

Appendix C - SAR Highest Measurement Plots

Test Laboratory: A Test Lab Techno Corp.
Date: 2021/11/15

05_WLAN2.4GHz_802.11b_CH 1_Bottom Face_0 mm_Ant Main

DUT: GV301R, GV301RA, GV301RE, GV301RC, PV301R, PV301RA, PV301RE, PV301RC

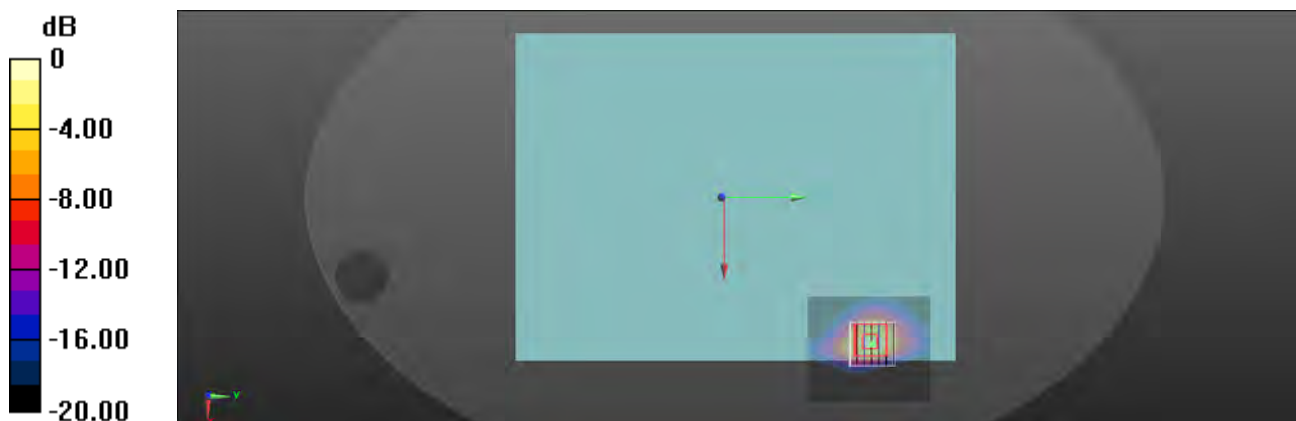
Communication System: UID 0, IEEE 802.11b (0); Frequency: 2412 MHz; Duty Cycle: 1:1.003
Medium parameters used: $f = 2412$ MHz; $\sigma = 1.808$ S/m; $\epsilon_r = 38.782$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2007)

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) @ 2412 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: DASYS2, 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) = 1.88 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 31.91 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 2.86 W/kg
SAR(1 g) = 0.982 W/kg; SAR(10 g) = 0.338 W/kg
Smallest distance from peaks to all points 3 dB below = 5.4 mm
Ratio of SAR at M2 to SAR at M1 = 36.9%
Maximum value of SAR (measured) = 1.87 W/kg



0 dB = 1.87 W/kg = 2.72 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date: 2021/11/15

15_WLAN2.4GHz_802.11b_CH 11_Bottom Face_0 mm_Ant Aux

DUT: GV301R, GV301RA, GV301RE, GV301RC, PV301R, PV301RA, PV301RE, PV301RC

Communication System: UID 0, IEEE 802.11b (0); Frequency: 2462 MHz;Duty Cycle: 1:1.003
Medium parameters used: $f = 2462$ MHz; $\sigma = 1.86$ S/m; $\epsilon_r = 38.596$; $\rho = 1000$ 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 - SN3977; ConvF(7.28, 7.28, 7.28) @ 2462 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) = 2.33 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 28.33 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 2.57 W/kg
SAR(1 g) = 1 W/kg; SAR(10 g) = 0.357 W/kg
Smallest distance from peaks to all points 3 dB below = 7.3 mm
Ratio of SAR at M2 to SAR at M1 = 44.1%
Maximum value of SAR (measured) = 1.92 W/kg



Test Laboratory: A Test Lab Techno Corp.
Date: 2021/11/15

28_Bluetooth_CH 78_Bottom Face_0 mm_Ant Aux

DUT: GV301R, GV301RA, GV301RE, GV301RC, PV301R, PV301RA, PV301RE, PV301RC

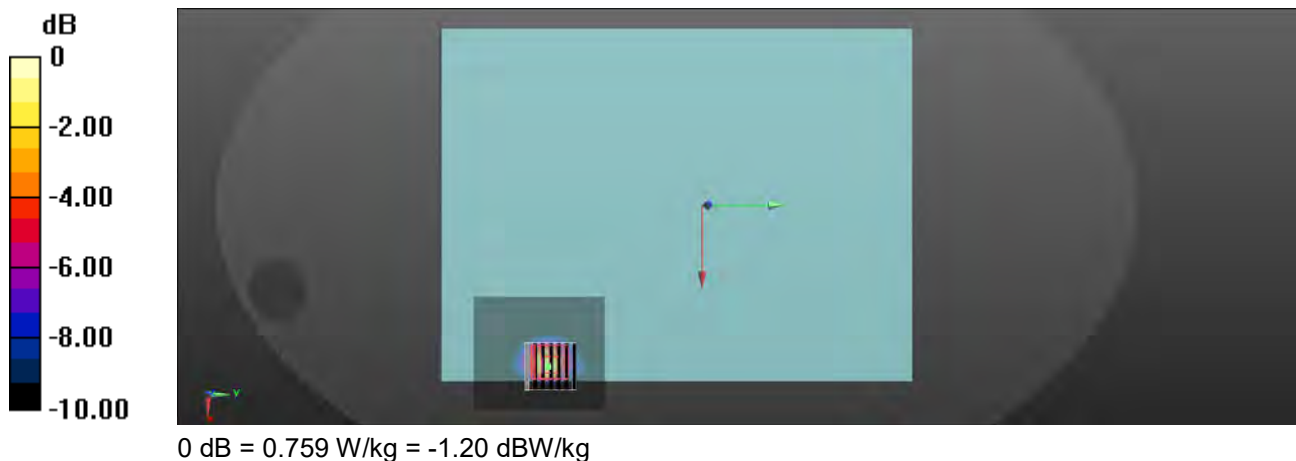
Communication System: UID 0, Bluetooth (0); Frequency: 2480 MHz; Duty Cycle: 1:1.279
Medium parameters used: $f = 2480$ MHz; $\sigma = 1.879$ S/m; $\epsilon_r = 38.526$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

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) @ 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) = 0.792 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm
Reference Value = 16.56 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.06 W/kg
SAR(1 g) = 0.394 W/kg; SAR(10 g) = 0.143 W/kg
Smallest distance from peaks to all points 3 dB below = 6.7 mm
Ratio of SAR at M2 to SAR at M1 = 44.6%
Maximum value of SAR (measured) = 0.759 W/kg



