

Appendix C - Highest Measurement Plots

- **SAR Highest Measurement Plots**

Test Laboratory: A Test Lab Techno Corp.
Date: 2021/10/28

11_WLAN2.4GHz_802.11b_CH 6_Bottom Face_0mm_Ant Main

DUT: B5402CE , B5402CEA, B5402FE, B5408FE, B5402FEA, B5408FEA, B5408CE, B5408CEA, B5402CEAW, B5402FEAW, B5400FE, B5400CE, B5400FEA, B5400CEA

Communication System: UID 0, IEEE 802.11b (0); Frequency: 2437 MHz; Duty Cycle: 1:1.009
Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.781$ S/m; $\epsilon_r = 39.405$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (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 - SN3977; ConvF(7.28, 7.28, 7.28) @ 2437 MHz; Calibrated: 2021/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2021/7/30
- Phantom: ELI V4.0; Type: QD OVA 001 BB; Serial: 1036
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (61x71x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm
Maximum value of SAR (interpolated) = 1.87 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm
Reference Value = 30.02 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 2.25 W/kg
SAR(1 g) = 0.987 W/kg; SAR(10 g) = 0.421 W/kg
Smallest distance from peaks to all points 3 dB below = 8.9 mm
Ratio of SAR at M2 to SAR at M1 = 44.8%
Maximum value of SAR (measured) = 1.74 W/kg



Test Laboratory: A Test Lab Techno Corp.
Date: 2021/10/28

12_WLAN2.4GHZ_802.11b_CH 6_Bottom Face_0mm_Ant Aux

DUT: B5402CE , B5402CEA, B5402FE, B5408FE, B5402FEA, B5408FEA, B5408CE, B5408CEA, B5402CEAW, B5402FEAW, B5400FE, B5400CE, B5400FEA, B5400CEA

Communication System: UID 0, IEEE 802.11b (0); Frequency: 2437 MHz; Duty Cycle: 1:1.009
Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.781$ S/m; $\epsilon_r = 39.405$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

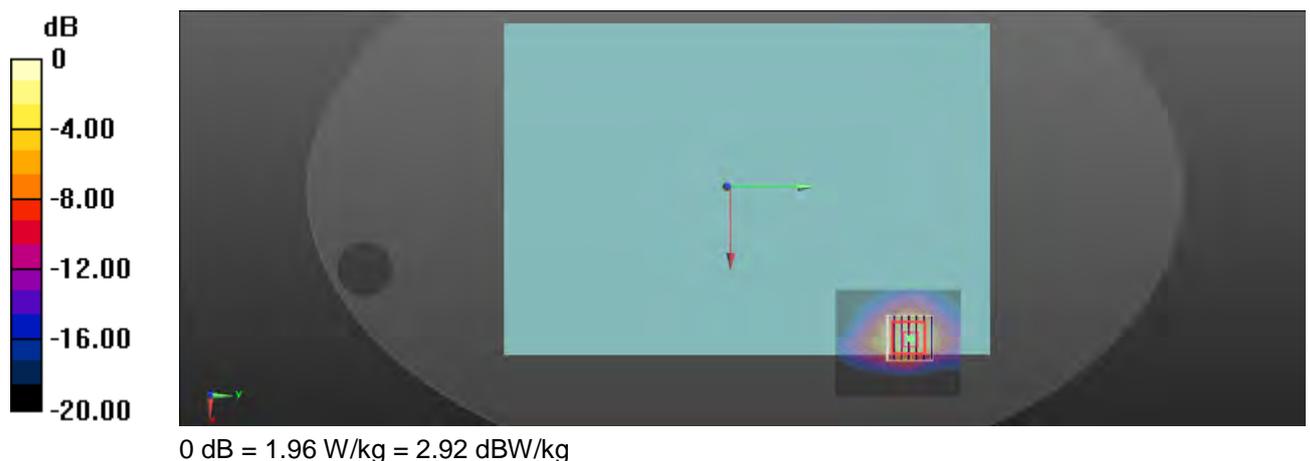
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

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 - SN3977; ConvF(7.28, 7.28, 7.28) @ 2437 MHz; Calibrated: 2021/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2021/7/30
- Phantom: ELI V4.0; Type: QD OVA 001 BB; Serial: 1036
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (61x71x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm
Maximum value of SAR (interpolated) = 2.05 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm
Reference Value = 30.66 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 2.58 W/kg
SAR(1 g) = 1.11 W/kg; SAR(10 g) = 0.465 W/kg
Smallest distance from peaks to all points 3 dB below = 8.1 mm
Ratio of SAR at M2 to SAR at M1 = 45.2%
Maximum value of SAR (measured) = 1.96 W/kg



Test Laboratory: A Test Lab Techno Corp.
Date: 2021/11/17

1119_Bluetooth_CH 78_Bottom Face_0mm_Ant Aux

DUT: B5402CE , B5402CEA, B5402FE, B5408FE, B5402FEA, B5408FEA, B5408CE, B5408CEA, B5402CEAW, B5402FEAW, B5400FE, B5400CE, B5400FEA, B5400CEA

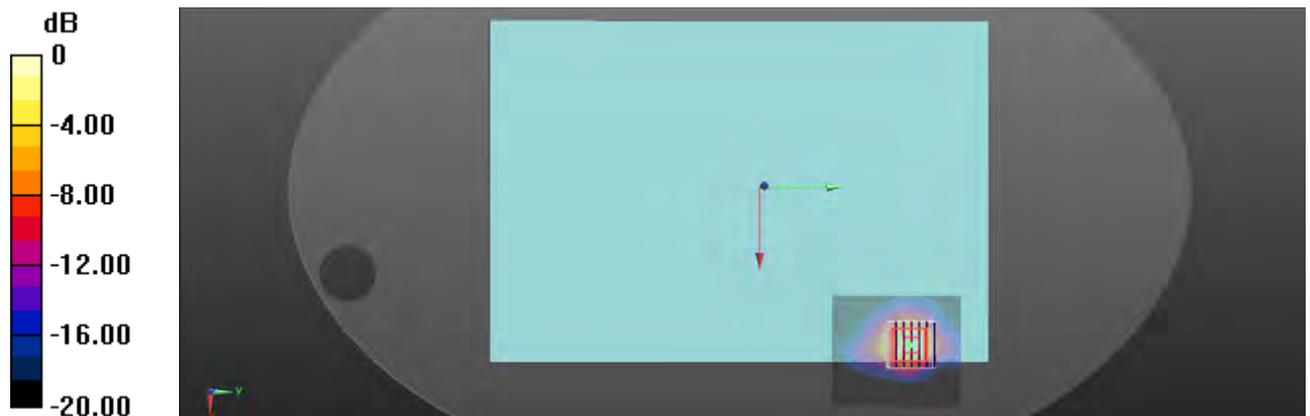
Communication System: UID 0, Bluetooth (0); Frequency: 2480 MHz; Duty Cycle: 1:1.293
Medium parameters used: $f = 2480$ MHz; $\sigma = 1.829$ S/m; $\epsilon_r = 39.289$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.28, 7.28, 7.28) @ 2480 MHz; Calibrated: 2021/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2021/7/30
- Phantom: ELI V4.0; Type: QD OVA 001 BB; Serial: 1036
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (61x71x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm
Maximum value of SAR (interpolated) = 0.479 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm
Reference Value = 14.25 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.585 W/kg
SAR(1 g) = 0.248 W/kg; SAR(10 g) = 0.102 W/kg
Smallest distance from peaks to all points 3 dB below = 7.8 mm
Ratio of SAR at M2 to SAR at M1 = 43.6%
Maximum value of SAR (measured) = 0.447 W/kg



0 dB = 0.447 W/kg = -3.50 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date: 2021/10/26

03_WLAN5GHz_802.11ac VHT160_CH 50_Bottom of laptop_0 mm_Ant Main

DUT: B5402CE , B5402CEA, B5402FE, B5408FE, B5402FEA, B5408FEA, B5408CE, B5408CEA, B5402CEAW, B5402FEAW, B5400FE, B5400CE, B5400FEA, B5400CEA

