Appendix A. Plots of System Verification

The plots for system verification are shown as follows.

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/12/12

S01 System Check_H2450_221212

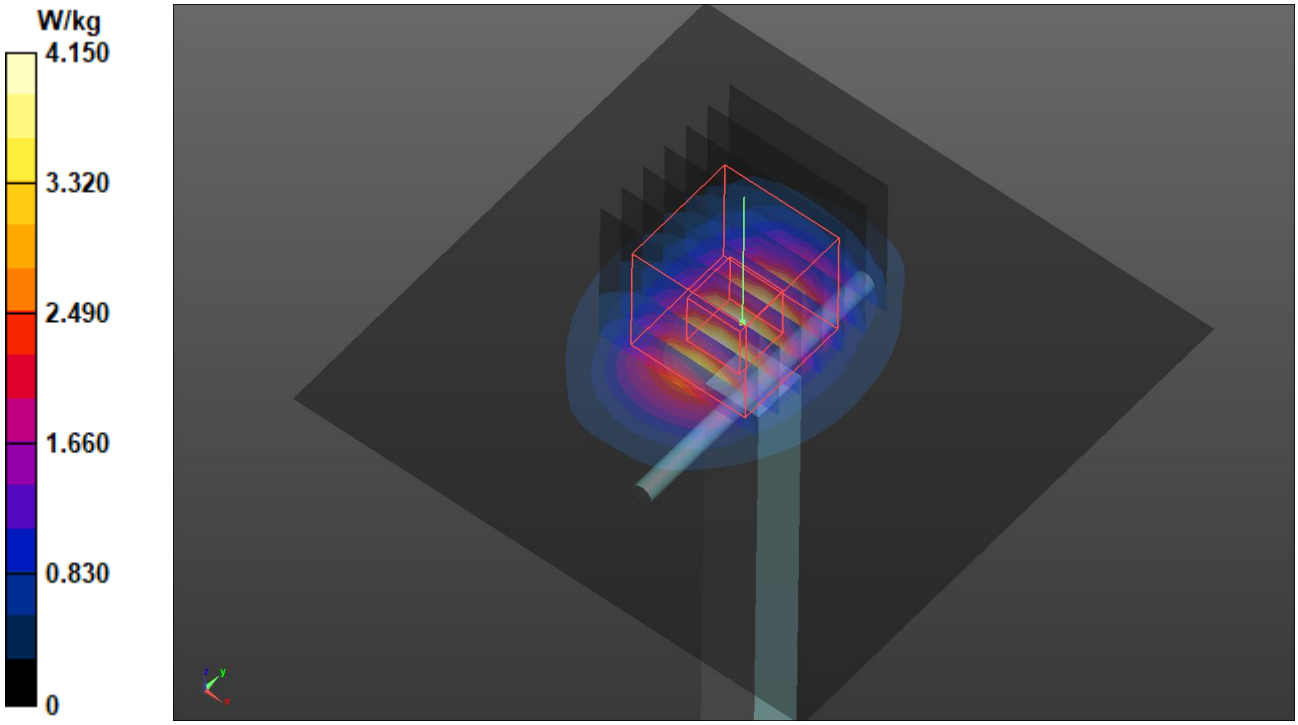
DUT: Dipole 2450 MHz; Type: D2450V2; SN: 737

Communication System: UID 0, CW; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium: H06T27N5_1212 Medium parameters used: f = 2450 MHz; σ = 1.842 S/m; ε_r = 40.332; ρ = 1000 kg/m^3
Ambient Temperature：22.6 ℃； Liquid Temperature：21.0 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7472; ConvF(7.89, 7.89, 7.89) @ 2450 MHz; Calibrated: 2022/05/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2022/06/01
- Phantom: ELI Phantom_2118; Type: QD OVA 004 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 4.15 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 41.39 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 5.14 W/kg
SAR(1 g) = 2.52 W/kg; SAR(10 g) = 1.2 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 4.17 W/kg



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/12/12

S02 System Check_H5250_221212

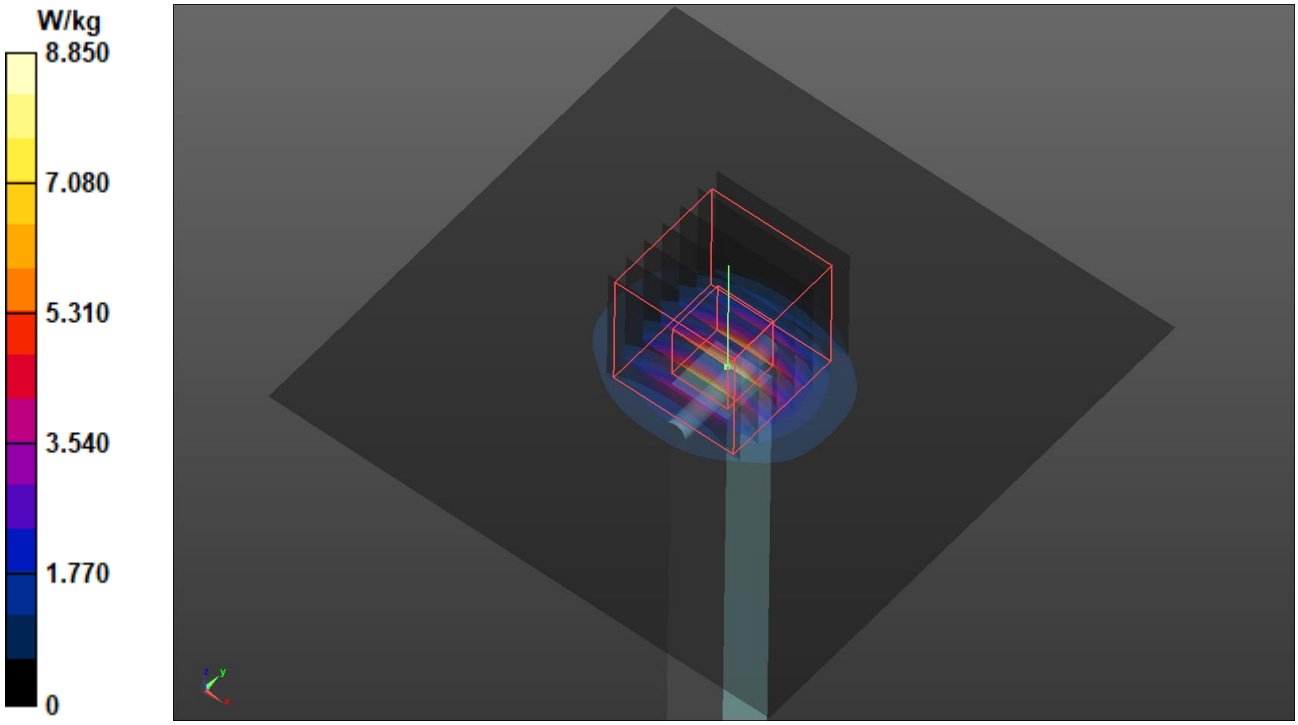
DUT: Dipole 5 GHz; Type: D5GHzV2; SN: 1019

Communication System: UID 0, CW; Frequency: 5250 MHz;Duty Cycle: 1:1
Medium: H51T72N5_1212 Medium parameters used: f = 5250 MHz; σ = 4.577 S/m; ε_r = 37.284; ρ = 1000 kg/m^3
Ambient Temperature：22.6 ℃； Liquid Temperature：21.0 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7472; ConvF(5.89, 5.89, 5.89) @ 5250 MHz; Calibrated: 2022/05/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2022/06/01
- Phantom: ELI Phantom_2118; Type: QD OVA 004 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 8.85 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 49.73 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 14.3 W/kg
SAR(1 g) = 3.83 W/kg; SAR(10 g) = 1.11 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 9.18 W/kg



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/12/12

S04 System Check_H5600_221212

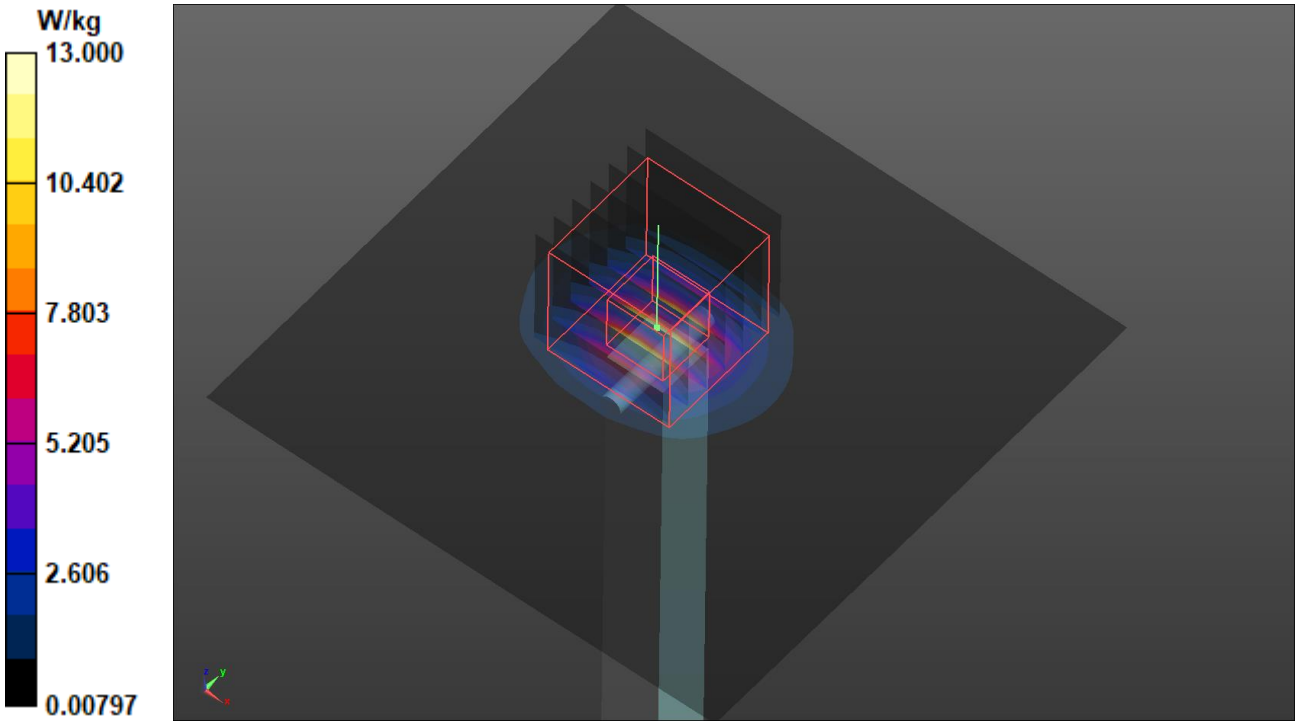
DUT: Dipole 5 GHz; Type: D5GHzV2; SN: 1019

Communication System: UID 0, CW; Frequency: 5600 MHz;Duty Cycle: 1:1
Medium: H51T72N5_1212 Medium parameters used: f = 5600 MHz; σ = 4.976 S/m; ε_r = 36.689; ρ = 1000 kg/m^3
Ambient Temperature：22.6 ℃； Liquid Temperature：21.0 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7472; ConvF(5.04, 5.04, 5.04) @ 5600 MHz; Calibrated: 2022/05/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2022/06/01
- Phantom: ELI Phantom_2118; Type: QD OVA 004 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 13.0 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 46.96 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 21.8 W/kg
SAR(1 g) = 4.04 W/kg; SAR(10 g) = 1.2 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 7.5 mm
Ratio of SAR at M2 to SAR at M1 = 63.1%
Maximum value of SAR (measured) = 13.0 W/kg



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/12/12

S05 System Check_H5750_221212

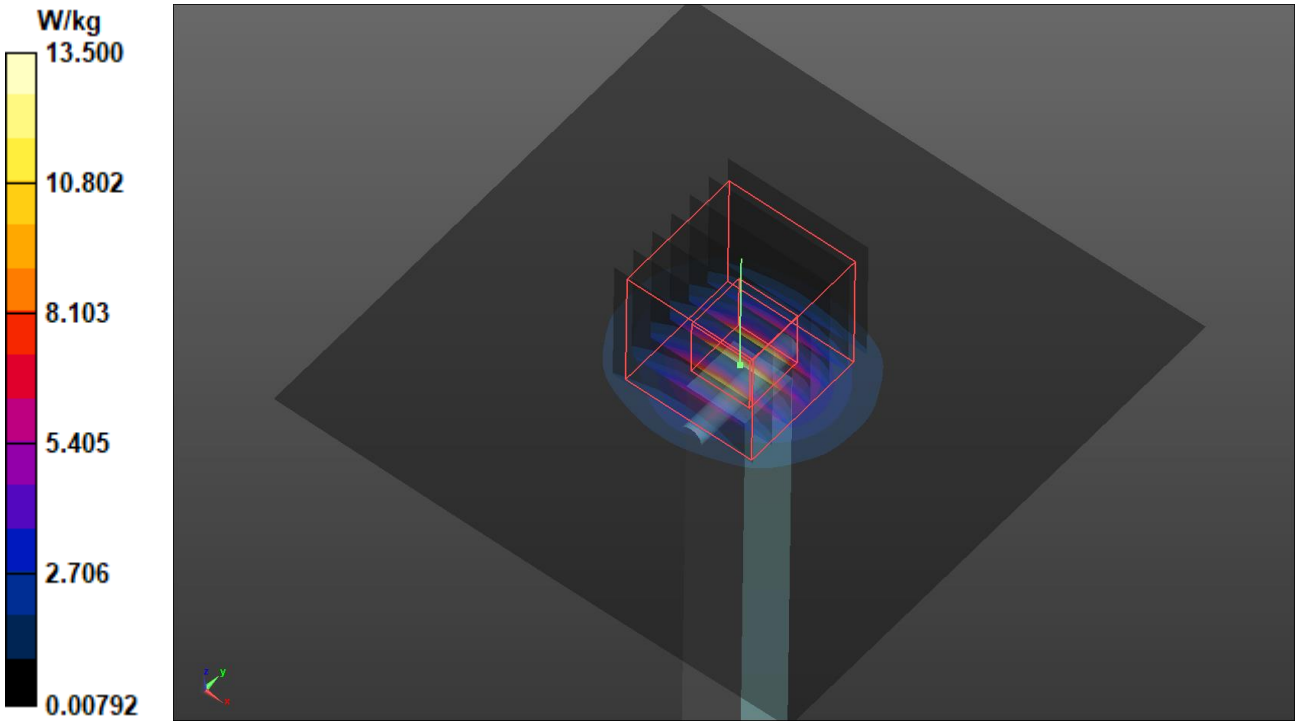
DUT: Dipole 5 GHz; Type: D5GHzV2; SN: 1019