Test Laboratory: A Test Lab Techno Corp.
Date: 2021/11/15

36_WLAN5GHz_802.11ac VHT160_CH 50_Bottom Face_0 mm_Ant Main

DUT: GV301R, GV301RA, GV301RE, GV301RC, PV301R, PV301RA, PV301RE, PV301RC

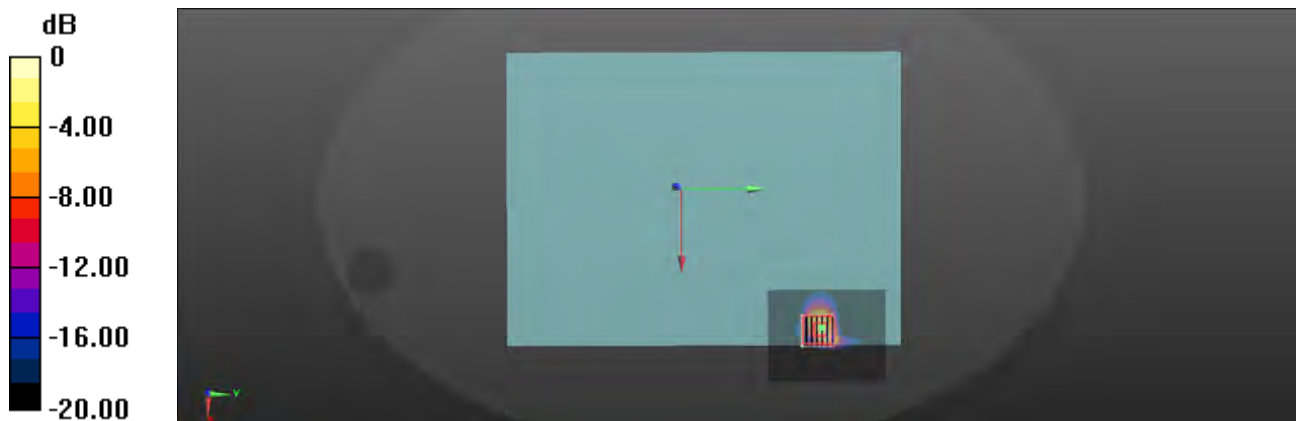
Communication System: UID 0, IEEE 802.11ac(5GHz)VHT160 (0); Frequency: 5250 MHz;Duty Cycle: 1:1.029
Medium parameters used: $f = 5250$ MHz; $\sigma = 4.567$ S/m; $\epsilon_r = 37.175$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

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 - 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) = 3.72 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 22.75 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 5.12 W/kg
SAR(1 g) = 1.14 W/kg; SAR(10 g) = 0.309 W/kg
Smallest distance from peaks to all points 3 dB below = 5.8 mm
Ratio of SAR at M2 to SAR at M1 = 64.2%
Maximum value of SAR (measured) = 3.01 W/kg



0 dB = 3.01 W/kg = 4.79 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date: 2021/11/15

45_WLAN5GHz_802.11ac VHT160_CH 50_Bottom Face_0 mm_Ant Aux

DUT: GV301R, GV301RA, GV301RE, GV301RC, PV301R, PV301RA, PV301RE, PV301RC

Communication System: UID 0, IEEE 802.11ac(5GHz)VHT160 (0); Frequency: 5250 MHz;Duty Cycle: 1:1.029
Medium parameters used: $f = 5250$ MHz; $\sigma = 4.567$ S/m; $\epsilon_r = 37.175$; $\rho = 1000$ 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 - 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) = 2.86 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 20.53 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 4.37 W/kg
SAR(1 g) = 0.893 W/kg; SAR(10 g) = 0.226 W/kg
Smallest distance from peaks to all points 3 dB below = 4.8 mm
Ratio of SAR at M2 to SAR at M1 = 62.1%
Maximum value of SAR (measured) = 2.32 W/kg



Test Laboratory: A Test Lab Techno Corp.
Date: 2021/11/16

56_WLAN5GHz_802.11ac VHT80_CH 138_Bottom Face_0 mm_Ant Main

DUT: GV301R, GV301RA, GV301RE, GV301RC, PV301R, PV301RA, PV301RE, PV301RC

Communication System: UID 0, IEEE 802.11ac(5GHz)VHT80 (0); Frequency: 5690 MHz;Duty Cycle: 1:1.049
Medium parameters used: $f = 5690$ MHz; $\sigma = 5.258$ S/m; $\epsilon_r = 35.563$; $\rho = 1000$ 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) @ 5690 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) = 5.18 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm
Reference Value = 27.86 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 6.11 W/kg
SAR(1 g) = 1.11 W/kg; SAR(10 g) = 0.245 W/kg
Smallest distance from peaks to all points 3 dB below = 5.8 mm
Ratio of SAR at M2 to SAR at M1 = 59%
Maximum value of SAR (measured) = 3.30 W/kg



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

Test Laboratory: A Test Lab Techno Corp.
Date: 2021/11/16

66_WLAN5GHz_802.11ac VHT80_CH 138_Bottom Face_0 mm_Ant Aux

DUT: GV301R, GV301RA, GV301RE, GV301RC, PV301R, PV301RA, PV301RE, PV301RC

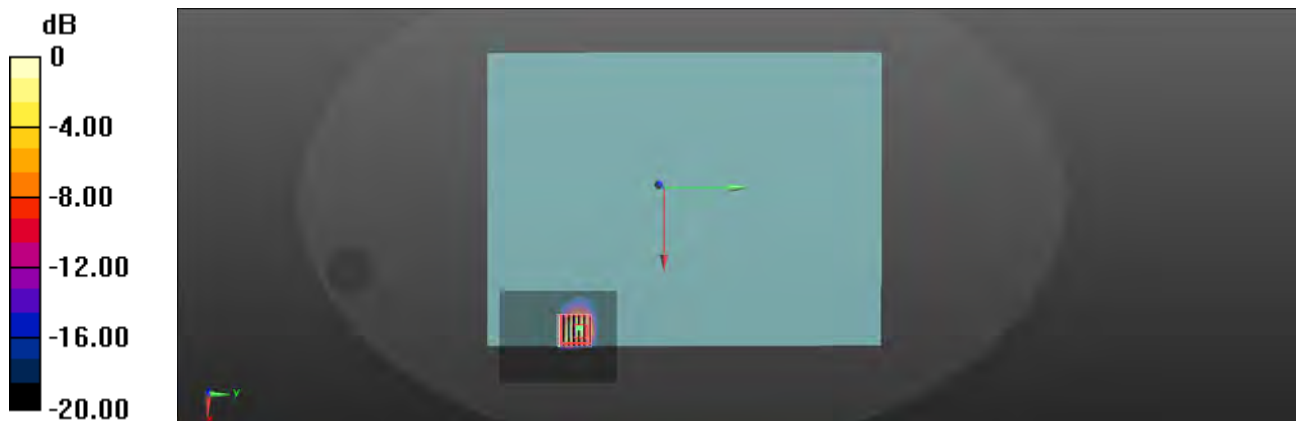
Communication System: UID 0, IEEE 802.11ac(5GHz)VHT80 (0); Frequency: 5690 MHz;Duty Cycle: 1:1.049
Medium parameters used: $f = 5690$ MHz; $\sigma = 5.258$ S/m; $\epsilon_r = 35.563$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