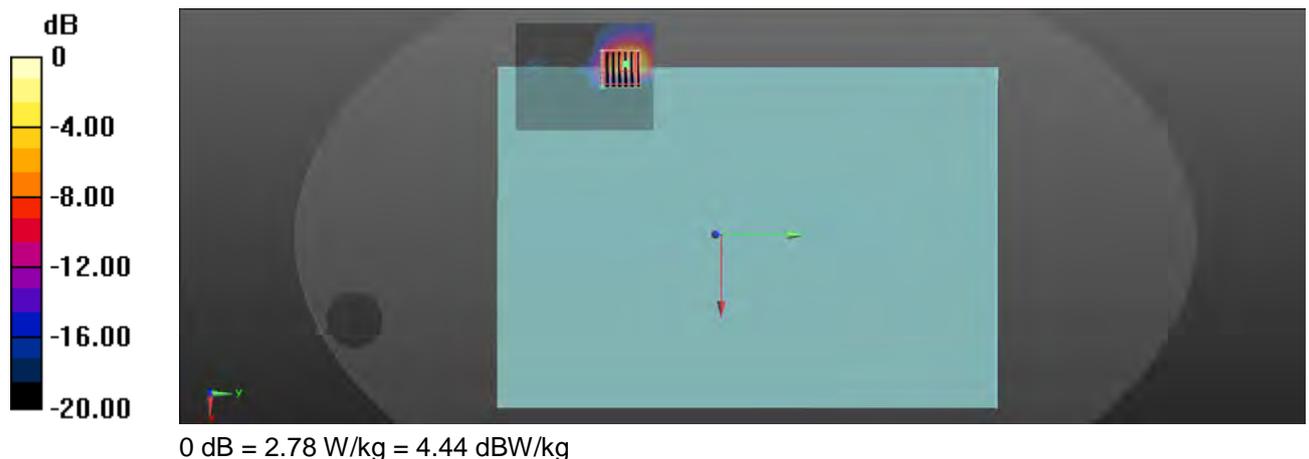
Communication System: UID 0, IEEE 802.11ac(5GHz)VHT160 (0); Frequency: 5250 MHz; Duty Cycle: 1:1.042
Medium parameters used: $f = 5250$ MHz; $\sigma = 4.597$ S/m; $\epsilon_r = 36.891$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

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 - SN3977; ConvF(5.04, 5.04, 5.04) @ 5250 MHz; Calibrated: 2021/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2021/7/30
- Phantom: ELI V4.0; Type: QD OVA 001 BB; Serial: 1036
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (71x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 3.36 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 17.07 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 5.77 W/kg
SAR(1 g) = 1.08 W/kg; SAR(10 g) = 0.235 W/kg
Smallest distance from peaks to all points 3 dB below = 3.2 mm
Ratio of SAR at M2 to SAR at M1 = 66.3%
Maximum value of SAR (measured) = 2.78 W/kg



Test Laboratory: A Test Lab Techno Corp.
Date: 2021/10/26

14_WLAN5GHz_802.11ac_VHT160_CH 50_Bottom Face_0 mm_Ant Aux

DUT: B5402CE , B5402CEA, B5402FE, B5408FE, B5402FEA, B5408FEA, B5408CE, B5408CEA, B5402CEAW, B5402FEAW, B5400FE, B5400CE, B5400FEA, B5400CEA

Communication System: UID 0, IEEE 802.11ac(5GHz)VHT160 (0); Frequency: 5250 MHz;Duty Cycle: 1:1.046

Medium parameters used: $f = 5250$ MHz; $\sigma = 4.597$ S/m; $\epsilon_r = 36.891$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (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 - SN3977; ConvF(5.04, 5.04, 5.04) @ 5250 MHz; Calibrated: 2021/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2021/7/30
- Phantom: ELI V4.0; Type: QD OVA 001 BB; Serial: 1036
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (71x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 2.67 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 15.09 V/m; Power Drift = 0.03 dB

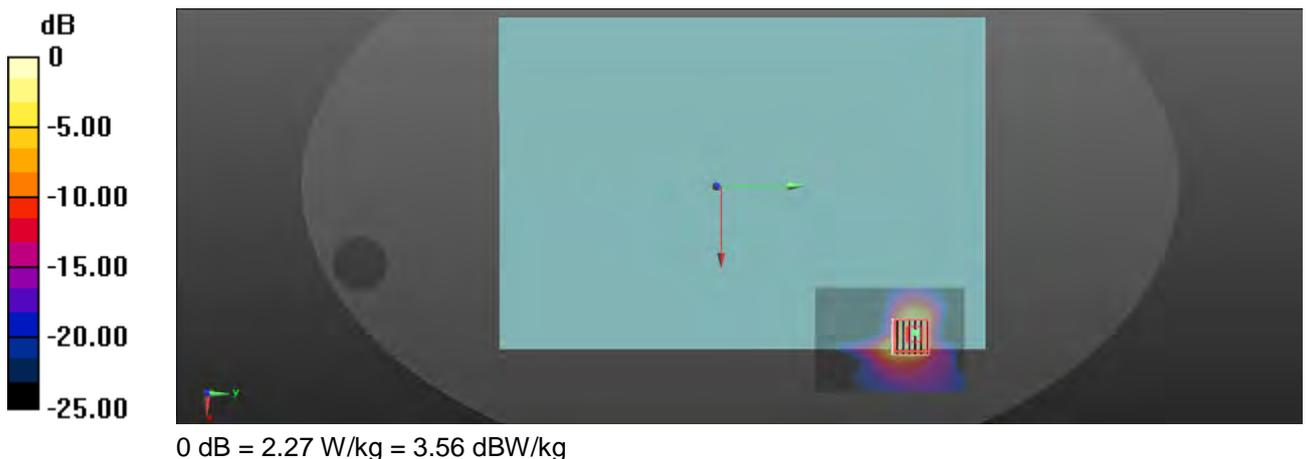
Peak SAR (extrapolated) = 4.18 W/kg

SAR(1 g) = 0.893 W/kg; SAR(10 g) = 0.254 W/kg

Smallest distance from peaks to all points 3 dB below = 6.8 mm

Ratio of SAR at M2 to SAR at M1 = 60.2%

Maximum value of SAR (measured) = 2.27 W/kg



Test Laboratory: A Test Lab Techno Corp.
Date: 2021/11/3

05_WLAN5GHz_802.11ac_VHT80_CH 106_Bottom of laptop_0 mm_Ant Main

DUT: B5402CE , B5402CEA, B5402FE, B5408FE, B5402FEA, B5408FEA, B5408CE, B5408CEA, B5402CEAW, B5402FEAW, B5400FE, B5400CE, B5400FEA, B5400CEA

Communication System: UID 0, IEEE 802.11ac(5GHz)VHT80 (0); Frequency: 5530 MHz;Duty Cycle: 1:1.041

Medium parameters used: $f = 5530$ MHz; $\sigma = 4.974$ S/m; $\epsilon_r = 36.115$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

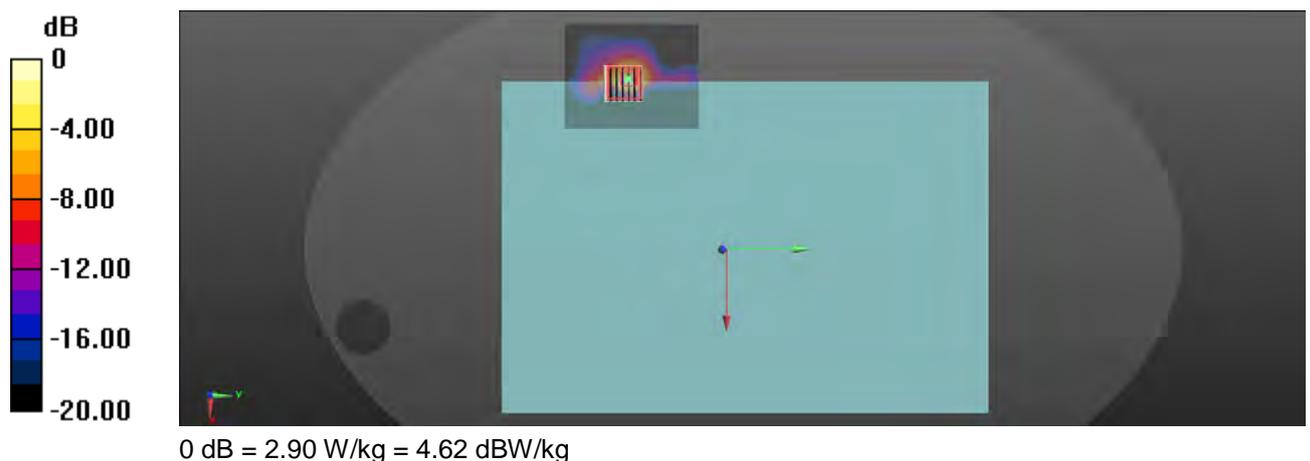
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

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 - SN3977; ConvF(4.61, 4.61, 4.61) @ 5530 MHz; Calibrated: 2021/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2021/7/30
- Phantom: ELI V4.0; Type: QD OVA 001 BB; Serial: 1036
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (71x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 3.61 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 14.62 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 6.02 W/kg
SAR(1 g) = 1 W/kg; SAR(10 g) = 0.219 W/kg
Smallest distance from peaks to all points 3 dB below = 3.2 mm
Ratio of SAR at M2 to SAR at M1 = 64%
Maximum value of SAR (measured) = 2.90 W/kg