Communication System: UID 0, CW; Frequency: 5750 MHz;Duty Cycle: 1:1
Medium: H51T72N5_1212 Medium parameters used: f = 5750 MHz; σ = 5.15 S/m; ε_r = 36.439; ρ = 1000 kg/m^3
Ambient Temperature：22.6 ℃； Liquid Temperature：21.0 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7472; ConvF(5.28, 5.28, 5.28) @ 5750 MHz; Calibrated: 2022/05/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2022/06/01
- Phantom: ELI Phantom_2118; Type: QD OVA 004 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (81x81x1): Interpolated grid: dx=1.100 mm, dy=1.100 mm
Maximum value of SAR (interpolated) = 13.5 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 56.46 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 23.3 W/kg
SAR(1 g) = 4.01 W/kg; SAR(10 g) = 1.14 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 7.2 mm
Ratio of SAR at M2 to SAR at M1 = 61.4%
Maximum value of SAR (measured) = 13.6 W/kg



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/12/12

S06a System Check_H5750_221212

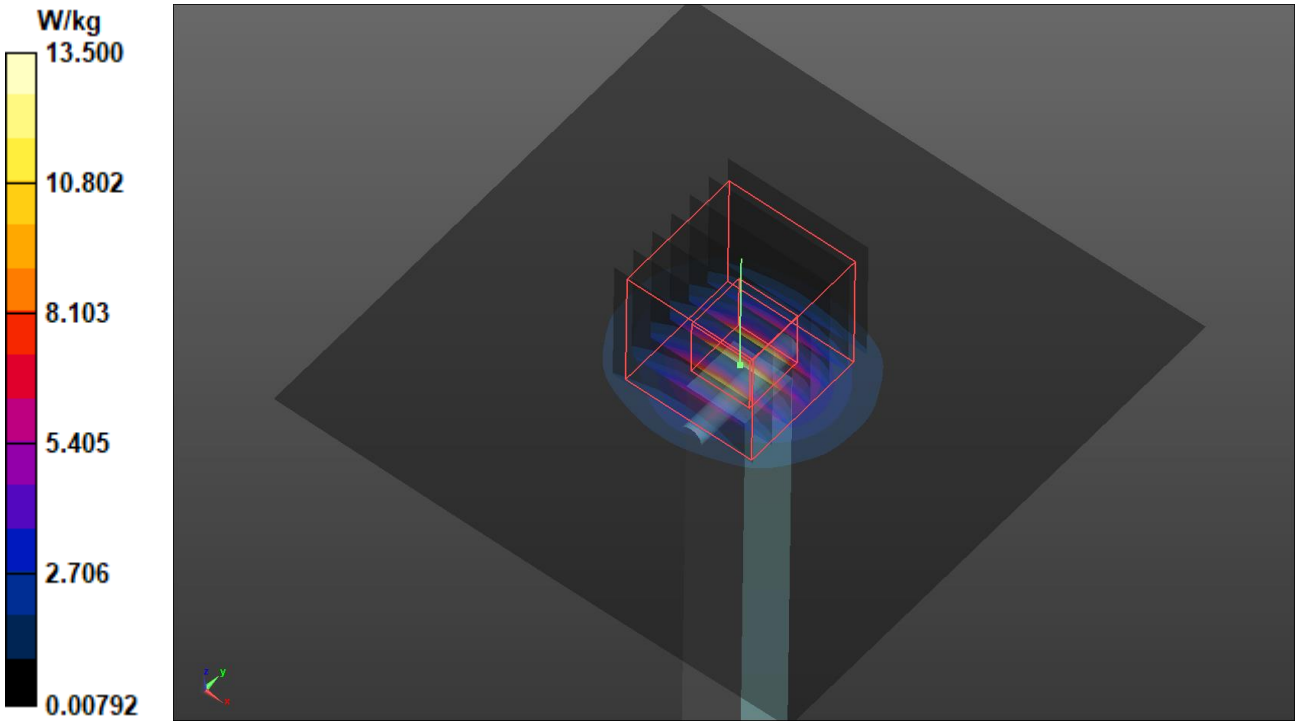
DUT: Dipole 5 GHz; Type: D5GHzV2; SN: 1019

Communication System: UID 0, CW; Frequency: 5750 MHz;Duty Cycle: 1:1
Medium: H51T72N5_1212 Medium parameters used: f = 5750 MHz; σ = 5.15 S/m; ε_r = 36.439; ρ = 1000 kg/m^3
Ambient Temperature：22.6 ℃； Liquid Temperature：21.0 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7472; ConvF(5.28, 5.28, 5.28) @ 5750 MHz; Calibrated: 2022/05/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2022/06/01
- Phantom: ELI Phantom_2118; Type: QD OVA 004 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (81x81x1): Interpolated grid: dx=1.100 mm, dy=1.100 mm
Maximum value of SAR (interpolated) = 13.5 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 56.46 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 23.3 W/kg
SAR(1 g) = 4.01 W/kg; SAR(10 g) = 1.14 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 7.2 mm
Ratio of SAR at M2 to SAR at M1 = 61.4%
Maximum value of SAR (measured) = 13.6 W/kg



Measurement Report
S06b System Check_H6.5GHz_221212
Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Dipole	50.0 x 10.0 x 8.0		

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, HSL				6500	5.6	6.04	35.2

Hardware Setup

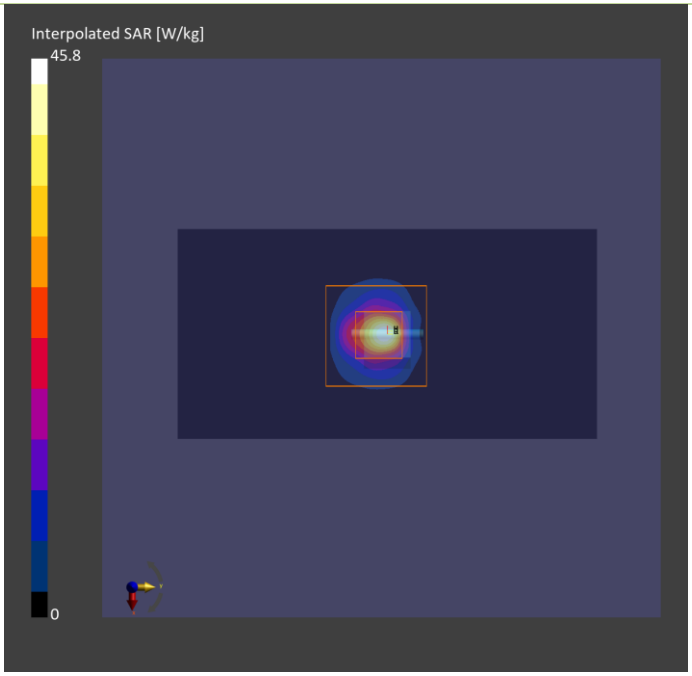
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2118	H06T27N5 , 2022-Dec-12	EX3DV4 - SN7472, 2022-05-27	DAE3 Sn579, 2022-06-01

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	45.0 x 90.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	7.5 x 7.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2022-12-12	2022-12-12
psSAR1g [W/kg]	25.5	29.3
psSAR10g [W/kg]	4.98	5.34
psAPD (1.0cm2, sq) [W/m2]		295
psAPD (4.0cm2, sq) [W/m2]		140
Power Drift [dB]	-0.02	0.01



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/12/12

S07 System Check_H2450_221212

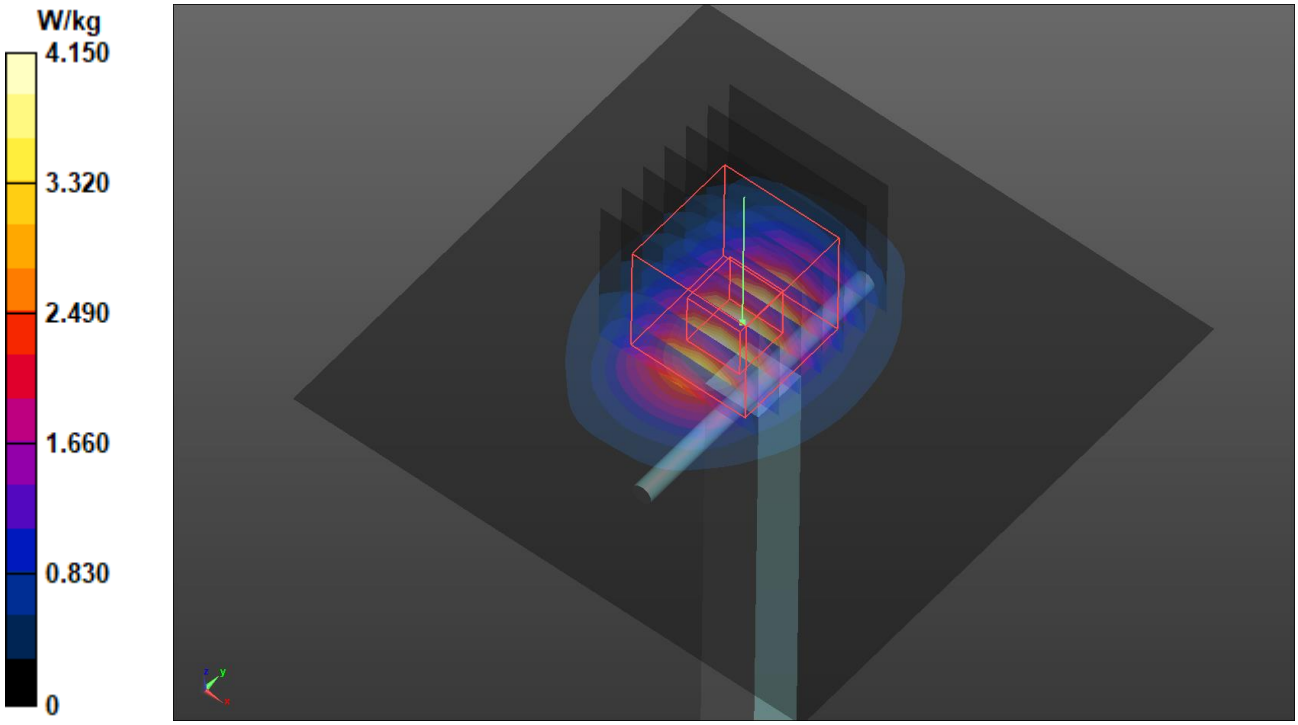
DUT: Dipole 2450 MHz; Type: D2450V2; SN: 737

Communication System: UID 0, CW; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium: H06T27N5_1212 Medium parameters used: f = 2450 MHz; σ = 1.842 S/m; ε_r = 40.332; ρ = 1000 kg/m^3
Ambient Temperature：22.6 ℃； Liquid Temperature：21.0 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7472; ConvF(7.89, 7.89, 7.89) @ 2450 MHz; Calibrated: 2022/05/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2022/06/01
- Phantom: ELI Phantom_2118; Type: QD OVA 004 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 4.15 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 41.39 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 5.14 W/kg
SAR(1 g) = 2.52 W/kg; SAR(10 g) = 1.2 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 4.17 W/kg



Measurement Report
S08 System Check_H6.5GHz_221210
Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Dipole	50.0 x 10.0 x 8.0		

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, HSL				6500	5.6	6.03	35.2

Hardware Setup

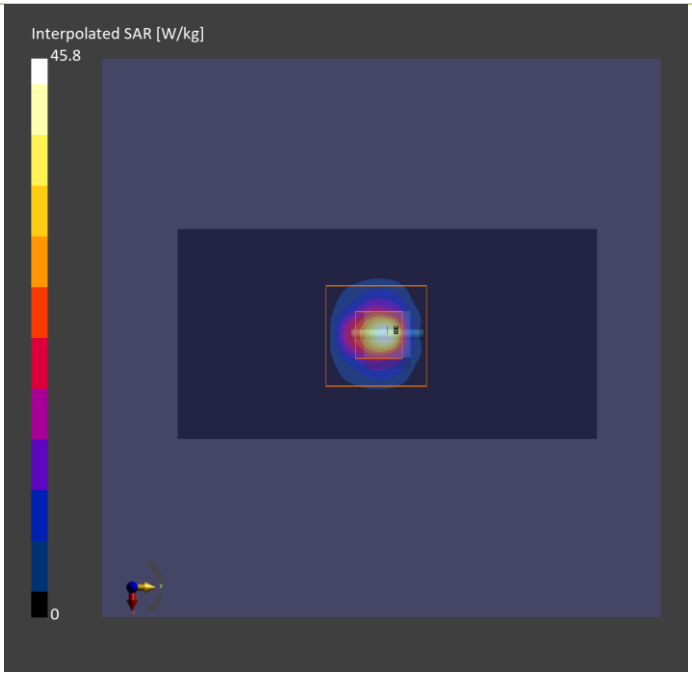
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2118	H06T27N5 , 2022-Dec-10	EX3DV4 - SN7472, 2022-05-27	DAE3 Sn579, 2022-06-01

