Appendix A. Plots of System Verification

The plots for system verification are shown as follows.

Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/12/28

S01 System Check_H2450_221228

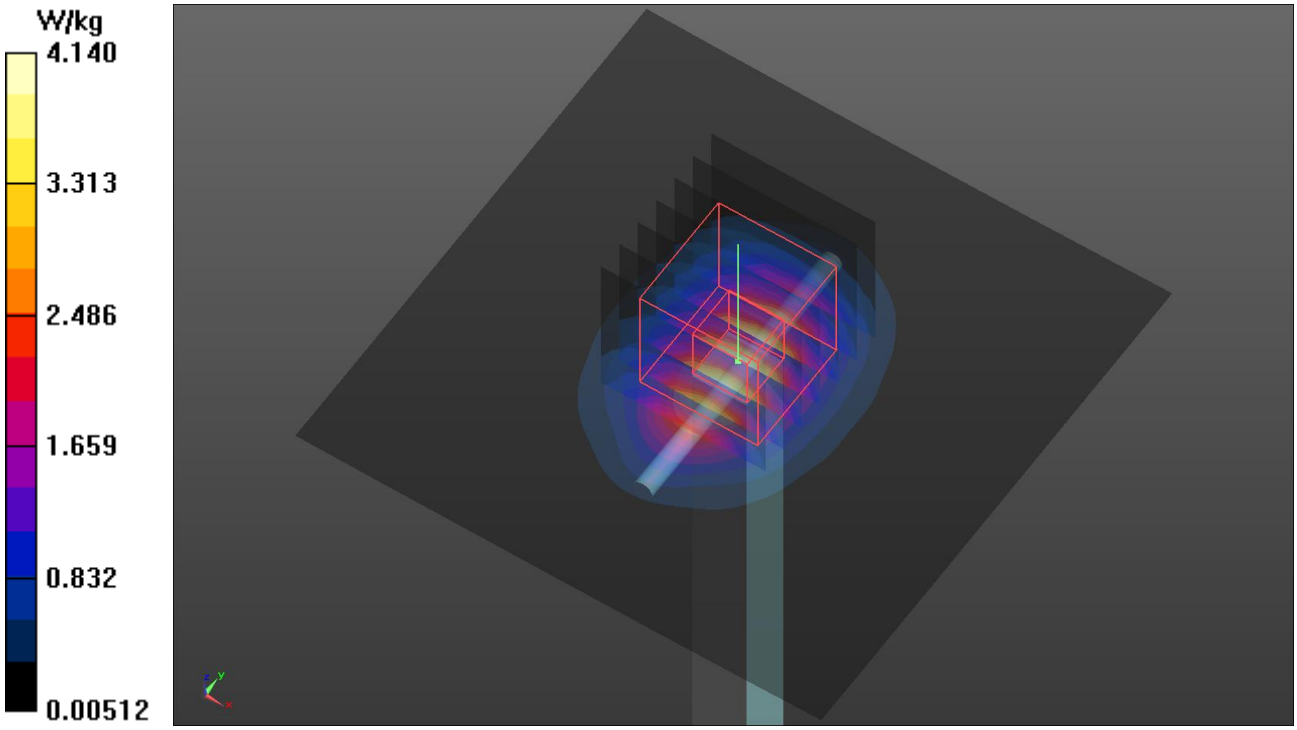
DUT: Dipole 2450 MHz; Type: D2450V2; SN: 737

Communication System: UID 0, CW; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium: H06T27N3_1228 Medium parameters used: f = 2450 MHz; σ = 1.788 S/m; ε_r = 38.896; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃ ；Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7537; ConvF(7.61, 7.61, 7.61) @ 2450 MHz; Calibrated: 2022/04/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2022/04/21
- Phantom: ELI Phantom_1245; Type: QDOVA002AA;
- 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) = 4.14 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 50.36 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 5.06 W/kg
SAR(1 g) = 2.5 W/kg; SAR(10 g) = 1.17 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 4.14 W/kg



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/12/28

S02 System Check_H5250_221228

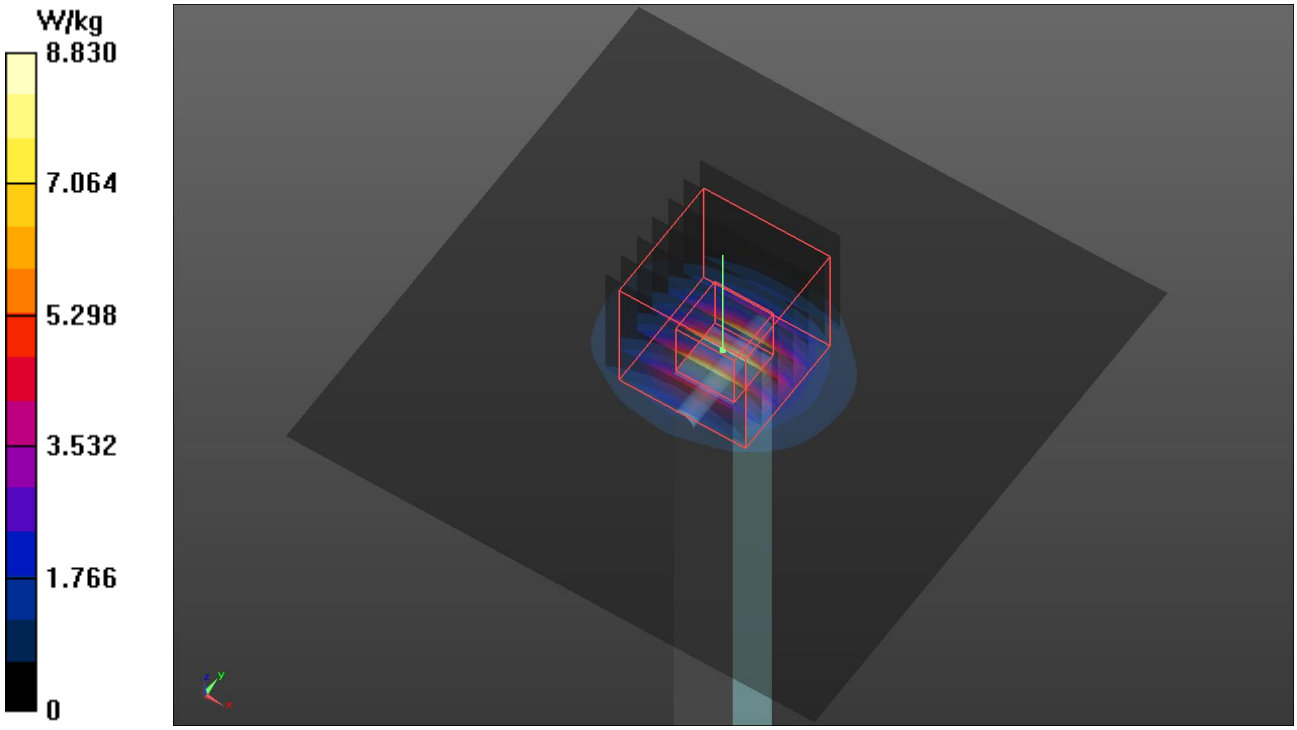
DUT: Dipole 5 GHz; Type: D5GHzV2; SN: 1019

Communication System: UID 0, CW; Frequency: 5250 MHz;Duty Cycle: 1:1
Medium: H51T72N3_1228 Medium parameters used: f = 5250 MHz; σ = 4.556 S/m; ε_r = 37.51; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃ ; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7537; ConvF(5.54, 5.54, 5.54) @ 5250 MHz; Calibrated: 2022/04/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2022/04/21
- Phantom: ELI Phantom_1245; Type: QDOVA002AA;
- 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) = 8.83 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 49.69 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 15.0 W/kg
SAR(1 g) = 3.86 W/kg; SAR(10 g) = 1.12 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 9.53 W/kg



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/12/28

S03 System Check_H5600_221228

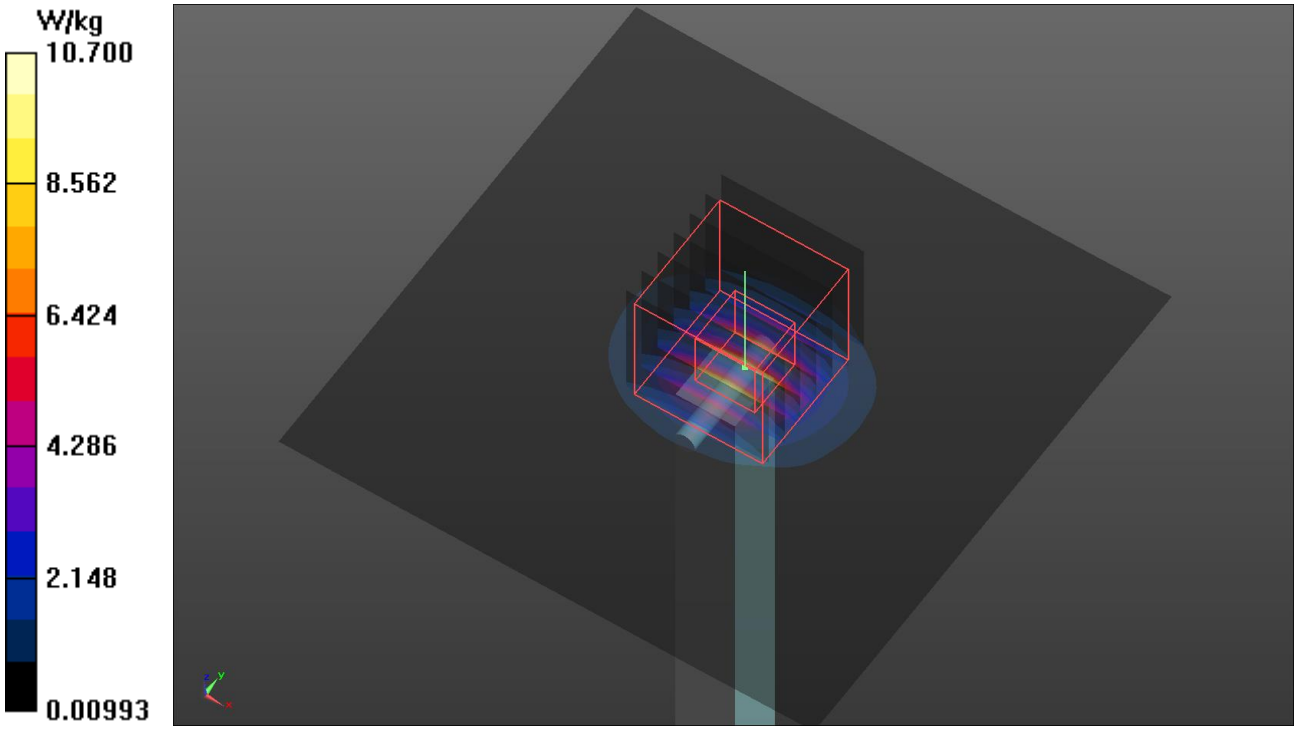
DUT: Dipole 5 GHz; Type: D5GHzV2; SN: 1019

Communication System: UID 0, CW; Frequency: 5600 MHz;Duty Cycle: 1:1
Medium: H51T72N3_1228 Medium parameters used: f = 5600 MHz; σ = 4.946 S/m; ε_r = 36.92; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃ ; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7537; ConvF(4.8, 4.8, 4.8) @ 5600 MHz; Calibrated: 2022/04/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2022/04/21
- Phantom: ELI Phantom_1245; Type: QDOVA002AA;
- 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) = 10.7 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 50.99 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 18.2 W/kg
SAR(1 g) = 4.37 W/kg; SAR(10 g) = 1.26 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 11.2 W/kg



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/12/28

S04 System Check_H5750_221228

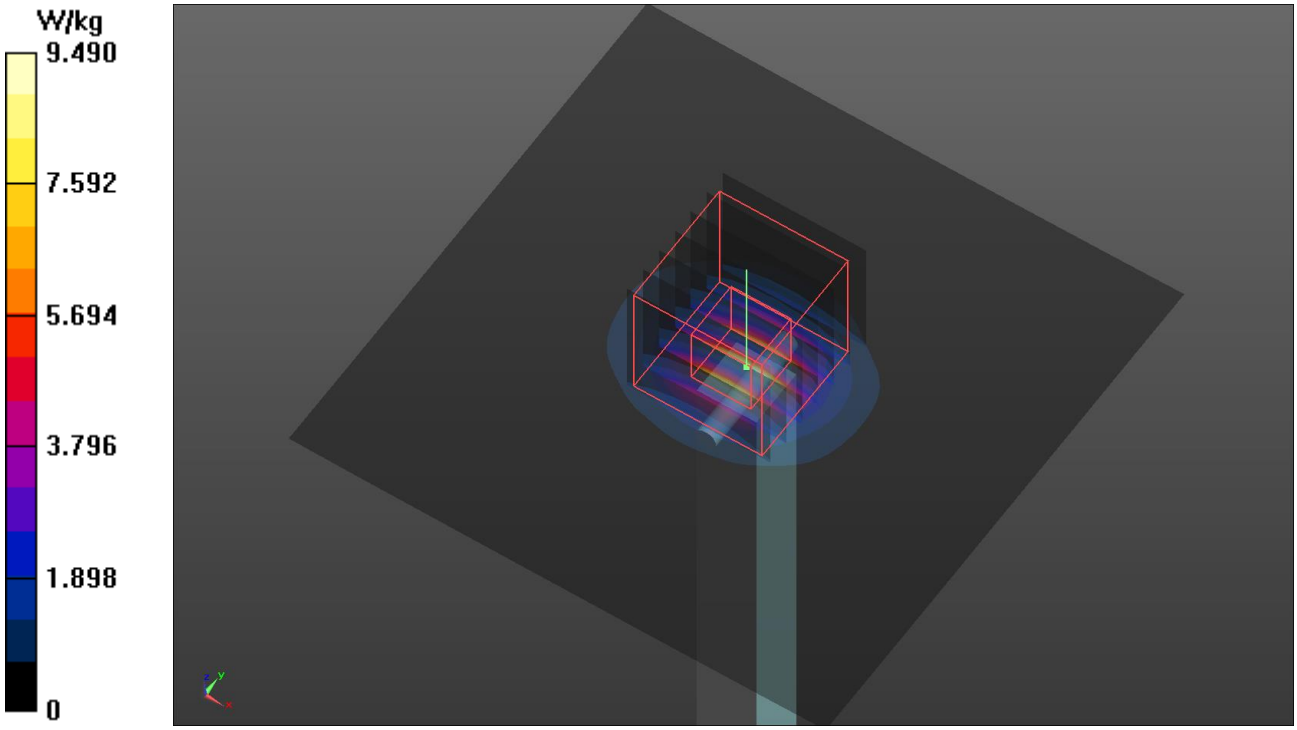
DUT: Dipole 5 GHz; Type: D5GHzV2; SN: 1019

Communication System: UID 0, CW; Frequency: 5750 MHz;Duty Cycle: 1:1
Medium: H51T72N3_1228 Medium parameters used: f = 5750 MHz; σ = 5.12 S/m; ε_r = 36.673; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃ ; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7537; ConvF(4.97, 4.97, 4.97) @ 5750 MHz; Calibrated: 2022/04/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2022/04/21
- Phantom: ELI Phantom_1245; Type: QDOVA002AA;
- 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) = 9.49 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 48.76 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 17.5 W/kg
SAR(1 g) = 3.89 W/kg; SAR(10 g) = 1.12 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 10.1 W/kg



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/12/29

S05a System Check_H5750_221229

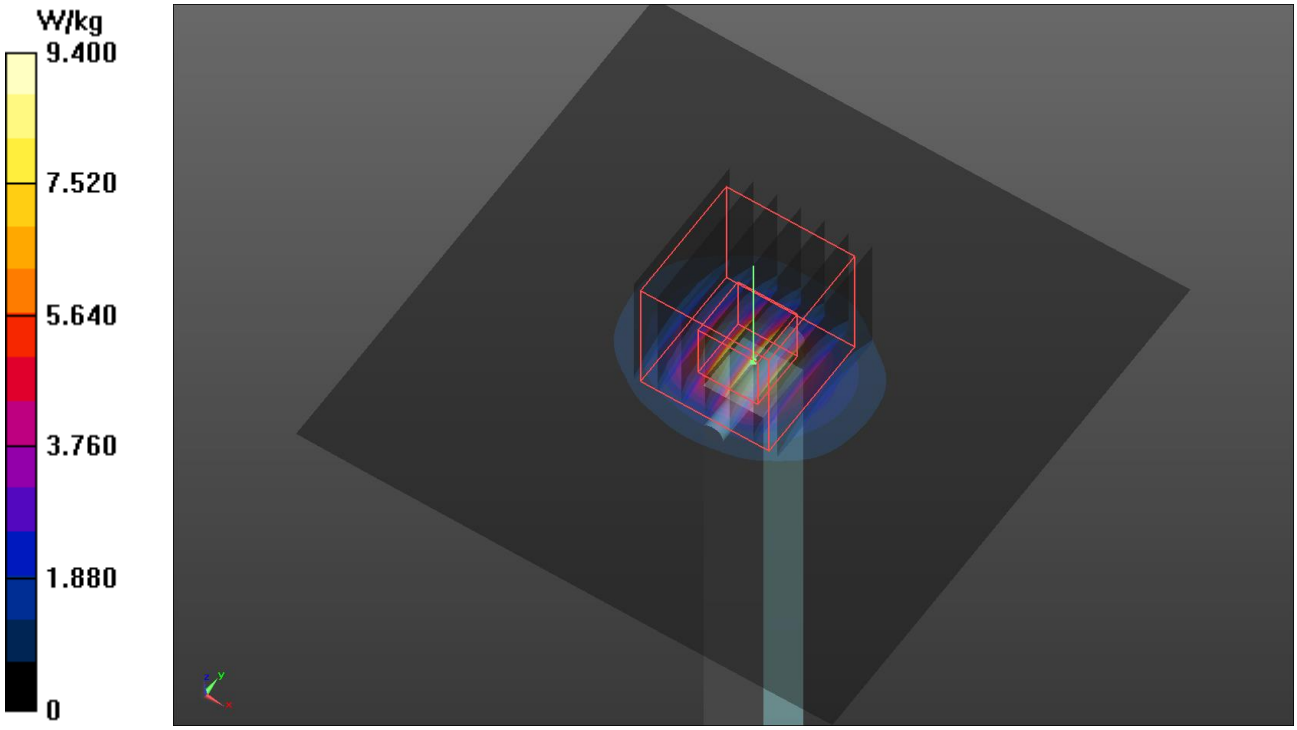
DUT: Dipole 5 GHz; Type: D5GHzV2; SN: 1019