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 - SN3977; ConvF(4.64, 4.64, 4.64) @ 5690 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) = 2.48 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 20.25 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 5.63 W/kg
SAR(1 g) = 0.954 W/kg; SAR(10 g) = 0.230 W/kg
Smallest distance from peaks to all points 3 dB below = 4.4 mm
Ratio of SAR at M2 to SAR at M1 = 57.8%
Maximum value of SAR (measured) = 2.61 W/kg



0 dB = 2.61 W/kg = 4.17 dBW/kg

Test Laboratory: A Test Lab Techno Corp.
Date: 2021/11/16

92_WLAN5GHz_802.11ac VHT80_CH 155_Bottom Face_0 mm_Ant Main

DUT: GV301R, GV301RA, GV301RE, GV301RC, PV301R, PV301RA, PV301RE, PV301RC

Communication System: UID 0, IEEE 802.11ac(5GHz)VHT80 (0); Frequency: 5775 MHz;Duty Cycle: 1:1.049
Medium parameters used: $f = 5775$ MHz; $\sigma = 5.285$ S/m; $\epsilon_r = 35.593$; $\rho = 1000$ 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) = 3.67 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 26.26 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 6.57 W/kg
SAR(1 g) = 1.08 W/kg; SAR(10 g) = 0.257 W/kg
Smallest distance from peaks to all points 3 dB below = 5.7 mm
Ratio of SAR at M2 to SAR at M1 = 58.7%
Maximum value of SAR (measured) = 3.32 W/kg



Test Laboratory: A Test Lab Techno Corp.
Date: 2021/11/16

101_WLAN5GHz_802.11ac VHT80_CH 155_Bottom Face_0 mm_Ant Aux

DUT: GV301R, GV301RA, GV301RE, GV301RC, PV301R, PV301RA, PV301RE, PV301RC

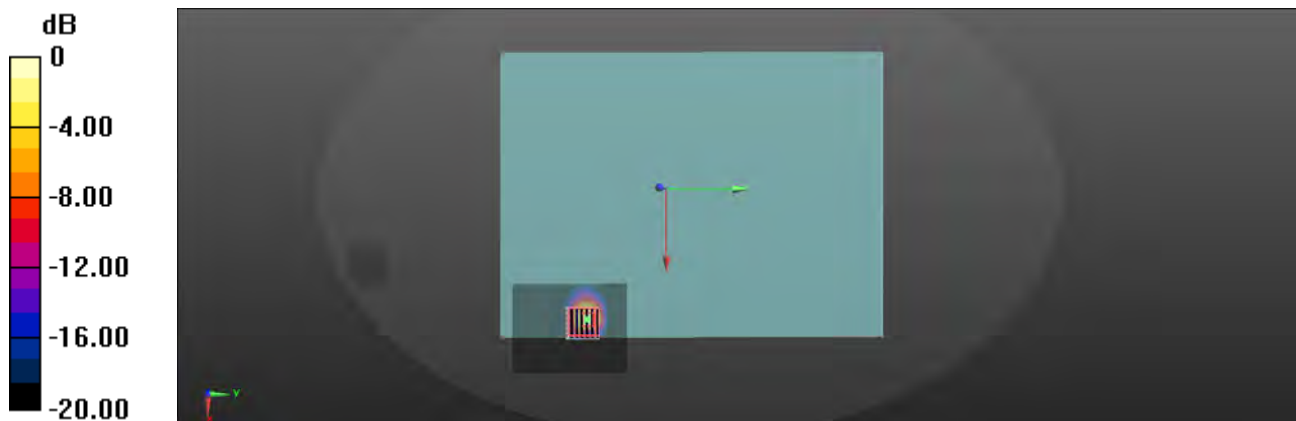
Communication System: UID 0, IEEE 802.11ac(5GHz)VHT80 (0); Frequency: 5775 MHz;Duty Cycle: 1:1.049
Medium parameters used: $f = 5775$ MHz; $\sigma = 5.285$ S/m; $\epsilon_r = 35.593$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

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) = 2.70 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 20.19 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 4.59 W/kg
SAR(1 g) = 0.766 W/kg; SAR(10 g) = 0.177 W/kg
Smallest distance from peaks to all points 3 dB below = 4.3 mm
Ratio of SAR at M2 to SAR at M1 = 55.1%
Maximum value of SAR (measured) = 1.99 W/kg



0 dB = 1.99 W/kg = 2.99 dBW/kg

120_WLAN6GHz_802.11ax HE160_CH 15_Bottom Face_0 mm_Ant Main

Device under Test Properties

Model: GV301R, GV301RA, GV301RE, GV301RC, PV301R, PV301RA, PV301RE, PV301RC

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, 10743-AAC	6025.0, 15	5.6	5.64	35.3

Hardware Setup

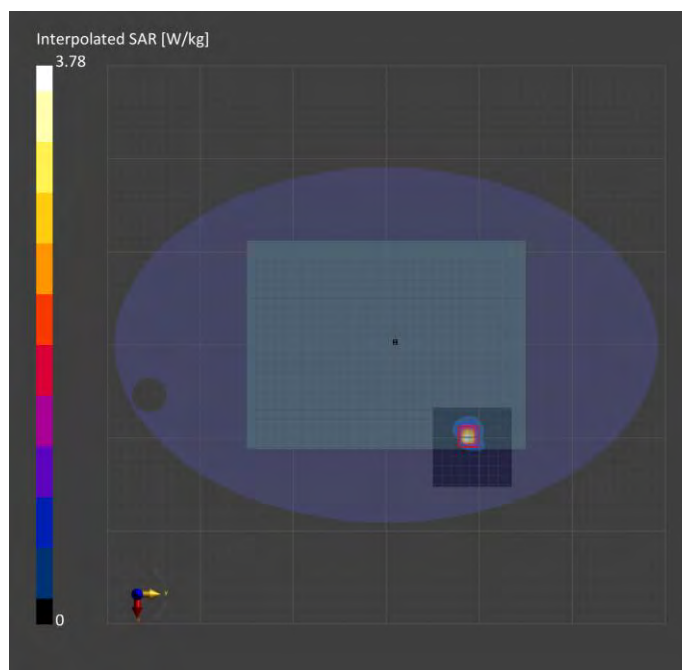
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) - 1175	HSL6G	EX3DV4 - SN3847, 2021-03-26	DAE4 Sn541, 2021-03-22

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	2021-11-18	2021-11-18
psSAR1g [W/Kg]	0.458	0.705
psSAR10g [W/Kg]	0.130	0.177
Power Drift [dB]	0.08	0.07
TSL Correction	Positive only	Positive only
M2/M1 [%]		52.1
Dist 3dB Peak [mm]		4.8



121_WLAN6GHz_802.11ax HE160_CH 15_Bottom Face_0 mm_Ant Aux

Device under Test Properties

Model: GV301R, GV301RA, GV301RE, GV301RC, PV301R, PV301RA, PV301RE, PV301RC

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, 10743-AAC	6025.0, 15	5.6	5.64	35.3