Test Laboratory: A Test Lab Techno Corp.
Date: 2021/10/26

16_WLAN5GHz_802.11ac_VHT160_CH 114_Bottom Face_0 mm_Ant Aux

DUT: B5402CE , B5402CEA, B5402FE, B5408FE, B5402FEA, B5408FEA, B5408CE, B5408CEA, B5402CEAW, B5402FEAW, B5400FE, B5400CE, B5400FEA, B5400CEA

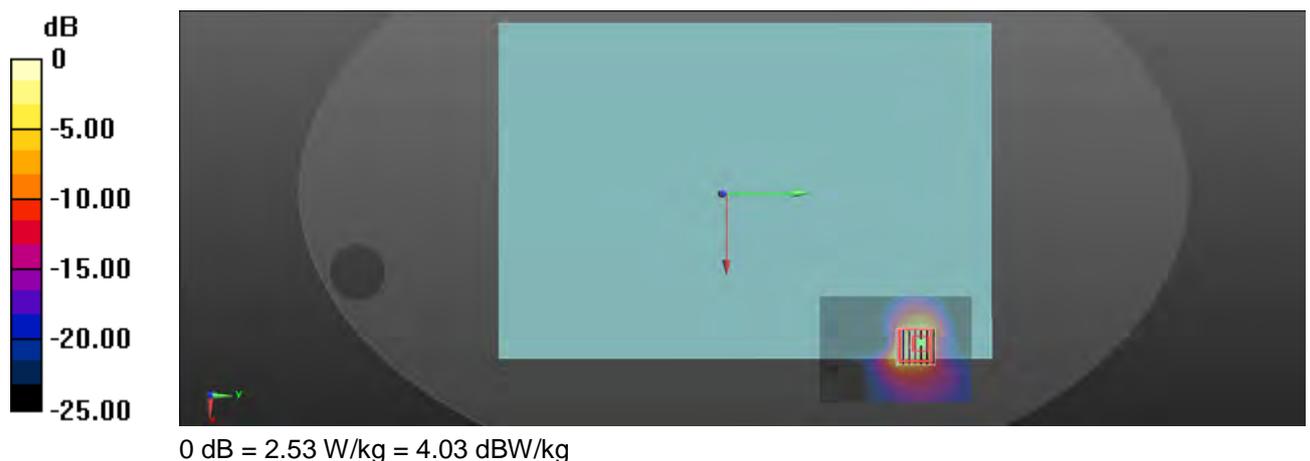
Communication System: UID 0, IEEE 802.11ac(5GHz)VHT160 (0); Frequency: 5570 MHz;Duty Cycle: 1:1.046
Medium parameters used: $f = 5570$ MHz; $\sigma = 4.892$ S/m; $\epsilon_r = 36.439$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

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 - SN3977; ConvF(4.61, 4.61, 4.61) @ 5570 MHz; Calibrated: 2021/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2021/7/30
- Phantom: ELI V4.0; Type: QD OVA 001 BB; Serial: 1036
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (71x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 3.03 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 14.65 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 5.01 W/kg
SAR(1 g) = 0.992 W/kg; SAR(10 g) = 0.290 W/kg
Smallest distance from peaks to all points 3 dB below = 6.4 mm
Ratio of SAR at M2 to SAR at M1 = 58.5%
Maximum value of SAR (measured) = 2.53 W/kg



Test Laboratory: A Test Lab Techno Corp.
Date: 2021/10/27

07_WLAN5GHz_802.11ac VHT80_CH 155_Bottom of laptop_0 mm_Ant Main

DUT: B5402CE , B5402CEA, B5402FE, B5408FE, B5402FEA, B5408FEA, B5408CE, B5408CEA, B5402CEAW, B5402FEAW, B5400FE, B5400CE, B5400FEA, B5400CEA

Communication System: UID 0, IEEE 802.11ac(5GHz)VHT80 (0); Frequency: 5775 MHz;Duty Cycle: 1:1.041

Medium parameters used: $f = 5775$ MHz; $\sigma = 5.175$ S/m; $\epsilon_r = 35.989$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

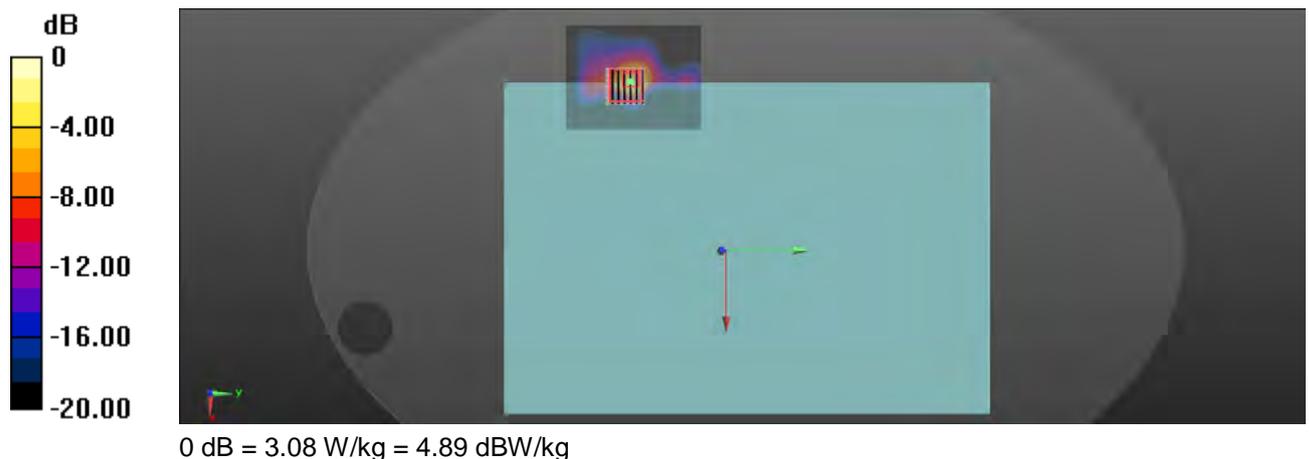
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

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 - SN3977; ConvF(4.64, 4.64, 4.64) @ 5775 MHz; Calibrated: 2021/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2021/7/30
- Phantom: ELI V4.0; Type: QD OVA 001 BB; Serial: 1036
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (71x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 2.92 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 11.74 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 5.71 W/kg
SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.226 W/kg
Smallest distance from peaks to all points 3 dB below = 4.9 mm
Ratio of SAR at M2 to SAR at M1 = 59.5%
Maximum value of SAR (measured) = 3.08 W/kg



Test Laboratory: A Test Lab Techno Corp.
Date: 2021/10/27

18_WLAN5GHz_802.11ac VHT80_CH 155_Bottom Face_0 mm_Ant Aux

DUT: B5402CE , B5402CEA, B5402FE, B5408FE, B5402FEA, B5408FEA, B5408CE, B5408CEA, B5402CEAW, B5402FEAW, B5400FE, B5400CE, B5400FEA, B5400CEA

Communication System: UID 0, IEEE 802.11ac(5GHz)VHT80 (0); Frequency: 5775 MHz;Duty Cycle: 1:1.038

Medium parameters used: $f = 5775$ MHz; $\sigma = 5.175$ S/m; $\epsilon_r = 35.989$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (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 - SN3977; ConvF(4.64, 4.64, 4.64) @ 5775 MHz; Calibrated: 2021/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2021/7/30
- Phantom: ELI V4.0; Type: QD OVA 001 BB; Serial: 1036
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (71x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 2.83 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 17.12 V/m; Power Drift = 0.18 dB