Communication System: UID 0, CW; Frequency: 5750 MHz;Duty Cycle: 1:1
Medium: H51T72N3_1229 Medium parameters used: f = 5750 MHz; σ = 5.072 S/m; ε_r = 35.824; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃ ; Liquid Temperature：21.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7537; ConvF(4.97, 4.97, 4.97) @ 5750 MHz; Calibrated: 2022/04/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2022/04/21
- Phantom: ELI Phantom_1245; Type: QDOVA002AA;
- 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) = 9.40 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 48.76 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 17.4 W/kg
SAR(1 g) = 3.83 W/kg; SAR(10 g) = 1.1 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 10.0 W/kg



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Measurement Report
S05b System Check_H6.5GHz_221229
Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	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	,		,	6500.0, 0	5.45	5.96	34.6

Hardware Setup

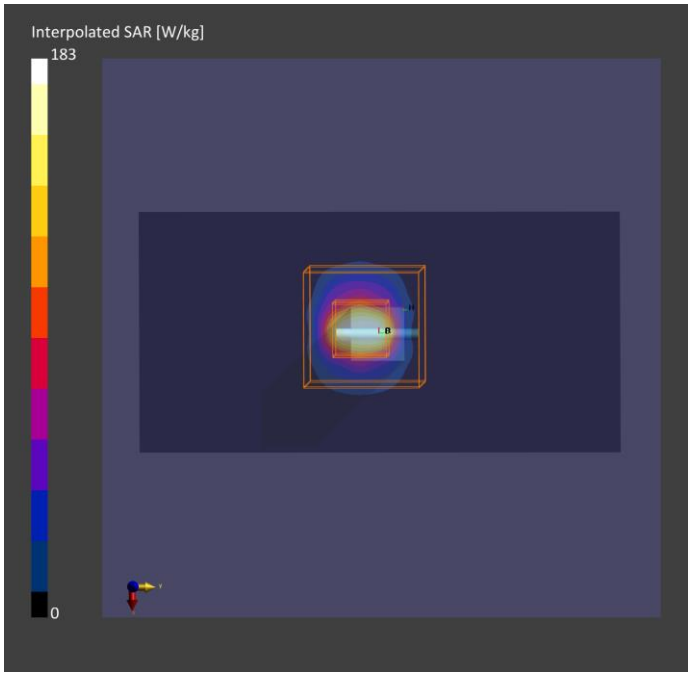
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) - 1245	H51T72N3, 2022-Dec-29	EX3DV4 - SN7537, 2022-04-27	DAE4 Sn1585, 2022-04-21

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	2022-12-29	2022-12-29
psSAR1g [W/kg]	23.1	29.1
psSAR10g [W/kg]	4.92	5.41
psAPD (1.0cm2, sq) [W/m2]		296
psAPD (4.0cm2, sq) [W/m2]		133
Power Drift [dB]	0.08	0.11



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/12/29

S06 System Check_H2450_221229

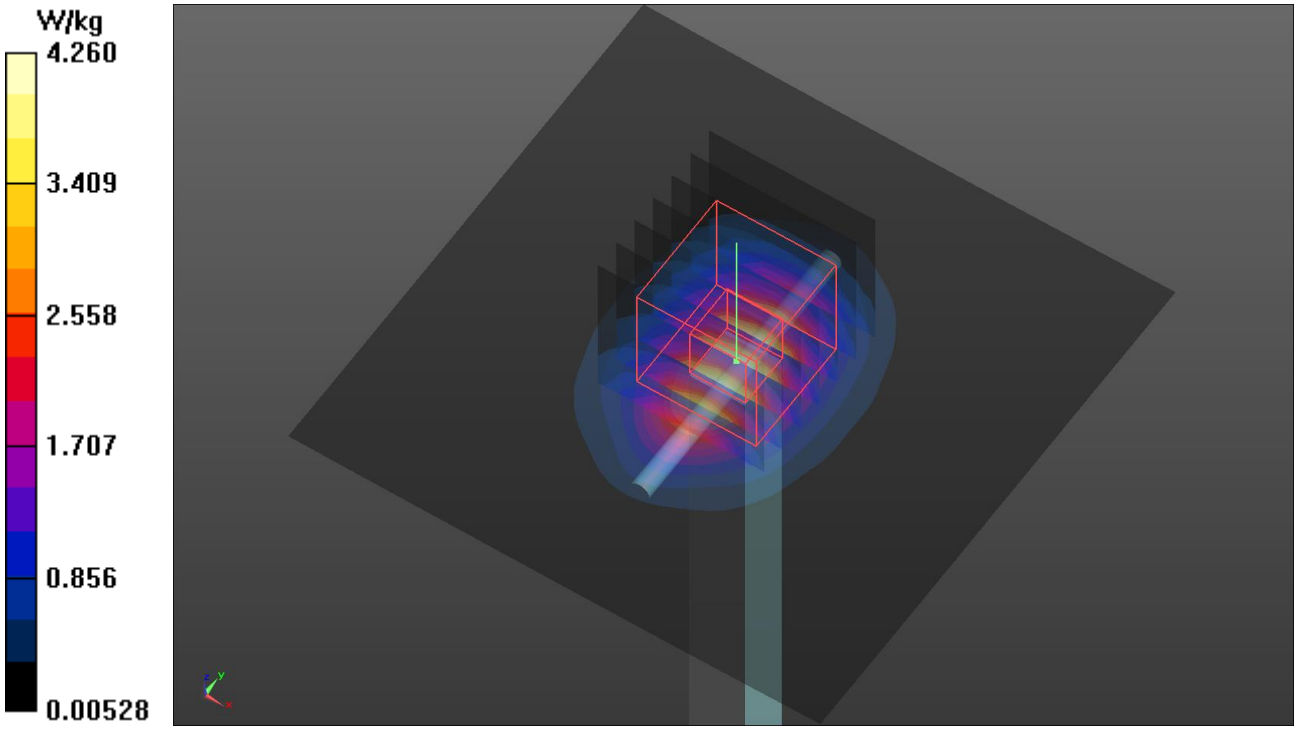
DUT: Dipole 2450 MHz; Type: D2450V2; SN: 737

Communication System: UID 0, CW; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium: H06T27N3_1229 Medium parameters used: f = 2450 MHz; σ = 1.842 S/m; ε_r = 40.331; ρ = 1000 kg/m^3
Ambient Temperature：22.6 ℃ ; Liquid Temperature：20.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7537; ConvF(7.61, 7.61, 7.61) @ 2450 MHz; Calibrated: 2022/04/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2022/04/21
- Phantom: ELI Phantom_1245; Type: QDOVA002AA;
- 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) = 4.26 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 50.36 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 5.22 W/kg
SAR(1 g) = 2.56 W/kg; SAR(10 g) = 1.21 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 4.26 W/kg



Plots of System Verification

Measurement Report
S13 System Check_H6.5GHz_221230
Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	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	,		,	6500.0, 0	5.45	6.01	35.5

Hardware Setup

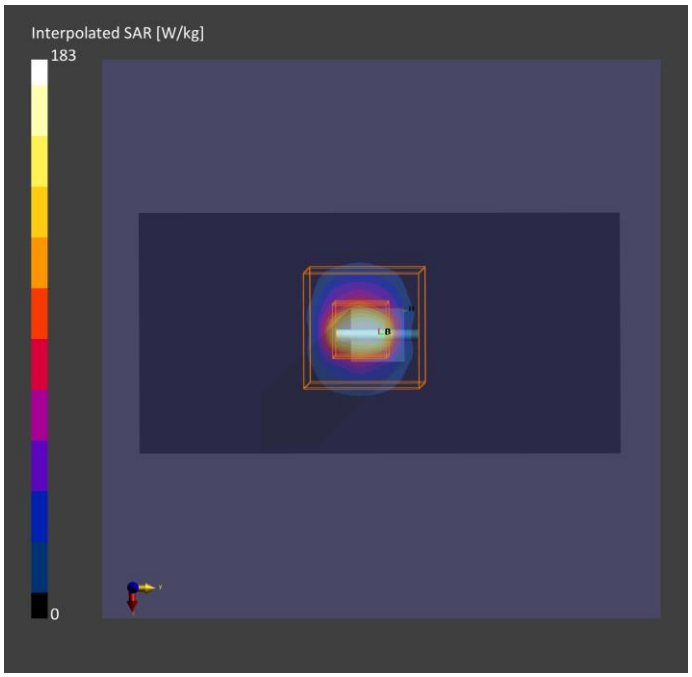
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) - 1245	H51T72N3, 2022-Dec-30	EX3DV4 - SN7537, 2022-04-27	DAE4 Sn1585, 2022-04-21

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	2022-12-30	2022-12-30
psSAR1g [W/kg]	23.3	29.2
psSAR10g [W/kg]	4.94	5.42
psAPD (1.0cm2, sq) [W/m2]		296
psAPD (4.0cm2, sq) [W/m2]		135
Power Drift [dB]	0.15	0.01



Plots of System Verification

Measurement Report
S13 PD_System Check_10 GHz_2023.01.09
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: 1025	

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	FRONT, 10.00	Validation band	CW, -0-	10000.0, 10000	1.0

Hardware Setup

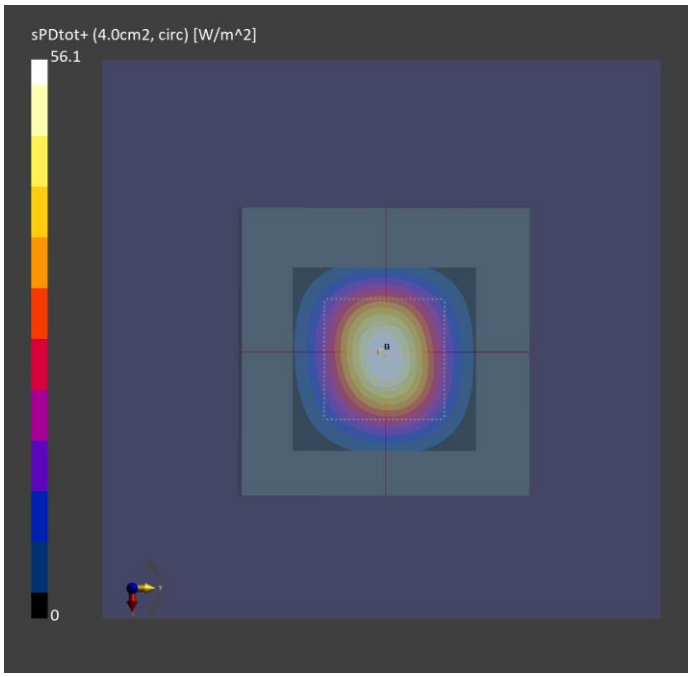
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 1029	--Air--	EUmmWV4 - SN9438_F1-55GHz, 2022-07-18	DAE4 Sn1341, 2022-07-19

Scan Setup

	5G Scan
Grid Extents [mm]	60.0 x 60.0
Grid Steps [lambda]	0.125 x 0.125
Sensor Surface [mm]	10.0

Measurement Results

	5G Scan
Date	2023-01-09
Avg. Area [cm^2]	4.00
psPDn+ [W/m^2]	55.9
psPDtot+ [W/m^2]	56.1
psPDmod+ [W/m^2]	56.4
E_{max} [V/m]	151
Power Drift [dB]	-0.01



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/12/28

S07 System Check_H2450_221228

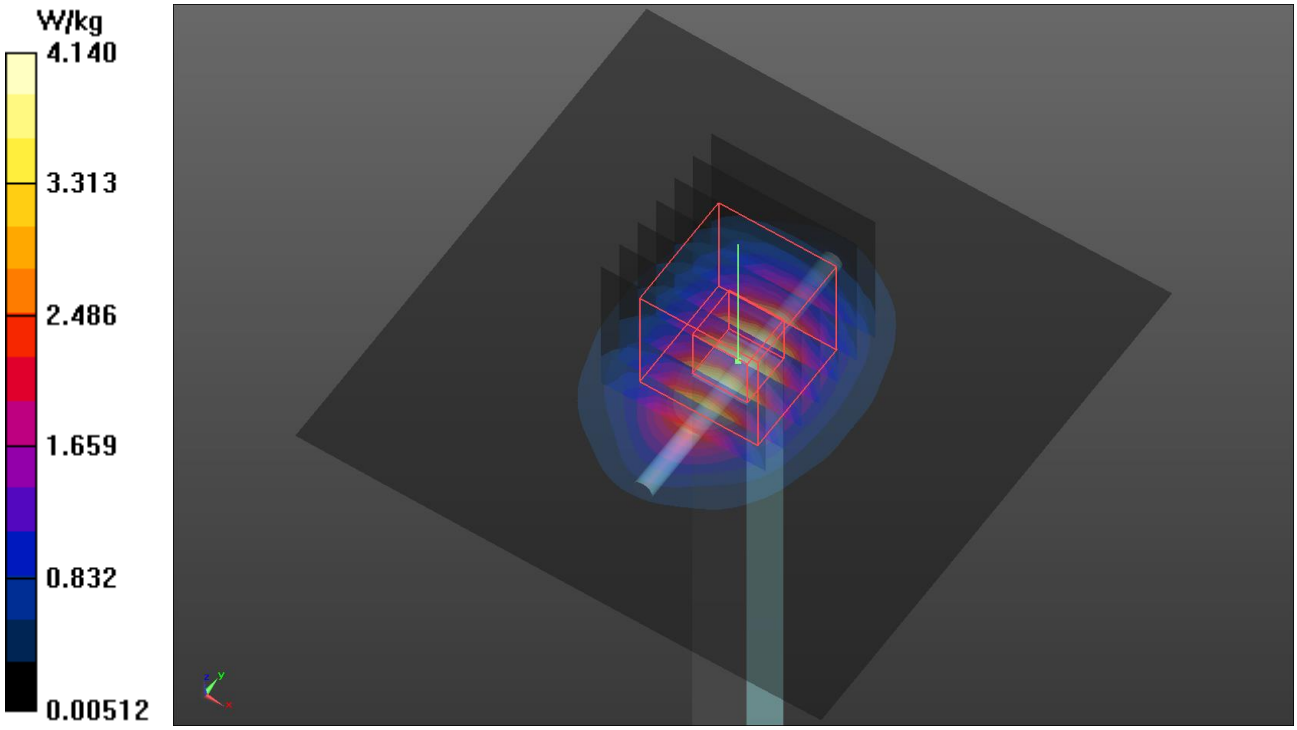
DUT: Dipole 2450 MHz; Type: D2450V2; SN: 737

Communication System: UID 0, CW; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium: H06T27N3_1228 Medium parameters used: f = 2450 MHz; σ = 1.788 S/m; ε_r = 38.896; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃ ; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7537; ConvF(7.61, 7.61, 7.61) @ 2450 MHz; Calibrated: 2022/04/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2022/04/21
- Phantom: ELI Phantom_1245; Type: QDOVA002AA;
- 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) = 4.14 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 50.36 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 5.06 W/kg
SAR(1 g) = 2.5 W/kg; SAR(10 g) = 1.17 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 4.14 W/kg