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	45.0 x 90.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	7.5 x 7.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2022-12-10	2022-12-10
psSAR1g [W/kg]	25.3	29.1
psSAR10g [W/kg]	4.97	5.33
psAPD (1.0cm2, sq) [W/m2]		294
psAPD (4.0cm2, sq) [W/m2]		139
Power Drift [dB]	-0.01	0.02



Measurement Report
S08 PD_System Check_10 GHz_2022.12.13
Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
SPEAG, 5G Verification Source 10 GHz	100.0 x 100.0 x 170.0	SN: 1016	Phone

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	FRONT, 5.55	Validation band	CW,	10000.0, 10000	1.0

Hardware Setup

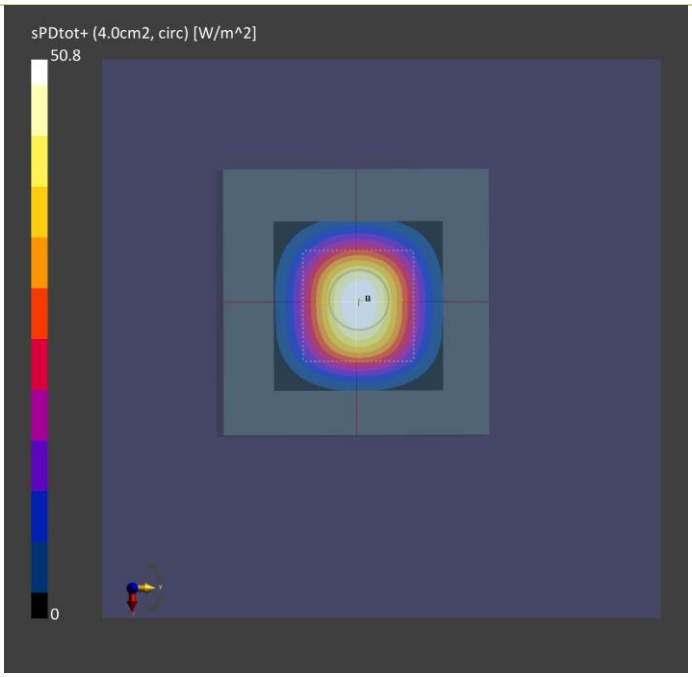
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 1029	--Air--	EUmmWV4 - SN9438_F1-55GHz, 2022-07-18	DAE4 Sn1341, 2022-07-19

Scan Setup

	5G Scan
Grid Extents [mm]	60.0 x 60.0
Grid Steps [lambda]	0.125 x 0.125
Sensor Surface [mm]	5.55

Measurement Results

	5G Scan
Date	2022-12-13
Avg. Area [cm²]	4.00
psPDn+ [W/m²]	50.0
psPDtot+ [W/m²]	50.8
psPDmod+ [W/m²]	51.1
E_{max} [V/m]	144
Power Drift [dB]	0.01



Appendix B. Plots of Measurement

The SAR plots for highest measured SAR in each exposure configuration, wireless mode and frequency band combination are shown as follows.

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/12/12

P01 WLAN2.4G_802.11b_Top Side_0mm_Ch11_Vendor 1_TX1+2

DUT: BEIP-WTW-P22120304

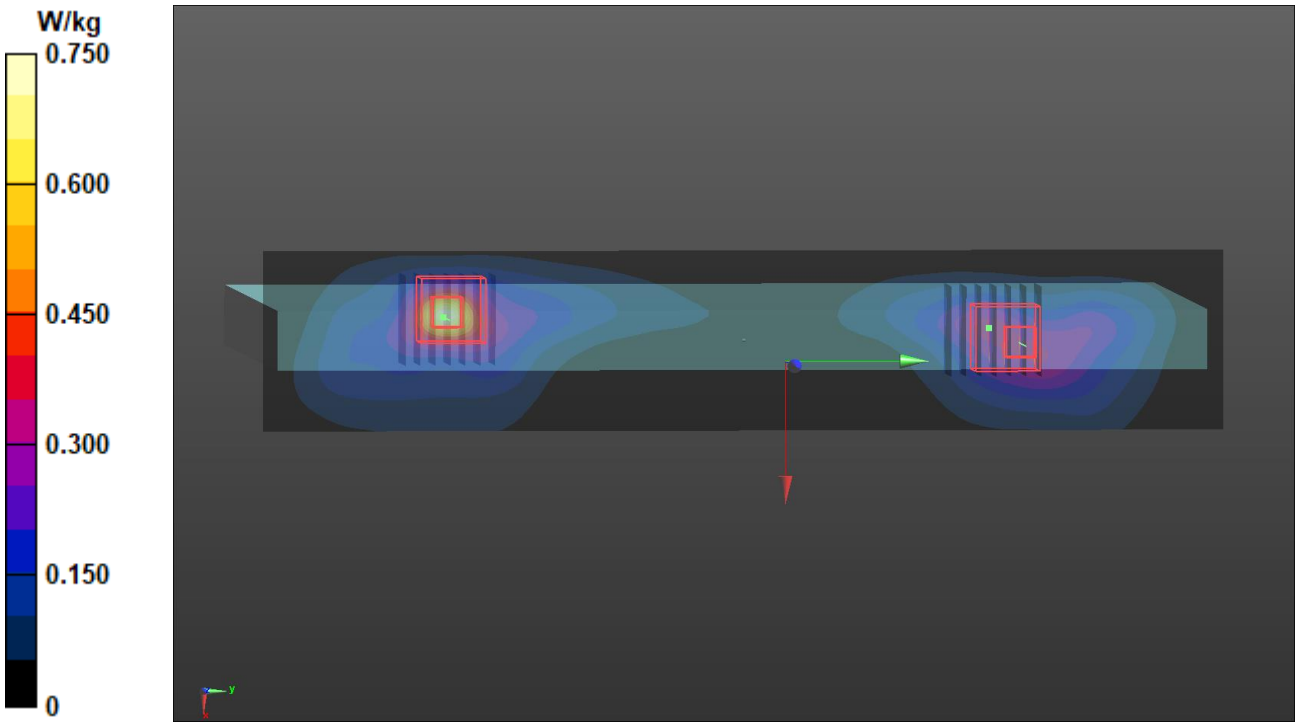
Communication System: UID 10012 - CAB, IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps); Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: H06T27N5_1212 Medium parameters used: f = 2462 MHz; σ = 1.852 S/m; ε_r = 40.313; ρ = 1000 kg/m^3
Ambient Temperature：22.6 ℃； Liquid Temperature：21.0 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7472; ConvF(7.89, 7.89, 7.89) @ 2462 MHz; Calibrated: 2022/05/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2022/06/01
- Phantom: ELI Phantom_2118; Type: QD OVA 004 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (51x271x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.750 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 20.29 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 0.579 W/kg
SAR(1 g) = 0.251 W/kg; SAR(10 g) = 0.109 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 6 mm
Ratio of SAR at M2 to SAR at M1 = 51.1%
Maximum value of SAR (measured) = 0.408 W/kg

Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 20.29 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 1.16 W/kg
SAR(1 g) = 0.475 W/kg; SAR(10 g) = 0.179 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 7 mm
Ratio of SAR at M2 to SAR at M1 = 47.7%
Maximum value of SAR (measured) = 0.829 W/kg


W/kg
0.750
0.600
0.450
0.300
0.150
0

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/12/12

P02 WLAN5.3G_802.11n HT40_Top Side_0mm_Ch54_Vendor 1_TX1+2

DUT: BEIP-WTW-P22120304

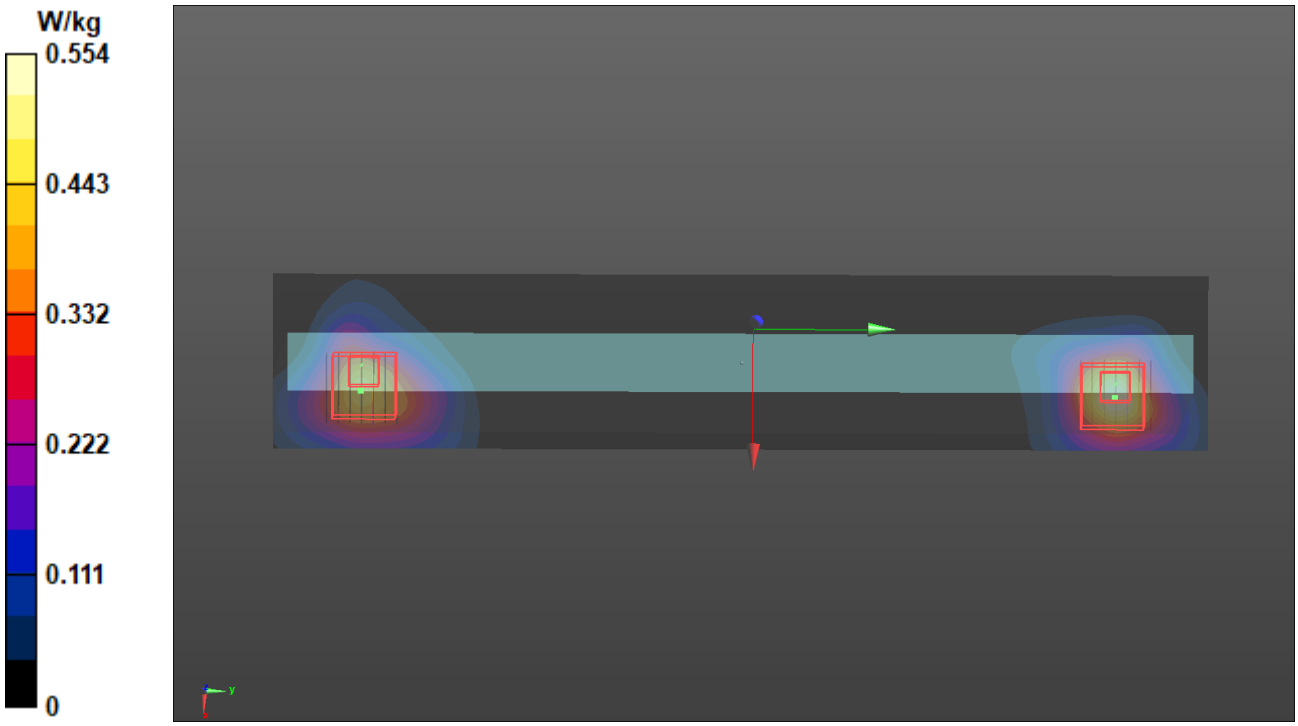
Communication System: UID 10599 - AAC, IEEE 802.11n (HT Mixed, 40MHz, MCS0); Frequency: 5270 MHz;Duty Cycle: 1:1.02
Medium: H51T72N5_1212 Medium parameters used: f = 5270 MHz; σ = 4.599 S/m; ε_r = 37.243; ρ = 1000 kg/m^3
Ambient Temperature：22.6 ℃； Liquid Temperature：21.0 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7472; ConvF(5.89, 5.89, 5.89) @ 5270 MHz; Calibrated: 2022/05/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2022/06/01
- Phantom: ELI Phantom_2118; Type: QD OVA 004 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (61x321x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.554 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 10.86 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 1.00 W/kg
SAR(1 g) = 0.294 W/kg; SAR(10 g) = 0.102 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 4.3 mm
Ratio of SAR at M2 to SAR at M1 = 68.6%
Maximum value of SAR (measured) = 0.648 W/kg

Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 10.86 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 1.13 W/kg
SAR(1 g) = 0.335 W/kg; SAR(10 g) = 0.112 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 8 mm
Ratio of SAR at M2 to SAR at M1 = 68.7%
Maximum value of SAR (measured) = 0.778 W/kg