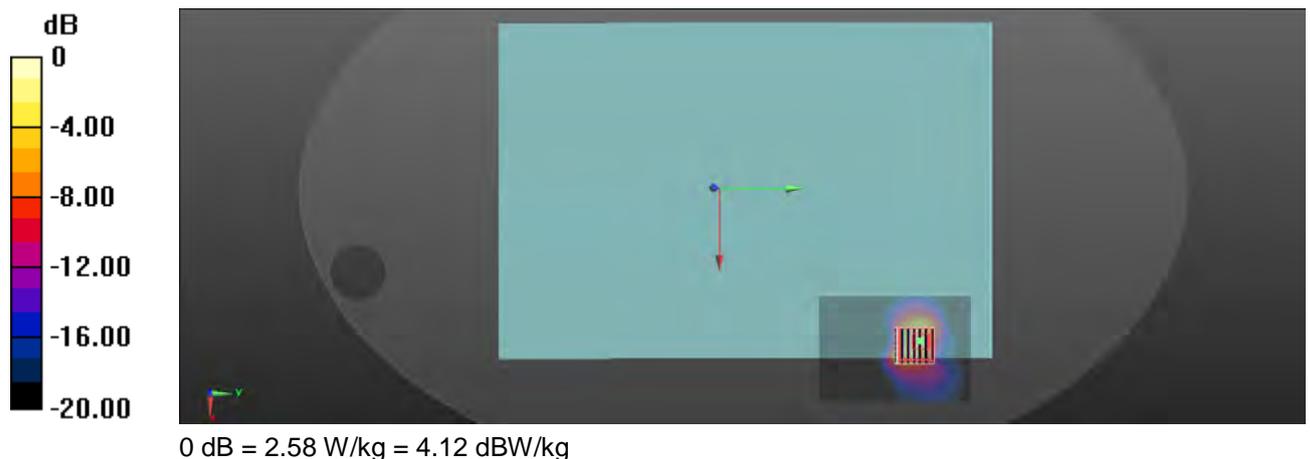
Peak SAR (extrapolated) = 4.92 W/kg

SAR(1 g) = 0.999 W/kg; SAR(10 g) = 0.300 W/kg

Smallest distance from peaks to all points 3 dB below = 6.4 mm

Ratio of SAR at M2 to SAR at M1 = 58.6%

Maximum value of SAR (measured) = 2.58 W/kg



207_WLAN6GHz_802.11ax HE160_CH 15_Side 1_0 mm_Ant Main

Device under Test Properties

Model: B5402CE , B5402CEA, B5402FE, B5408FE, B5402FEA, B5408FEA, B5408CE, B5408CEA, B5402CEAW, B5402FEAW, B5400FE, B5400CE, B5400FEA, B5400CEA

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,	Side 1, 0.00	U-NII-5	WLAN, 10755-AAC	6025.0, 15	5.6	5.64	35.2

Hardware Setup

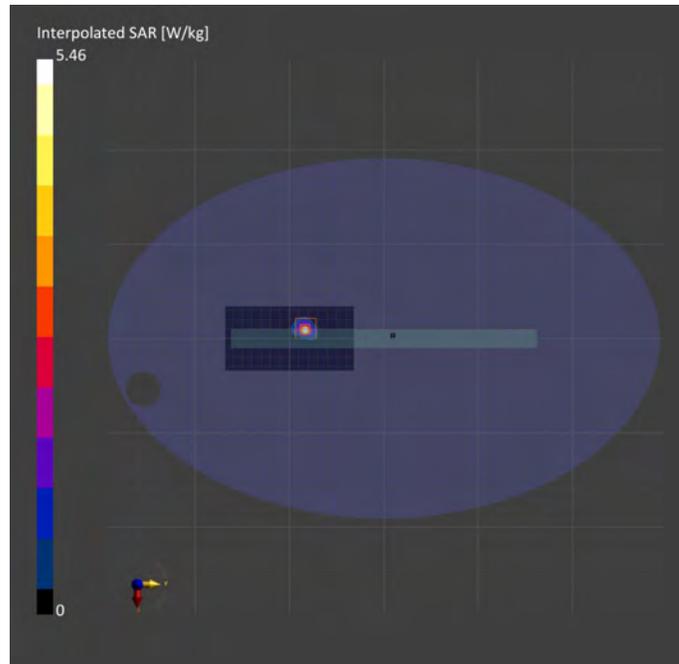
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) - 1175	HSL6G	EX3DV4 - SN3847, 2021-03-26	DAE4 Sn541, 2021-03-22

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	68.0 x 136.0	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	2021-10-24	2021-10-24
psSAR1g [W/Kg]	0.933	0.952
psSAR10g [W/Kg]	0.204	0.200
Power Drift [dB]	0.06	-0.01
TSL Correction	Positive only	Positive only
M2/M1 [%]		52.9
Dist 3dB Peak [mm]		4.6



201_WLAN6GHz_802.11ax HE160_CH 15_Bottom Face_0 mm_Ant Aux

Device under Test Properties

Model: B5402CE , B5402CEA, B5402FE, B5408FE, B5402FEA, B5408FEA, B5408CE, B5408CEA, B5402CEAW, B5402FEAW, B5400FE, B5400CE, B5400FEA, B5400CEA

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 Face, 0.00	U-NII-5	WLAN, 10755-AAC	6025.0, 15	5.6	5.64	35.2

Hardware Setup

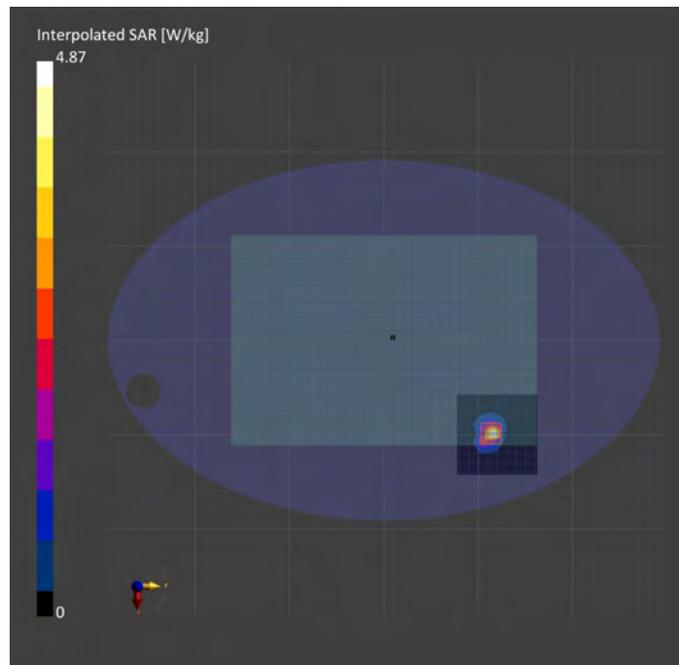
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) - 1175	HSL6G	EX3DV4 - SN3847, 2021-03-26	DAE4 Sn541, 2021-03-22

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	2021-10-24	2021-10-24
psSAR1g [W/Kg]	0.922	1.00
psSAR10g [W/Kg]	0.284	0.302
Power Drift [dB]	0.04	0.08
TSL Correction	Positive only	Positive only
M2/M1 [%]		51.3
Dist 3dB Peak [mm]		6.3



208_WLAN6GHz_802.11ax HE80_CH 103_Side 1_0 mm_Ant Main

Device under Test Properties

Model: B5402CE , B5402CEA, B5402FE, B5408FE, B5402FEA, B5408FEA, B5408CE, B5408CEA, B5402CEAW, B5402FEAW, B5400FE, B5400CE, B5400FEA, B5400CEA

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,	Side 1, 0.00	U-NII-6	WLAN, 10731-AAC	6465.0, 103	5.6	6.19	34.4

Hardware Setup

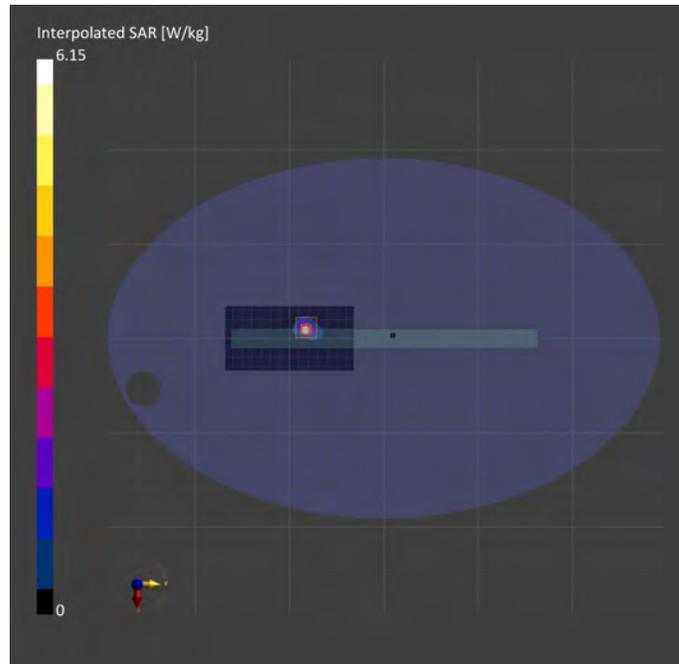
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) - 1175	HSL6G	EX3DV4 - SN3847, 2021-03-26	DAE4 Sn541, 2021-03-22

