dB]	-0.15	-0.01
TSL Correction	Positive only	Positive only
M2/M1 [%]		50.4
Dist 3dB Peak [mm]		6.8



Test Laboratory: A Test Lab Techno Corp.

14_WLAN6GHz_802.11ax HE160_Ch143_Bottom of laptop_0mm_Ant Main

Device under Test Properties

Model: UX582Z, RX582Z, UX582ZM, UX582ZW

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,	Bottom of laptop, 0.00	U-NII-7	WLAN, 10743-AAC	6665.0, 143	5.6	6.37	34.2

Hardware Setup

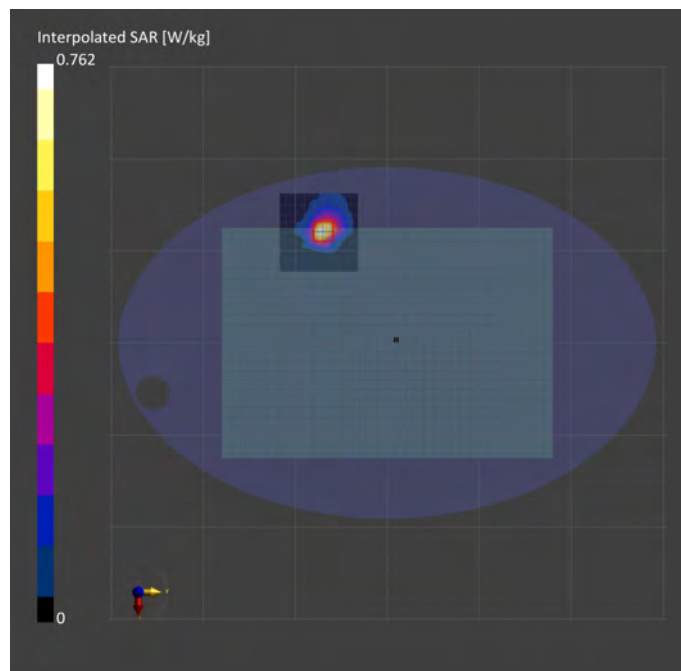
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) - 1175	HSL6G	EX3DV4 - SN3847, 2021-03-26	DAE4 Sn541, 2021-03-22

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	85.0 x 85.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2021-11-26	2021-11-26
psSAR1g [W/Kg]	0.186	0.161
psSAR10g [W/Kg]	0.067	0.058
Power Drift [dB]	0.06	0.03
TSL Correction	Positive only	Positive only
M2/M1 [%]		48.4
Dist 3dB Peak [mm]		8.9



Test Laboratory: A Test Lab Techno Corp.

15_WLAN6GHz_802.11ax HE160_Ch143_Bottom of laptop_0mm_Ant Aux

Device under Test Properties

Model: UX582Z, RX582Z, UX582ZM, UX582ZW

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,	Bottom of laptop, 0.00	U-NII-7	WLAN, 10743-AAC	6665.0, 143	5.6	6.37	34.2

Hardware Setup

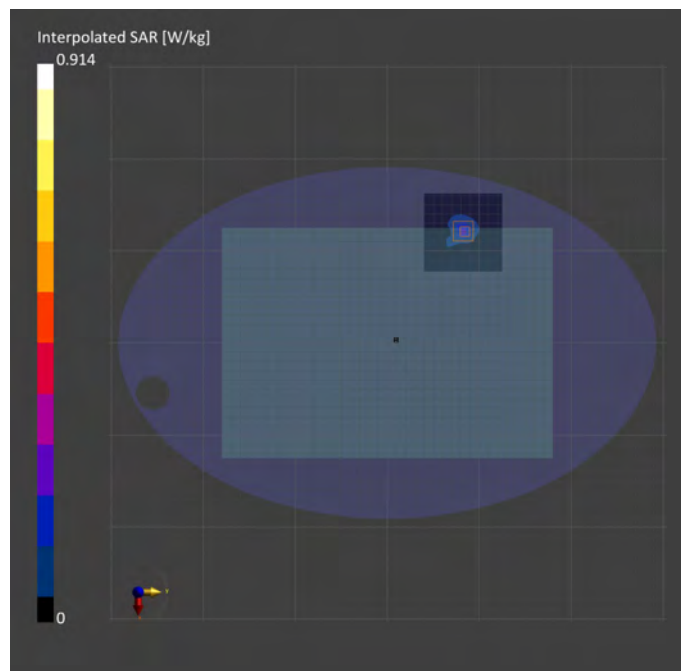
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) - 1175	HSL6G	EX3DV4 - SN3847, 2021-03-26	DAE4 Sn541, 2021-03-22