Hardware Setup

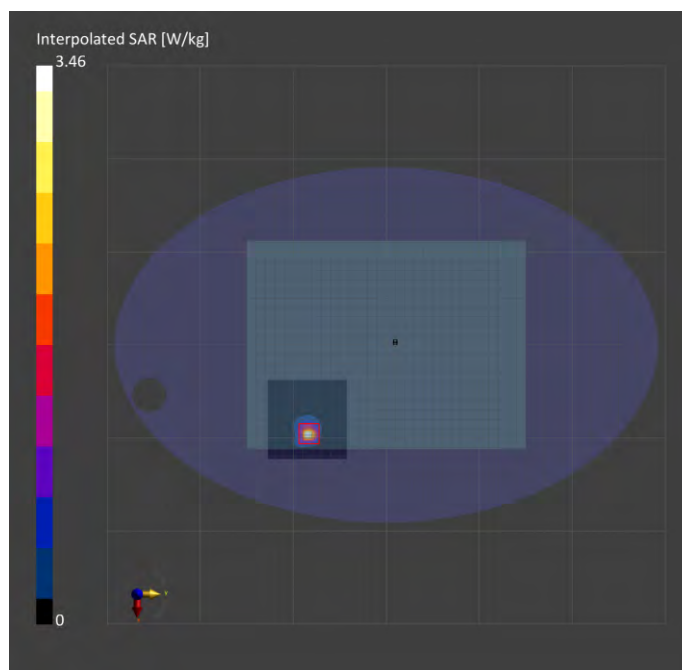
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) - 1175	HSL6G	EX3DV4 - SN3847, 2021-03-26	DAE4 Sn541, 2021-03-22

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	2021-11-18	2021-11-18
psSAR1g [W/Kg]	0.632	0.703
psSAR10g [W/Kg]	0.176	0.185
Power Drift [dB]	0.15	-0.13
TSL Correction	Positive only	Positive only
M2/M1 [%]		52.1
Dist 3dB Peak [mm]		5.8



122_WLAN6GHz_802.11ax HE160_CH 111_Bottom Face_0 mm_Ant Main

Device under Test Properties

Model: GV301R, GV301RA, GV301RE, GV301RC, PV301R, PV301RA, PV301RE, PV301RC

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	6.22	34.5

Hardware Setup

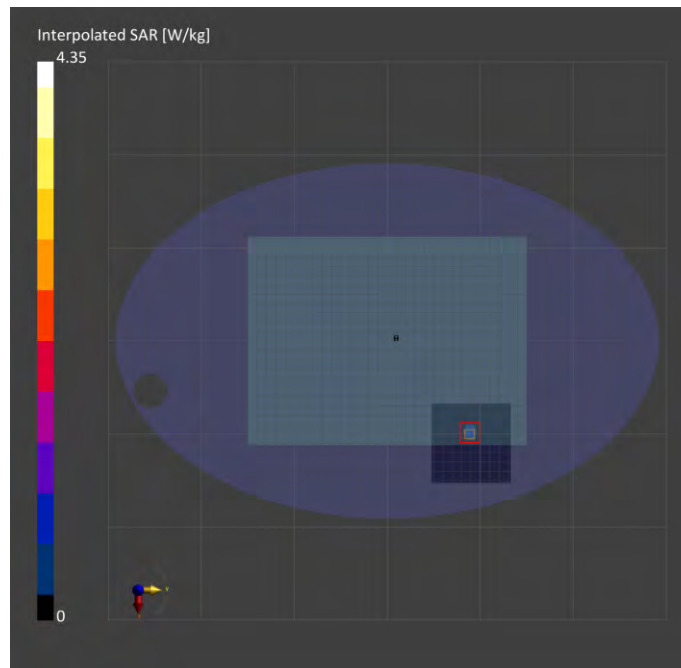
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) - 1175	HSL6G	EX3DV4 - SN3847, 2021-03-26	DAE4 Sn541, 2021-03-22

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	2021-11-18	2021-11-18
psSAR1g [W/Kg]	0.588	0.714
psSAR10g [W/Kg]	0.147	0.168
Power Drift [dB]	0.16	-0.09
TSL Correction	Positive only	Positive only
M2/M1 [%]		47.3
Dist 3dB Peak [mm]		4.8



123_WLAN6GHz_802.11ax HE160_CH 111_Bottom Face_0 mm_Ant Aux

Device under Test Properties

Model: GV301R, GV301RA, GV301RE, GV301RC, PV301R, PV301RA, PV301RE, PV301RC

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	6.22	34.5

Hardware Setup

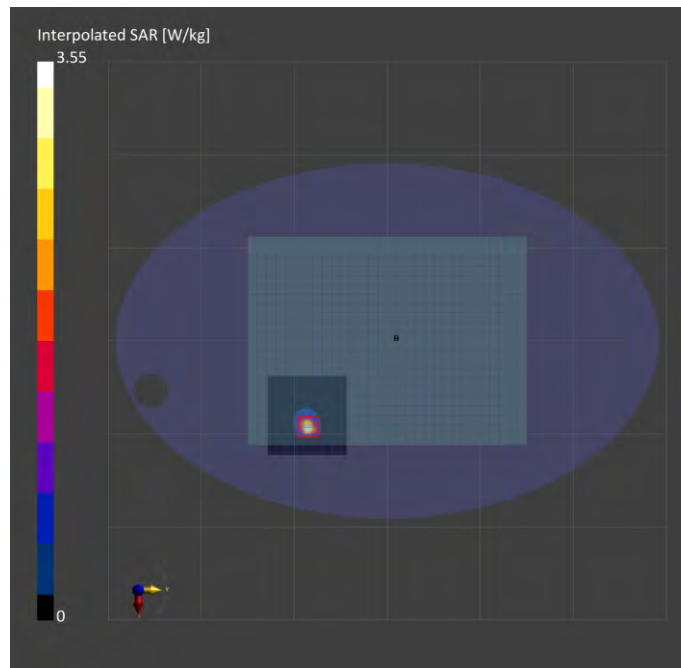
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) - 1175	HSL6G	EX3DV4 - SN3847, 2021-03-26	DAE4 Sn541, 2021-03-22

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	2021-11-18	2021-11-18
psSAR1g [W/Kg]	0.540	0.637
psSAR10g [W/Kg]	0.146	0.162
Power Drift [dB]	-0.07	0.03
TSL Correction	Positive only	Positive only
M2/M1 [%]		48.2
Dist 3dB Peak [mm]		5.2