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	68.0 x 136.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.2 x 3.2 x 1.2
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2021-10-25	2021-10-25
psSAR1g [W/Kg]	0.957	0.990
psSAR10g [W/Kg]	0.211	0.204
Power Drift [dB]	-0.07	0.11
TSL Correction	Positive only	Positive only
M2/M1 [%]		52.9
Dist 3dB Peak [mm]		4.3



202_WLAN6GHz_802.11ax HE160_CH 111_Bottom Face_0 mm_Ant Aux

Device under Test Properties

Model: B5402CE , B5402CEA, B5402FE, B5408FE, B5402FEA, B5408FEA, B5408CE, B5408CEA, B5402CEAW, B5402FEAW, B5400FE, B5400CE, B5400FEA, B5400CEA

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 Face, 0.00	U-NII-6	WLAN, 10755-AAC	6505.0, 111	5.6	6.21	34.3

Hardware Setup

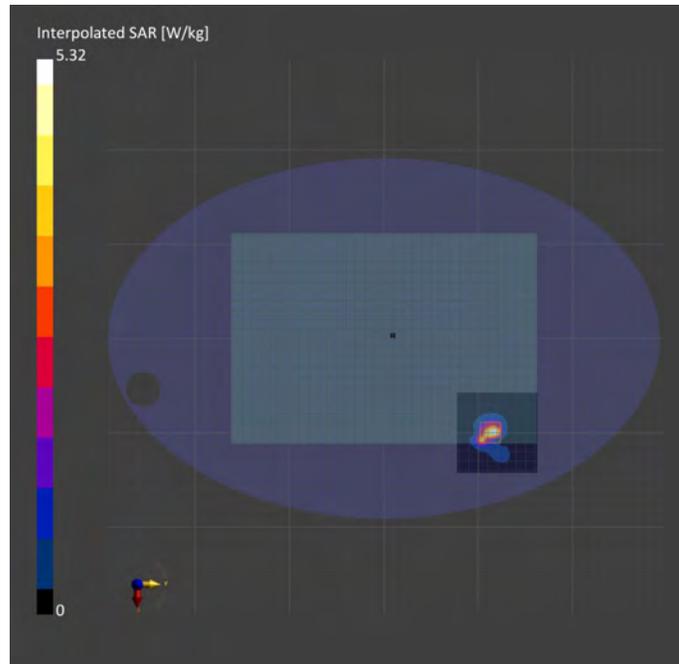
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) - 1175	HSL6G	EX3DV4 - SN3847, 2021-03-26	DAE4 Sn541, 2021-03-22

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	2021-10-25	2021-10-25
psSAR1g [W/Kg]	0.890	0.998
psSAR10g [W/Kg]	0.272	0.303
Power Drift [dB]	-0.03	-0.15
TSL Correction	Positive only	Positive only
M2/M1 [%]		47.9
Dist 3dB Peak [mm]		5.4



206_WLAN6GHz_802.11ax HE160_CH 143_Side 1_0 mm_Ant Main

Device under Test Properties

Model: B5402CE , B5402CEA, B5402FE, B5408FE, B5402FEA, B5408FEA, B5408CE, B5408CEA, B5402CEAW, B5402FEAW, B5400FE, B5400CE, B5400FEA, B5400CEA

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,	Side 1, 0.00	U-NII-7	WLAN, 10755-AAC	6665.0, 143	5.6	6.41	33.8

Hardware Setup

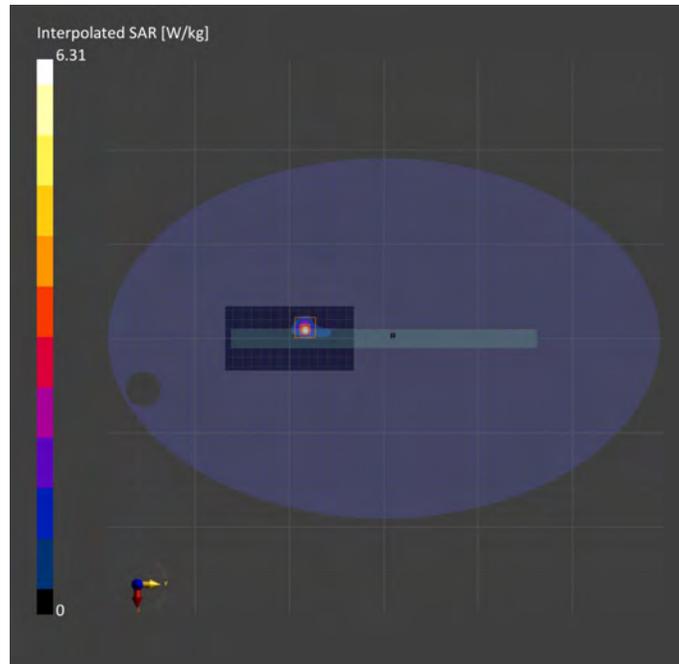
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) - 1175	HSL6G	EX3DV4 - SN3847, 2021-03-26	DAE4 Sn541, 2021-03-22

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	68.0 x 136.0	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	2021-10-25	2021-10-25
psSAR1g [W/Kg]	0.955	0.979
psSAR10g [W/Kg]	0.206	0.197
Power Drift [dB]	-0.02	-0.09
TSL Correction	Positive only	Positive only
M2/M1 [%]		49.7
Dist 3dB Peak [mm]		4.9



203_WLAN6GHz_802.11ax HE160_CH 143_Bottom Face_0 mm_Ant Aux

Device under Test Properties

Model: B5402CE , B5402CEA, B5402FE, B5408FE, B5402FEA, B5408FEA, B5408CE, B5408CEA, B5402CEAW, B5402FEAW, B5400FE, B5400CE, B5400FEA, B5400CEA

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 Face, 0.00	U-NII-7	WLAN, 10755-AAC	6665.0, 143	5.6	6.41	33.8

Hardware Setup

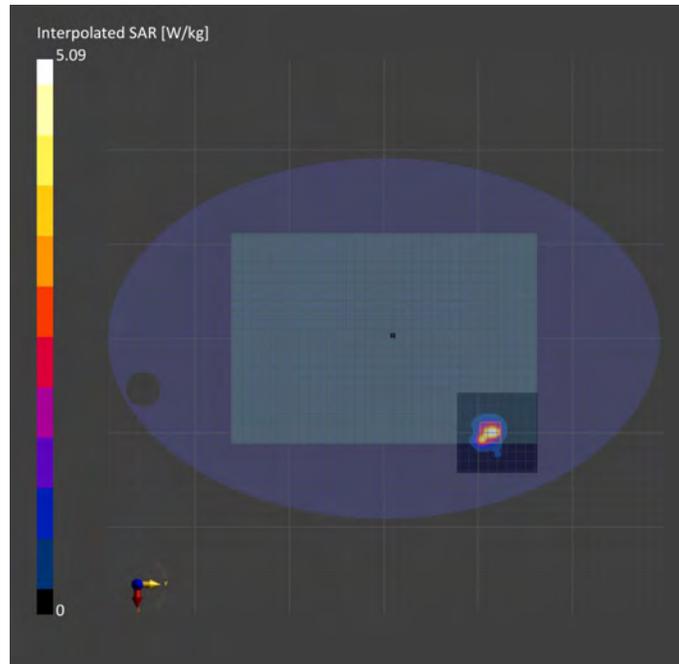
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) - 1175	HSL6G , --	EX3DV4 - SN3847, 2021-03-26	DAE4 Sn541, 2021-03-22

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	2021-10-25	2021-10-25
psSAR1g [W/Kg]	0.855	0.920
psSAR10g [W/Kg]	0.272	0.280
Power Drift [dB]	-0.04	-0.07
TSL Correction	Positive only	Positive only
M2/M1 [%]		46.9
Dist 3dB Peak [mm]		5.8



205_WLAN6GHz_802.11ax HE160_CH 207_ Bottom Face_0 mm_Ant Main

Device under Test Properties

Model: B5402CE , B5402CEA, B5402FE, B5408FE, B5402FEA, B5408FEA, B5408CE, B5408CEA, B5402CEAW, B5402FEAW, B5400FE, B5400CE, B5400FEA, B5400CEA

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 Face, 0.00	U-NII-8	WLAN, 10755-AAC	6985.0, 207	5.6	6.79	33.4