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	85.0 x 85.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2021-11-26	2021-11-26
psSAR1g [W/Kg]	0.192	0.181
psSAR10g [W/Kg]	0.064	0.057
Power Drift [dB]	-0.14	-0.12
TSL Correction	Positive only	Positive only
M2/M1 [%]		50.1
Dist 3dB Peak [mm]		7.0



Test Laboratory: A Test Lab Techno Corp.

16_WLAN6GHz_802.11ax HE160_Ch207_Bottom of laptop_0mm_Ant Main

Device under Test Properties

Model: UX582Z, RX582Z, UX582ZM, UX582ZW

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,	Bottom of laptop, 0.00	U-NII-8	WLAN, 10743-AAC	6985.0, 207	5.6	6.72	33.7

Hardware Setup

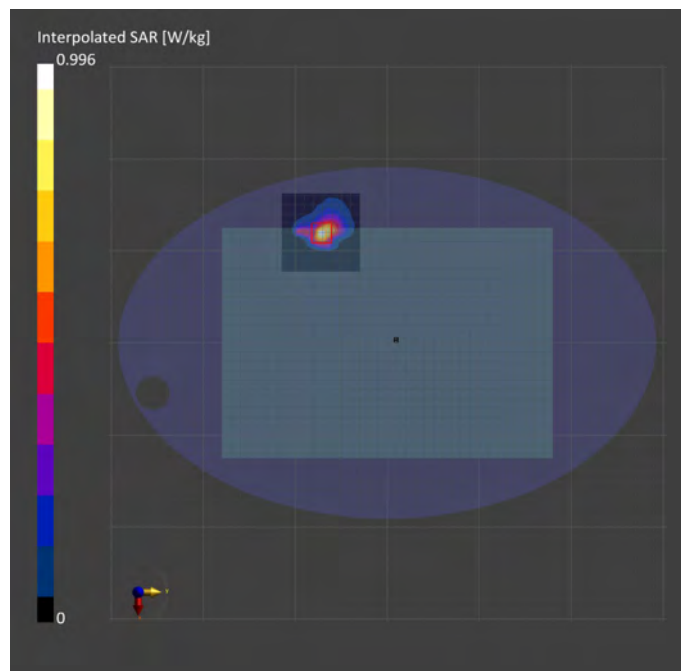
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) - 1175	HSL6G	EX3DV4 - SN3847, 2021-03-26	DAE4 Sn541, 2021-03-22

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	85.0 x 85.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2021-11-26	2021-11-26
psSAR1g [W/Kg]	0.195	0.176
psSAR10g [W/Kg]	0.067	0.056
Power Drift [dB]	0.13	-0.15
TSL Correction	Positive only	Positive only
M2/M1 [%]		44.5
Dist 3dB Peak [mm]		6.5



Test Laboratory: A Test Lab Techno Corp.

17_WLAN6GHz_802.11ax HE160_Ch207_Bottom of laptop_0mm_Ant Aux

Device under Test Properties

Model: UX582Z, RX582Z, UX582ZM, UX582ZW

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,	Bottom of laptop, 0.00	U-NII-8	WLAN, 10743-AAC	6985.0, 207	5.6	6.72	33.7