125_WLAN6GHz_802.11ax HE160_CH 175_Bottom Face_0 mm_Ant Main

Device under Test Properties

Model: GV301R, GV301RA, GV301RE, GV301RC, PV301R, PV301RA, PV301RE, PV301RC

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	6825.0, 175	5.6	6.65	34.0

Hardware Setup

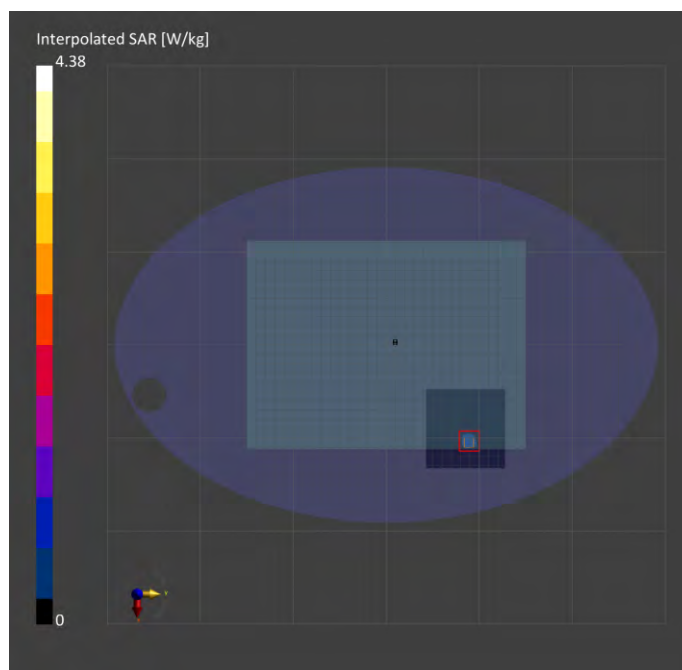
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) - 1175	HSL6G	EX3DV4 - SN3847, 2021-03-26	DAE4 Sn541, 2021-03-22

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	2021-11-18	2021-11-18
psSAR1g [W/Kg]	0.565	0.692
psSAR10g [W/Kg]	0.148	0.159
Power Drift [dB]	0.05	-0.19
TSL Correction	Positive only	Positive only
M2/M1 [%]		46.3
Dist 3dB Peak [mm]		5.3



124_WLAN6GHz_802.11ax HE160_CH 175_Bottom Face_0 mm_Ant Aux

Device under Test Properties

Model: GV301R, GV301RA, GV301RE, GV301RC, PV301R, PV301RA, PV301RE, PV301RC

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	6825.0, 175	5.6	6.65	34.0

Hardware Setup

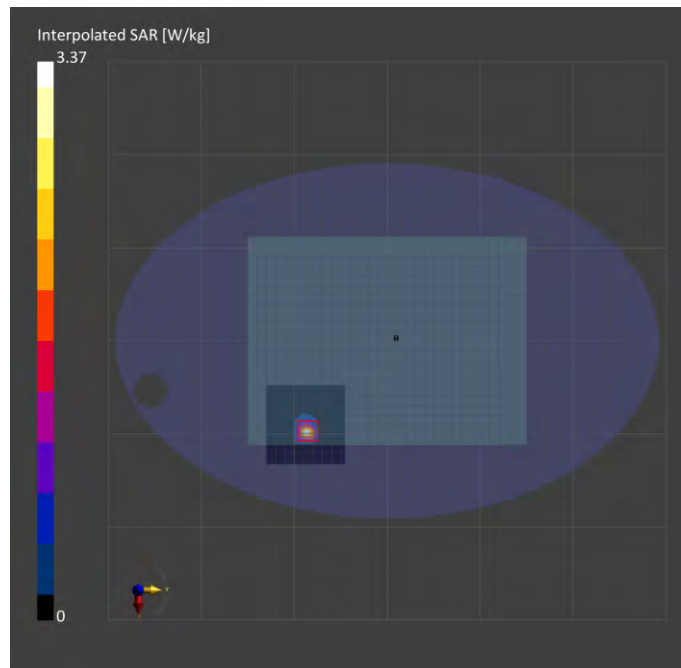
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) - 1175	HSL6G	EX3DV4 - SN3847, 2021-03-26	DAE4 Sn541, 2021-03-22

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	2021-11-18	2021-11-18
psSAR1g [W/Kg]	0.470	0.572
psSAR10g [W/Kg]	0.124	0.143
Power Drift [dB]	0.19	-0.10
TSL Correction	Positive only	Positive only
M2/M1 [%]		46.0
Dist 3dB Peak [mm]		4.8



126_WLAN6GHz_802.11ax HE160_CH 207_Bottom Face_0 mm_Ant Main

Device under Test Properties

Model: GV301R, GV301RA, GV301RE, GV301RC, PV301R, PV301RA, PV301RE, PV301RC

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	6.78	33.5

Hardware Setup

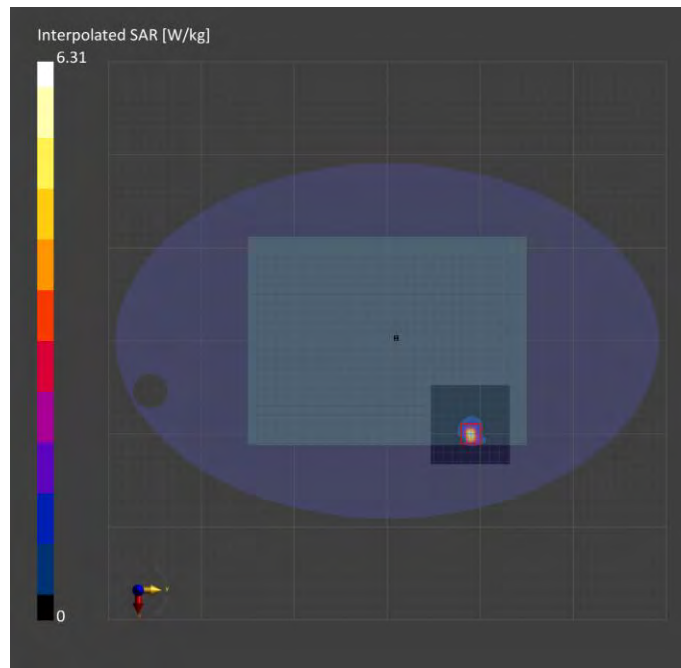
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) - 1175	HSL6G	EX3DV4 - SN3847, 2021-03-26	DAE4 Sn541, 2021-03-22

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	2021-11-18	2021-11-18
psSAR1g [W/Kg]	0.805	0.969
psSAR10g [W/Kg]	0.198	0.215
Power Drift [dB]	-0.02	-0.01
TSL Correction	Positive only	Positive only
M2/M1 [%]		44.7
Dist 3dB Peak [mm]		4.8



127_WLAN6GHz_802.11ax HE160_CH 207_Bottom Face_0 mm_Ant Aux

Device under Test Properties

Model: GV301R, GV301RA, GV301RE, GV301RC, PV301R, PV301RA, PV301RE, PV301RC

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	6.78	33.5

Hardware Setup

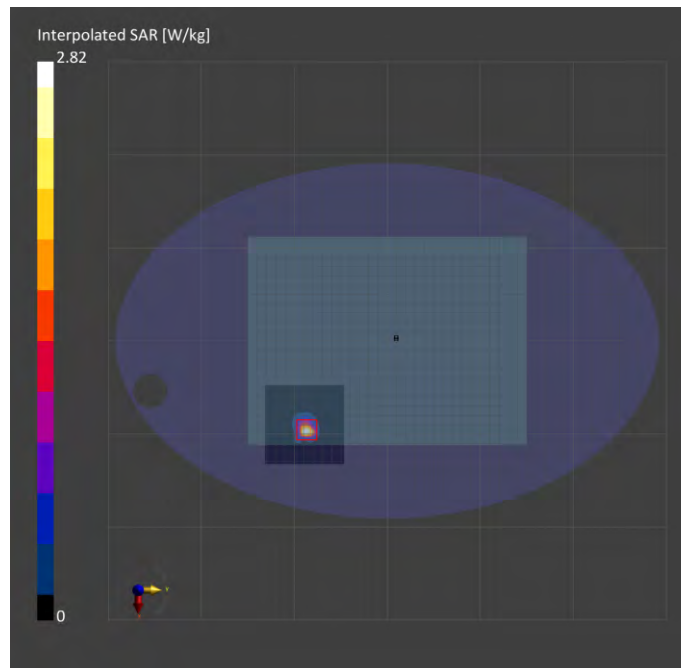
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) - 1175	HSL6G	EX3DV4 - SN3847, 2021-03-26	DAE4 Sn541, 2021-03-22