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/12/28

S08 System Check_H5250_221228

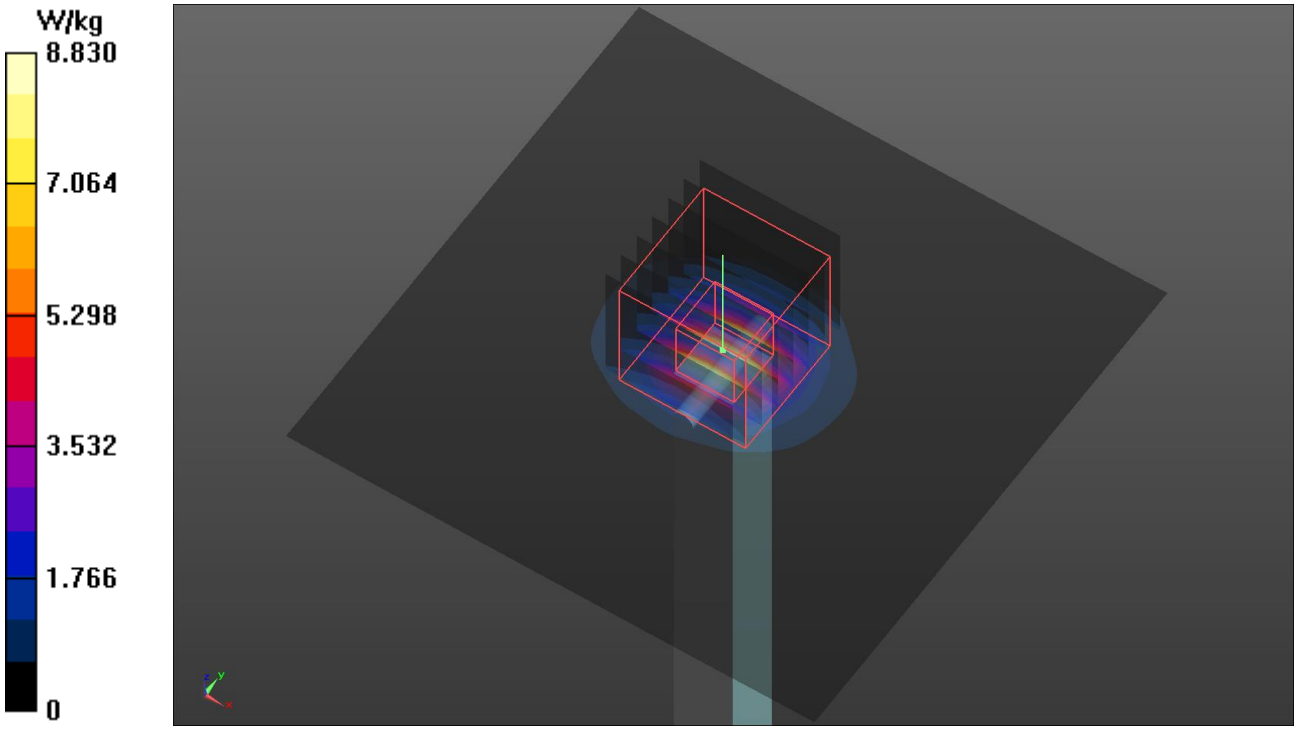
DUT: Dipole 5 GHz; Type: D5GHzV2; SN: 1019

Communication System: UID 0, CW; Frequency: 5250 MHz;Duty Cycle: 1:1
Medium: H51T72N3_1228 Medium parameters used: f = 5250 MHz; σ = 4.556 S/m; ε_r = 37.51; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃ ；Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7537; ConvF(5.54, 5.54, 5.54) @ 5250 MHz; Calibrated: 2022/04/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2022/04/21
- Phantom: ELI Phantom_1245; Type: QDOVA002AA;
- 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) = 8.83 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 49.69 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 15.0 W/kg
SAR(1 g) = 3.86 W/kg; SAR(10 g) = 1.12 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 9.53 W/kg



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/12/28

S09 System Check_H5600_221228

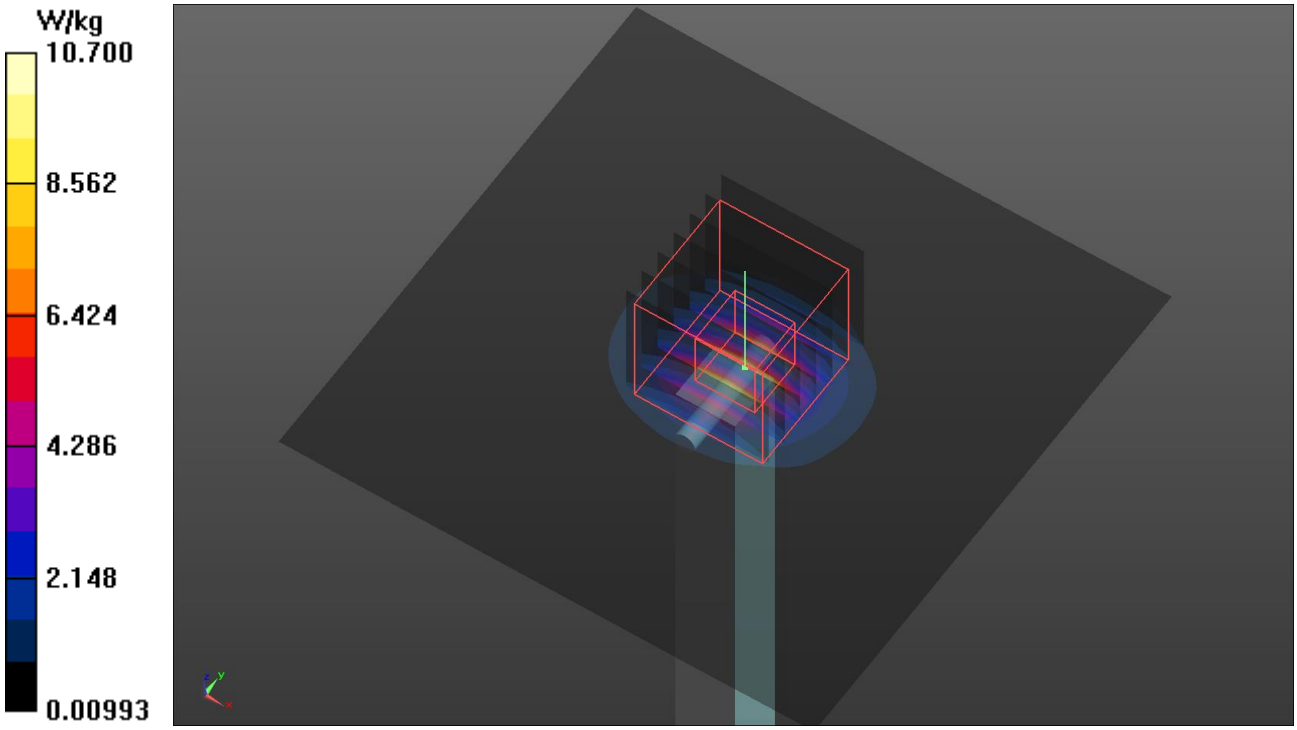
DUT: Dipole 5 GHz; Type: D5GHzV2; SN: 1019

Communication System: UID 0, CW; Frequency: 5600 MHz;Duty Cycle: 1:1
Medium: H51T72N3_1228 Medium parameters used: f = 5600 MHz; σ = 4.946 S/m; ε_r = 36.92; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃ ; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7537; ConvF(4.8, 4.8, 4.8) @ 5600 MHz; Calibrated: 2022/04/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2022/04/21
- Phantom: ELI Phantom_1245; Type: QDOVA002AA;
- 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) = 10.7 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 50.99 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 18.2 W/kg
SAR(1 g) = 4.37 W/kg; SAR(10 g) = 1.26 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 11.2 W/kg



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/12/28

S10 System Check_H5750_221228

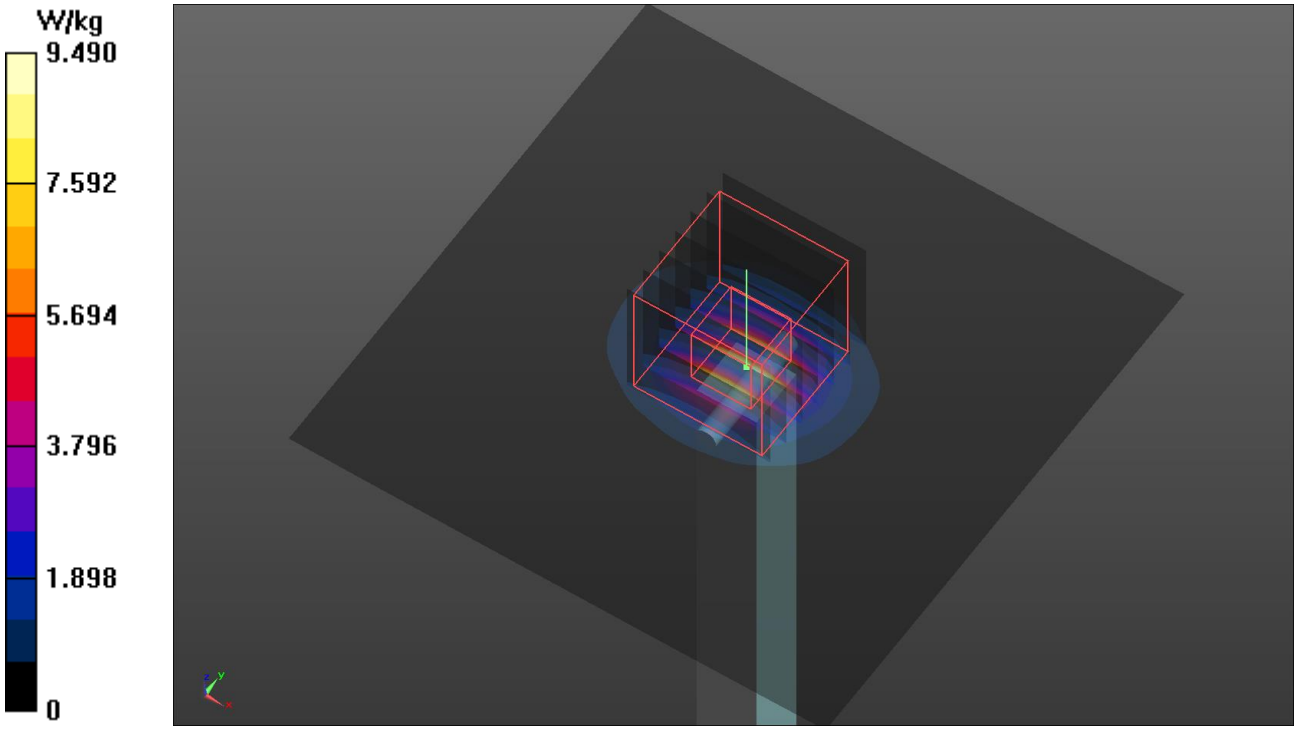
DUT: Dipole 5 GHz; Type: D5GHzV2; SN: 1019

Communication System: UID 0, CW; Frequency: 5750 MHz;Duty Cycle: 1:1
Medium: H51T72N3_1228 Medium parameters used: f = 5750 MHz; σ = 5.12 S/m; ε_r = 36.673; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃ ; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7537; ConvF(4.97, 4.97, 4.97) @ 5750 MHz; Calibrated: 2022/04/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2022/04/21
- Phantom: ELI Phantom_1245; Type: QDOVA002AA;
- 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) = 9.49 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 48.76 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 17.5 W/kg
SAR(1 g) = 3.89 W/kg; SAR(10 g) = 1.12 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 10.1 W/kg



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/12/29

S11a System Check_H5750_221229

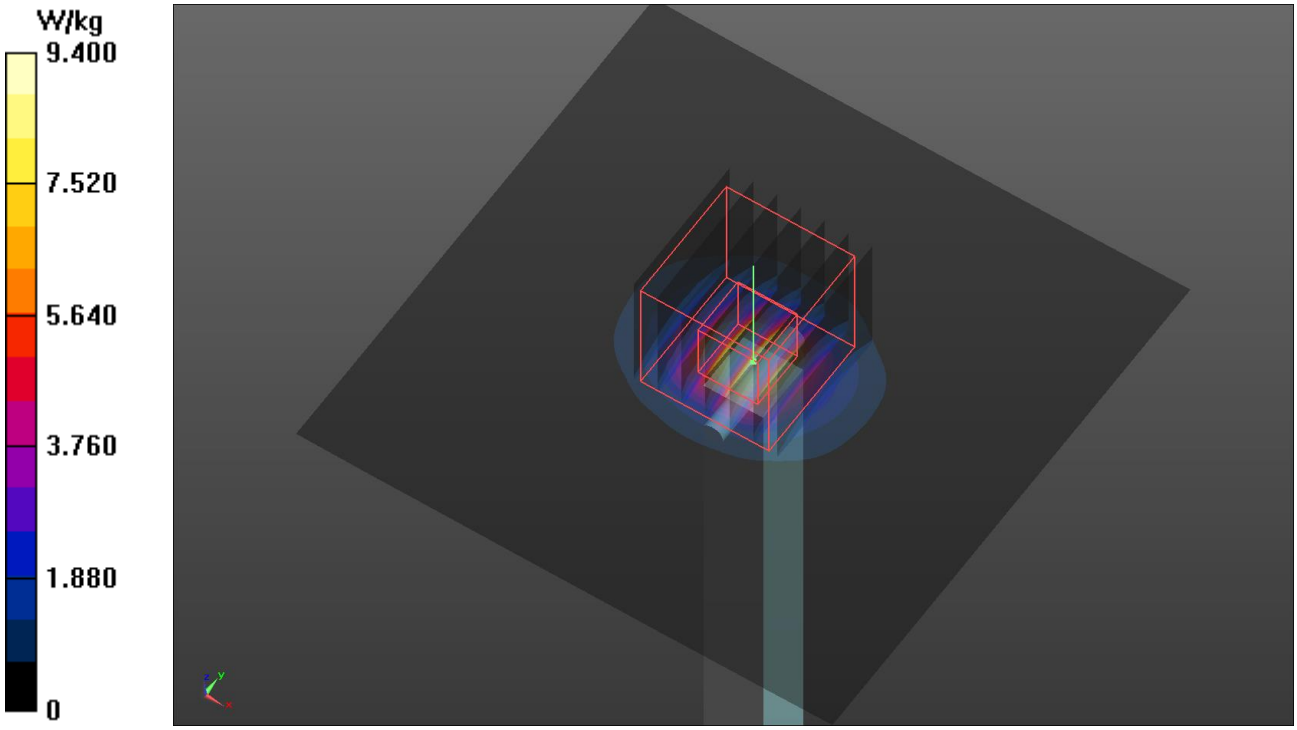
DUT: Dipole 5 GHz; Type: D5GHzV2; SN: 1019

Communication System: UID 0, CW; Frequency: 5750 MHz;Duty Cycle: 1:1
Medium: H51T72N3_1229 Medium parameters used: f = 5750 MHz; σ = 5.072 S/m; ε_r = 35.824; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃ ; Liquid Temperature：21.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7537; ConvF(4.97, 4.97, 4.97) @ 5750 MHz; Calibrated: 2022/04/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2022/04/21
- Phantom: ELI Phantom_1245; Type: QDOVA002AA;
- 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) = 9.40 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 48.76 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 17.4 W/kg
SAR(1 g) = 3.83 W/kg; SAR(10 g) = 1.1 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 10.0 W/kg



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Measurement Report
S11b System Check_H6.5GHz_221229
Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	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	,		,	6500.0, 0	5.45	5.96	34.6

Hardware Setup

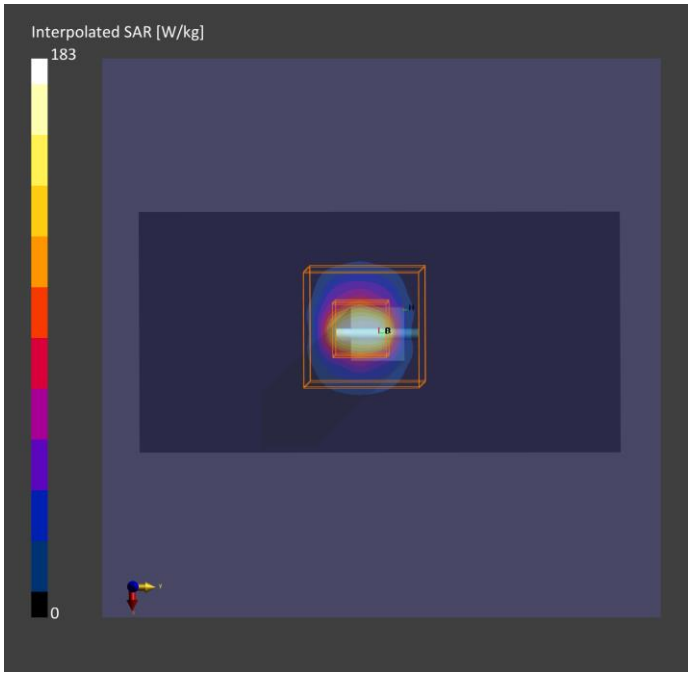
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) - 1245	H51T72N3, 2022-Dec-29	EX3DV4 - SN7537, 2022-04-27	DAE4 Sn1585, 2022-04-21

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	2022-12-29	2022-12-29
psSAR1g [W/kg]	23.1	29.1
psSAR10g [W/kg]	4.92	5.41
psAPD (1.0cm2, sq) [W/m2]		296
psAPD (4.0cm2, sq) [W/m2]		133
Power Drift [dB]	0.08	0.11