Hardware Setup

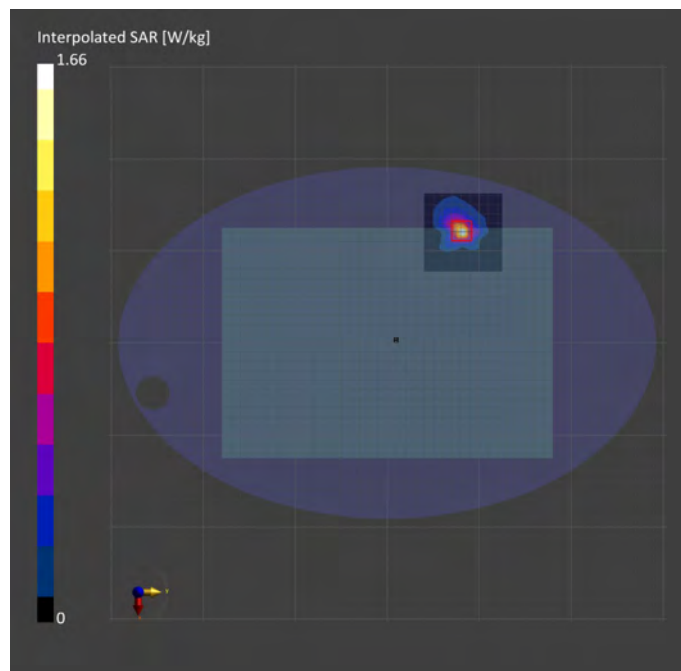
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) - 1175	HSL6G	EX3DV4 - SN3847, 2021-03-26	DAE4 Sn541, 2021-03-22

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	85.0 x 85.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2021-11-26	2021-11-26
psSAR1g [W/Kg]	0.345	0.306
psSAR10g [W/Kg]	0.112	0.096
Power Drift [dB]	-0.09	0.04
TSL Correction	Positive only	Positive only
M2/M1 [%]		48.0
Dist 3dB Peak [mm]		6.8



20_WLAN6GHz_802.11ax HE160_Ch15_Bottom of laptop_2 mm_Ant Main

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
UX582Z, RX582Z, UX582ZM, UX582ZW	360.0 x 250.0 x 24.0		Laptop

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	Bottom of laptop, 2.00	U-NII-5	WLAN, 10755-AAC	6025.0, 15	1.0

Hardware Setup

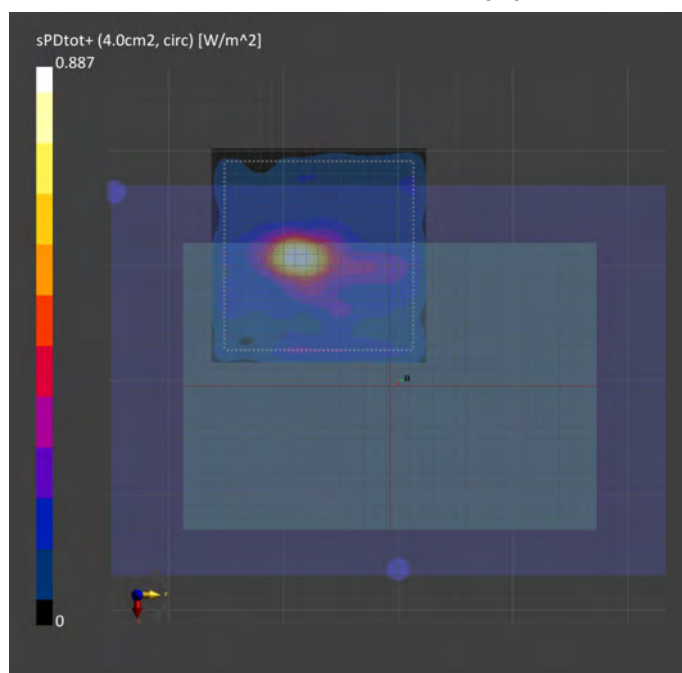
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 5G Phantom	Air	EUmmWV3 - SN9403_F1-55GHz, 2021-09-20	DAE4 Sn541, 2021-03-22

Scan Setup

	5G Scan
Grid Extents [mm]	120.0 x 120.0
Grid Steps [lambda]	0.05 x 0.05
Sensor Surface [mm]	2.0
MAIA	N/A

Measurement Results

	5G Scan
Date	2021-11-27
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	0.858
psPDtot+ [W/m ²]	0.888
psPDmod+ [W/m ²]	0.993
E _{max} [V/m]	23.2
H _{max} [A/m]	0.058
Power Drift [dB]	-0.04



21_WLAN6GHz_802.11ax HE160_Ch15_Bottom of laptop_2 mm_Ant Aux

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
UX582Z, RX582Z, UX582ZM, UX582ZW	360.0 x 250.0 x 24.0		Laptop