W/kg
0.554
0.443
0.332
0.222
0.111
0

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/12/12

P04 WLAN5.6G_802.11ac VHT80_Top Side_0mm_Ch138_Vendor 1_TX1+2

DUT: BEIP-WTW-P22120304

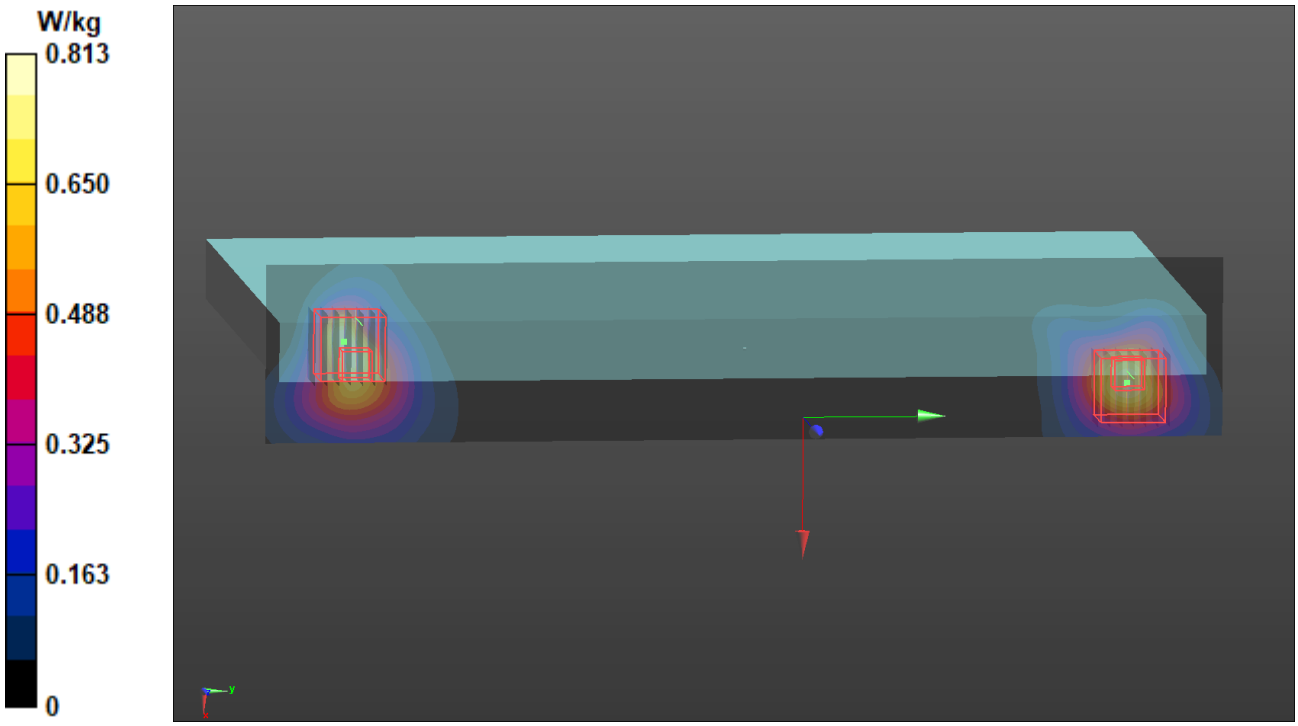
Communication System: UID 10544 - AAC, IEEE 802.11ac WiFi (80MHz, MCS0); Frequency: 5690 MHz;Duty Cycle: 1:1.03
Medium: H51T72N5_1212 Medium parameters used: f = 5690 MHz; σ = 5.081 S/m; ε_r = 36.522; ρ = 1000 kg/m^3
Ambient Temperature：22.6 ℃； Liquid Temperature：21.0 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7472; ConvF(5.28, 5.28, 5.28) @ 5690 MHz; Calibrated: 2022/05/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2022/06/01
- Phantom: ELI Phantom_2118; Type: QD OVA 004 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (61x321x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.813 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 12.38 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 1.56 W/kg
SAR(1 g) = 0.402 W/kg; SAR(10 g) = 0.128 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 5.7 mm
Ratio of SAR at M2 to SAR at M1 = 65.2%
Maximum value of SAR (measured) = 0.964 W/kg

Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 12.38 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 1.52 W/kg
SAR(1 g) = 0.402 W/kg; SAR(10 g) = 0.138 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 4.2 mm
Ratio of SAR at M2 to SAR at M1 = 65.4%
Maximum value of SAR (measured) = 0.944 W/kg


W/kg
0.813
0.650
0.488
0.325
0.163
0

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/12/12

P05 WLAN5.8G_802.11ac VHT80_Top Side_0mm_Ch155_Vendor 1_TX1+2

DUT: BEIP-WTW-P22120304

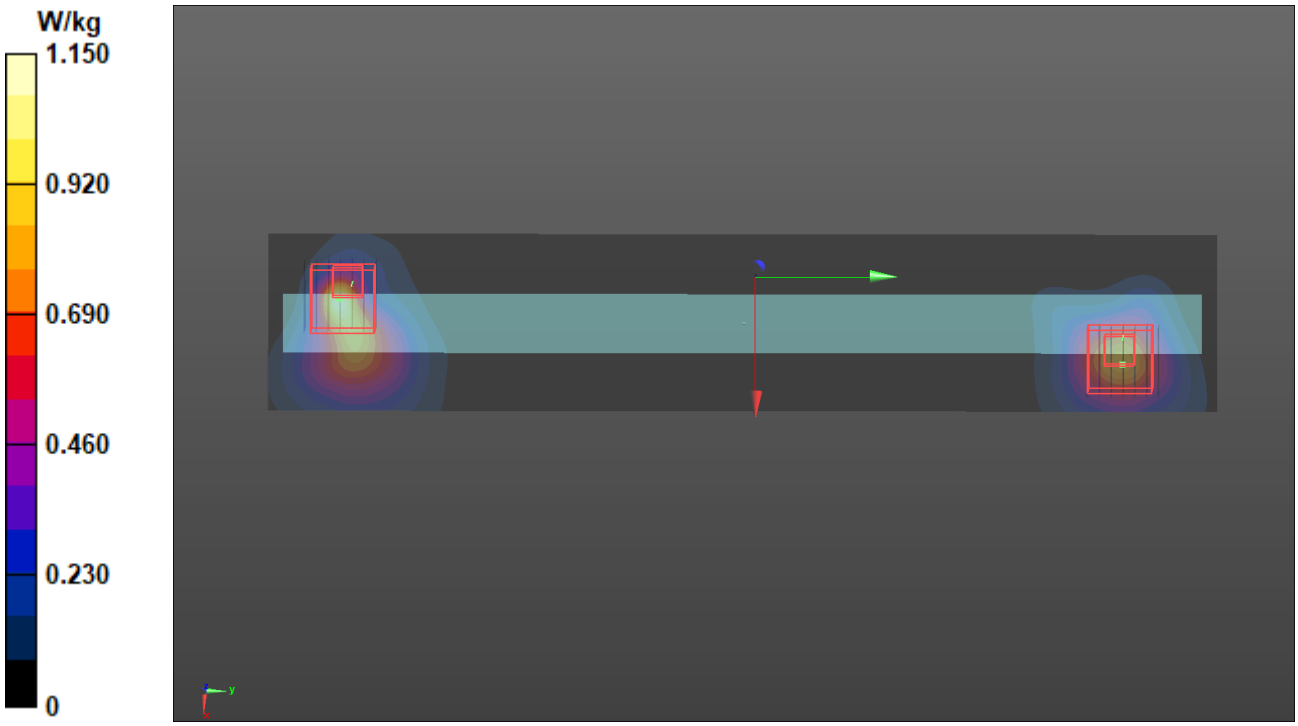
Communication System: UID 10544 - AAC, IEEE 802.11ac WiFi (80MHz, MCS0); Frequency: 5775 MHz;Duty Cycle: 1:1.03
Medium: H51T72N5_1212 Medium parameters used: f = 5775 MHz; σ = 5.177 S/m; ε_r = 36.382; ρ = 1000 kg/m^3
Ambient Temperature：22.6 ℃； Liquid Temperature：21.0 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7472; ConvF(5.28, 5.28, 5.28) @ 5775 MHz; Calibrated: 2022/05/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2022/06/01
- Phantom: ELI Phantom_2118; Type: QD OVA 004 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (61x321x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.15 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 13.50 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 2.11 W/kg
SAR(1 g) = 0.503 W/kg; SAR(10 g) = 0.155 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 5.7 mm
Ratio of SAR at M2 to SAR at M1 = 65%
Maximum value of SAR (measured) = 1.31 W/kg

Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 13.50 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 1.64 W/kg
SAR(1 g) = 0.430 W/kg; SAR(10 g) = 0.151 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 6.8 mm
Ratio of SAR at M2 to SAR at M1 = 63.8%
Maximum value of SAR (measured) = 1.00 W/kg


W/kg
1.150
0.920
0.690
0.460
0.230
0

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/12/12

P06 WLAN5.9G_802.11ac VHT80_Top Side_0mm_Ch171_Vendor 1_TX1+2

DUT: BEIP-WTW-P22120304

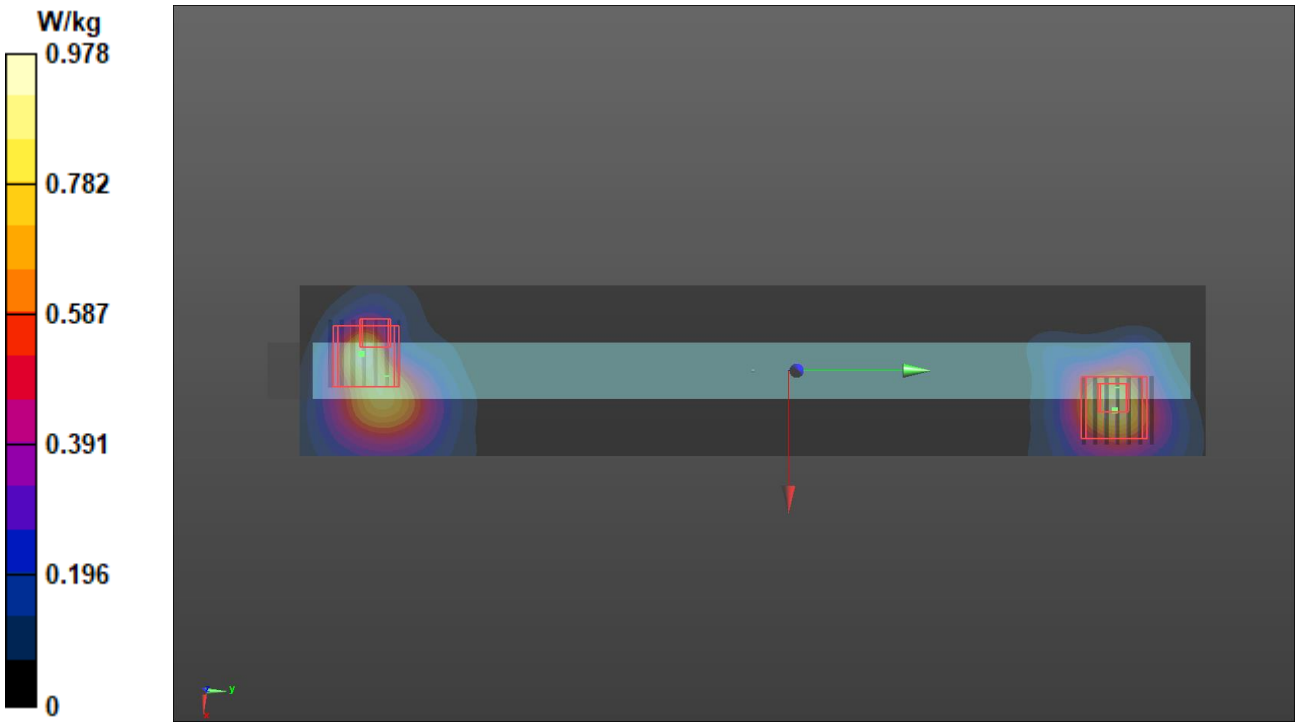
Communication System: UID 10544 - AAC, IEEE 802.11ac WiFi (80MHz, MCS0); Frequency: 5855 MHz;Duty Cycle: 1:1.03
Medium: H51T72N5_1212 Medium parameters used: f = 5855 MHz; σ = 5.275 S/m; ε_r = 36.276; ρ = 1000 kg/m^3
Ambient Temperature：22.6 ℃； Liquid Temperature：21.0 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7472; ConvF(5.28, 5.28, 5.28) @ 5855 MHz; Calibrated: 2022/05/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2022/06/01
- Phantom: ELI Phantom_2118; Type: QD OVA 004 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (61x321x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.978 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 13.17 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 2.20 W/kg
SAR(1 g) = 0.496 W/kg; SAR(10 g) = 0.155 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 4.1 mm
Ratio of SAR at M2 to SAR at M1 = 64.2%
Maximum value of SAR (measured) = 1.27 W/kg

Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 13.17 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 1.68 W/kg
SAR(1 g) = 0.436 W/kg; SAR(10 g) = 0.154 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 7.4 mm
Ratio of SAR at M2 to SAR at M1 = 63.1%
Maximum value of SAR (measured) = 1.01 W/kg