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/12/29

S12 System Check_H2450_221229

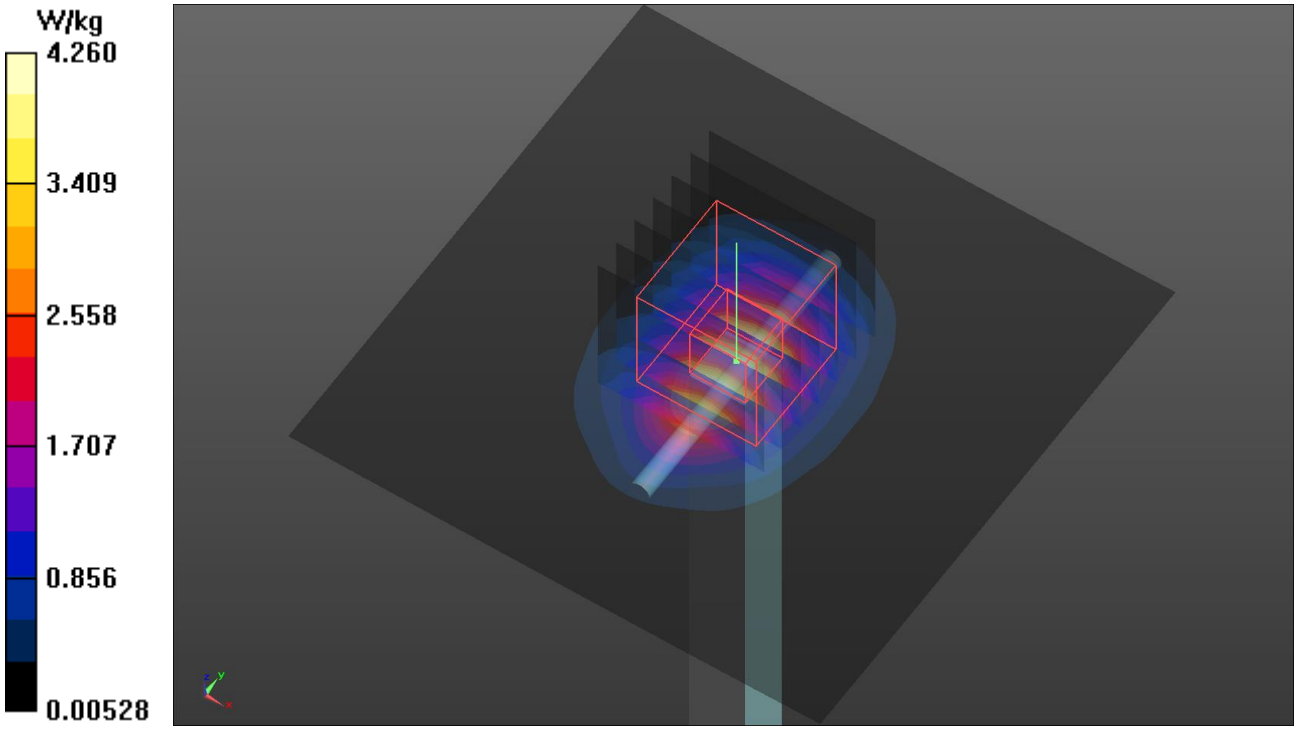
DUT: Dipole 2450 MHz; Type: D2450V2; SN: 737

Communication System: UID 0, CW; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium: H06T27N3_1229 Medium parameters used: f = 2450 MHz; σ = 1.842 S/m; ε_r = 40.331; ρ = 1000 kg/m^3
Ambient Temperature：22.6 ℃ ; Liquid Temperature：20.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7537; ConvF(7.61, 7.61, 7.61) @ 2450 MHz; Calibrated: 2022/04/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2022/04/21
- Phantom: ELI Phantom_1245; Type: QDOVA002AA;
- 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) = 4.26 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 50.36 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 5.22 W/kg
SAR(1 g) = 2.56 W/kg; SAR(10 g) = 1.21 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 4.26 W/kg



Plots of System Verification

Measurement Report
S14 System Check_H6.5GHz_221230
Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	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	,		,	6500.0, 0	5.45	6.01	35.5

Hardware Setup

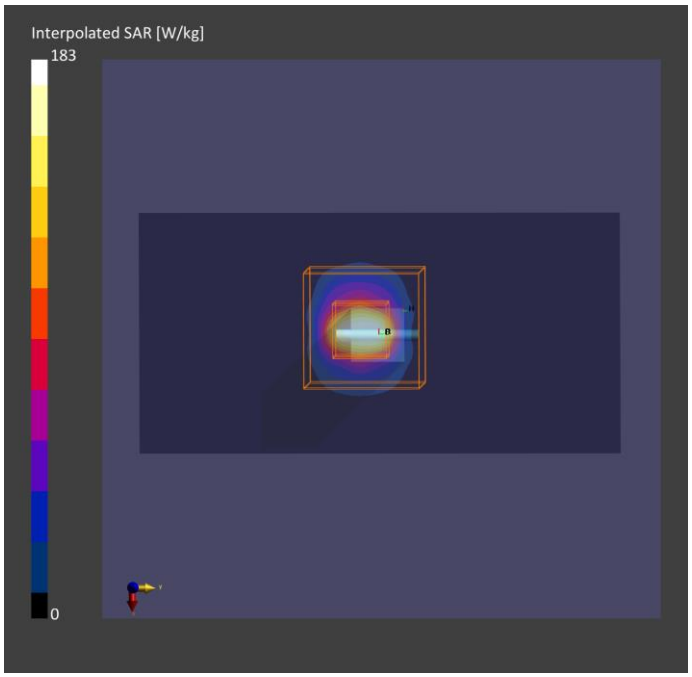
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) - 1245	H51T72N3, 2022-Dec-30	EX3DV4 - SN7537, 2022-04-27	DAE4 Sn1585, 2022-04-21

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	2022-12-30	2022-12-30
psSAR1g [W/kg]	23.3	29.2
psSAR10g [W/kg]	4.94	5.42
psAPD (1.0cm2, sq) [W/m2]		296
psAPD (4.0cm2, sq) [W/m2]		135
Power Drift [dB]	0.15	0.01



Plots of System Verification

Measurement Report
S14 PD_System Check_10 GHz_2023.01.09
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: 1025	

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	FRONT, 10.00	Validation band	CW, -0-	10000.0, 10000	1.0

Hardware Setup

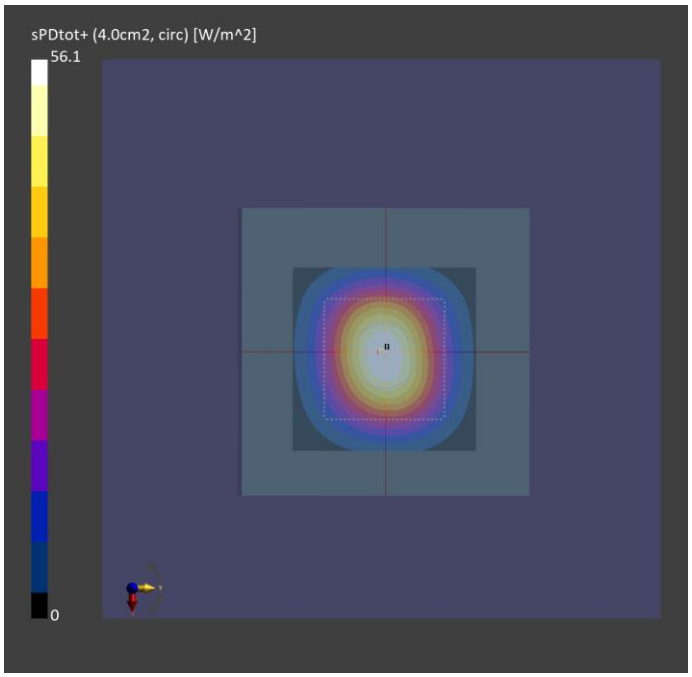
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 1029	--Air--	EUmmWV4 - SN9438_F1-55GHz, 2022-07-18	DAE4 Sn1341, 2022-07-19

Scan Setup

	5G Scan
Grid Extents [mm]	60.0 x 60.0
Grid Steps [lambda]	0.125 x 0.125
Sensor Surface [mm]	10.0

Measurement Results

	5G Scan
Date	2023-01-09
Avg. Area [cm^2]	4.00
psPDn+ [W/m^2]	55.9
psPDtot+ [W/m^2]	56.1
psPDmod+ [W/m^2]	56.4
E_{max} [V/m]	151
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.

Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/12/28

P01 WLAN2.4G_802.11b_Bottom Side_0mm_Ch11_Sample 1_Ant 0+1

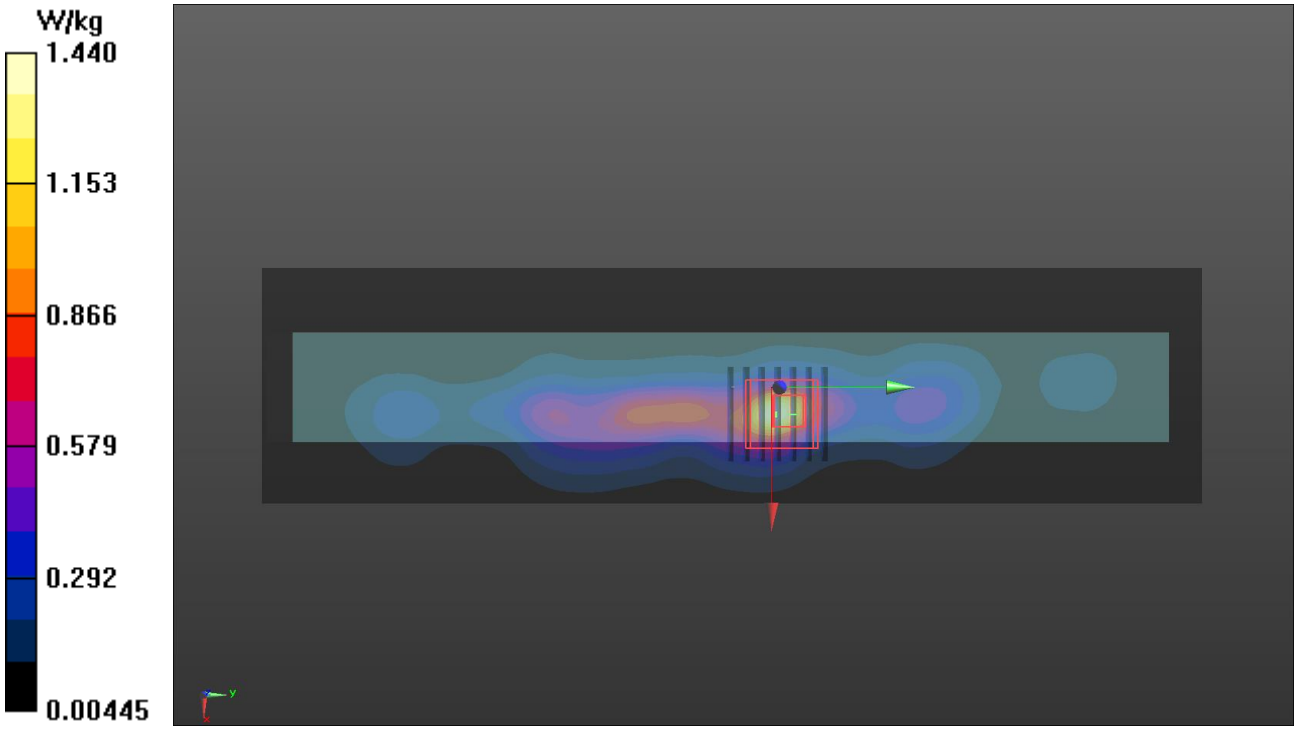
DUT: BFLF-WTW-P22120580

Communication System: UID 10012 - CAB, IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps); Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: H06T27N3_1228 Medium parameters used: f = 2462 MHz; σ = 1.797 S/m; ε_r = 38.877; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃ ; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7537; ConvF(7.61, 7.61, 7.61) @ 2462 MHz; Calibrated: 2022/04/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2022/04/21
- Phantom: ELI Phantom_1245; Type: QDOVA002AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (71x251x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 1.44 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 29.05 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 1.92 W/kg
SAR(1 g) = 0.878 W/kg; SAR(10 g) = 0.401 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 8.1 mm
Ratio of SAR at M2 to SAR at M1 = 48.2%
Maximum value of SAR (measured) = 1.49 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/12/28

P02 WLAN5.3G_802.11n HT40_Bottom Side_0mm_Ch54_Sample 1_Ant 0

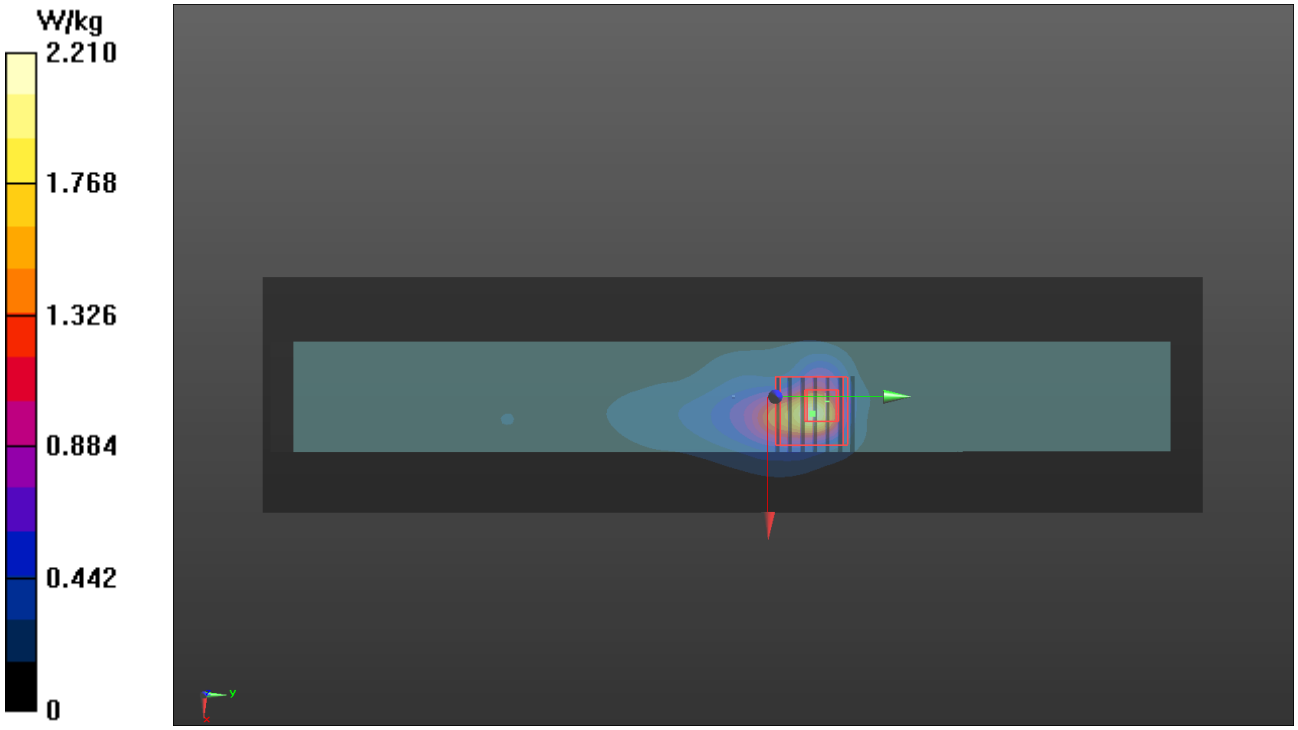
DUT: BFLF-WTW-P22120580

Communication System: UID 10599 - AAC, IEEE 802.11n (HT Mixed, 40MHz, MCS0); Frequency: 5270 MHz;Duty Cycle: 1:1
Medium: H51T72N3_1228 Medium parameters used: f = 5270 MHz; σ = 4.578 S/m; ε_r = 37.473; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃ ; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7537; ConvF(5.54, 5.54, 5.54) @ 5270 MHz; Calibrated: 2022/04/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2022/04/21
- Phantom: ELI Phantom_1245; Type: QDOVA002AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (81x301x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 2.21 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 21.66 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 4.35 W/kg
SAR(1 g) = 1.1 W/kg; SAR(10 g) = 0.346 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 6.4 mm
Ratio of SAR at M2 to SAR at M1 = 65.6%
Maximum value of SAR (measured) = 2.70 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/12/28

P03 WLAN5.6G_802.11n HT40_Bottom Side_0mm_Ch142_Sample 1_Ant 0+1

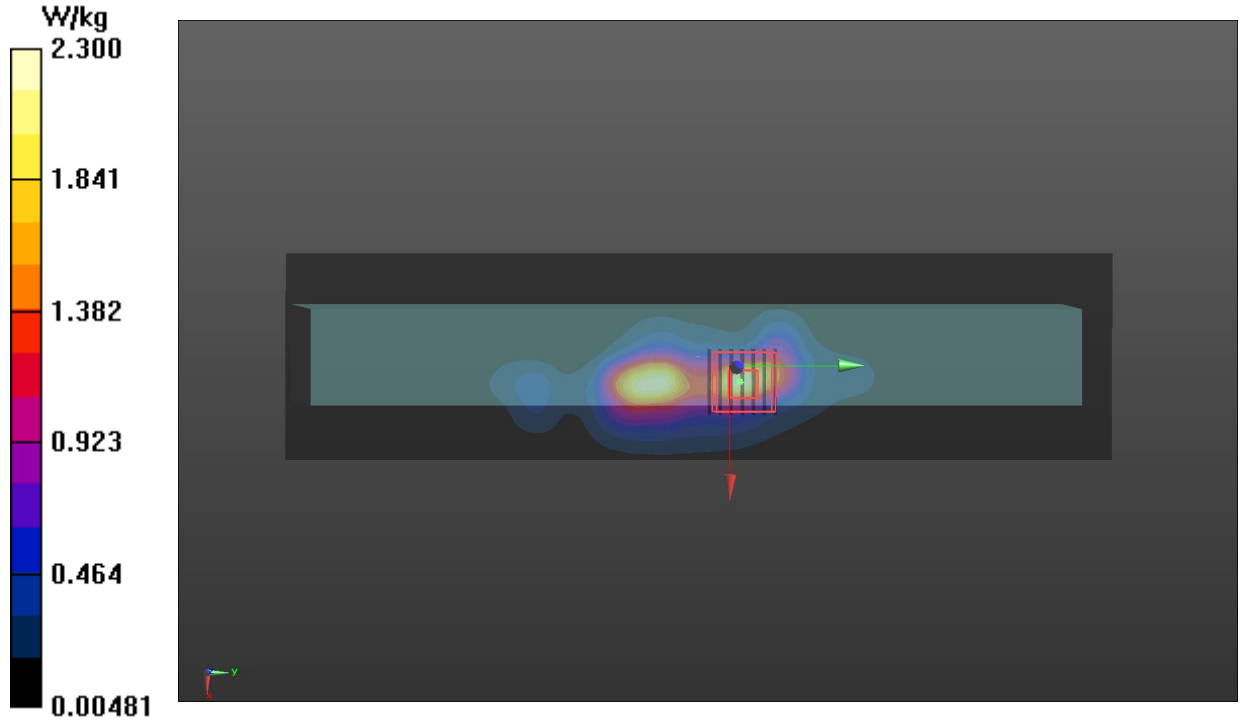
DUT: BFLF-WTW-P22120580

Communication System: UID 10599 - AAC, IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc duty cycle); Frequency: 5710 MHz;Duty Cycle: 1:1
Medium: H51T72N3_1228 Medium parameters used: f = 5710 MHz; σ = 5.074 S/m; ε_r = 36.741; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃ ；Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7537; ConvF(4.97, 4.97, 4.97) @ 5710 MHz; Calibrated: 2022/04/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2022/04/21
- Phantom: ELI Phantom_1245; Type: QDOVA002AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (81x301x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 2.30 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 23.39 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 4.78 W/kg
SAR(1 g) = 1.08 W/kg; SAR(10 g) = 0.384 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 6.4 mm
Ratio of SAR at M2 to SAR at M1 = 60.7%
Maximum value of SAR (measured) = 2.71 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/12/28