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	Bottom of laptop, 2.00	U-NII-5	WLAN, 10755-AAC	6025.0, 15	1.0

Hardware Setup

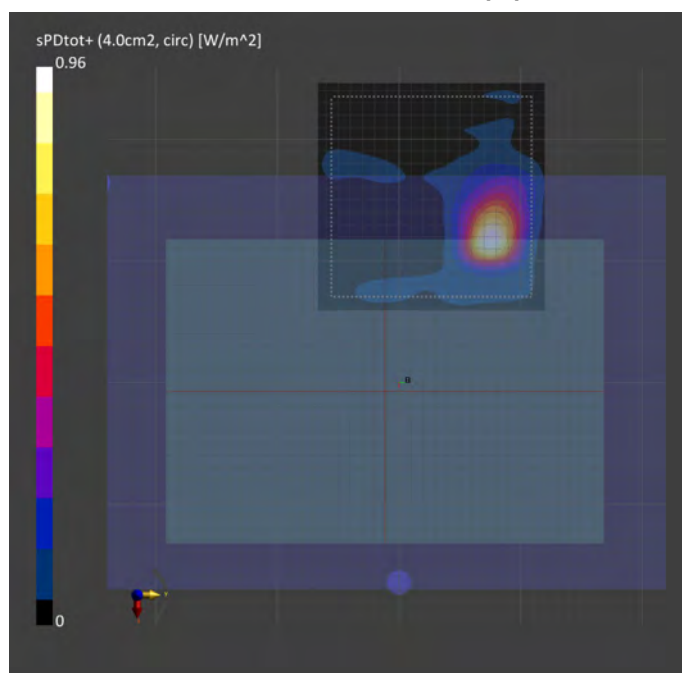
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 5G Phantom	Air	EUmmWV3 - SN9403_F1-55GHz, 2021-09-20	DAE4 Sn541, 2021-03-22

Scan Setup

	5G Scan
Grid Extents [mm]	120.0 x 120.0
Grid Steps [lambda]	0.05 x 0.05
Sensor Surface [mm]	2.0
MAIA	N/A

Measurement Results

	5G Scan
Date	2021-11-27
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	0.907
psPDtot+ [W/m ²]	0.960
psPDmod+ [W/m ²]	1.12
E _{max} [V/m]	24.5
H _{max} [A/m]	0.058
Power Drift [dB]	-0.09



22_WLAN6GHz_802.11ax HE160_Ch111_Bottom of laptop_2 mm_Ant Main

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
UX582Z, RX582Z, UX582ZM, UX582ZW	360.0 x 250.0 x 24.0		Laptop

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	Bottom of laptop, 2.00	U-NII-6	WLAN, 10755-AAC	6505.0, 111	1.0

Hardware Setup

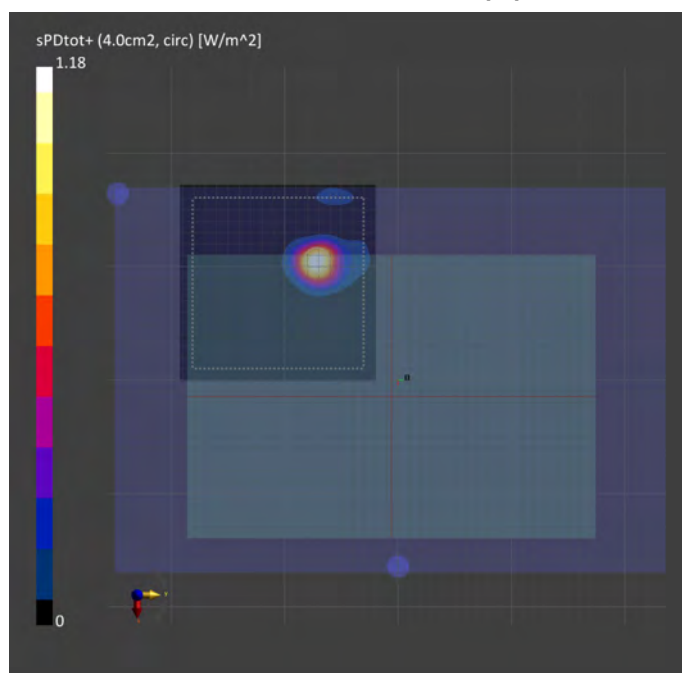
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 5G Phantom	Air	EUmmWV3 - SN9403_F1-55GHz, 2021-09-20	DAE4 Sn541, 2021-03-22