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	2021-11-18	2021-11-18
psSAR1g [W/Kg]	0.410	0.467
psSAR10g [W/Kg]	0.108	0.118
Power Drift [dB]	-0.15	-0.04
TSL Correction	Positive only	Positive only
M2/M1 [%]		45.9
Dist 3dB Peak [mm]		4.9



140_WLAN6GHz_802.11ax HE160_CH 15_Bottom Face_2 mm_Ant Main

Device under Test Properties

Model, Manufacturer GV301R, GV301RA, GV301RE, GV301RC, PV301R, PV301RA, PV301RE, PV301RC

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, 10743-AAC	6025.0, 15	1.0

Hardware Setup

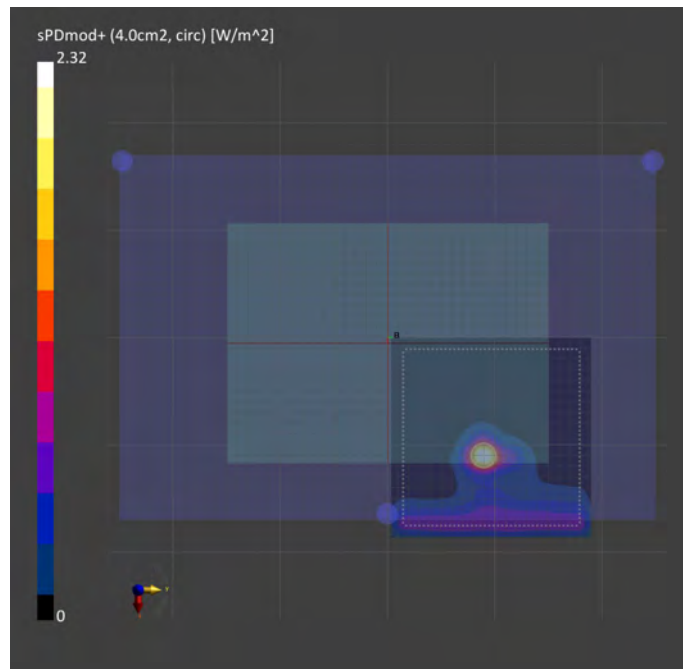
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 5G Phantom	Air	EUmmWV3 - SN9403_F1-55GHz, 2021-09-20	DAE4 Sn541, 2021-03-22

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	2021-11-20
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	1.55
psPDtot+ [W/m ²]	1.64
psPDmod+ [W/m ²]	2.32
E _{max} [V/m]	55.3
H _{max} [A/m]	0.104
Power Drift [dB]	0.14



145_WLAN6GHz_802.11ax HE160_CH 15_Bottom Face_2 mm_Ant Aux

Device under Test Properties

Model, Manufacturer GV301R, GV301RA, GV301RE, GV301RC, PV301R, PV301RA, PV301RE, PV301RC

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, 10743-AAC	6025.0, 15	1.0

Hardware Setup

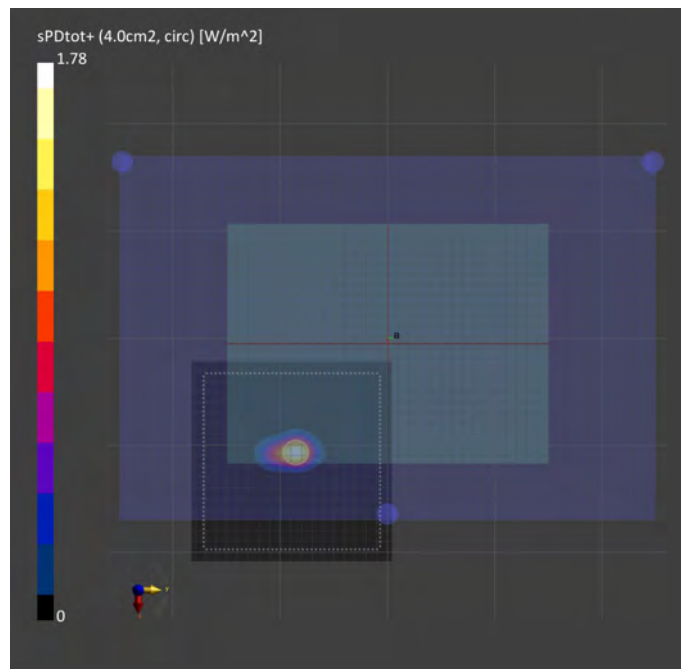
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 5G Phantom	Air	EUmmWV3 - SN9403_F1-55GHz, 2021-09-20	DAE4 Sn541, 2021-03-22

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	2021-11-20
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	1.51
psPDtot+ [W/m ²]	1.78
psPDmod+ [W/m ²]	3.36
E _{max} [V/m]	56.2
H _{max} [A/m]	0.144
Power Drift [dB]	-0.00



141_WLAN6GHz_802.11ax HE160_CH 111_Bottom Face_2 mm_Ant Main

Device under Test Properties

Model, Manufacturer GV301R, GV301RA, GV301RE, GV301RC, PV301R, PV301RA, PV301RE, PV301RC

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

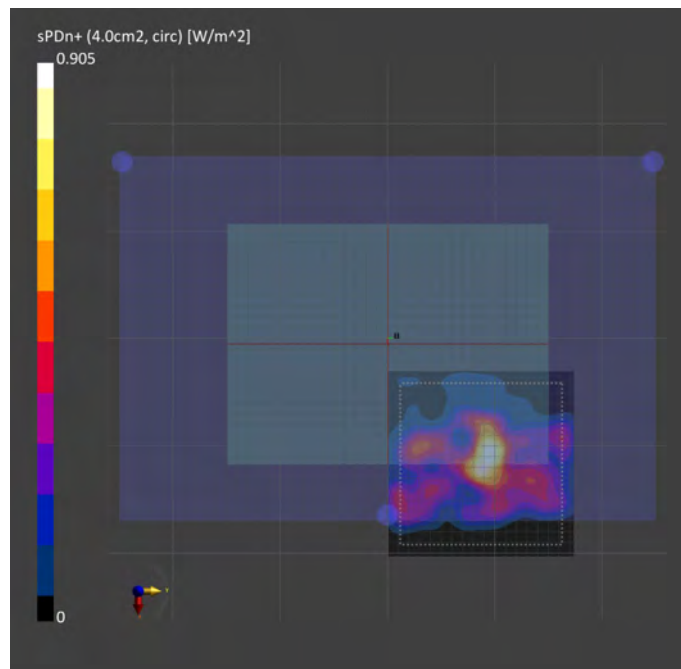
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 5G Phantom	Air	EUmmWV3 - SN9403_F1-55GHz, 2021-09-20	DAE4 Sn541, 2021-03-22