P04 WLAN5.8G_802.11a_Bottom Side_0mm_Ch153_Sample 1_Ant 1

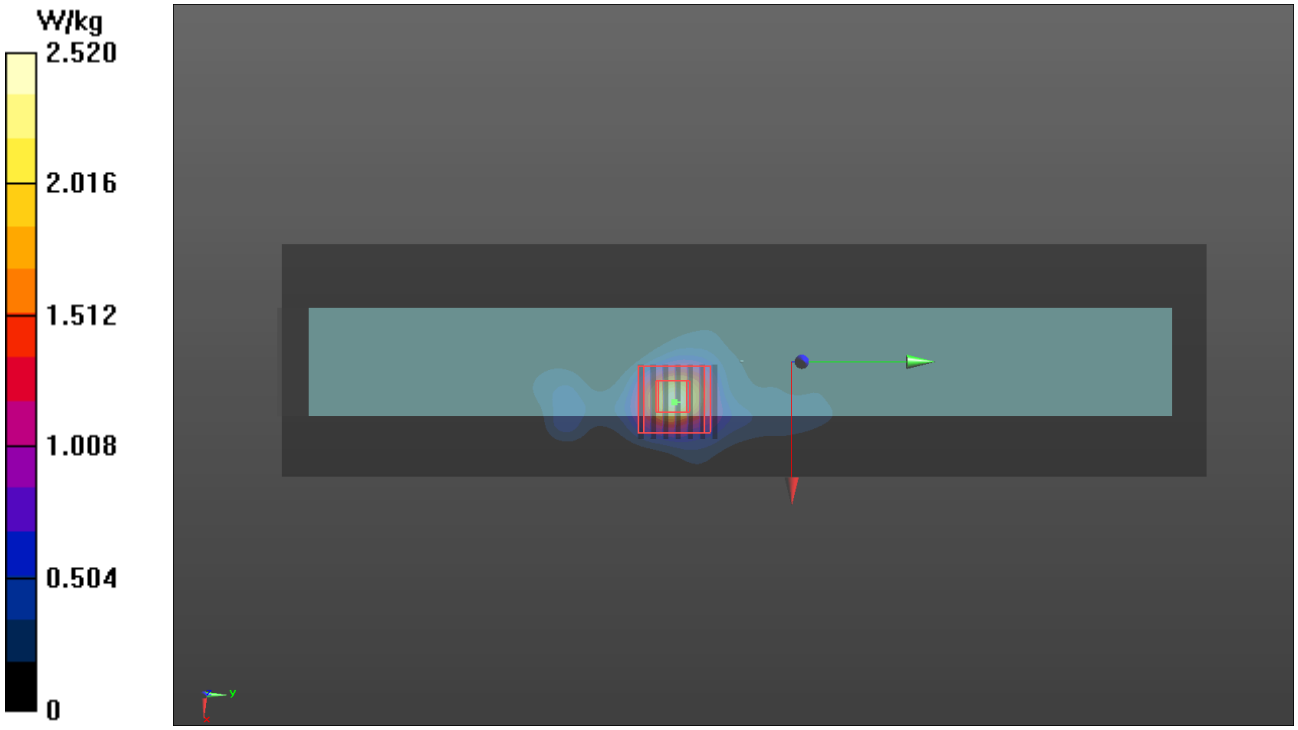
DUT: BFLF-WTW-P22120580

Communication System: UID 10062 - CAD, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps); Frequency: 5765 MHz;Duty Cycle: 1:1
Medium: H51T72N3_1228 Medium parameters used: f = 5765 MHz; σ = 5.137 S/m; ε_r = 36.647; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃ ; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7537; ConvF(4.97, 4.97, 4.97) @ 5765 MHz; Calibrated: 2022/04/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2022/04/21
- Phantom: ELI Phantom_1245; Type: QDOVA002AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (81x301x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 2.52 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 19.69 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 4.57 W/kg
SAR(1 g) = 1.11 W/kg; SAR(10 g) = 0.358 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 = 62.9%
Maximum value of SAR (measured) = 2.59 W/kg



Measurement Report
P05 WLAN5.9G_802.11ax HE80_Bottom Side_0mm_Ch171_Ant 0
Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
BFLF-WTW-P22120580,	280.0 x 115.0 x 35.0		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, HSL	Edge Bottom 0.00	WLAN5.9G	WLAN, 10731-AAC	5855.0, 171	5.45	5.25	35.6

Hardware Setup

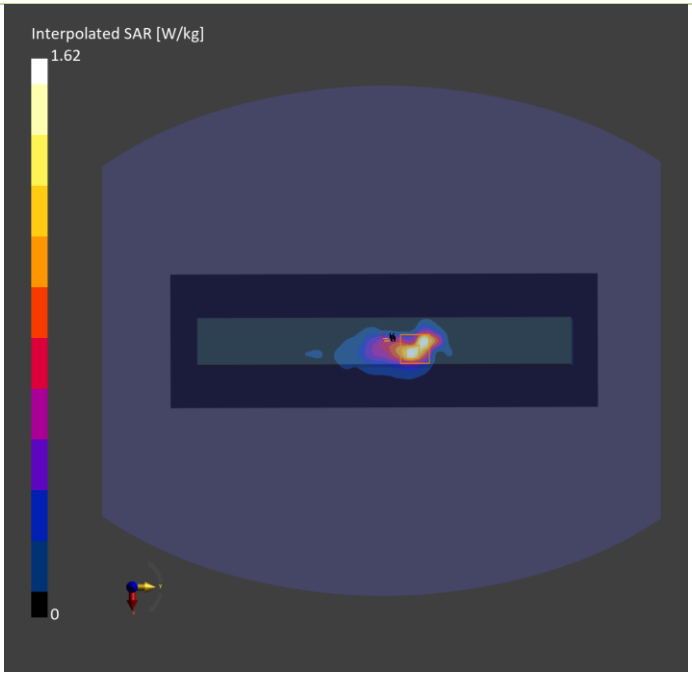
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) - 1245	H51T72N3 , 2022-Dec-29	EX3DV4 - SN7537, 2022-04-27	DAE4 Sn1585, 2022-04-21

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	105.0 x 330.0	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	2022-12-29	2022-12-29
psSAR1g [W/Kg]	1.08	1.16
psSAR10g [W/Kg]	0.386	0.396
Power Drift [dB]	-0.03	-0.02
M2/M1 [%]		57.6
Dist 3dB Peak [mm]		6.5



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/12/29

P06 BT_BDR_Bottom Side_0mm_Ch78_Sample 1_Ant 1

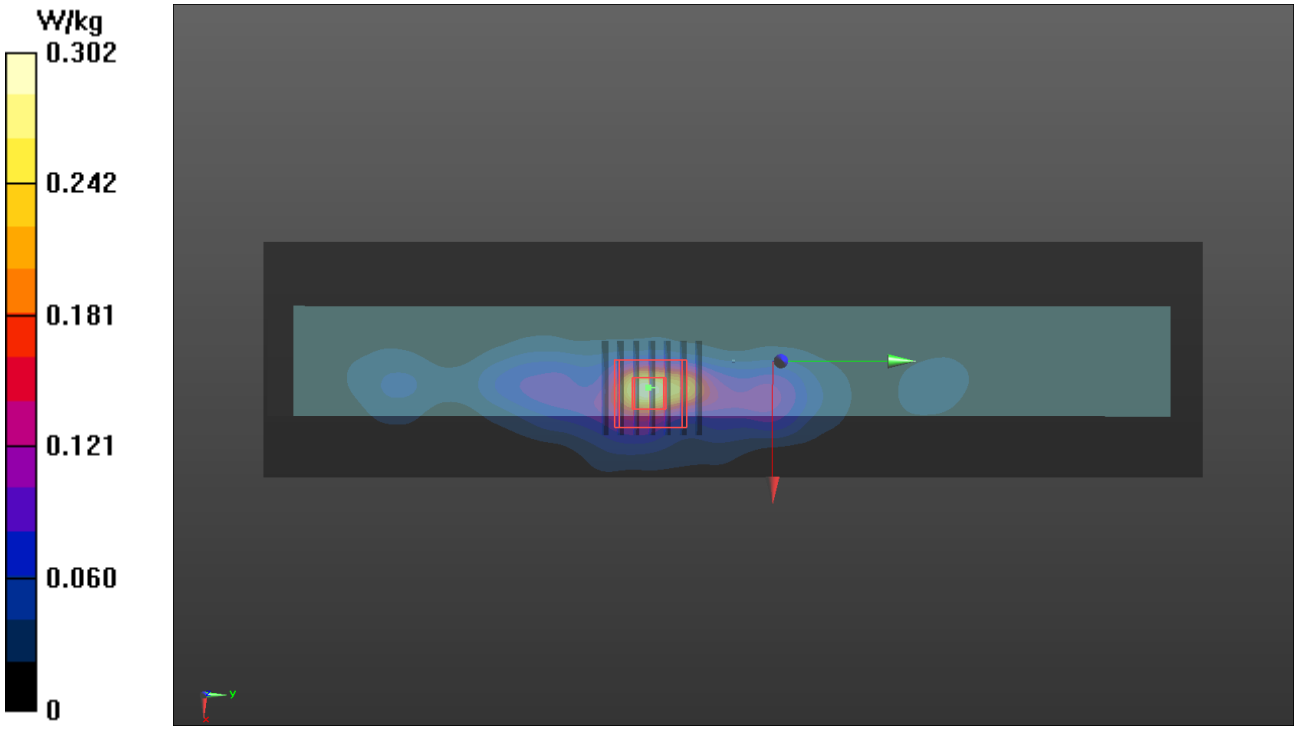
DUT: BFLF-WTW-P22120580

Communication System: UID 10032 - CAA, IEEE 802.15.1 Bluetooth (GFSK, DH5); Frequency: 2480 MHz;Duty Cycle: 1:1.30
Medium: H06T27N3_1229 Medium parameters used: f = 2480 MHz; σ = 1.867 S/m; ε_r = 40.29; ρ = 1000 kg/m^3
Ambient Temperature：22.6 ℃ ; Liquid Temperature：20.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7537; ConvF(7.61, 7.61, 7.61) @ 2480 MHz; Calibrated: 2022/04/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2022/04/21
- Phantom: ELI Phantom_1245; Type: QDOVA002AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (71x251x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.302 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 12.33 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 0.436 W/kg
SAR(1 g) = 0.182 W/kg; SAR(10 g) = 0.076 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 7.6 mm
Ratio of SAR at M2 to SAR at M1 = 44.7%
Maximum value of SAR (measured) = 0.322 W/kg



Plots of Measurement

Measurement Report
P13 UNII_6_802.11ax HE160_Bottom Side_0mm_Ch111_Ant 1
Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
BFLF-WTW-P22120580,	115.0 x 280.0 x 35.0		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, HSL	Edge Bottom 0.00	U-NII-6	WLAN, 10755-AAC	6505.0, 111	5.45	6.01	35.5

Hardware Setup

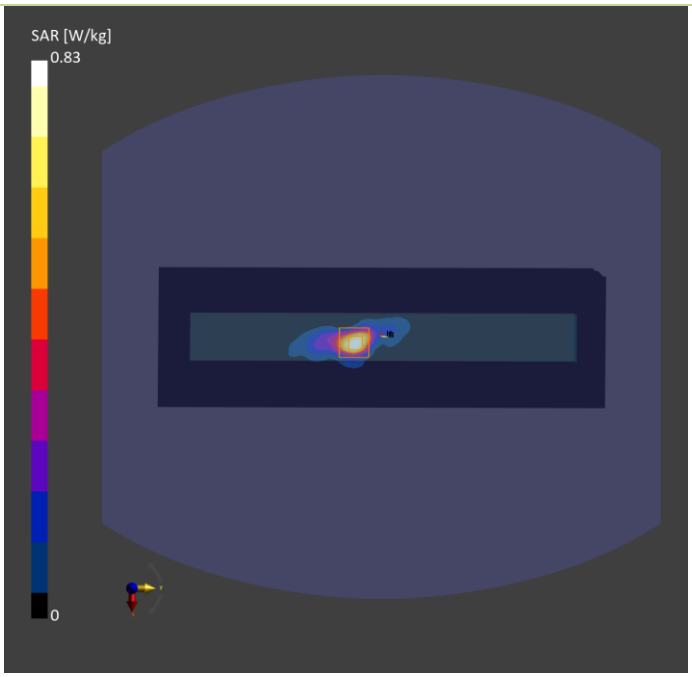
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) - 1245	H51T72N3 , 2022-Dec-30	EX3DV4 - SN7537, 2022-04-27	DAE4 Sn1585, 2022-04-21

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	105.0 x 330.0	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	2022-12-30	2022-12-30
psSAR1g [W/kg]	0.711	0.694
psSAR10g [W/kg]	0.218	0.211
psAPD (1.0cm2, sq) [W/m2]		7.35
psAPD (4.0cm2, sq) [W/m2]		5.11
Power Drift [dB]	0.03	0.03
M2/M1 [%]		55.9
Dist 3dB Peak [mm]		7.1



Measurement Report
P13 UNII-6_802.11ax HE160_Bottom Side_0mm_Ch111_Ant 1
Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
BFLF-WTW-P22120580,	280.0 x 116.0 x 32.0		Tablet

Exposure Conditions

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

Hardware Setup

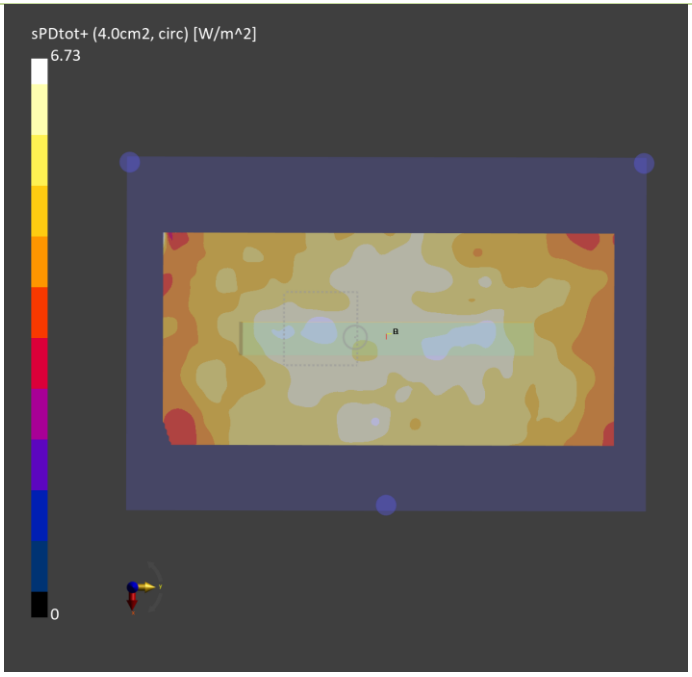
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 1029	---Air	EUmmWV4 - SN9438_F1-55GHz, 2022-07-18	DAE4 Sn1341, 2022-07-19

Scan Setup

	5G Scan
Grid Extents [mm]	92.0 x 92.0
Grid Steps [lambda]	0.0542 x 0.0542
Sensor Surface [mm]	2.0

Measurement Results

	5G Scan
Date	2023-01-09
Avg. Area [cm^2]	4.00
psPDn+ [W/m^2]	5.51
psPDtot+ [W/m^2]	5.98
psPDmod+ [W/m^2]	7.29
E_{max} [V/m]	60.9
Power Drift [dB]	0.11