Scan Setup

	5G Scan
Grid Extents [mm]	120.0 x 120.0
Grid Steps [lambda]	0.05 x 0.05
Sensor Surface [mm]	2.0
MAIA	N/A

Measurement Results

	5G Scan
Date	2021-11-27
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	1.07
psPDtot+ [W/m ²]	1.18
psPDmod+ [W/m ²]	2.09
E _{max} [V/m]	38.4
H _{max} [A/m]	0.101
Power Drift [dB]	0.05



23_WLAN6GHz_802.11ax HE160_Ch111_Bottom of laptop_2 mm_Ant Aux

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
UX582Z, RX582Z, UX582ZM, UX582ZW	360.0 x 250.0 x 24.0		Laptop

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	Bottom of laptop, 2.00	U-NII-6	WLAN, 10755-AAC	6505.0, 111	1.0

Hardware Setup

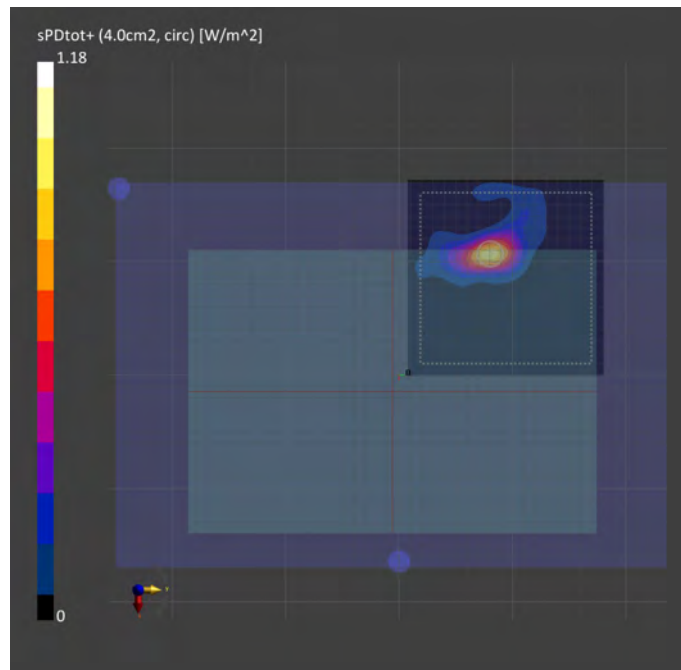
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 5G Phantom	Air	EUmmWV3 - SN9403_F1-55GHz, 2021-09-20	DAE4 Sn541, 2021-03-22

Scan Setup

	5G Scan
Grid Extents [mm]	120.0 x 120.0
Grid Steps [lambda]	0.05 x 0.05
Sensor Surface [mm]	2.0
MAIA	N/A

Measurement Results

	5G Scan
Date	2021-11-27
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	0.905
psPDtot+ [W/m ²]	0.961
psPDmod+ [W/m ²]	1.22
E _{max} [V/m]	26.5
H _{max} [A/m]	0.067
Power Drift [dB]	-0.02



24_WLAN6GHz_802.11ax HE160_Ch143_Bottom of laptop_2 mm_Ant Main

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
UX582Z, RX582Z, UX582ZM, UX582ZW	360.0 x 250.0 x 24.0		Laptop

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	Bottom of laptop, 2.00	U-NII-7	WLAN, 10755-AAC	6665.0, 143	1.0