Hardware Setup

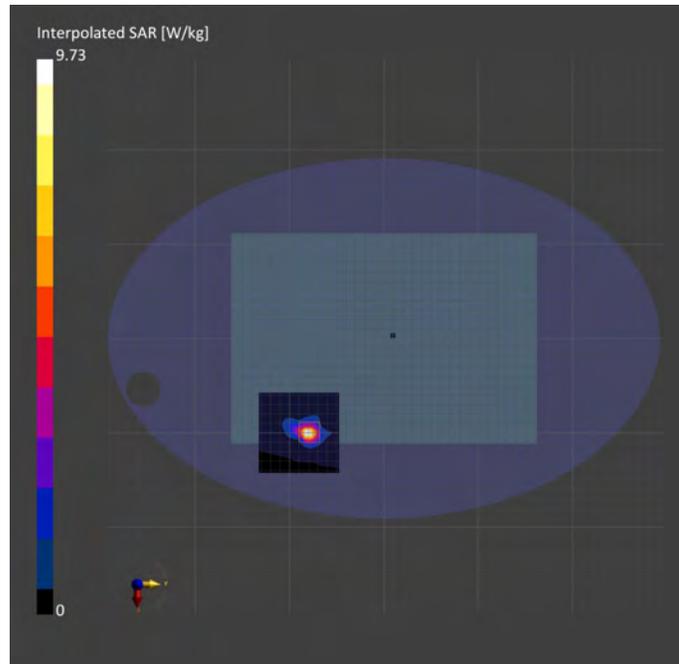
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) - 1175	HSL6G	EX3DV4 - SN3847, 2021-03-26	DAE4 Sn541, 2021-03-22

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	2021-10-24	2021-10-24
psSAR1g [W/Kg]	0.940	1.00
psSAR10g [W/Kg]	0.267	0.280
Power Drift [dB]	0.19	0.14
TSL Correction	Positive only	Positive only
M2/M1 [%]		48.3
Dist 3dB Peak [mm]		5.8



204_WLAN6GHz_802.11ax HE160_CH 207_Bottom Face_0 mm_Ant Aux

Device under Test Properties

Model: B5402CE , B5402CEA, B5402FE, B5408FE, B5402FEA, B5408FEA, B5408CE, B5408CEA, B5402CEAW, B5402FEAW, B5400FE, B5400CE, B5400FEA, B5400CEA

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 Face, 0.00	U-NII-8	WLAN, 10755-AAC	6985.0, 207	5.6	6.79	33.4

Hardware Setup

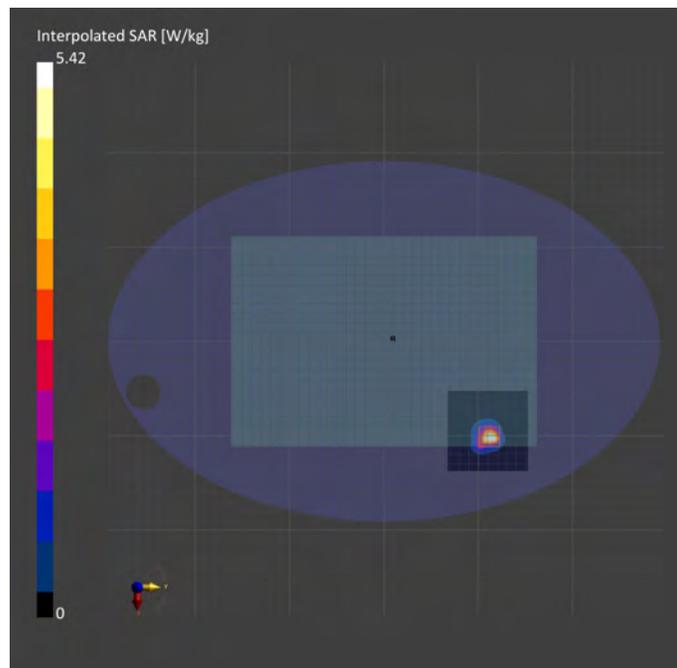
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) - 1175	HSL6G	EX3DV4 - SN3847, 2021-03-26	DAE4 Sn541, 2021-03-22

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	2021-10-24	2021-10-24
psSAR1g [W/Kg]	0.808	0.920
psSAR10g [W/Kg]	0.240	0.254
Power Drift [dB]	0.11	0.04
TSL Correction	Positive only	Positive only
M2/M1 [%]		45.9
Dist 3dB Peak [mm]		6.1



- **Power Density Highest Measurement Plots**

250_WLAN6GHz_802.11ax HE160_CH 15_Side 1_2 mm_Ant Main

Device under Test Properties

Model, Manufacturer

B5402CE , B5402CEA, B5402FE, B5408FE, B5402FEA, B5408FEA, B5408CE, B5408CEA, B5402CEAW, B5402FEAW, B5400FE, B5400CE, B5400FEA, B5400CEA

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	Side 1, 2.00	U-NII-5	WLAN, 10755-AAC	6025.0, 15	1.0

Hardware Setup

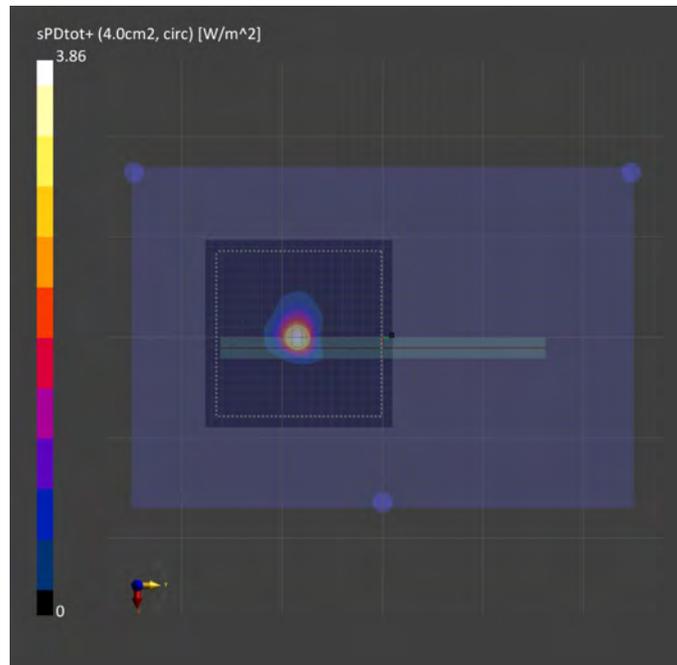
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 5G Phantom	Air---	EUmmWV3 - SN9403_F1-55GHz, 2021-09-20	DAE4 Sn541, 2021-03-22

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	2021-10-29
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	3.27
psPDtot+ [W/m ²]	3.86
psPDmod+ [W/m ²]	4.36
E _{max} [V/m]	59.4
H _{max} [A/m]	0.153
Power Drift [dB]	0.04



251_WLAN6GHz_802.11ax HE160_CH 15_Bottom Face_2 mm_Ant Aux

Device under Test Properties

Model, Manufacturer

B5402CE , B5402CEA, B5402FE, B5408FE, B5402FEA, B5408FEA, B5408CE, B5408CEA, B5402CEAW, B5402FEAW, B5400FE, B5400CE, B5400FEA, B5400CEA

Exposure Conditions

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

Hardware Setup

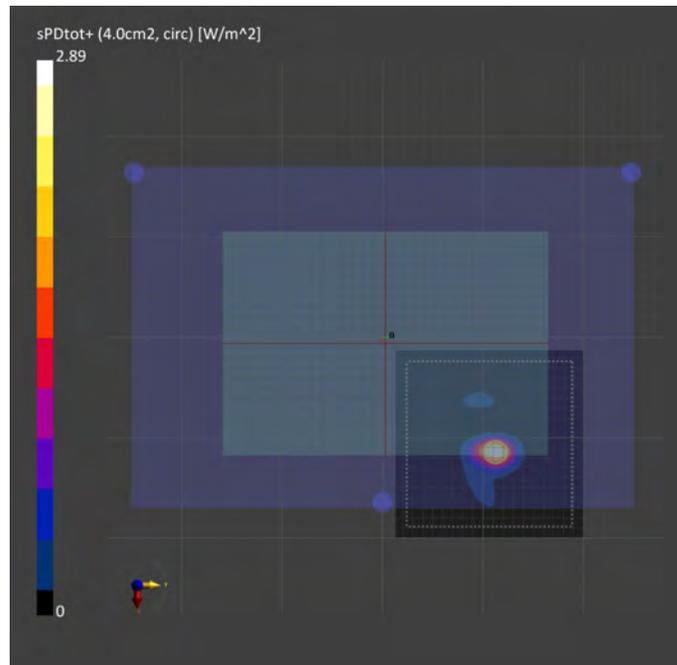
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 5G Phantom	Air---	EUmmWV3 - SN9403_F1-55GHz, 2021-09-20	DAE4 Sn541, 2021-03-22