W/kg
0.978
0.782
0.587
0.391
0.196
0

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/12/12

P07 BT_BDR_Top Side_0mm_Ch78_Vendor 1_TX1

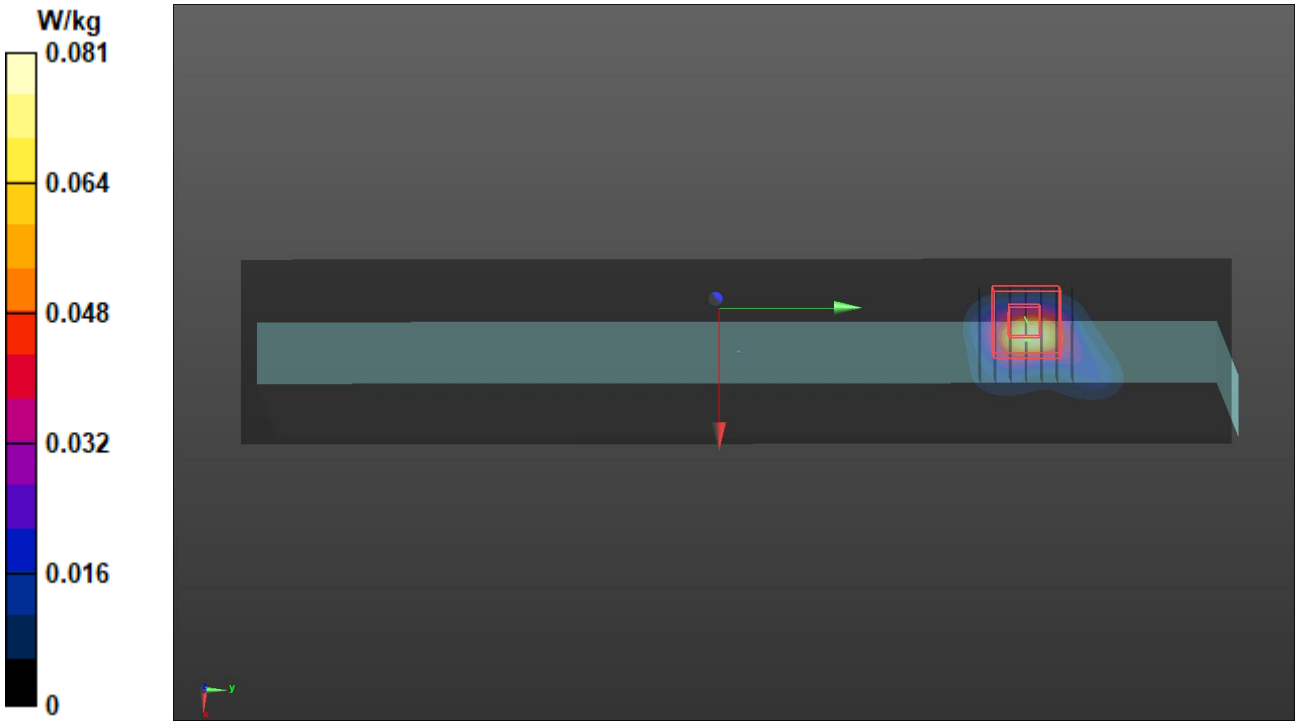
DUT: BEIP-WTW-P22120304

Communication System: UID 10032 - CAA, IEEE 802.15.1 Bluetooth (GFSK, DH5); Frequency: 2480 MHz;Duty Cycle: 1:1
Medium: H06T27N5_1212 Medium parameters used: f = 2480 MHz; σ = 1.867 S/m; ε_r = 40.291; ρ = 1000 kg/m^3
Ambient Temperature：22.6 ℃； Liquid Temperature：21.0 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7472; ConvF(7.89, 7.89, 7.89) @ 2480 MHz; Calibrated: 2022/05/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2022/06/01
- Phantom: ELI Phantom_2118; Type: QD OVA 004 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (51x271x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.081 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.373 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.0910 W/kg
SAR(1 g) = 0.036 W/kg; SAR(10 g) = 0.012 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid
Ratio of SAR at M2 to SAR at M1 = 46.3%
Maximum value of SAR (measured) = 0.0641 W/kg



Measurement Report for Device
P08 UNII-5_802.11ax HE160_Top Side_0mm_Ch15_Vendor 1_TX1
Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
BEIP-WTW-P22120304	310.0 x 220.0 x 20.0		Tablet

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,	Top Side, 0.00	U-NII-5	WLAN, 10755-AAC	6025.0, 15	5.6	5.46	36.0

Hardware Setup

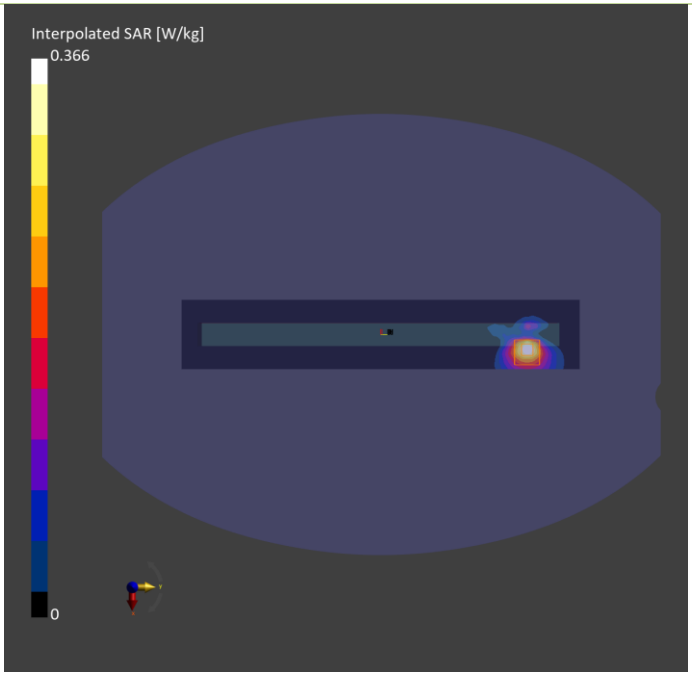
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2118	H06T27N5 , 2022-Dec-10	EX3DV4 - SN7472, 2022-05-27	DAE3 Sn579, 2022-06-01

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 345.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	7.5 x 7.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2022-12-10	2022-12-10
psSAR1g [W/kg]	0.277	0.345
psSAR10g [W/kg]	0.100	0.122
psAPD (1.0cm2, sq) [W/m2]		3.45
psAPD (4.0cm2, sq) [W/m2]		2.76
Power Drift [dB]	0.04	0.12
M2/M1 [%]		56.5
Dist 3dB Peak [mm]		5.5



Measurement Report
P08 UNII-5_802.11ax HE160_Top Side_0mm_Ch15_Vendor 1_TX1
Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
BEIP-WTW-P22120304	310.0 x 220.0 x 20.0		Laptop

Exposure Conditions

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

Hardware Setup

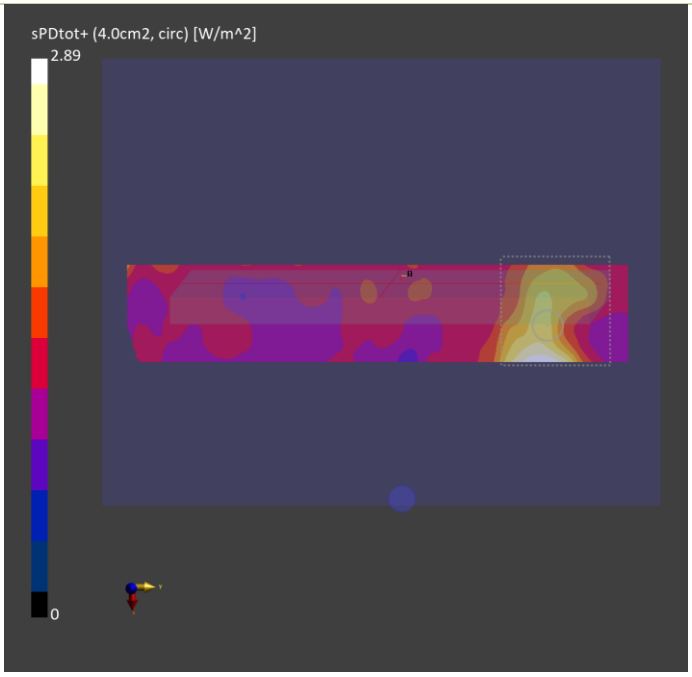
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 1029	--Air--	EUmmWV4 - SN9438_F1-55GHz, 2022-07-18	DAE4 Sn1341, 2022-07-19

Scan Setup

	5G Scan
Grid Extents [mm]	100.0 x 100.0
Grid Steps [lambda]	0.0502 x 0.0502
Sensor Surface [mm]	2.0

Measurement Results

	5G Scan
Date	2022-12-13
Avg. Area [cm²]	4.00
psPDn+ [W/m²]	1.34
psPDtot+ [W/m²]	2.89
psPDmod+ [W/m²]	4.52
E_{max} [V/m]	53.4
Power Drift [dB]	-0.07



Appendix D. Maximum Target Conducted Power

The maximum conducted average power (Unit: dBm) including tune-up tolerance is shown as below.

Tune-up Power (Full)_RTL8852CE_FCC							
WLAN 2.4GHz							
Mode	Channel	Frequency	SISO TX1 Max Tune up	SISO TX2 Max Tune up	MIMO TX1 Tune up	MIMO TX2 Tune up	MIMO TX1+2 Max Tune up
802.11b	1	2412			17.0	17.0	20.0
	6	2437			17.0	17.0	20.0
	11	2462			17.0	17.0	20.0
	12	2467			12.5	12.5	15.5
	13	2472			6.0	6.0	9.0
802.11g	1	2412			17.0	17.0	20.0
	6	2437			17.0	17.0	20.0
	11	2462			17.0	17.0	20.0
	12	2467			16.5	16.5	19.5
	13	2472			10.5	10.5	13.5
802.11n HT20	1	2412			17.0	17.0	20.0
	6	2437			17.0	17.0	20.0
	11	2462			16.0	16.0	19.0
	12	2467			16.0	16.0	19.0
	13	2472			5.5	5.5	8.5
802.11n HT40	3	2422			16.5	16.5	19.5
	6	2437			16.5	16.5	19.5
	9	2452			15.0	15.0	18.0
	10	2457			15.0	15.0	18.0
	11	2462			13.0	13.0	16.0
802.11ac VHT20	1	2412			17.0	17.0	20.0
	6	2437			17.0	17.0	20.0
	11	2462			16.0	16.0	19.0
	12	2467			16.0	16.0	19.0
	13	2472			5.5	5.5	8.5
802.11ac VHT40	3	2422			16.5	16.5	19.5
	6	2437			16.5	16.5	19.5
	9	2452			15.0	15.0	18.0
	10	2457			15.0	15.0	18.0
	11	2462			13.0	13.0	16.0
802.11ax HE20	1	2412			17.0	17.0	20.0
	6	2437			17.0	17.0	20.0
	11	2462			16.0	16.0	19.0
	12	2467			16.0	16.0	19.0
	13	2472			5.5	5.5	8.5
802.11ax HE40	3	2422			16.5	16.5	19.5
	6	2437			16.5	16.5	19.5
	9	2452			15.0	15.0	18.0
	10	2457			15.0	15.0	18.0
	11	2462			13.0	13.0	16.0

Tune-up Power (Full)_RTL8852CE_FCC				
Bluetooth				
Mode	Channel	Frequency	TX1 Max Tune-up	[redacted]
BR / EDR	0	2402	6.0	
	39	2441	6.0	
	78	2480	6.0	
LE	0	2402	6.0	
	19	2440	6.0	
	39	2480	6.0	

Tune-up Power (Full)_RTL8852CE_FCC							
WLAN 5.2GHz							
Mode	Channel	Frequency	SISO TX1 Max Tune up	SISO TX2 Max Tune up	MIMO TX1 Tune up	MIMO TX2 Tune up	MIMO TX1+2 Max Tune up
802.11a	36	5180			15.0	15.0	18.0
	40	5200			15.0	15.0	18.0
	44	5220			15.0	15.0	18.0
	48	5240			15.0	15.0	18.0
802.11n HT20	36	5180			15.0	15.0	18.0
	40	5200			15.0	15.0	18.0
	44	5220			15.0	15.0	18.0
	48	5240			15.0	15.0	18.0
802.11n HT40	38	5190			15.0	15.0	18.0
	46	5230			15.0	15.0	18.0
802.11ac VHT20	36	5180			15.0	15.0	18.0
	40	5200			15.0	15.0	18.0
	44	5220			15.0	15.0	18.0
	48	5240			15.0	15.0	18.0
802.11ac VHT40	38	5190			15.0	15.0	18.0
	46	5230			15.0	15.0	18.0
802.11ac VHT80	42	5210			13.5	13.5	16.5
802.11ax HE20	36	5180			15.0	15.0	18.0
	40	5200			15.0	15.0	18.0
	44	5220			15.0	15.0	18.0
	48	5240			15.0	15.0	18.0
802.11ax HE40	38	5190			15.0	15.0	18.0
	46	5230			15.0	15.0	18.0
802.11ax HE80	42	5210			13.5	13.5	16.5

Tune-up Power (Full)_RTL8852CE_FCC							
WLAN 5.3GHz							
Mode	Channel	Frequency	SISO TX1 Max Tune up	SISO TX2 Max Tune up	MIMO TX1 Tune up	MIMO TX2 Tune up	MIMO TX1+2 Max Tune up
802.11a	52	5260	[redacted]	[redacted]	15.0	15.0	18.0
	56	5280			15.0	15.0	18.0
	60	5300			15.0	15.0	18.0
	64	5320			15.0	15.0	18.0
802.11n HT20	52	5260			15.0	15.0	18.0
	56	5280			15.0	15.0	18.0
	60	5300			15.0	15.0	18.0
	64	5320			15.0	15.0	18.0
802.11n HT40	54	5270			15.0	15.0	18.0
	62	5310			15.0	15.0	18.0
802.11ac VHT20	52	5260			15.0	15.0	18.0
	56	5280			15.0	15.0	18.0
	60	5300			15.0	15.0	18.0
	64	5320			15.0	15.0	18.0
802.11ac VHT40	54	5270			15.0	15.0	18.0
	62	5310			15.0	15.0	18.0
802.11ac VHT80	58	5290			11.0	11.0	14.0
802.11ac VHT160	50	5250			9.5	9.5	12.5
802.11ax HE20	52	5260			15.0	15.0	18.0
	56	5280			15.0	15.0	18.0
	60	5300			15.0	15.0	18.0
	64	5320			15.0	15.0	18.0
802.11ax HE40	54	5270			15.0	15.0	18.0
	62	5310			15.0	15.0	18.0
802.11ax HE80	58	5290			11.0	11.0	14.0
802.11ax HE160	50	5250			9.5	9.5	12.5