Hardware Setup

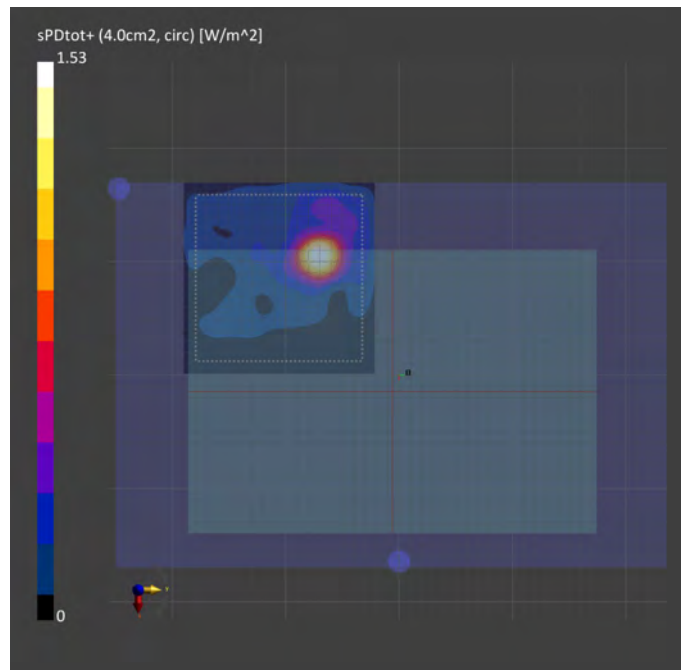
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 5G Phantom	Air	EUmmWV3 - SN9403_F1-55GHz, 2021-09-20	DAE4 Sn541, 2021-03-22

Scan Setup

	5G Scan
Grid Extents [mm]	120.0 x 120.0
Grid Steps [lambda]	0.05 x 0.05
Sensor Surface [mm]	2.0
MAIA	N/A

Measurement Results

	5G Scan
Date	2021-11-27
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	1.42
psPDtot+ [W/m ²]	1.53
psPDmod+ [W/m ²]	1.67
E _{max} [V/m]	30.0
H _{max} [A/m]	0.075
Power Drift [dB]	0.02



25_WLAN6GHz_802.11ax HE160_Ch143_Bottom of laptop_2 mm_Ant Aux

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
UX582Z, RX582Z, UX582ZM, UX582ZW	360.0 x 250.0 x 24.0		Laptop

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	Bottom of laptop, 2.00	U-NII-7	WLAN, 10755-AAC	6665.0, 143	1.0

Hardware Setup

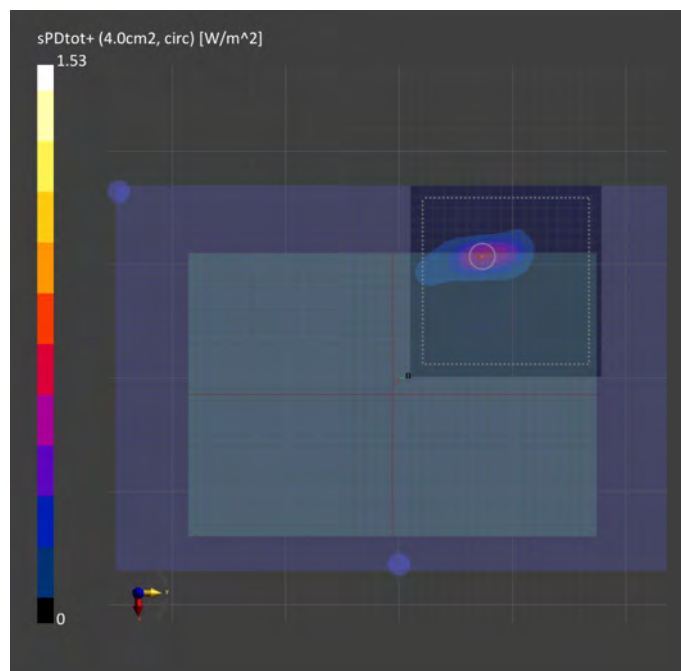
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 5G Phantom	Air	EUmmWV3 - SN9403_F1-55GHz, 2021-09-20	DAE4 Sn541, 2021-03-22

Scan Setup

	5G Scan
Grid Extents [mm]	120.0 x 120.0
Grid Steps [lambda]	0.05 x 0.05
Sensor Surface [mm]	2.0
MAIA	N/A

Measurement Results

	5G Scan
Date	2021-11-27
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	0.650
psPDtot+ [W/m ²]	0.676
psPDmod+ [W/m ²]	0.836
E _{max} [V/m]	22.7
H _{max} [A/m]	0.052
Power Drift [dB]	-0.08



26_WLAN6GHz_802.11ax HE160_Ch207_Bottom of laptop_2 mm_Ant Main

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
UX582Z, RX582Z, UX582ZM, UX582ZW	360.0 x 250.0 x 24.0		Laptop