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	2021-10-29
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	2.64
psPDtot+ [W/m ²]	2.89
psPDmod+ [W/m ²]	5.00
E _{max} [V/m]	61.8
H _{max} [A/m]	0.172
Power Drift [dB]	-0.08



252_WLAN6GHz_802.11ax HE160_CH 111_Bottom Face_2 mm_Ant Main

Device under Test Properties

Model, Manufacturer

B5402CE , B5402CEA, B5402FE, B5408FE, B5402FEA, B5408FEA, B5408CE, B5408CEA, B5402CEAW, B5402FEAW, B5400FE, B5400CE, B5400FEA, B5400CEA

Exposure Conditions

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

Hardware Setup

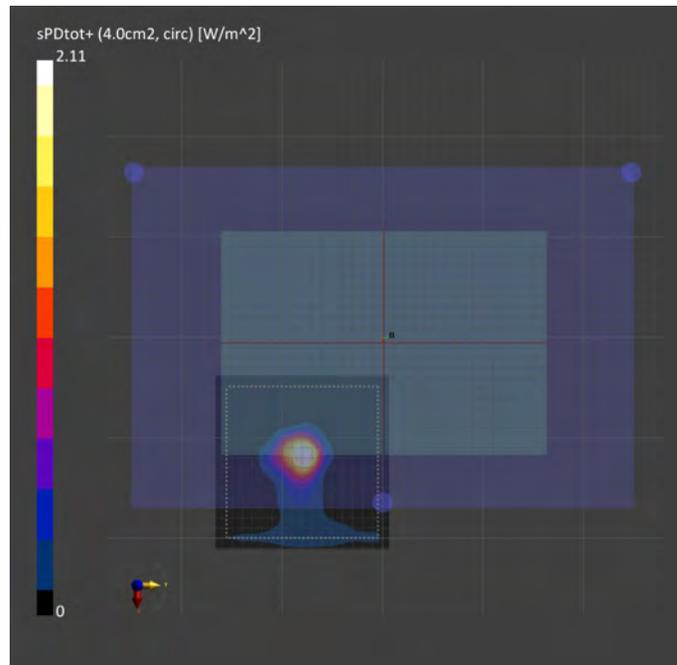
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 5G Phantom	Air---	EUmmWV3 - SN9403_F1-55GHz, 2021-09-20	DAE4 Sn541, 2021-03-22

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	2021-10-29
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	1.92
psPDtot+ [W/m ²]	2.11
psPDmod+ [W/m ²]	3.03
E _{max} [V/m]	53.1
H _{max} [A/m]	0.125
Power Drift [dB]	0.15



253_WLAN6GHz_802.11ax HE80_CH 103_Side 1_2 mm_Ant Main

Device under Test Properties

Model, Manufacturer

B5402CE , B5402CEA, B5402FE, B5408FE, B5402FEA, B5408FEA, B5408CE, B5408CEA, B5402CEAW, B5402FEAW, B5400FE, B5400CE, B5400FEA, B5400CEA

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	Side 1, 2.00	U-NII-6	WLAN, 10731-AAC	6465.0, 103	1.0

Hardware Setup

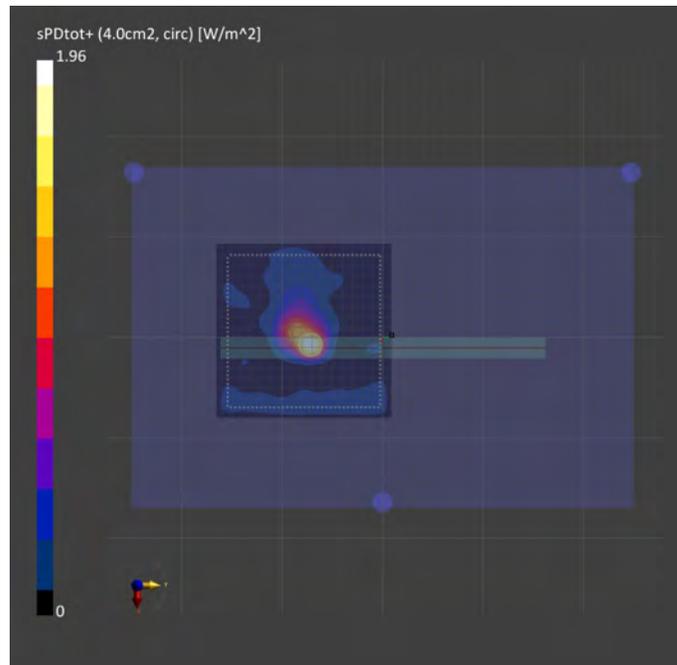
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 5G Phantom	Air---	EUmmWV3 - SN9403_F1-55GHz, 2021-09-20	DAE4 Sn541, 2021-03-22

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	2021-10-29
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	1.22
psPDtot+ [W/m ²]	1.96
psPDmod+ [W/m ²]	2.92
E _{max} [V/m]	44.8
H _{max} [A/m]	0.189
Power Drift [dB]	-0.02



254_WLAN6GHz_802.11ax HE160_CH 111_Bottom Face_2 mm_Ant Aux

Device under Test Properties

Model, Manufacturer

B5402CE , B5402CEA, B5402FE, B5408FE, B5402FEA, B5408FEA, B5408CE, B5408CEA, B5402CEAW, B5402FEAW, B5400FE, B5400CE, B5400FEA, B5400CEA

Exposure Conditions

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

Hardware Setup

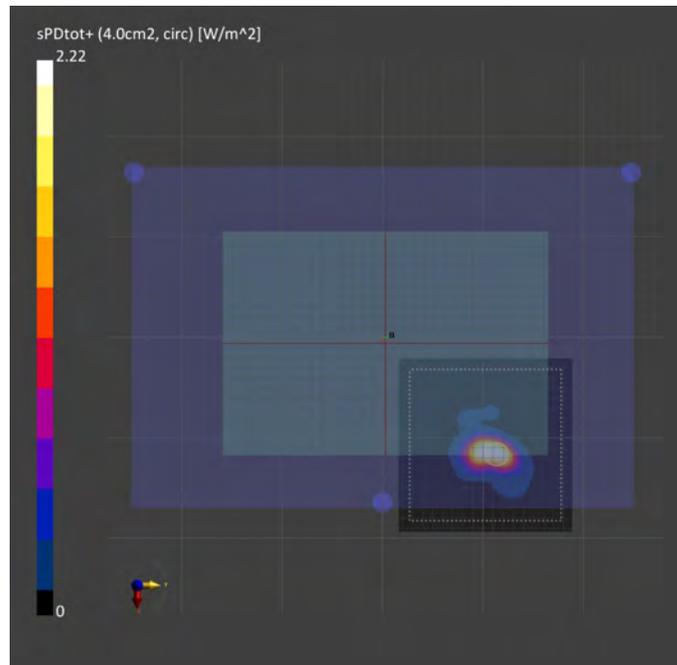
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 5G Phantom	Air---	EUmmWV3 - SN9403_F1-55GHz, 2021-09-20	DAE4 Sn541, 2021-03-22

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	2021-10-29
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	1.90
psPDtot+ [W/m ²]	2.22
psPDmod+ [W/m ²]	3.84
E _{max} [V/m]	52.8
H _{max} [A/m]	0.150
Power Drift [dB]	0.01



255_WLAN6GHz_802.11ax HE80_CH 103_Bottom Face_2 mm_Ant Aux

Device under Test Properties

Model, Manufacturer

B5402CE , B5402CEA, B5402FE, B5408FE, B5402FEA, B5408FEA, B5408CE, B5408CEA, B5402CEAW, B5402FEAW, B5400FE, B5400CE, B5400FEA, B5400CEA

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	Bottom Face, 2.00	U-NII-6	WLAN, 10731-AAC	6465.0, 103	1.0

Hardware Setup

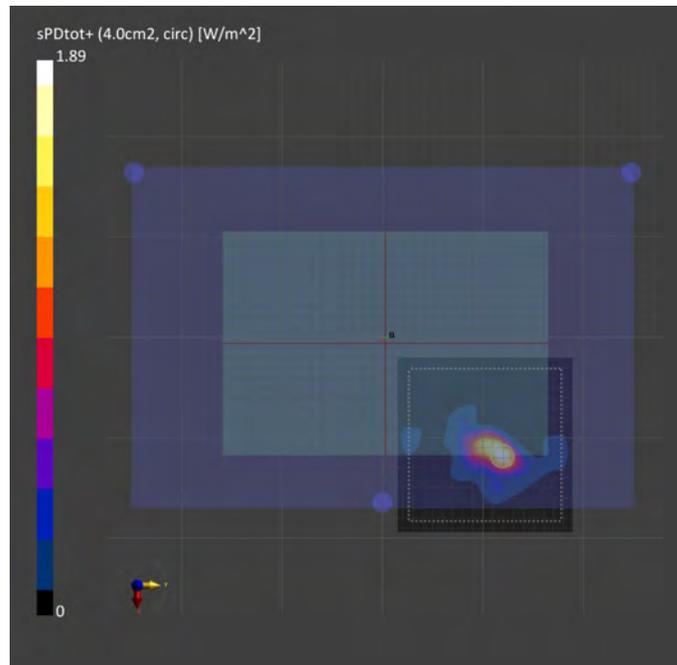
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 5G Phantom	Air---	EUmmWV3 - SN9403_F1-55GHz, 2021-09-20	DAE4 Sn541, 2021-03-22