Tune-up Power (Full)_RTL8852CE_FCC							
WLAN 5.6GHz							
Mode	Channel	Frequency	SISO TX1 Max Tune up	SISO TX2 Max Tune up	MIMO TX1 Tune up	MIMO TX2 Tune up	MIMO TX1+2 Max Tune up
802.11a	100	5500			15.0	15.0	18.0
	116	5580			15.0	15.0	18.0
	120	5600			15.0	15.0	18.0
	124	5620			15.0	15.0	18.0
	132	5660			15.0	15.0	18.0
	140	5700			14.5	14.5	17.5
	144	5720			15.0	15.0	18.0
802.11n HT20	100	5500			15.0	15.0	18.0
	116	5580			15.0	15.0	18.0
	120	5600			15.0	15.0	18.0
	124	5620			15.0	15.0	18.0
	132	5660			15.0	15.0	18.0
	140	5700			13.0	13.0	16.0
	144	5720			15.0	15.0	18.0
802.11n HT40	102	5510			15.0	15.0	18.0
	110	5550			15.0	15.0	18.0
	118	5590			15.0	15.0	18.0
	126	5630			15.0	15.0	18.0
	134	5670			15.0	15.0	18.0
	142	5710			15.0	15.0	18.0
802.11ac VHT20	100	5500			15.0	15.0	18.0
	116	5580			15.0	15.0	18.0
	120	5600			15.0	15.0	18.0
	124	5620			15.0	15.0	18.0
	132	5660			15.0	15.0	18.0
	140	5700			13.0	13.0	16.0
	144	5720			15.0	15.0	18.0
802.11ac VHT40	102	5510			15.0	15.0	18.0
	110	5550			15.0	15.0	18.0
	118	5590			15.0	15.0	18.0
	126	5630			15.0	15.0	18.0
	134	5670			15.0	15.0	18.0
	142	5710			15.0	15.0	18.0
802.11ac VHT80	106	5530			14.0	14.0	17.0
	122	5610			14.5	14.5	17.5
	138	5690			15.0	15.0	18.0
802.11ac VHT160	114	5570			10.5	10.5	13.5
802.11ax HE20	100	5500			15.0	15.0	18.0
	116	5580			15.0	15.0	18.0
	120	5600			15.0	15.0	18.0
	124	5620			15.0	15.0	18.0
	132	5660			15.0	15.0	18.0
	140	5700			13.0	13.0	16.0
	144	5720			15.0	15.0	18.0
802.11ax HE40	102	5510			15.0	15.0	18.0
	110	5550			15.0	15.0	18.0
	118	5590			15.0	15.0	18.0
	126	5630			15.0	15.0	18.0
	134	5670			15.0	15.0	18.0
	142	5710			15.0	15.0	18.0
802.11ax HE80	106	5530			14.0	14.0	17.0
	122	5610			14.5	14.5	17.5
	138	5690			15.0	15.0	18.0
802.11ax HE160	114	5570			10.5	10.5	13.5

Tune-up Power (Full)_RTL8852CE_FCC							
WLAN 5.8GHz							
Mode	Channel	Frequency	SISO TX1 Max Tune up	SISO TX2 Max Tune up	MIMO TX1 Tune up	MIMO TX2 Tune up	MIMO TX1+2 Max Tune up
802.11a	149	5745	[redacted]	[redacted]	15.0	15.0	18.0
	153	5765			15.0	15.0	18.0
	157	5785			15.0	15.0	18.0
	161	5805			15.0	15.0	18.0
	165	5825			15.0	15.0	18.0
802.11n HT20	149	5745			15.0	15.0	18.0
	153	5765			15.0	15.0	18.0
	157	5785			15.0	15.0	18.0
	161	5805			15.0	15.0	18.0
	165	5825			15.0	15.0	18.0
802.11n HT40	151	5755			15.0	15.0	18.0
	159	5795			15.0	15.0	18.0
802.11ac VHT20	149	5745			15.0	15.0	18.0
	153	5765			15.0	15.0	18.0
	157	5785			15.0	15.0	18.0
	161	5805			15.0	15.0	18.0
	165	5825			15.0	15.0	18.0
802.11ac VHT40	151	5755			15.0	15.0	18.0
	159	5795			15.0	15.0	18.0
802.11ac VHT80	155	5775			15.0	15.0	18.0
802.11ax HE20	149	5745			15.0	15.0	18.0
	153	5765			15.0	15.0	18.0
	157	5785			15.0	15.0	18.0
	161	5805			15.0	15.0	18.0
	165	5825			15.0	15.0	18.0
802.11ax HE40	151	5755			15.0	15.0	18.0
	159	5795			15.0	15.0	18.0
802.11ax HE80	155	5775			15.0	15.0	18.0

Tune-up Power (Full)_RTL8852CE_FCC							
WLAN 5.9GHz							
Mode	Channel	Frequency	SISO TX1 Max Tune up	SISO TX2 Max Tune up	MIMO TX1 Tune up	MIMO TX2 Tune up	MIMO TX1+2 Max Tune up
802.11a	169	5845	[redacted]	[redacted]	13.5	13.5	16.5
	173	5865			13.5	13.5	16.5
	177	5885			13.5	13.5	16.5
802.11n HT20	169	5845			13.5	13.5	16.5
	173	5865			14.0	14.0	17.0
	177	5885			13.5	13.5	16.5
802.11n HT40	167	5835			15.0	15.0	18.0
	175	5875			15.0	15.0	18.0
802.11ac VHT20	169	5845			13.5	13.5	16.5
	173	5865			14.0	14.0	17.0
	177	5885			13.5	13.5	16.5
802.11ac VHT40	167	5835			15.0	15.0	18.0
	175	5875			15.0	15.0	18.0
802.11ac VHT80	171	5855			15.0	15.0	18.0
802.11ax HE20	169	5845			13.5	13.5	16.5
	173	5865			14.0	14.0	17.0
	177	5885			13.5	13.5	16.5
802.11ax HE40	167	5835			15.0	15.0	18.0
	175	5875			15.0	15.0	18.0
802.11ax HE80	171	5855			15.0	15.0	18.0

Tune-up Power (Full)_RTL8852CE_FCC							
UNII-5							
Mode	Channel	Frequency	SISO TX1 Max Tune up	SISO TX2 Max Tune up	MIMO TX1 Tune up	MIMO TX2 Tune up	MIMO TX1+2 Max Tune up
802.11a	1	5955	7.5	7.5	1.0	1.0	4.0
	5	5975	7.0	7.0	0.5	0.5	3.5
	9	5995	7.0	7.0	0.5	0.5	3.5
	13	6015	7.0	7.0	0.5	0.5	3.5
	17	6035	7.0	7.0	0.5	0.5	3.5
	21	6055	7.0	7.0	0.5	0.5	3.5
	25	6075	7.0	7.0	0.5	0.5	3.5
	29	6095	7.0	7.0	0.5	0.5	3.5
	33	6115	7.0	7.0	0.5	0.5	3.5
	37	6135	7.0	7.0	0.5	0.5	3.5
	41	6155	7.0	7.0	0.5	0.5	3.5
	45	6175	7.0	7.0	0.5	0.5	3.5
	49	6195	7.0	7.0	0.5	0.5	3.5
	53	6215	7.0	7.0	0.5	0.5	3.5
	57	6235	7.0	7.0	0.5	0.5	3.5
	61	6255	7.0	7.0	0.5	0.5	3.5
	65	6275	7.0	7.0	0.5	0.5	3.5
	69	6295	7.0	7.0	0.5	0.5	3.5
	73	6315	7.0	7.0	0.5	0.5	3.5
	77	6335	7.0	7.0	0.5	0.5	3.5
	81	6355	7.0	7.0	0.5	0.5	3.5
	85	6375	7.0	7.0	0.5	0.5	3.5
	89	6395	7.0	7.0	0.5	0.5	3.5
	93	6415	7.0	7.0	1.0	1.0	4.0
802.11ax HE20	1	5955	7.5	7.5	1.0	1.0	4.0
	5	5975	7.0	7.0	0.5	0.5	3.5
	9	5995	7.0	7.0	0.5	0.5	3.5
	13	6015	7.0	7.0	0.5	0.5	3.5
	17	6035	7.0	7.0	0.5	0.5	3.5
	21	6055	7.0	7.0	0.5	0.5	3.5
	25	6075	7.0	7.0	0.5	0.5	3.5
	29	6095	7.0	7.0	0.5	0.5	3.5
	33	6115	7.0	7.0	0.5	0.5	3.5
	37	6135	7.0	7.0	0.5	0.5	3.5
	41	6155	7.0	7.0	0.5	0.5	3.5
	45	6175	7.0	7.0	0.5	0.5	3.5
	49	6195	7.0	7.0	0.5	0.5	3.5
	53	6215	7.0	7.0	0.5	0.5	3.5
	57	6235	7.0	7.0	0.5	0.5	3.5
	61	6255	7.0	7.0	0.5	0.5	3.5
	65	6275	7.0	7.0	0.5	0.5	3.5
	69	6295	7.0	7.0	0.5	0.5	3.5
	73	6315	7.0	7.0	0.5	0.5	3.5
	77	6335	7.0	7.0	0.5	0.5	3.5
	81	6355	7.0	7.0	0.5	0.5	3.5
	85	6375	7.0	7.0	0.5	0.5	3.5
	89	6395	7.0	7.0	0.5	0.5	3.5
	93	6415	7.0	7.0	1.0	1.0	4.0

Tune-up Power (Full)_RTL8852CE_FCC							
UNII-5							
Mode	Channel	Frequency	SISO TX1 Max Tune up	SISO TX2 Max Tune up	MIMO TX1 Tune up	MIMO TX2 Tune up	MIMO TX1+2 Max Tune up
802.11ax HE40	3	5965	10.0	10.0	4.0	4.0	7.0
	11	6005	10.0	10.0	4.0	4.0	7.0
	19	6045	10.0	10.0	4.0	4.0	7.0
	27	6085	10.0	10.0	4.0	4.0	7.0
	35	6125	10.0	10.0	4.0	4.0	7.0
	43	6165	10.0	10.0	4.0	4.0	7.0
	51	6205	10.0	10.0	4.0	4.0	7.0
	59	6245	10.0	10.0	4.0	4.0	7.0
	67	6285	10.0	10.0	4.0	4.0	7.0
	75	6325	10.0	10.0	4.0	4.0	7.0
	83	6365	10.0	10.0	4.0	4.0	7.0
	91	6405	10.0	10.0	4.0	4.0	7.0
802.11ax HE80	7	5985	13.0	13.0	7.0	7.0	10.0
	23	6065	13.0	13.0	6.5	6.5	9.5
	39	6145	13.0	13.0	6.5	6.5	9.5
	55	6225	13.0	13.0	6.5	6.5	9.5
	71	6305	13.0	13.0	6.5	6.5	9.5
	87	6385	13.0	13.0	7.0	7.0	10.0
802.11ax HE160	15	6025	14.5	14.5	9.5	9.5	12.5
	47	6185	14.5	14.5	9.0	9.0	12.0
	79	6345	14.5	14.5	9.0	9.0	12.0

Tune-up Power (Full)_RTL8852CE_FCC							
UNII-6							
Mode	Channel	Frequency	SISO TX1 Max Tune up	SISO TX2 Max Tune up	MIMO TX1 Tune up	MIMO TX2 Tune up	MIMO TX1+2 Max Tune up
802.11a	97	6435	7.0	7.0	1.0	1.0	4.0
	101	6455	7.0	7.0	1.0	1.0	4.0
	105	6475	7.5	7.5	1.0	1.0	4.0
	109	6495	7.0	7.0	1.0	1.0	4.0
	113	6515	7.0	7.0	1.0	1.0	4.0
	117	6535	7.0	7.0	1.0	1.0	4.0
802.11ax HE20	97	6435	7.0	7.0	1.0	1.0	4.0
	101	6455	7.0	7.0	1.0	1.0	4.0
	105	6475	7.5	7.5	1.0	1.0	4.0
	109	6495	7.0	7.0	1.0	1.0	4.0
	113	6515	7.0	7.0	1.0	1.0	4.0
	117	6535	7.0	7.0	1.0	1.0	4.0
802.11ax HE40	99	6445	10.0	10.0	4.5	4.5	7.5
	107	6485	10.5	10.5	4.0	4.0	7.0
	115	6525	10.5	10.5	4.0	4.0	7.0
802.11ax HE80	103	6465	13.0	13.0	7.0	7.0	10.0
	119	6545	13.0	13.0	6.5	6.5	9.5
802.11ax HE160	111	6505	15.0	15.0	9.0	9.0	12.0