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	Bottom of laptop, 2.00	U-NII-8	WLAN, 10755-AAC	6985.0, 207	1.0

Hardware Setup

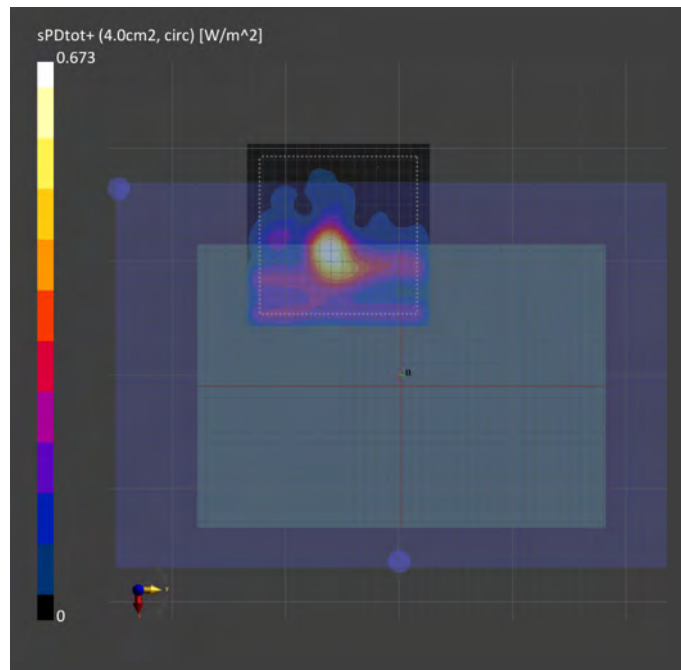
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 5G Phantom	Air	EUmmWV3 - SN9403_F1-55GHz, 2021-09-20	DAE4 Sn541, 2021-03-22

Scan Setup

	5G Scan
Grid Extents [mm]	120.0 x 120.0
Grid Steps [lambda]	0.05 x 0.05
Sensor Surface [mm]	2.0
MAIA	N/A

Measurement Results

	5G Scan
Date	2021-11-27
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	0.614
psPDtot+ [W/m ²]	0.673
psPDmod+ [W/m ²]	0.747
E _{max} [V/m]	21.6
H _{max} [A/m]	0.055
Power Drift [dB]	0.12



28_WLAN6GHz_802.11ax HE80_Ch199_Bottom of laptop_2 mm_Ant Main

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
UX582Z, RX582Z, UX582ZM, UX582ZW	360.0 x 250.0 x 24.0		Laptop

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	Bottom of laptop, 2.00	U-NII-8	WLAN, 10731-AAC	6945.0, 199	1.0

Hardware Setup

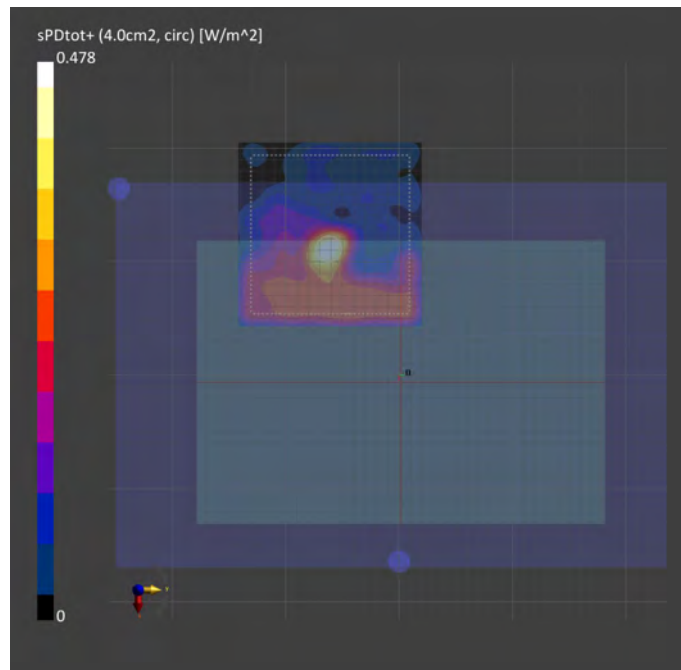
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 5G Phantom	Air	EUmmWV3 - SN9403_F1-55GHz, 2021-09-20	DAE4 Sn541, 2021-03-22