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	2021-11-20
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	0.905
psPDtot+ [W/m ²]	1.17
psPDmod+ [W/m ²]	2.71
E _{max} [V/m]	48.9
H _{max} [A/m]	0.118
Power Drift [dB]	-0.16



146_WLAN6GHz_802.11ax HE160_CH 111_Bottom Face_2 mm_Ant Aux

Device under Test Properties

Model, Manufacturer GV301R, GV301RA, GV301RE, GV301RC, PV301R, PV301RA, PV301RE, PV301RC

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

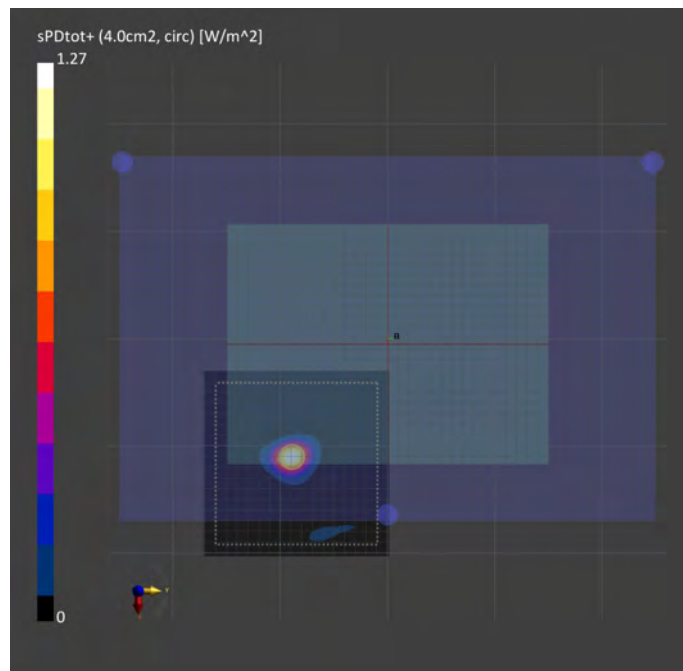
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 5G Phantom	Air	EUmmWV3 - SN9403_F1-55GHz, 2021-09-20	DAE4 Sn541, 2021-03-22

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	2021-11-20
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	1.17
psPDtot+ [W/m ²]	1.27
psPDmod+ [W/m ²]	2.48
E _{max} [V/m]	47.4
H _{max} [A/m]	0.127
Power Drift [dB]	-0.14



149_WLAN6GHz_802.11ax HE80_CH 119_Bottom Face_2 mm_Ant Aux

Device under Test Properties

Model, Manufacturer GV301R, GV301RA, GV301RE, GV301RC, PV301R, PV301RA, PV301RE, PV301RC

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, 10719-AAC	6545.0, 119	1.0

Hardware Setup

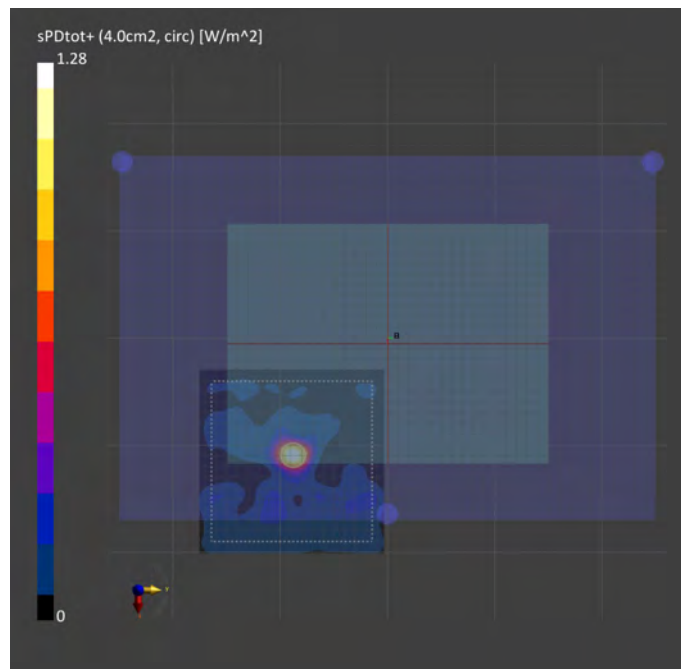
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 5G Phantom	Air	EUmmWV3 - SN9403_F1-55GHz, 2021-09-20	DAE4 Sn541, 2021-03-22

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	2021-11-20
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	0.884
psPDtot+ [W/m ²]	1.28
psPDmod+ [W/m ²]	2.70
E _{max} [V/m]	47.8
H _{max} [A/m]	0.143
Power Drift [dB]	0.06



142_WLAN6GHz_802.11ax HE160_CH 175_Bottom Face_2 mm_Ant Main

Device under Test Properties

Model, Manufacturer GV301R, GV301RA, GV301RE, GV301RC, PV301R, PV301RA, PV301RE, PV301RC

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	6825.0, 175	1.0

Hardware Setup

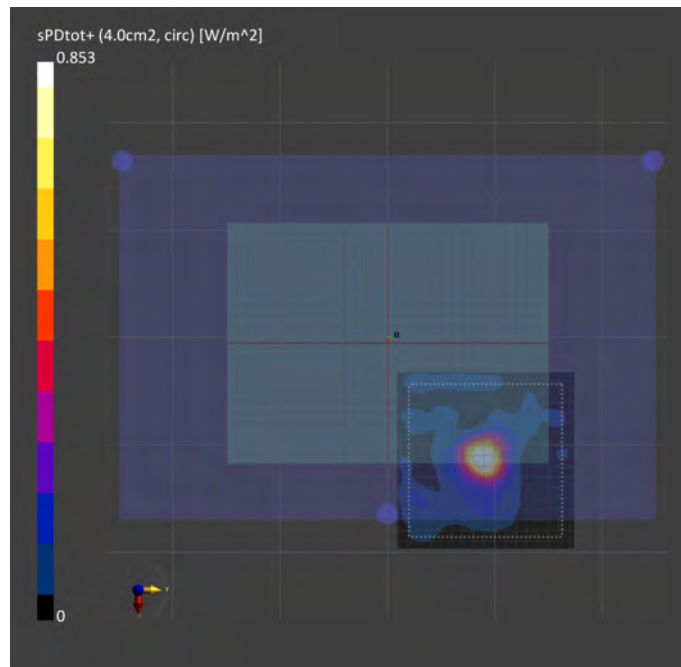
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 5G Phantom	Air	EUmmWV3 - SN9403_F1-55GHz, 2021-09-20	DAE4 Sn541, 2021-03-22

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	2021-11-20
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	0.805
psPDtot+ [W/m ²]	0.853
psPDmod+ [W/m ²]	3.15
E _{max} [V/m]	59.3
H _{max} [A/m]	0.155
Power Drift [dB]	-0.10