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/12/28

P07 WLAN2.4G_802.11b_Bottom Side_0mm_Ch11_Sample 1_Ant 0+1

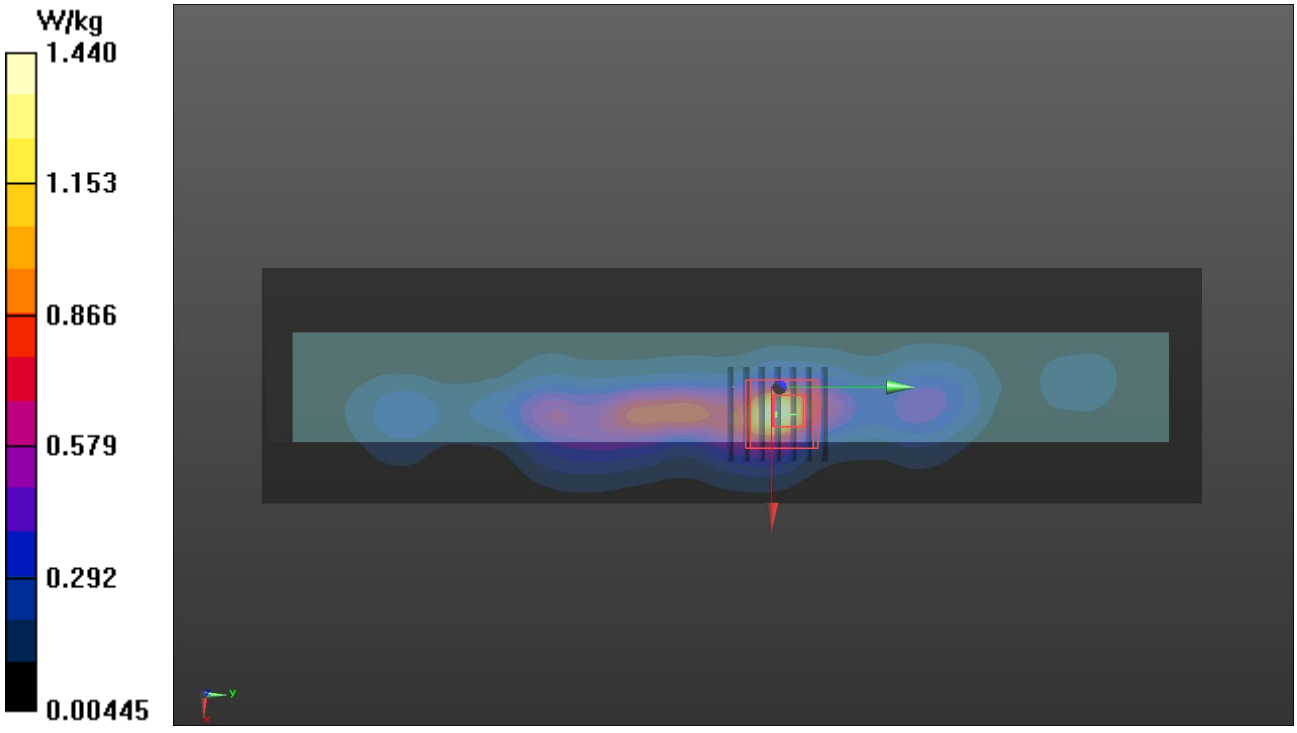
DUT: BFLF-WTW-P22120580

Communication System: UID 10012 - CAB, IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps); Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: H06T27N3_1228 Medium parameters used: f = 2462 MHz; σ = 1.797 S/m; ε_r = 38.877; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃ ; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7537; ConvF(7.61, 7.61, 7.61) @ 2462 MHz; Calibrated: 2022/04/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2022/04/21
- Phantom: ELI Phantom_1245; Type: QDOVA002AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (71x251x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 1.44 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 29.05 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 1.92 W/kg
SAR(1 g) = 0.878 W/kg; SAR(10 g) = 0.401 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 8.1 mm
Ratio of SAR at M2 to SAR at M1 = 48.2%
Maximum value of SAR (measured) = 1.49 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/12/28

P08 WLAN5.3G_802.11n HT40_Bottom Side_0mm_Ch54_Sample 1_Ant 0

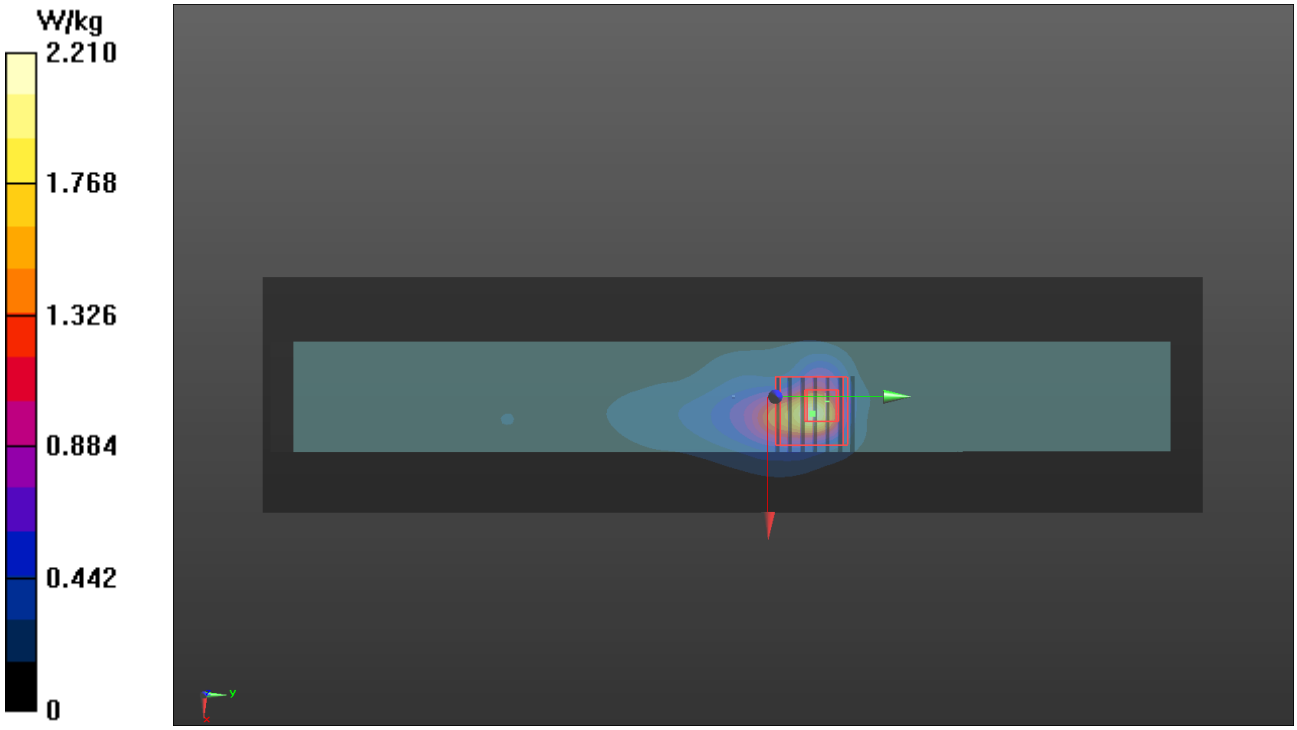
DUT: BFLF-WTW-P22120580

Communication System: UID 10599 - AAC, IEEE 802.11n (HT Mixed, 40MHz, MCS0); Frequency: 5270 MHz;Duty Cycle: 1:1
Medium: H51T72N3_1228 Medium parameters used: f = 5270 MHz; σ = 4.578 S/m; ε_r = 37.473; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃ ; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7537; ConvF(5.54, 5.54, 5.54) @ 5270 MHz; Calibrated: 2022/04/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2022/04/21
- Phantom: ELI Phantom_1245; Type: QDOVA002AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (81x301x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 2.21 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 21.66 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 4.35 W/kg
SAR(1 g) = 1.1 W/kg; SAR(10 g) = 0.346 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 6.4 mm
Ratio of SAR at M2 to SAR at M1 = 65.6%
Maximum value of SAR (measured) = 2.70 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/12/28

P09 WLAN5.6G_802.11n HT40_Bottom Side_0mm_Ch142_Sample 1_Ant 0+1

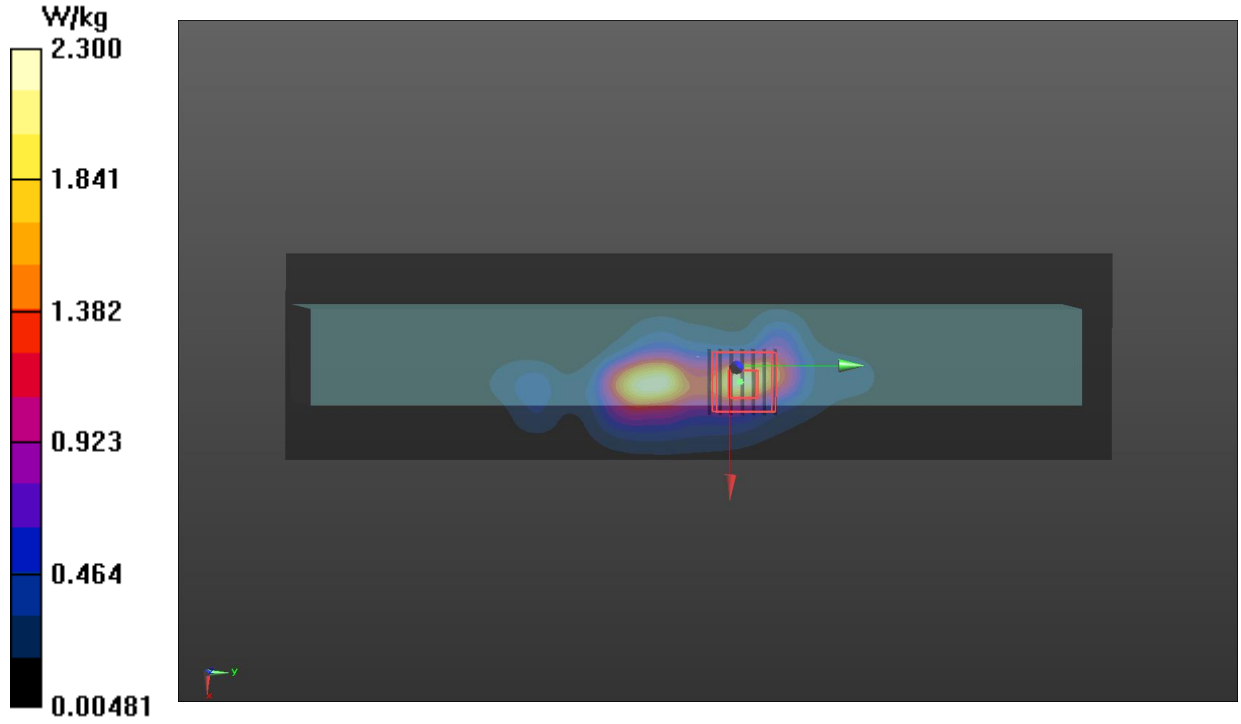
DUT: BFLF-WTW-P22120580

Communication System: UID 10599 - AAC, IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc duty cycle); Frequency: 5710 MHz;Duty Cycle: 1:1
Medium: H51T72N3_1228 Medium parameters used: f = 5710 MHz; σ = 5.074 S/m; ε_r = 36.741; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃ ；Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7537; ConvF(4.97, 4.97, 4.97) @ 5710 MHz; Calibrated: 2022/04/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2022/04/21
- Phantom: ELI Phantom_1245; Type: QDOVA002AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (81x301x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 2.30 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 23.39 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 4.78 W/kg
SAR(1 g) = 1.08 W/kg; SAR(10 g) = 0.384 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 6.4 mm
Ratio of SAR at M2 to SAR at M1 = 60.7%
Maximum value of SAR (measured) = 2.71 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/12/28

P10 WLAN5.8G_802.11a_Bottom Side_0mm_Ch153_Sample 1_Ant 1

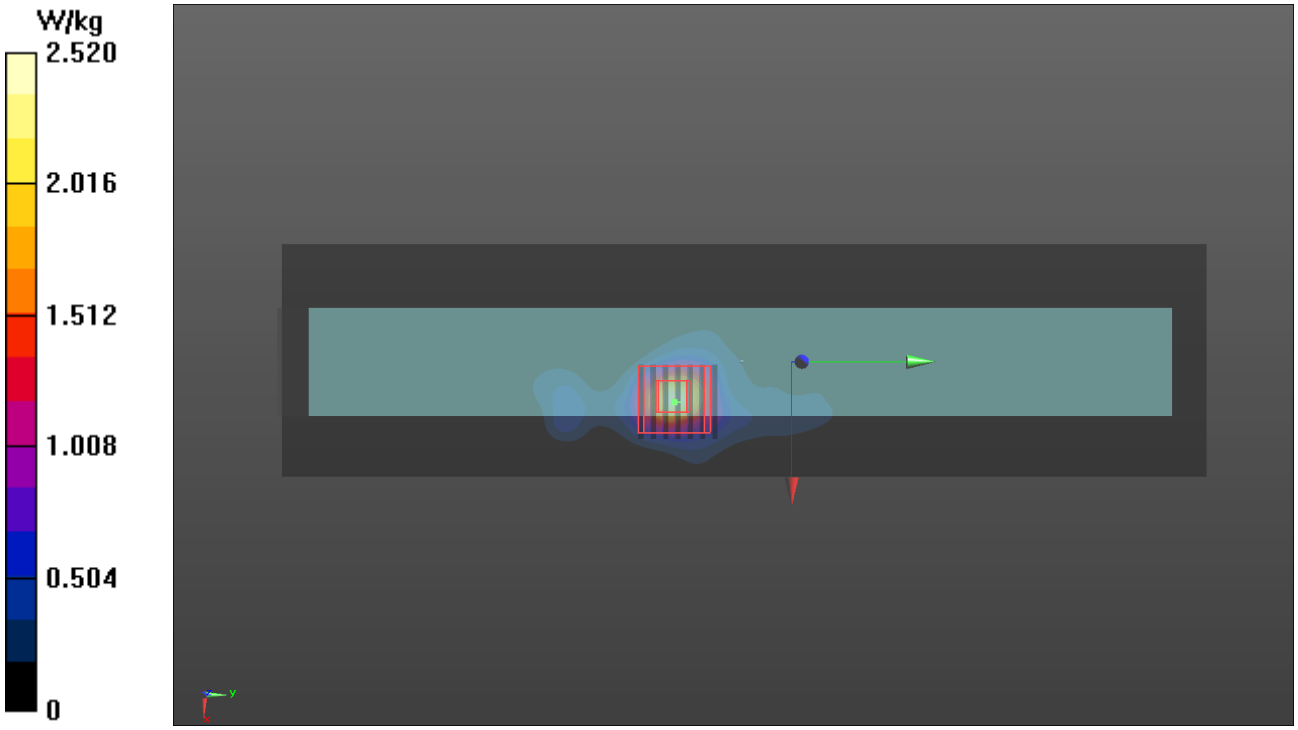
DUT: BFLF-WTW-P22120580

Communication System: UID 10062 - CAD, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps); Frequency: 5765 MHz;Duty Cycle: 1:1
Medium: H51T72N3_1228 Medium parameters used: f = 5765 MHz; σ = 5.137 S/m; ε_r = 36.647; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃ ；Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7537; ConvF(4.97, 4.97, 4.97) @ 5765 MHz; Calibrated: 2022/04/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2022/04/21
- Phantom: ELI Phantom_1245; Type: QDOVA002AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (81x301x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 2.52 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 19.69 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 4.57 W/kg
SAR(1 g) = 1.11 W/kg; SAR(10 g) = 0.358 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 = 62.9%
Maximum value of SAR (measured) = 2.59 W/kg



Measurement Report
P11 WLAN5.9G_802.11ax HE80_Bottom Side_0mm_Ch171_Ant 0
Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
BFLF-WTW-P22120580,	280.0 x 115.0 x 35.0		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, HSL	Edge Bottom 0.00	WLAN5.9G	WLAN, 10544-AAC	5855.0, 171	5.45	5.25	35.6

Hardware Setup

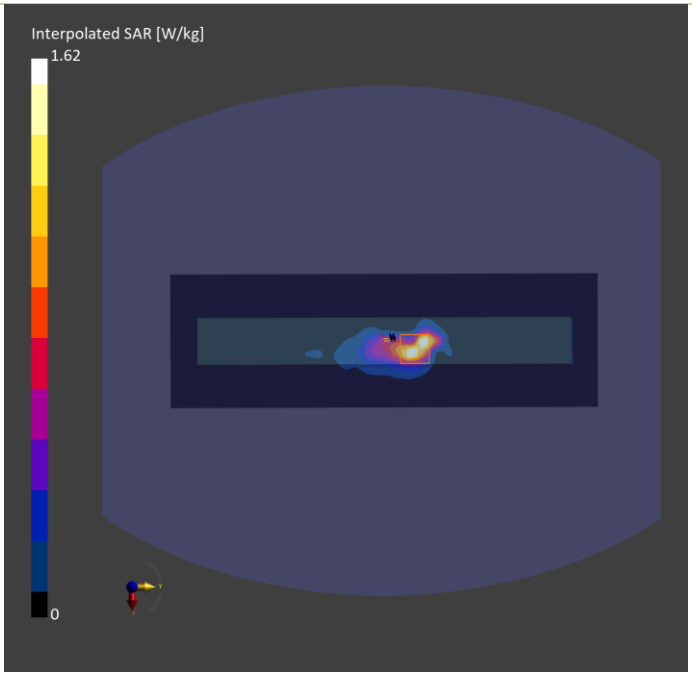
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) - 1245	H51T72N3 , 2022-Dec-29	EX3DV4 - SN7537, 2022-04-27	DAE4 Sn1585, 2022-04-21

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	105.0 x 330.0	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	2022-12-29	2022-12-29
psSAR1g [W/Kg]	1.08	1.16
psSAR10g [W/Kg]	0.386	0.396
Power Drift [dB]	-0.03	-0.02
M2/M1 [%]		57.6
Dist 3dB Peak [mm]		6.5