Tune-up Power (Full)_RTL8852CE_FCC							
UNII-7							
Mode	Channel	Frequency	SISO TX1 Max Tune up	SISO TX2 Max Tune up	MIMO TX1 Tune up	MIMO TX2 Tune up	MIMO TX1+2 Max Tune up
802.11a	121	6555	7.0	7.0	1.0	1.0	4.0
	125	6575	7.0	7.0	1.0	1.0	4.0
	129	6595	7.0	7.0	1.0	1.0	4.0
	133	6615	7.0	7.0	1.0	1.0	4.0
	137	6635	7.0	7.0	1.0	1.0	4.0
	141	6655	7.0	7.0	1.0	1.0	4.0
	145	6675	7.0	7.0	1.0	1.0	4.0
	149	6695	7.5	7.5	1.0	1.0	4.0
	153	6715	7.0	7.0	1.0	1.0	4.0
	157	6735	7.0	7.0	1.0	1.0	4.0
	161	6755	7.0	7.0	1.0	1.0	4.0
	165	6775	7.0	7.0	1.0	1.0	4.0
	169	6795	7.0	7.0	1.0	1.0	4.0
	173	6815	7.0	7.0	1.0	1.0	4.0
	177	6835	7.0	7.0	1.0	1.0	4.0
	181	6855	7.0	7.0	1.0	1.0	4.0
	185	6875	7.0	7.0	1.0	1.0	4.0
802.11ax HE20	121	6555	7.0	7.0	1.0	1.0	4.0
	125	6575	7.0	7.0	1.0	1.0	4.0
	129	6595	7.0	7.0	1.0	1.0	4.0
	133	6615	7.0	7.0	1.0	1.0	4.0
	137	6635	7.0	7.0	1.0	1.0	4.0
	141	6655	7.0	7.0	1.0	1.0	4.0
	145	6675	7.0	7.0	1.0	1.0	4.0
	149	6695	7.5	7.5	1.0	1.0	4.0
	153	6715	7.0	7.0	1.0	1.0	4.0
	157	6735	7.0	7.0	1.0	1.0	4.0
	161	6755	7.0	7.0	1.0	1.0	4.0
	165	6775	7.0	7.0	1.0	1.0	4.0
	169	6795	7.0	7.0	1.0	1.0	4.0
	173	6815	7.0	7.0	1.0	1.0	4.0
	177	6835	7.0	7.0	1.0	1.0	4.0
	181	6855	7.0	7.0	1.0	1.0	4.0
	185	6875	7.0	7.0	1.0	1.0	4.0
802.11ax HE40	123	6565	10.5	10.5	4.0	4.0	7.0
	131	6605	10.0	10.0	4.0	4.0	7.0
	139	6645	10.0	10.0	4.0	4.0	7.0
	147	6685	10.0	10.0	4.0	4.0	7.0
	155	6725	10.0	10.0	4.0	4.0	7.0
	163	6765	10.0	10.0	4.0	4.0	7.0
	171	6805	10.0	10.0	4.0	4.0	7.0
	179	6845	10.0	10.0	4.0	4.0	7.0
	187	6885	10.0	10.0	4.0	4.0	7.0
802.11ax HE80	135	6625	13.0	13.0	7.0	7.0	10.0
	151	6705	13.0	13.0	6.5	6.5	9.5
	167	6785	13.0	13.0	6.5	6.5	9.5
	183	6865	13.0	13.0	6.5	6.5	9.5
802.11ax HE160	143	6665	15.0	15.0	9.5	9.5	12.5
	175	6825	15.0	15.0	9.5	9.5	12.5

Tune-up Power (Full)_RTL8852CE_FCC							
UNII-8							
Mode	Channel	Frequency	SISO TX1 Max Tune up	SISO TX2 Max Tune up	MIMO TX1 Tune up	MIMO TX2 Tune up	MIMO TX1+2 Max Tune up
802.11a	189	6895	7.0	7.0	1.0	1.0	4.0
	193	6915	7.0	7.0	1.0	1.0	4.0
	197	6935	7.0	7.0	1.0	1.0	4.0
	201	6955	7.0	7.0	1.0	1.0	4.0
	205	6975	7.0	7.0	1.0	1.0	4.0
	209	6995	7.0	7.0	1.0	1.0	4.0
	213	7015	7.0	7.0	1.0	1.0	4.0
	217	7035	7.0	7.0	1.0	1.0	4.0
	221	7055	7.0	7.0	1.0	1.0	4.0
	225	7075	7.0	7.0	1.0	1.0	4.0
	229	7095	7.5	7.5	1.5	1.5	4.5
	233	7115	7.5	7.5	1.5	1.5	4.5
802.11ax HE20	189	6895	7.0	7.0	1.0	1.0	4.0
	193	6915	7.0	7.0	1.0	1.0	4.0
	197	6935	7.0	7.0	1.0	1.0	4.0
	201	6955	7.0	7.0	1.0	1.0	4.0
	205	6975	7.0	7.0	1.0	1.0	4.0
	209	6995	7.0	7.0	1.0	1.0	4.0
	213	7015	7.0	7.0	1.0	1.0	4.0
	217	7035	7.0	7.0	1.0	1.0	4.0
	221	7055	7.0	7.0	1.0	1.0	4.0
	225	7075	7.0	7.0	1.0	1.0	4.0
	229	7095	7.5	7.5	1.5	1.5	4.5
	233	7115	7.5	7.5	1.5	1.5	4.5
802.11ax HE40	195	6925	10.5	10.5	4.0	4.0	7.0
	203	6965	10.0	10.0	4.5	4.5	7.5
	211	7005	10.0	10.0	4.0	4.0	7.0
	219	7045	10.0	10.0	4.0	4.0	7.0
	227	7085	10.5	10.5	4.5	4.5	7.5
802.11ax HE80	199	6945	13.0	13.0	7.0	7.0	10.0
	215	7025	12.5	12.5	7.0	7.0	10.0
802.11ax HE160	207	6985	11.5	11.5	9.5	9.5	12.5

Appendix E. Measured Conducted Power Result

The measuring conducted power (Unit: dBm) are shown as below.

Conducted Power (Full)_RTL8852CE					
WLAN2.4GHz TX1+2					
Mode	Channel	Frequency	MIMO TX1 Avg. Power	MIMO TX2 Avg. Power	MIMO TX1+2 Avg. Power
802.11b	1	2412	16.98	16.63	19.82
	6	2437	16.93	16.78	19.87
	11	2462	16.83	16.59	19.72
	12	2467	12.05	12.37	15.22
	13	2472	4.82	5.96	8.44

Conducted Power (Full)_RTL8852CE			
Bluetooth TX1			
Mode	Channel	Frequency	SISO TX1 Avg. Power
BR / EDR	0	2402	5.86
	39	2441	5.65
	78	2480	5.99
LE	0	2402	5.76
	19	2440	5.83
	39	2480	5.77

Conducted Power (Full)_RTL8852CE					
WLAN 5.3GHz TX1+2					
Mode	Channel	Frequency	MIMO TX1 Avg. Power	MIMO TX2 Avg. Power	MIMO TX1+2 Avg. Power
802.11n HT40	54	5270	14.73	14.81	17.78
	62	5310	14.88	14.79	17.85

Conducted Power (Full)_RTL8852CE					
WLAN 5.6GHz TX1+2					
Mode	Channel	Frequency	MIMO TX1 Avg. Power	MIMO TX2 Avg. Power	MIMO TX1+2 Avg. Power
802.11ac VHT80	106	5530	13.52	13.88	16.71
	122	5610	14.42	14.38	17.41
	138	5690	14.79	14.9	17.86

Conducted Power (Full)_RTL8852CE					
WLAN 5.8GHz TX1+2					
Mode	Channel	Frequency	MIMO TX1 Avg. Power	MIMO TX2 Avg. Power	MIMO TX1+2 Avg. Power
802.11ac VHT80	155	5775	14.82	14.96	17.9

Conducted Power (Full)_RTL8852CE					
WLAN 5.9GHz TX1+2					
Mode	Channel	Frequency	MIMO TX1 Avg. Power	MIMO TX2 Avg. Power	MIMO TX1+2 Avg. Power
802.11ac VHT80	171	5855	14.78	14.91	17.86

Conducted Power (Full)_RTL8852CE			
UNII-5 Ant 1			
Mode	Channel	Frequency	SISO TX1 Avg. Power
802.11ax HE160	15	6025	14.45
	47	6185	14.42
	79	6345	14.41

Conducted Power (Full)_RTL8852CE			
UNII-5 Ant 2			
Mode	Channel	Frequency	SISO TX2 Avg. Power
802.11ax HE160	15	6025	14.37
	47	6185	14.29
	79	6345	14.35

Conducted Power (Full)_RTL8852CE					
UNII-5 Ant 1+2					
Mode	Channel	Frequency	MIMO TX1 Avg. Power	MIMO TX2 Avg. Power	MIMO TX1+2 Avg. Power
802.11ax HE160	15	6025	9.27	9.42	12.36
	47	6185	8.97	8.8	11.9
	79	6345	8.71	8.99	11.86

Conducted Power (Full)_RTL8852CE			
UNII-6 Ant 1			
Mode	Channel	Frequency	SISO TX1 Avg. Power
802.11ax HE160	111	6505	14.88

Conducted Power (Full)_RTL8852CE			
UNII-6 Ant 2			
Mode	Channel	Frequency	SISO TX2 Avg. Power
802.11ax HE160	111	6505	14.95

Conducted Power (Full)_RTL8852CE					
UNII-6 Ant 1+2					
Mode	Channel	Frequency	MIMO TX1 Avg. Power	MIMO TX2 Avg. Power	MIMO TX1+2 Avg. Power
802.11ax HE160	111	6505	8.7	8.84	11.78

Conducted Power (Full)_RTL8852CE			
UNII-7 Ant 1			
Mode	Channel	Frequency	SISO TX1 Avg. Power
802.11ax HE160	143	6665	14.91
	175	6825	14.94

Conducted Power (Full)_RTL8852CE			
UNII-7 Ant 2			
Mode	Channel	Frequency	SISO TX2 Avg. Power
802.11ax HE160	143	6665	14.87
	175	6825	14.96

Conducted Power (Full)_RTL8852CE					
UNII-7 Ant 1+2					
Mode	Channel	Frequency	MIMO TX1 Avg. Power	MIMO TX2 Avg. Power	MIMO TX1+2 Avg. Power
802.11ax HE160	143	6665	8.52	9.45	12.02
	175	6825	9.13	9.24	12.2

Conducted Power (Full)_RTL8852CE			
UNII-8 Ant 1			
Mode	Channel	Frequency	SISO TX1 Avg. Power
802.11ax HE80	199	6945	12.89
	215	7025	12.31

Conducted Power (Full)_RTL8852CE			
UNII-8 Ant 2			
Mode	Channel	Frequency	SISO TX2 Avg. Power
802.11ax HE80	199	6945	12.91
	215	7025	12.49

Conducted Power (Full)_RTL8852CE					
UNII-8 Ant 1+2					
Mode	Channel	Frequency	MIMO TX1 Avg. Power	MIMO TX2 Avg. Power	MIMO TX1+2 Avg. Power
802.11ax HE160	207	6985	8.87	9.38	12.14

Appendix F. SAR and APD / Incident Power Density Test Result

SAR Results for Body Exposure Condition.

Note:
1. SAR testing for WLAN was performed on the maximum power mode.
2. The “< 0.001” means there is no SAR value or the SAR is too low to be measured.
3. Per KDB 388624 APPENDIX OVER6G, the minimum of 5 channels to perform IPD across U-NII 5,6,7 and 8. and measured results were scaled by factor 1.545 to reported power density when measurement uncertainty exceed 30%.