Scan Setup

	5G Scan
Grid Extents [mm]	120.0 x 120.0
Grid Steps [lambda]	0.05 x 0.05
Sensor Surface [mm]	2.0
MAIA	N/A

Measurement Results

	5G Scan
Date	2021-11-27
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	0.407
psPDtot+ [W/m ²]	0.478
psPDmod+ [W/m ²]	0.563
E _{max} [V/m]	20.5
H _{max} [A/m]	0.058
Power Drift [dB]	0.15



27_WLAN6GHz_802.11ax HE160_Ch207_Bottom of laptop_2 mm_Ant Aux

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
UX582Z, RX582Z, UX582ZM, UX582ZW	360.0 x 250.0 x 24.0		Laptop

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	Bottom of laptop, 2.00	U-NII-8	WLAN, 10755-AAC	6985.0, 207	1.0

Hardware Setup

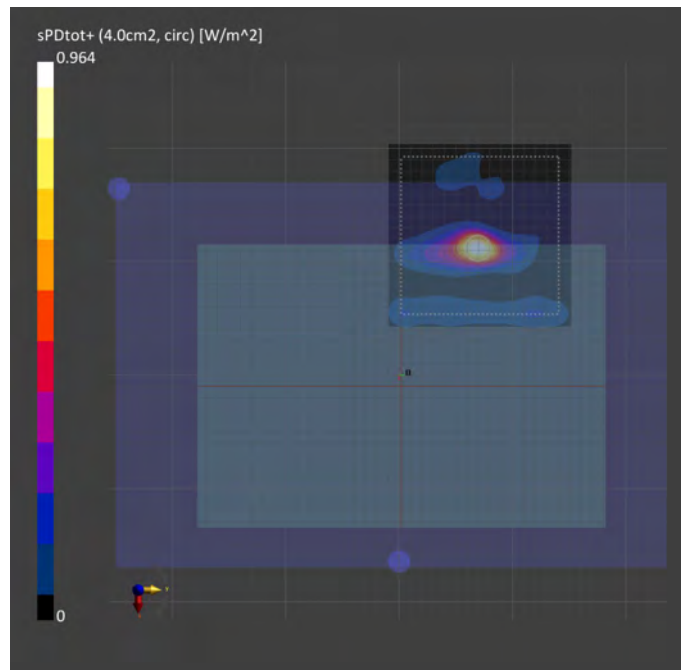
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 5G Phantom	Air	EUmmWV3 - SN9403_F1-55GHz, 2021-09-20	DAE4 Sn541, 2021-03-22

Scan Setup

	5G Scan
Grid Extents [mm]	120.0 x 120.0
Grid Steps [lambda]	0.05 x 0.05
Sensor Surface [mm]	2.0
MAIA	N/A

Measurement Results

	5G Scan
Date	2021-11-27
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	0.901
psPDtot+ [W/m ²]	0.964
psPDmod+ [W/m ²]	1.22
E _{max} [V/m]	26.6
H _{max} [A/m]	0.07
Power Drift [dB]	-0.01



29_WLAN6GHz_802.11ax HE80_Ch215_Bottom of laptop_2 mm_Ant Aux

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
UX582Z, RX582Z, UX582ZM, UX582ZW	360.0 x 250.0 x 24.0		Laptop

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	Bottom of laptop, 2.00	U-NII-8	WLAN, 10731-AAC	7025.0, 215	1.0

Hardware Setup

Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 5G Phantom	Air	EUmmWV3 - SN9403_F1-55GHz, 2021-09-20	DAE4 Sn541, 2021-03-22

Scan Setup

	5G Scan
Grid Extents [mm]	120.0 x 120.0
Grid Steps [lambda]	0.05 x 0.05
Sensor Surface [mm]	2.0
MAIA	N/A

Measurement Results

	5G Scan
Date	2021-11-27
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	0.618
psPDtot+ [W/m ²]	0.733
psPDmod+ [W/m ²]	1.14
E _{max} [V/m]	28.8
H _{max} [A/m]	0.082
Power Drift [dB]	-0.12