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/12/29

P12 BT_BDR_Bottom Side_0mm_Ch78_Sample 1_Ant 1

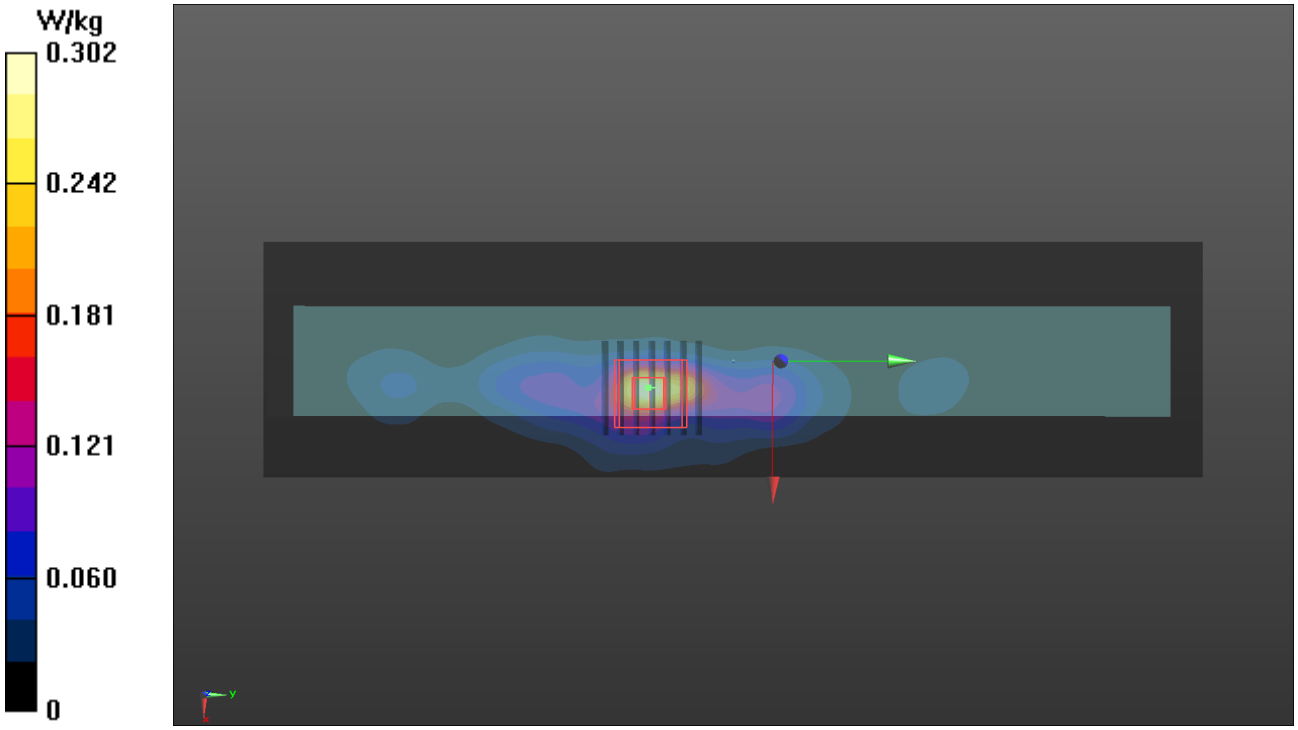
DUT: BFLF-WTW-P22120580

Communication System: UID 10032 - CAA, IEEE 802.15.1 Bluetooth (GFSK, DH5); Frequency: 2480 MHz;Duty Cycle: 1:1.30
Medium: H06T27N3_1229 Medium parameters used: f = 2480 MHz; σ = 1.867 S/m; ε_r = 40.29; ρ = 1000 kg/m^3
Ambient Temperature：22.6 ℃ ; Liquid Temperature：20.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7537; ConvF(7.61, 7.61, 7.61) @ 2480 MHz; Calibrated: 2022/04/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2022/04/21
- Phantom: ELI Phantom_1245; Type: QDOVA002AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (71x251x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.302 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 12.33 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 0.436 W/kg
SAR(1 g) = 0.182 W/kg; SAR(10 g) = 0.076 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 7.6 mm
Ratio of SAR at M2 to SAR at M1 = 44.7%
Maximum value of SAR (measured) = 0.322 W/kg



Plots of Measurement

Measurement Report
P14 UNII_6_802.11ax HE160_Bottom Side_0mm_Ch111_Ant 1
Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
BFLF-WTW-P22120580,	115.0 x 280.0 x 35.0		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, HSL	Edge Bottom 0.00	U-NII-6	WLAN, 10755-AAC	6505.0, 111	5.45	6.01	35.5

Hardware Setup

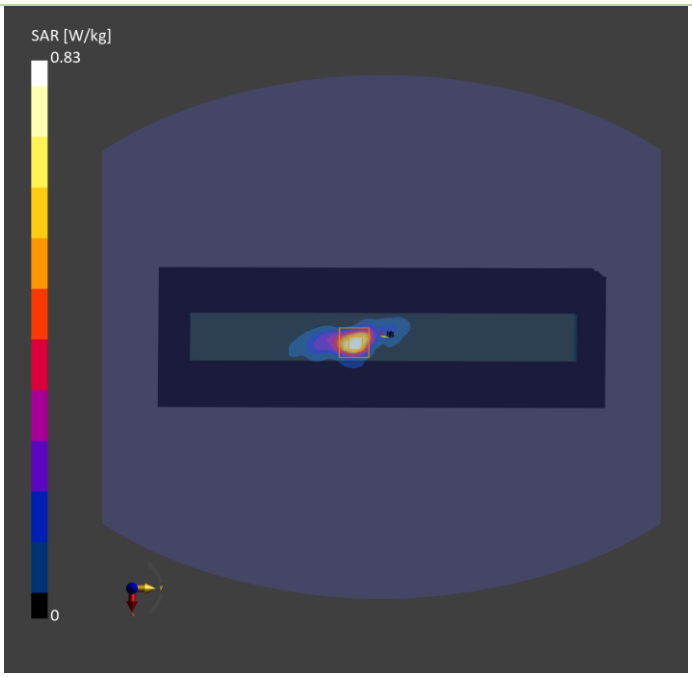
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) - 1245	H51T72N3 , 2022-Dec-30	EX3DV4 - SN7537, 2022-04-27	DAE4 Sn1585, 2022-04-21

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	105.0 x 330.0	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	2022-12-30	2022-12-30
psSAR1g [W/kg]	0.711	0.694
psSAR10g [W/kg]	0.218	0.211
psAPD (1.0cm2, sq) [W/m2]		7.35
psAPD (4.0cm2, sq) [W/m2]		5.11
Power Drift [dB]	0.03	0.03
M2/M1 [%]		55.9
Dist 3dB Peak [mm]		7.1



Measurement Report
P14 UNII-6_802.11ax HE160_Bottom Side_0mm_Ch111_Ant 1
Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
BFLF-WTW-P22120580,	280.0 x 116.0 x 32.0		Tablet

Exposure Conditions

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

Hardware Setup

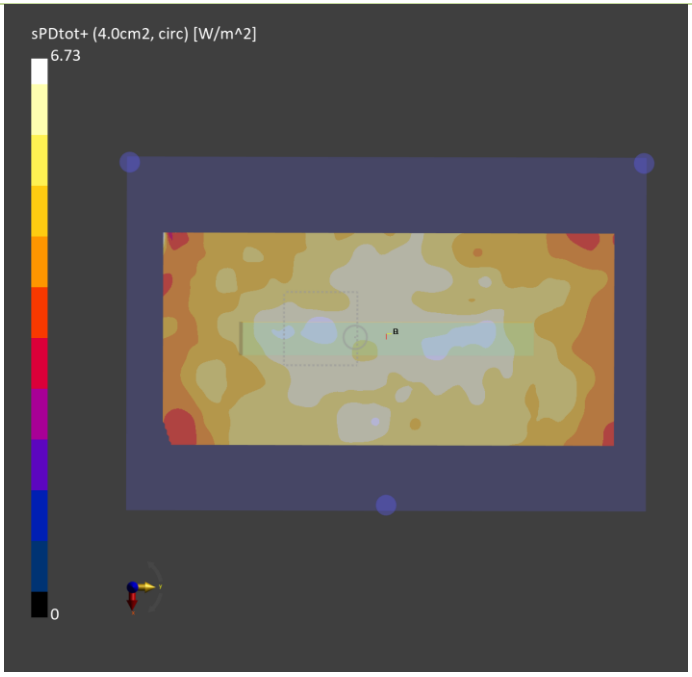
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 1029	---Air	EUmmWV4 - SN9438_F1-55GHz, 2022-07-18	DAE4 Sn1341, 2022-07-19

Scan Setup

	5G Scan
Grid Extents [mm]	92.0 x 92.0
Grid Steps [lambda]	0.0542 x 0.0542
Sensor Surface [mm]	2.0

Measurement Results

	5G Scan
Date	2023-01-09
Avg. Area [cm^2]	4.00
psPDn+ [W/m^2]	5.51
psPDtot+ [W/m^2]	5.98
psPDmod+ [W/m^2]	7.29
E_{max} [V/m]	60.9
Power Drift [dB]	0.11



Appendix C. Tissue & System Verification

The measuring results for tissue simulating liquid and system check are shown as below.

Note:

1. For Section 4.3, the dielectric properties of the tissue simulating liquid have been measured within 24 hours before the SAR testing and within ±10 % of the target values. Liquid temperature during the SAR testing has kept within ±2 ℃.

2. For Section 4.4, The SAR measurement system was validated according to procedures in FCC KDB 865664 D0. The validation status in tabulated summary is as below.

3. For Section 4.5, Comparing to the reference SAR value provided by SPEAG in dipole calibration certificate, the deviation of system check results is within its specification of 10 %. The result indicates the system check can meet the variation criterion and the plots please refer to Appendix A of this report.

Tissue Verification									Validation for CW			Validation for Modulation				System Check					Note			
Plot No.	Frequency (MHz)	Liquid Temp. (℃)	Conductivity (σ)	Permittivity (εr)	Targeted Conductivity (σ)	Targeted Permittivity (εr)	Deviation Conductivity (σ)	Deviation Permittivity (εr)	Sensitivity Range	Probe Linearity	Probe Isotropy	Modulation Type	Duty Factor	PAR	Date	Frequency (MHz)	Targeted 1g SAR (W/kg)	Measured 1g SAR (W/kg)	Normalized 1g SAR (W/kg)	Deviation (%)	Dipole S/N	Probe S/N	DAE S/N	Output Power (dBm)
S01	2450	21.2	1.788	38.896	1.8	39.2	-0.67	-0.78	Pass	Pass	Pass	OFDM	N/A	Pass	Dec. 28, 2022	2450	52.60	2.5	49.88	-5.17	737	7537	1585	17
S02	5250	21.2	4.556	37.51	4.71	35.9	-3.27	4.48	Pass	Pass	Pass	OFDM	N/A	Pass	Dec. 28, 2022	5250	80.60	3.86	77.02	-4.45	1019	7537	1585	17
S03	5600	21.2	4.946	36.92	5.07	35.5	-2.45	4.00	Pass	Pass	Pass	OFDM	N/A	Pass	Dec. 28, 2022	5600	82.40	4.37	87.19	5.82	1019	7537	1585	17
S04	5750	21.2	5.12	36.673	5.22	35.4	-1.92	3.60	Pass	Pass	Pass	OFDM	N/A	Pass	Dec. 28, 2022	5750	79.40	3.89	77.62	-2.25	1019	7537	1585	17
S05a	5750	21.1	5.072	35.824	5.22	35.4	-2.84	1.20	Pass	Pass	Pass	OFDM	N/A	Pass	Dec. 29, 2022	5750	79.40	3.83	76.42	-3.75	1019	7537	1585	17
S05b	6500	21.1	5.96	34.6	6.07	34.5	-1.81	0.29	Pass	Pass	Pass	OFDM	N/A	Pass	Dec. 29, 2022	6500	289.00	29.1	291.00	0.69	1008	7537	1585	20
S06	2450	20.8	1.842	40.331	1.8	39.2	2.33	2.89	Pass	Pass	Pass	OFDM	N/A	Pass	Dec. 29, 2022	2450	52.60	2.56	51.08	-2.89	737	7537	1585	17
S13	6500	21.1	6.01	35.5	6.07	34.5	-0.99	2.90	Pass	Pass	Pass	OFDM	N/A	Pass	Dec. 30, 2022	6500	289.00	29.2	292.00	1.04	1008	7537	1585	20

Tissue Verification									Validation for CW			Validation for Modulation				System Check					Note			
Plot No.	Frequency (MHz)	Liquid Temp. (℃)	Conductivity (σ)	Permittivity (εr)	Targeted Conductivity (σ)	Targeted Permittivity (εr)	Deviation Conductivity (σ)	Deviation Permittivity (εr)	Sensitivity Range	Probe Linearity	Probe Isotropy	Modulation Type	Duty Factor	PAR	Date	Frequency (MHz)	Targeted 10g SAR (W/kg)	Measured 10g SAR (W/kg)	Normalized 10g SAR (W/kg)	Deviation (%)	Dipole S/N	Probe S/N	DAE S/N	Output Power (dBm)
S07	2450	21.2	1.788	38.896	1.8	39.2	-0.67	-0.78	Pass	Pass	Pass	OFDM	N/A	Pass	Dec. 28, 2022	2450	23.90	1.17	23.34	-2.32	737	7537	1585	17
S08	5250	21.2	4.556	37.51	4.71	35.9	-3.27	4.48	Pass	Pass	Pass	OFDM	N/A	Pass	Dec. 28, 2022	5250	23.00	1.12	22.35	-2.84	1019	7537	1585	17
S09	5600	21.2	4.946	36.92	5.07	35.5	-2.45	4.00	Pass	Pass	Pass	OFDM	N/A	Pass	Dec. 28, 2022	5600	23.30	1.26	25.14	7.90	1019	7537	1585	17
S10	5750	21.2	5.12	36.673	5.22	35.4	-1.92	3.60	Pass	Pass	Pass	OFDM	N/A	Pass	Dec. 28, 2022	5750	22.40	1.12	22.35	-0.24	1019	7537	1585	17
S11a	5750	21.1	5.072	35.824	5.22	35.4	-2.84	1.20	Pass	Pass	Pass	OFDM	N/A	Pass	Dec. 29, 2022	5750	22.40	1.1	21.95	-2.02	1019	7537	1585	17
S11b	6500	21.1	5.96	34.6	6.07	34.5	-1.81	0.29	Pass	Pass	Pass	OFDM	N/A	Pass	Dec. 29, 2022	6500	53.50	5.41	54.10	1.12	1008	7537	1585	20
S12	2450	20.8	1.842	40.331	1.8	39.2	2.33	2.89	Pass	Pass	Pass	OFDM	N/A	Pass	Dec. 29, 2022	2450	23.90	1.21	24.14	1.02	737	7537	1585	17
S14	6500	21.1	6.01	35.5	6.07	34.5	-0.99	2.90	Pass	Pass	Pass	OFDM	N/A	Pass	Dec. 30, 2022	6500	53.50	5.42	54.20	1.31	1008	7537	1585	20

System Performance Check for Incident Power Density Measurement									
Plot No.	Test Date	Frequency [GHz]	mmWave Probe S/N	Verification Source S/N	Averaging Area [cm^2]	Distance [mm]	Target Power Density [W/m^2]	Measured Power Density [W/m^2]	Deviation [%]
S13	Jan. 09, 2023	10	9438	1025	4	10.0	51.3	56.1	9.36%
S14	Jan. 09, 2023	10	9438	1025	4	10.0	51.3	56.1	9.36%

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)							
WLAN 2.4GHz							
Mode	Channel	Frequency	SISO Ant 0 Max Tune up	SISO Ant 1 Max Tune up	MIMO Ant 0 Tune up	MIMO Ant 1 Tune up	MIMO Ant 0+1 Max Tune up
802.11b	1	2412	18.0	18.0	15.0	15.0	18.0
	6	2437	18.0	18.0	15.0	15.0	18.0
	11	2462	17.5	17.5	15.0	15.0	18.0
	12	2467	15.0	15.0	15.0	15.0	18.0
	13	2472	13.5	13.5	13.5	13.5	16.5
802.11g	1	2412	18.0	18.0	15.0	15.0	18.0
	6	2437	18.0	18.0	15.0	15.0	18.0
	11	2462	18.0	18.0	15.0	15.0	18.0
	12	2467	14.5	14.5	14.5	14.5	17.5
	13	2472	11.5	11.5	11.5	11.5	14.5
802.11n HT20	1	2412	17.5	17.5	15.0	15.0	18.0
	6	2437	18.0	18.0	15.0	15.0	18.0
	11	2462	17.0	17.0	15.0	15.0	18.0
	12	2467	14.0	14.0	14.0	14.0	17.0
	13	2472	9.5	9.5	9.5	9.5	12.5
802.11n HT40	3	2422	15.0	15.0	15.0	15.0	18.0
	6	2437	18.0	18.0	15.0	15.0	18.0
	9	2452	15.0	15.0	15.0	15.0	18.0
	10	2457	12.0	12.0	12.0	12.0	15.0
	11	2462	10.0	10.0	10.0	10.0	13.0
802.11ax HE20	1	2412	17.5	17.5	15.0	15.0	18.0
	6	2437	18.0	18.0	15.0	15.0	18.0
	11	2462	17.5	17.5	15.0	15.0	18.0
	12	2467	14.0	14.0	14.0	14.0	17.0
	13	2472	10.0	10.0	10.0	10.0	13.0
802.11ax HE40	3	2422	15.0	15.0	15.0	15.0	18.0
	6	2437	18.0	18.0	15.0	15.0	18.0
	9	2452	15.0	15.0	15.0	15.0	18.0
	10	2457	12.5	12.5	12.5	12.5	15.5
	11	2462	10.0	10.0	10.0	10.0	13.0