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	2021-10-29
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	1.55
psPDtot+ [W/m ²]	1.89
psPDmod+ [W/m ²]	3.22
E _{max} [V/m]	51.8
H _{max} [A/m]	0.152
Power Drift [dB]	-0.03



256_WLAN6GHz_802.11ax HE160_CH 143_Side 1_2 mm_Ant Main

Device under Test Properties

Model, Manufacturer

B5402CE , B5402CEA, B5402FE, B5408FE, B5402FEA, B5408FEA, B5408CE, B5408CEA, B5402CEAW, B5402FEAW, B5400FE, B5400CE, B5400FEA, B5400CEA

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	Side 1, 2.00	U-NII-7	WLAN, 10755-AAC	6665.0, 143	1.0

Hardware Setup

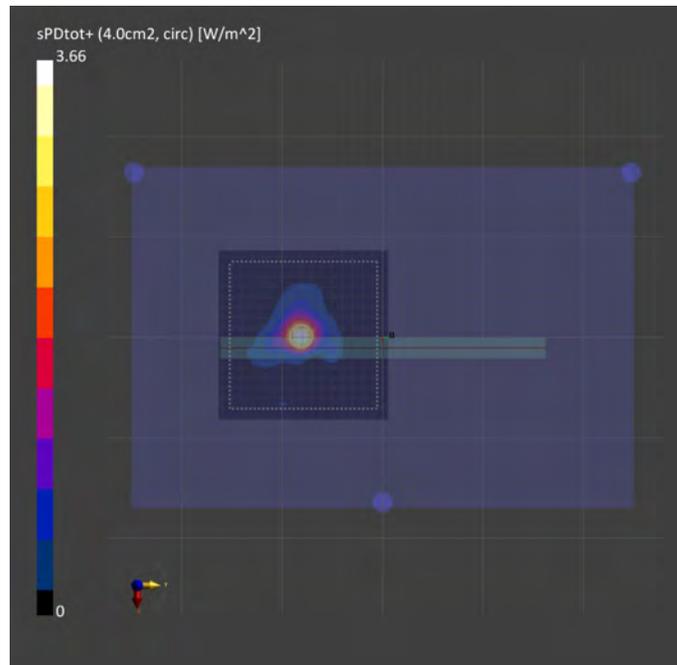
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 5G Phantom	Air---	EUmmWV3 - SN9403_F1-55GHz, 2021-09-20	DAE4 Sn541, 2021-03-22

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	2021-10-29
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	3.34
psPDtot+ [W/m ²]	3.66
psPDmod+ [W/m ²]	4.03
E _{max} [V/m]	60.3
H _{max} [A/m]	0.135
Power Drift [dB]	-0.01



257_WLAN6GHz_802.11ax HE160_CH 143_Bottom Face_2 mm_Ant Aux

Device under Test Properties

Model, Manufacturer

B5402CE , B5402CEA, B5402FE, B5408FE, B5402FEA, B5408FEA, B5408CE, B5408CEA, B5402CEAW, B5402FEAW, B5400FE, B5400CE, B5400FEA, B5400CEA

Exposure Conditions

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

Hardware Setup

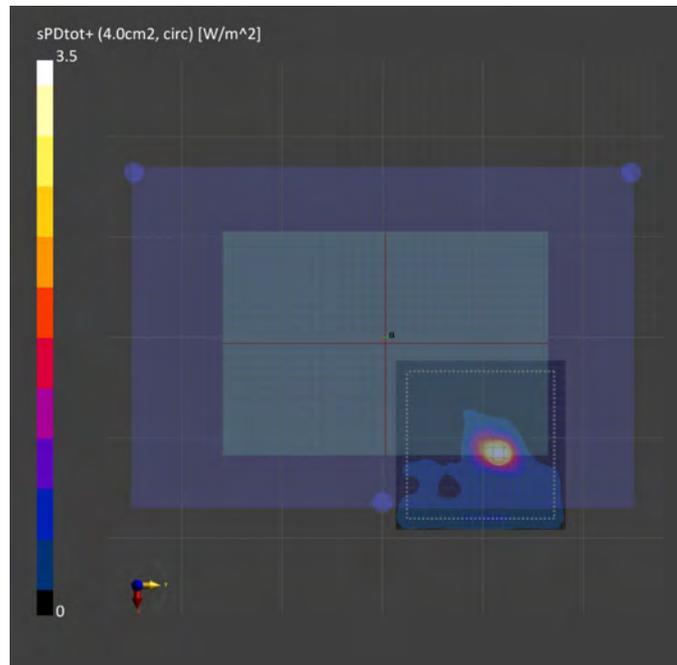
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 5G Phantom	Air---	EUmmWV3 - SN9403_F1-55GHz, 2021-09-20	DAE4 Sn541, 2021-03-22

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	2021-10-29
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	3.25
psPDtot+ [W/m ²]	3.50
psPDmod+ [W/m ²]	4.21
E _{max} [V/m]	59.5
H _{max} [A/m]	0.146
Power Drift [dB]	-0.09



258_WLAN6GHz_802.11ax HE160_CH 207_Bottom Face_2 mm_Ant Main

Device under Test Properties

Model, Manufacturer

B5402CE , B5402CEA, B5402FE, B5408FE, B5402FEA, B5408FEA, B5408CE, B5408CEA, B5402CEAW, B5402FEAW, B5400FE, B5400CE, B5400FEA, B5400CEA

Exposure Conditions

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

Hardware Setup

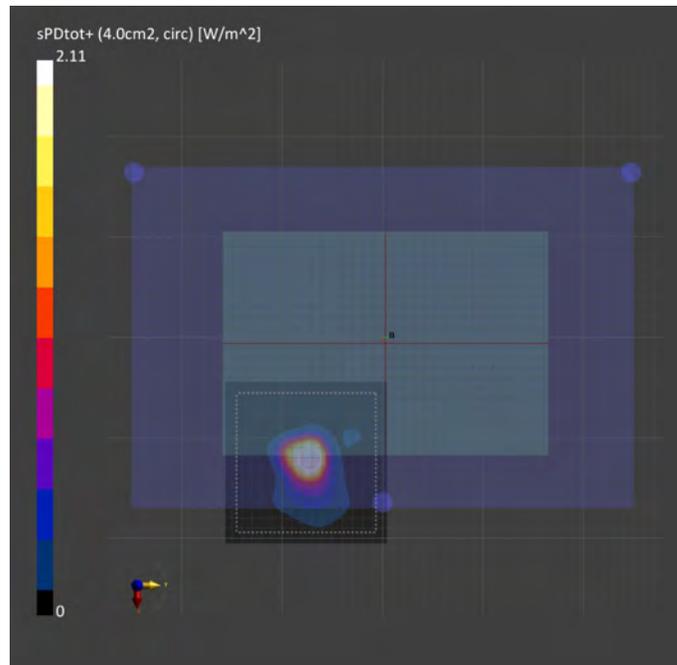
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 5G Phantom	Air---	EUmmWV3 - SN9403_F1-55GHz, 2021-09-20	DAE4 Sn541, 2021-03-22

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	2021-10-29
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	2.82
psPDtot+ [W/m ²]	3.09
psPDmod+ [W/m ²]	3.88
E _{max} [V/m]	60.4
H _{max} [A/m]	0.120
Power Drift [dB]	-0.13



259_WLAN6GHz_802.11ax HE160_CH 207_Bottom Face_2 mm_Ant Aux

Device under Test Properties

Model, Manufacturer

B5402CE , B5402CEA, B5402FE, B5408FE, B5402FEA, B5408FEA, B5408CE, B5408CEA, B5402CEAW, B5402FEAW, B5400FE, B5400CE, B5400FEA, B5400CEA

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	Bottom Face, 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	2021-10-29
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	2.23
psPDtot+ [W/m ²]	2.69
psPDmod+ [W/m ²]	6.42
E _{max} [V/m]	76.9
H _{max} [A/m]	0.200
Power Drift [dB]	-0.12