Body SAR Test Result

System & Position						DUT Configuration		SAR							
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	Sample	Ant Status	Duty Cycle	Crest Factor	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Scaling Factor	Power Drift (dB)	Measured SAR-1g (W/kg)	Scaled SAR-1g (W/kg)
	WLAN2.4G	802.11b	Bottom of Laptop	0	6	Vendor 1	TX1+2	100.00	1.00	20.00	19.87	1.03	0	<0.001	0.00
	WLAN2.4G	802.11b	Rear Face	0	6	Vendor 1	TX1+2	100.00	1.00	20.00	19.87	1.03	0.13	0.104	0.11
	WLAN2.4G	802.11b	Left Side	0	6	Vendor 1	TX1+2	100.00	1.00	20.00	19.87	1.03	0.18	0.222	0.23
	WLAN2.4G	802.11b	Right Side	0	6	Vendor 1	TX1+2	100.00	1.00	20.00	19.87	1.03	-0.07	0.248	0.26
	WLAN2.4G	802.11b	Top Side	0	6	Vendor 1	TX1+2	100.00	1.00	20.00	19.87	1.03	0.12	0.371	0.38
	WLAN2.4G	802.11b	Bottom Side	0	6	Vendor 1	TX1+2	100.00	1.00	20.00	19.87	1.03	0	<0.001	0.00
	WLAN2.4G	802.11b	Top Side	0	1	Vendor 1	TX1+2	100.00	1.00	20.00	19.82	1.04	0.12	0.362	0.38
1	WLAN2.4G	802.11b	Top Side	0	11	Vendor 1	TX1+2	100.00	1.00	20.00	19.72	1.07	-0.15	0.475	0.51
	WLAN2.4G	802.11b	Top Side	0	12	Vendor 1	TX1+2	100.00	1.00	15.50	15.22	1.07	-0.05	0.177	0.19
	WLAN2.4G	802.11b	Top Side	0	13	Vendor 1	TX1+2	100.00	1.00	9.00	8.44	1.14	-0.18	0.055	0.06
	WLAN2.4G	802.11b	Top Side	0	11	Vendor 2	TX1+2	100.00	1.00	20.00	19.72	1.07	0.01	0.449	0.48
		-						-	1.00	-	-	1		-	-
	WLAN5.3G	802.11n HT40	Bottom of Laptop	0	62	Vendor 1	TX1+2	97.90	1.02	18.00	17.85	1.04	0	<0.001	0.00
	WLAN5.3G	802.11n HT40	Rear Face	0	62	Vendor 1	TX1+2	97.90	1.02	18.00	17.85	1.04	0	<0.001	0.00
	WLAN5.3G	802.11n HT40	Left Side	0	62	Vendor 1	TX1+2	97.90	1.02	18.00	17.85	1.04	-0.11	0.117	0.12
	WLAN5.3G	802.11n HT40	Right Side	0	62	Vendor 1	TX1+2	97.90	1.02	18.00	17.85	1.04	-0.08	0.069	0.07
	WLAN5.3G	802.11n HT40	Top Side	0	62	Vendor 1	TX1+2	97.90	1.02	18.00	17.85	1.04	-0.03	0.297	0.32
	WLAN5.3G	802.11n HT40	Bottom Side	0	62	Vendor 1	TX1+2	97.90	1.02	18.00	17.85	1.04	0	<0.001	0.00
2	WLAN5.3G	802.11n HT40	Top Side	0	54	Vendor 1	TX1+2	97.90	1.02	18.00	17.78	1.05	-0.08	0.335	0.36
	WLAN5.3G	802.11n HT40	Top Side	0	54	Vendor 2	TX1+2	97.90	1.02	18.00	17.78	1.05	0.15	0.323	0.35
		-						-	1.00	-	-	1		-	-
	WLAN5.6G	802.11ac VHT80	Bottom of Laptop	0	138	Vendor 1	TX1+2	97.00	1.03	18.00	17.86	1.03	0.17	<0.001	0.00
	WLAN5.6G	802.11ac VHT80	Rear Face	0	138	Vendor 1	TX1+2	97.00	1.03	18.00	17.86	1.03	0	<0.001	0.00
	WLAN5.6G	802.11ac VHT80	Left Side	0	138	Vendor 1	TX1+2	97.00	1.03	18.00	17.86	1.03	-0.18	0.167	0.18
	WLAN5.6G	802.11ac VHT80	Right Side	0	138	Vendor 1	TX1+2	97.00	1.03	18.00	17.86	1.03	0.17	0.099	0.11
4	WLAN5.6G	802.11ac VHT80	Top Side	0	138	Vendor 1	TX1+2	97.00	1.03	18.00	17.86	1.03	-0.13	0.402	0.43
	WLAN5.6G	802.11ac VHT80	Bottom Side	0	138	Vendor 1	TX1+2	97.00	1.03	18.00	17.86	1.03	0	<0.001	0.00
	WLAN5.6G	802.11ac VHT80	Top Side	0	106	Vendor 1	TX1+2	97.00	1.03	17.00	16.71	1.07	-0.14	0.366	0.40
	WLAN5.6G	802.11ac VHT80	Top Side	0	122	Vendor 1	TX1+2	97.00	1.03	17.50	17.41	1.02	-0.02	0.373	0.39
	WLAN5.6G	802.11ac VHT80	Top Side	0	138	Vendor 2	TX1+2	97.00	1.03	18.00	17.86	1.03	0.13	0.391	0.41
		-						-	1.00	-	-	1		-	-

Body SAR Test Result

System & Position						DUT Configuration		SAR							
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	Sample	Ant Status	Duty Cycle	Crest Factor	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Scaling Factor	Power Drift (dB)	Measured SAR-1g (W/kg)	Scaled SAR-1g (W/kg)
	WLAN5.8G	802.11ac VHT80	Bottom of Laptop	0	155	Vendor 1	TX1+2	97.00	1.03	18.00	17.90	1.02	0	<0.001	0.00
	WLAN5.8G	802.11ac VHT80	Rear Face	0	155	Vendor 1	TX1+2	97.00	1.03	18.00	17.90	1.02	0	<0.001	0.00
	WLAN5.8G	802.11ac VHT80	Left Side	0	155	Vendor 1	TX1+2	97.00	1.03	18.00	17.90	1.02	-0.12	0.166	0.17
	WLAN5.8G	802.11ac VHT80	Right Side	0	155	Vendor 1	TX1+2	97.00	1.03	18.00	17.90	1.02	0.11	0.117	0.12
5	WLAN5.8G	802.11ac VHT80	Top Side	0	155	Vendor 1	TX1+2	97.00	1.03	18.00	17.90	1.02	-0.16	0.503	0.53
	WLAN5.8G	802.11ac VHT80	Bottom Side	0	155	Vendor 1	TX1+2	97.00	1.03	18.00	17.90	1.02	0.07	<0.001	0.00
	WLAN5.8G	802.11ac VHT80	Top Side	0	155	Vendor 2	TX1+2	97.00	1.03	18.00	17.90	1.02	0.01	0.485	0.51
		-						-	1.00	-	-	1		-	-
	WLAN5.9G	802.11ac VHT80	Bottom of Laptop	0	171	Vendor 1	TX1+2	97.00	1.03	18.00	17.86	1.03	0	<0.001	0.00
	WLAN5.9G	802.11ac VHT80	Rear Face	0	171	Vendor 1	TX1+2	97.00	1.03	18.00	17.86	1.03	-0.12	0.103	0.11
	WLAN5.9G	802.11ac VHT80	Left Side	0	171	Vendor 1	TX1+2	97.00	1.03	18.00	17.86	1.03	0.03	0.161	0.17
	WLAN5.9G	802.11ac VHT80	Right Side	0	171	Vendor 1	TX1+2	97.00	1.03	18.00	17.86	1.03	-0.09	0.053	0.06
6	WLAN5.9G	802.11ac VHT80	Top Side	0	171	Vendor 1	TX1+2	97.00	1.03	18.00	17.86	1.03	-0.14	0.496	0.53
	WLAN5.9G	802.11ac VHT80	Bottom Side	0	171	Vendor 1	TX1+2	97.00	1.03	18.00	17.86	1.03	0	<0.001	0.00
	WLAN5.9G	802.11ac VHT80	Top Side	0	171	Vendor 2	TX1+2	97.00	1.03	18.00	17.86	1.03	0.04	0.476	0.50
		-						-	1.00	-	-	1		-	-
	BT	BDR	Bottom of Laptop	0	78	Vendor 1	TX1	100.00	1.00	6.00	5.99	1.00	0	<0.001	0.00
	BT	BDR	Rear Face	0	78	Vendor 1	TX1	100.00	1.00	6.00	5.99	1.00	0	<0.001	0.00
	BT	BDR	Left Side	0	78	Vendor 1	TX1	100.00	1.00	6.00	5.99	1.00	0	<0.001	0.00
	BT	BDR	Right Side	0	78	Vendor 1	TX1	100.00	1.00	6.00	5.99	1.00	0	<0.001	0.00
7	BT	BDR	Top Side	0	78	Vendor 1	TX1	100.00	1.00	6.00	5.99	1.00	-0.08	0.036	0.04
	BT	BDR	Bottom Side	0	78	Vendor 1	TX1	100.00	1.00	6.00	5.99	1.00	0	<0.001	0.00
	BT	BDR	Top Side	0	0	Vendor 1	TX1	100.00	1.00	6.00	5.86	1.03	-0.18	0.027	0.03
	BT	BDR	Top Side	0	39	Vendor 1	TX1	100.00	1.00	6.00	5.65	1.08	-0.15	0.024	0.03
	BT	BDR	Top Side	0	78	Vendor 2	TX1	100.00	1.00	6.00	5.99	1.00	0.12	0.029	0.03
		-						-	1.00	-	-	1		-	-

SAR and Power Density Test Result

System & Position						DUT Configuration		SAR										Power Density								
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	Sample	Ant Status	Duty Cycle	Crest Factor	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Scaling Factor	Power Drift (dB)	Measured SAR-1g (W/kg)	Scaled SAR-1g (W/kg)	Measured APD W/m^2 (4cm^2)	Scaled APD W/m^2 (4cm^2)	Grid Step [λ]	iPD [W/m2]	Scaling Factor for Measurement Uncertainty	Averaging Area [cm2]	Power Drift [dB]	Normal psPD [W/m2]	Scaled Normal psPD [W/m2]	Total psPD [W/m2]	Scaled Total psPD [W/m2]
	UNII-7	802.11ax HE160	Bottom of Laptop	0	175	Vendor 1	TX1	95.40	1.05	15.00	14.94	1.01	0	<0.001	0.00	0	0									
	UNII-7	802.11ax HE160	Bottom of Laptop	0	175	Vendor 1	TX2	94.80	1.05	15.00	14.96	1.01	0	<0.001	0.00	0	0									
	UNII-5	802.11ax HE160	Bottom of Laptop	0	15	Vendor 1	TX1+2	94.80	1.05	12.50	12.36	1.03	0	<0.001	0.00	0	0									
	UNII-7	802.11ax HE160	Rear Face	0	175	Vendor 1	TX1	95.40	1.05	15.00	14.94	1.01	0	<0.001	0.00	0	0									
	UNII-7	802.11ax HE160	Left Side	0	175	Vendor 1	TX1	95.40	1.05	15.00	14.94	1.01	0	<0.001	0.00	0	0									
	UNII-7	802.11ax HE160	Right Side	0	175	Vendor 1	TX1	95.40	1.05	15.00	14.94	1.01	-0.19	0.048	0.05	0.383	0.41									
	UNII-7	802.11ax HE160	Top Side	0	175	Vendor 1	TX1	95.40	1.05	15.00	14.94	1.01	-0.13	0.314	0.33	2.47	2.62	0.0569	16.25	1.545	4.00	-0.08	1.21	1.96	2.63	4.31
	UNII-7	802.11ax HE160	Bottom Side	0	175	Vendor 1	TX1	95.40	1.05	15.00	14.94	1.01	0	<0.001	0.00	0	0									
	UNII-7	802.11ax HE160	Rear Face	0	175	Vendor 1	TX2	94.80	1.05	15.00	14.96	1.01	0	<0.001	0.00	0	0									
	UNII-7	802.11ax HE160	Left Side	0	175	Vendor 1	TX2	94.80	1.05	15.00	14.96	1.01	0.03	0.107	0.11	0.844	0.9									
	UNII-7	802.11ax HE160	Right Side	0	175	Vendor 1	TX2	94.80	1.05	15.00	14.96	1.01	0	<0.001	0.00	0	0									
	UNII-7	802.11ax HE160	Top Side	0	175	Vendor 1	TX2	94.80	1.05	15.00	14.96	1.01	-0.08	0.292	0.31	2.3	2.44									
	UNII-7	802.11ax HE160	Bottom Side	0	175	Vendor 1	TX2	94.80	1.05	15.00	14.96	1.01	0	<0.001	0.00	0	0									
	UNII-5	802.11ax HE160	Rear Face	0	15	Vendor 1	TX1+2	94.80	1.05	12.50	12.36	1.03	0	<0.001	0.00	0	0									
	UNII-5	802.11ax HE160	Left Side	0	15	Vendor 1	TX1+2	94.80	1.05	12.50	12.36	1.03	0	<0.001	0.00	0	0									
	UNII-5	802.11ax HE160	Right Side	0	15	Vendor 1	TX1+2	94.80	1.05	12.50	12.36	1.03	0	<0.001	0.00	0	0									
	UNII-5	802.11ax HE160	Top Side	0	15	Vendor 1	TX1+2	94.80	1.05	12.50	12.36	1.03	0.09	0.087	0.09	0.691	0.75									
	UNII-5	802.11ax HE160	Bottom Side	0	15	Vendor 1	TX1+2	94.80	1.05	12.50	12.36	1.03	0	<0.001	0.00	0	0									
	UNII-7	802.11ax HE160	Top Side	0	143	Vendor 1	TX1	95.40	1.05	15.00	14.91	1.02	-0.07	0.334	0.36	2.63	2.82	0.0555	17.31	1.545	4.00	0.12	1.28	2.08	2.77	4.58
8	UNII-5	802.11ax HE160	Top Side	0	15	Vendor 1	TX1	95.40	1.05	14.50	14.45	1.01	0.12	0.345	0.37	2.76	2.93	0.0502	17.90	1.545	4.00	-0.07	1.34	2.17	2.89	4.74
	UNII-5	802.11ax HE160	Top Side	0	47	Vendor 1	TX1	95.40	1.05	14.50	14.42	1.02	0.09	0.279	0.30	2.23	2.39									
	UNII-5	802.11ax HE160	Top Side	0	79	Vendor 1	TX1	95.40	1.05	14.50	14.41	1.02	-0.08	0.337	0.36	2.69	2.88	0.0529	17.48	1.545	4.00	-0.01	1.32	2.14	2.81	4.65
	UNII-6	802.11ax HE160	Top Side	0	111	Vendor 1	TX1	95.40	1.05	15.00	14.88	1.03	0.06	0.316	0.34	2.45	2.65	0.0542	16.32	1.545	4.00	0.15	1.19	1.93	2.65	4.43
	UNII-8	802.11ax HE80	Top Side	0	199	Vendor 1	TX1	95.40	1.05	13.00	12.89	1.03	-0.02	0.12	0.13	0.971	1.05									
	UNII-8	802.11ax HE80	Top Side	0	215	Vendor 1	TX1	95.40	1.05	12.50	12.31	1.04	0.13	0.096	0.10	0.797	0.87									
	UNII-5	802.11ax HE160	Top Side	0	15	Vendor 2	TX1	95.40	1.05	14.50	14.45	1.01	-0.01	0.201	0.21	2.01	2.13									