147_WLAN6GHz_802.11ax HE160_CH 175_Bottom Face_2 mm_Ant Aux

Device under Test Properties

Model, Manufacturer GV301R, GV301RA, GV301RE, GV301RC, PV301R, PV301RA, PV301RE, PV301RC

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	6825.0, 175	1.0

Hardware Setup

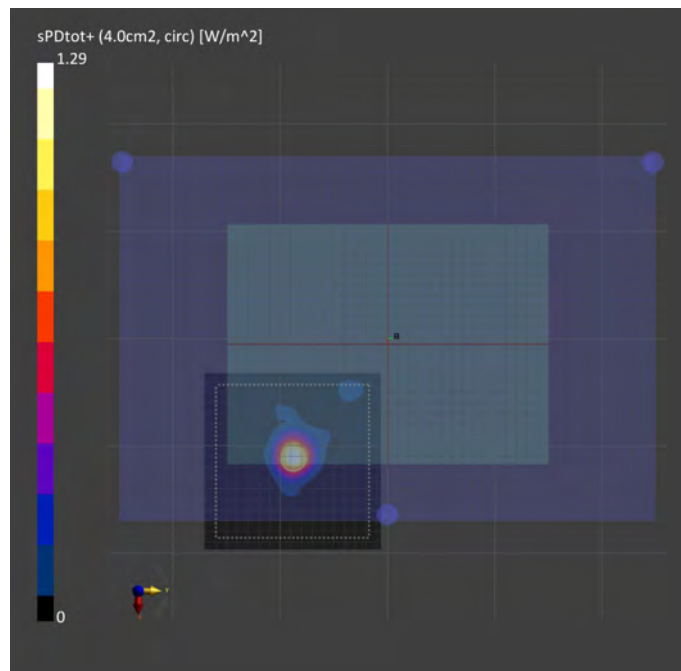
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 5G Phantom	Air	EUmmWV3 - SN9403_F1-55GHz, 2021-09-20	DAE4 Sn541, 2021-03-22

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	2021-11-20
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	1.10
psPDtot+ [W/m ²]	1.29
psPDmod+ [W/m ²]	3.53
E _{max} [V/m]	55.9
H _{max} [A/m]	0.134
Power Drift [dB]	-0.06



144_WLAN6GHz_802.11ax HE80_CH 199_Bottom Face_2 mm_Ant Main

Device under Test Properties

Model, Manufacturer GV301R, GV301RA, GV301RE, GV301RC, PV301R, PV301RA, PV301RE, PV301RC

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, 10731-AAC	6945.0, 199	1.0

Hardware Setup

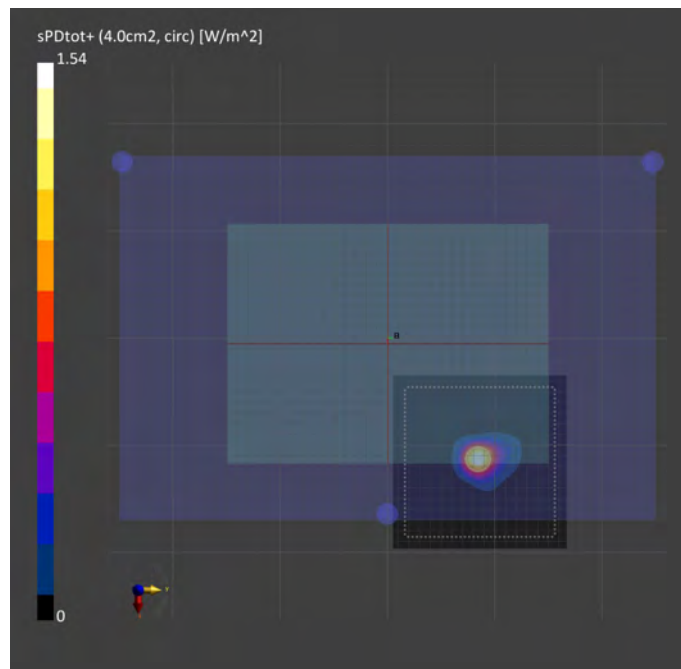
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 5G Phantom	Air	EUmmWV3 - SN9403_F1-55GHz, 2021-09-20	DAE4 Sn541, 2021-03-22

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	2021-11-20
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	1.42
psPDtot+ [W/m ²]	1.54
psPDmod+ [W/m ²]	3.47
E _{max} [V/m]	52.4
H _{max} [A/m]	0.142
Power Drift [dB]	-0.15



143_WLAN6GHz_802.11ax HE160_CH 207_Bottom Face_2 mm_Ant Main

Device under Test Properties

Model, Manufacturer GV301R, GV301RA, GV301RE, GV301RC, PV301R, PV301RA, PV301RE, PV301RC

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, 10743-AAC	6985.0, 207	1.0

Hardware Setup

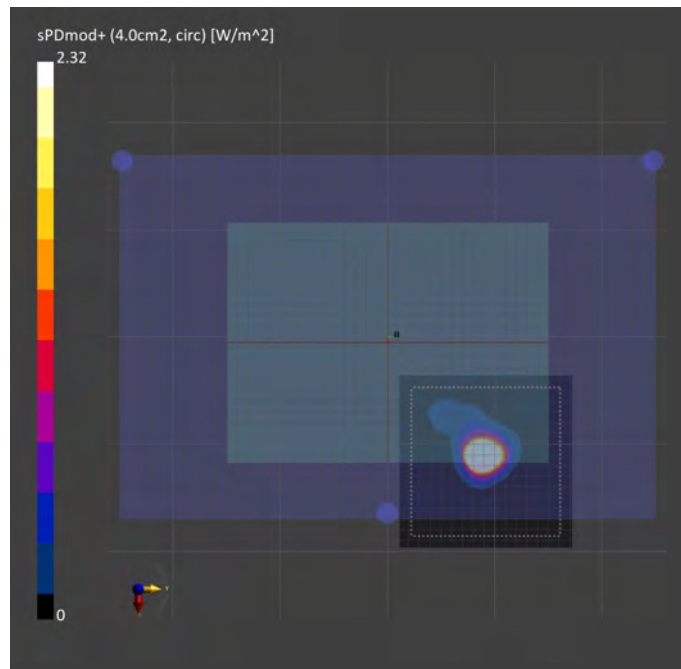
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 5G Phantom	Air	EUmmWV3 - SN9403_F1-55GHz, 2021-09-20	DAE4 Sn541, 2021-03-22

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	2021-11-20
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	2.14
psPDtot+ [W/m ²]	2.75
psPDmod+ [W/m ²]	6.54
E _{max} [V/m]	82.6
H _{max} [A/m]	0.243
Power Drift [dB]	-0.11



148_WLAN6GHz_802.11ax HE160_CH 207_Bottom Face_2 mm_Ant Aux

Device under Test Properties

Model, Manufacturer GV301R, GV301RA, GV301RE, GV301RC, PV301R, PV301RA, PV301RE, PV301RC

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, 10743-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	2021-11-20
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	0.664
psPDtot+ [W/m ²]	1.14
psPDmod+ [W/m ²]	2.19
E _{max} [V/m]	46.2
H _{max} [A/m]	0.116
Power Drift [dB]	-0.14