Tune-up Power (Full)				
Bluetooth				
Mode	Channel	Frequency		Ant 1 Max Tune-up
BR / EDR	0	2402		11.5
	39	2441		11.5
	78	2480		11.5
LE	0	2402		11.5
	19	2440		11.5
	39	2480		11.5

Tune-up Power (Full)							
WLAN 5.2GHz							
Mode	Channel	Frequency	SISO Ant 0 Max Tune up	SISO Ant 1 Max Tune up	MIMO Ant 0 Tune up	MIMO Ant 1 Tune up	MIMO Ant 0+1 Max Tune up
802.11a	36	5180	15.5	14.0	14.0	14.0	17.0
	40	5200	15.5	14.0	14.0	14.0	17.0
	44	5220	15.5	14.0	14.0	14.0	17.0
	48	5240	15.5	14.0	14.0	14.0	17.0
802.11n HT20	36	5180	15.5	14.0	14.0	14.0	17.0
	40	5200	15.5	14.0	14.0	14.0	17.0
	44	5220	15.5	14.0	14.0	14.0	17.0
	48	5240	15.5	14.0	14.0	14.0	17.0
802.11n HT40	38	5190	15.5	14.0	14.0	14.0	17.0
	46	5230	15.5	14.0	14.0	14.0	17.0
802.11ac VHT80	42	5210	14.0	13.5	13.5	13.5	16.5
802.11ax HE20	36	5180	15.5	14.0	14.0	14.0	17.0
	40	5200	15.5	14.0	14.0	14.0	17.0
	44	5220	15.5	14.0	14.0	14.0	17.0
	48	5240	15.5	14.0	14.0	14.0	17.0
802.11ax HE40	38	5190	15.5	14.0	14.0	14.0	17.0
	46	5230	15.5	14.0	14.0	14.0	17.0
802.11ax HE80	42	5210	14.0	13.5	13.5	13.5	16.5

Tune-up Power (Full)							
WLAN 5.3GHz							
Mode	Channel	Frequency	SISO Ant 0 Max Tune up	SISO Ant 1 Max Tune up	MIMO Ant 0 Tune up	MIMO Ant 1 Tune up	MIMO Ant 0+1 Max Tune up
802.11a	52	5260	15.5	14.0	14.0	14.0	17.0
	56	5280	15.5	14.0	14.0	14.0	17.0
	60	5300	15.5	14.0	14.0	14.0	17.0
	64	5320	15.5	14.0	14.0	14.0	17.0
802.11n HT20	52	5260	15.5	14.0	14.0	14.0	17.0
	56	5280	15.5	14.0	14.0	14.0	17.0
	60	5300	15.5	14.0	14.0	14.0	17.0
	64	5320	15.5	14.0	14.0	14.0	17.0
802.11n HT40	54	5270	15.5	14.0	14.0	14.0	17.0
	62	5310	15.5	14.0	14.0	14.0	17.0
802.11ac VHT80	58	5290	14.5	13.5	13.5	13.5	16.5
802.11ac VHT160	50	5250	13.5	13.5	13.5	13.5	16.5
802.11ax HE20	52	5260	15.5	14.0	14.0	14.0	17.0
	56	5280	15.5	14.0	14.0	14.0	17.0
	60	5300	15.5	14.0	14.0	14.0	17.0
	64	5320	15.5	14.0	14.0	14.0	17.0
802.11ax HE40	54	5270	15.5	14.0	14.0	14.0	17.0
	62	5310	15.5	14.0	14.0	14.0	17.0
802.11ax HE80	58	5290	14.5	13.5	13.5	13.5	16.5
802.11ax HE160	50	5250	13.5	13.5	13.5	13.5	16.5

Tune-up Power (Full)							
WLAN 5.6GHz							
Mode	Channel	Frequency	SISO Ant 0 Max Tune up	SISO Ant 1 Max Tune up	MIMO Ant 0 Tune up	MIMO Ant 1 Tune up	MIMO Ant 0+1 Max Tune up
802.11a	100	5500	14.0	13.5	13.0	13.0	16.0
	116	5580	14.0	13.5	13.0	13.0	16.0
	120	5600	14.0	13.5	13.0	13.0	16.0
	124	5620	14.0	13.5	13.0	13.0	16.0
	132	5660	14.0	13.5	13.0	13.0	16.0
	140	5700	14.0	13.5	13.0	13.0	16.0
	144	5720	14.0	13.5	13.0	13.0	16.0
802.11n HT20	100	5500	14.0	13.5	13.0	13.0	16.0
	116	5580	14.0	13.5	13.0	13.0	16.0
	120	5600	14.0	13.5	13.0	13.0	16.0
	124	5620	14.0	13.5	13.0	13.0	16.0
	132	5660	14.0	13.5	13.0	13.0	16.0
	140	5700	14.0	13.5	13.0	13.0	16.0
	144	5720	14.0	13.5	13.0	13.0	16.0
802.11n HT40	102	5510	14.0	13.5	13.0	13.0	16.0
	110	5550	14.0	13.5	13.0	13.0	16.0
	118	5590	14.0	13.5	13.0	13.0	16.0
	126	5630	14.0	13.5	13.0	13.0	16.0
	134	5670	14.0	13.5	13.0	13.0	16.0
	142	5710	14.0	13.5	13.0	13.0	16.0
802.11ac VHT20	100	5500	14.0	13.5	13.0	13.0	16.0
	116	5580	14.0	13.5	13.0	13.0	16.0
	120	5600	14.0	13.5	13.0	13.0	16.0
	124	5620	14.0	13.5	13.0	13.0	16.0
	132	5660	14.0	13.5	13.0	13.0	16.0
	140	5700	14.0	13.5	13.0	13.0	16.0
	144	5720	14.0	13.5	13.0	13.0	16.0
802.11ac VHT40	102	5510	14.0	13.5	13.0	13.0	16.0
	110	5550	14.0	13.5	13.0	13.0	16.0
	118	5590	14.0	13.5	13.0	13.0	16.0
	126	5630	14.0	13.5	13.0	13.0	16.0
	134	5670	14.0	13.5	13.0	13.0	16.0
	142	5710	14.0	13.5	13.0	13.0	16.0
802.11ac VHT80	106	5530	13.5	13.0	12.5	12.5	15.5
	122	5610	13.5	13.0	12.5	12.5	15.5
	138	5690	13.5	13.0	12.5	12.5	15.5
802.11ac VHT160	114	5570	12.5	12.5	12.5	12.5	15.5
802.11ax HE20	100	5500	14.0	13.5	13.0	13.0	16.0
	116	5580	14.0	13.5	13.0	13.0	16.0
	120	5600	14.0	13.5	13.0	13.0	16.0
	124	5620	14.0	13.5	13.0	13.0	16.0
	132	5660	14.0	13.5	13.0	13.0	16.0
	140	5700	14.0	13.5	13.0	13.0	16.0
	144	5720	14.0	13.5	13.0	13.0	16.0
802.11ax HE40	102	5510	14.0	13.5	13.0	13.0	16.0
	110	5550	14.0	13.5	13.0	13.0	16.0
	118	5590	14.0	13.5	13.0	13.0	16.0
	126	5630	14.0	13.5	13.0	13.0	16.0
	134	5670	14.0	13.5	13.0	13.0	16.0
	142	5710	14.0	13.5	13.0	13.0	16.0
802.11ax HE80	106	5530	13.5	13.0	12.5	12.5	15.5
	122	5610	13.5	13.0	12.5	12.5	15.5
	138	5690	13.5	13.0	12.5	12.5	15.5
802.11ax HE160	114	5570	12.5	12.5	12.5	12.5	15.5

Tune-up Power (Full)							
WLAN 5.8GHz							
Mode	Channel	Frequency	SISO Ant 0 Max Tune up	SISO Ant 1 Max Tune up	MIMO Ant 0 Tune up	MIMO Ant 1 Tune up	MIMO Ant 0+1 Max Tune up
802.11a	149	5745	14.5	14.0	13.5	13.5	16.5
	153	5765	14.5	14.0	13.5	13.5	16.5
	157	5785	14.5	14.0	13.5	13.5	16.5
	161	5805	14.5	14.0	13.5	13.5	16.5
	165	5825	14.5	14.0	13.5	13.5	16.5
802.11n HT20	149	5745	14.5	14.0	13.5	13.5	16.5
	153	5765	14.5	14.0	13.5	13.5	16.5
	157	5785	14.5	14.0	13.5	13.5	16.5
	161	5805	14.5	14.0	13.5	13.5	16.5
	165	5825	14.5	14.0	13.5	13.5	16.5
802.11n HT40	151	5755	14.0	13.5	13.0	13.0	16.0
	159	5795	14.0	13.5	13.0	13.0	16.0
802.11ac VHT80	155	5775	14.0	13.5	13.0	13.0	16.0
802.11ax HE20	149	5745	14.5	14.0	13.5	13.5	16.5
	153	5765	14.5	14.0	13.5	13.5	16.5
	157	5785	14.5	14.0	13.5	13.5	16.5
	161	5805	14.5	14.0	13.5	13.5	16.5
	165	5825	14.5	14.0	13.5	13.5	16.5
802.11ax HE40	151	5755	14.0	13.5	13.0	13.0	16.0
	159	5795	14.0	13.5	13.0	13.0	16.0
802.11ax HE80	155	5775	14.0	13.5	13.0	13.0	16.0

Tune-up Power (Full)							
WLAN 5.9GHz							
Mode	Channel	Frequency	SISO Max Tune up	SISO Max Tune up	MIMO Tune up	MIMO Tune up	MIMO Max Tune up
802.11a	169	5845	14.0	14.0	14.0	14.0	17.0
	173	5865	14.0	14.0	14.0	14.0	17.0
	177	5885	14.0	14.0	14.0	14.0	17.0
802.11n HT20	169	5845	14.0	14.0	14.0	14.0	17.0
	173	5865	14.0	14.0	14.0	14.0	17.0
	177	5885	14.0	14.0	14.0	14.0	17.0
802.11n HT40	167	5835	16.5	14.5	14.5	14.5	17.5
	175	5875	16.5	14.5	14.5	14.5	17.5
802.11ac VHT80	171	5855	16.0	14.0	14.0	14.0	17.0
802.11ax HE20	169	5845	14.5	14.5	14.5	14.5	17.5
	173	5865	14.5	14.5	14.5	14.5	17.5
	177	5885	14.5	14.5	14.5	14.5	17.5
802.11ax HE40	167	5835	16.5	14.5	14.5	14.5	17.5
	175	5875	16.5	14.5	14.5	14.5	17.5
802.11ax HE80	171	5855	16.5	14.5	14.5	14.5	17.5

Tune-up Power (Full)							
UNII-5							
Mode	Channel	Frequency	SISO Ant 0 Max Tune up	SISO Ant 1 Max Tune up	MIMO Ant 0 Tune up	MIMO Ant 1 Tune up	MIMO Ant 0+1 Max Tune up
802.11ax HE20	1	5955	1.0	1.0	1.0	1.0	4.0
	5	5975	1.0	1.0	1.0	1.0	4.0
	9	5995	1.0	1.0	1.0	1.0	4.0
	13	6015	1.0	1.0	1.0	1.0	4.0
	17	6035	1.0	1.0	1.0	1.0	4.0
	21	6055	1.0	1.0	1.0	1.0	4.0
	25	6075	1.0	1.0	1.0	1.0	4.0
	29	6095	1.0	1.0	1.0	1.0	4.0
	33	6115	1.0	1.0	1.0	1.0	4.0
	37	6135	1.0	1.0	1.0	1.0	4.0
	41	6155	1.0	1.0	1.0	1.0	4.0
	45	6175	1.0	1.0	1.0	1.0	4.0
	49	6195	1.0	1.0	1.0	1.0	4.0
	53	6215	1.0	1.0	1.0	1.0	4.0
	57	6235	1.0	1.0	1.0	1.0	4.0
	61	6255	1.0	1.0	1.0	1.0	4.0
	65	6275	1.0	1.0	1.0	1.0	4.0
	69	6295	1.0	1.0	1.0	1.0	4.0
	73	6315	1.0	1.0	1.0	1.0	4.0
	77	6335	1.0	1.0	1.0	1.0	4.0
	81	6355	1.0	1.0	1.0	1.0	4.0
	85	6375	1.0	1.0	1.0	1.0	4.0
	89	6395	1.0	1.0	1.0	1.0	4.0
	93	6415	1.0	1.0	1.0	1.0	4.0

Tune-up Power (Full)							
UNII-5							
Mode	Channel	Frequency	SISO Ant 0 Max Tune up	SISO Ant 1 Max Tune up	MIMO Ant 0 Tune up	MIMO Ant 1 Tune up	MIMO Ant 0+1 Max Tune up
802.11ax HE40	3	5965	3.5	3.5	3.5	3.5	6.5
	11	6005	3.5	3.5	3.5	3.5	6.5
	19	6045	3.5	3.5	3.5	3.5	6.5
	27	6085	3.5	3.5	3.5	3.5	6.5
	35	6125	3.5	3.5	3.5	3.5	6.5
	43	6165	3.5	3.5	3.5	3.5	6.5
	51	6205	3.5	3.5	3.5	3.5	6.5
	59	6245	3.5	3.5	3.5	3.5	6.5
	67	6285	3.5	3.5	3.5	3.5	6.5
	75	6325	3.5	3.5	3.5	3.5	6.5
	83	6365	3.5	3.5	3.5	3.5	6.5
	91	6405	3.5	3.5	3.5	3.5	6.5
802.11ax HE80	7	5985	7.0	7.0	7.0	7.0	10.0
	23	6065	7.0	7.0	7.0	7.0	10.0
	39	6145	7.0	7.0	7.0	7.0	10.0
	55	6225	7.0	7.0	7.0	7.0	10.0
	71	6305	7.0	7.0	7.0	7.0	10.0
	87	6385	7.0	7.0	7.0	7.0	10.0
802.11ax HE160	15	6025	12.0	12.0	9.0	9.0	12.0
	47	6185	12.0	12.0	9.0	9.0	12.0
	79	6345	12.0	12.0	9.0	9.0	12.0

Tune-up Power (Full)							
UNII-6							
Mode	Channel	Frequency	SISO Ant 0 Max Tune up	SISO Ant 1 Max Tune up	MIMO Ant 0 Tune up	MIMO Ant 1 Tune up	MIMO Ant 0+1 Max Tune up
802.11ax HE20	97	6435	1.5	1.5	1.5	1.5	4.5
	101	6455	1.5	1.5	1.5	1.5	4.5
	105	6475	1.5	1.5	1.5	1.5	4.5
	109	6495	1.5	1.5	1.5	1.5	4.5
	113	6515	1.5	1.5	1.5	1.5	4.5
	117	6535	1.5	1.5	1.5	1.5	4.5
802.11ax HE40	99	6445	4.0	4.0	4.0	4.0	7.0
	107	6485	4.0	4.0	4.0	4.0	7.0
	115	6525	4.0	4.0	4.0	4.0	7.0
802.11ax HE80	103	6465	7.0	7.0	7.0	7.0	10.0
	119	6545	7.0	7.0	7.0	7.0	10.0
802.11ax HE160	111	6505	12.0	12.0	9.0	9.0	12.0

Tune-up Power (Full)							
UNII-7							
Mode	Channel	Frequency	SISO Ant 0 Max Tune up	SISO Ant 1 Max Tune up	MIMO Ant 0 Tune up	MIMO Ant 1 Tune up	MIMO Ant 0+1 Max Tune up
802.11ax HE20	121	6555	1.5	1.5	1.5	1.5	4.5
	125	6575	1.5	1.5	1.5	1.5	4.5
	129	6595	1.5	1.5	1.5	1.5	4.5
	133	6615	1.5	1.5	1.5	1.5	4.5
	137	6635	1.5	1.5	1.5	1.5	4.5
	141	6655	1.5	1.5	1.5	1.5	4.5
	145	6675	1.5	1.5	1.5	1.5	4.5
	149	6695	1.5	1.5	1.5	1.5	4.5
	153	6715	1.5	1.5	1.5	1.5	4.5
	157	6735	1.5	1.5	1.5	1.5	4.5
	161	6755	1.5	1.5	1.5	1.5	4.5
	165	6775	1.5	1.5	1.5	1.5	4.5
	169	6795	1.5	1.5	1.5	1.5	4.5
	173	6815	1.5	1.5	1.5	1.5	4.5
	177	6835	1.5	1.5	1.5	1.5	4.5
	181	6855	1.5	1.5	1.5	1.5	4.5
	185	6875	2.0	2.0	2.0	2.0	5.0
802.11ax HE40	123	6565	4.0	4.0	4.0	4.0	7.0
	131	6605	4.0	4.0	4.0	4.0	7.0
	139	6645	4.0	4.0	4.0	4.0	7.0
	147	6685	4.0	4.0	4.0	4.0	7.0
	155	6725	4.0	4.0	4.0	4.0	7.0
	163	6765	4.0	4.0	4.0	4.0	7.0
	171	6805	4.0	4.0	4.0	4.0	7.0
	179	6845	4.0	4.0	4.0	4.0	7.0
	187	6885	4.5	4.5	4.5	4.5	7.5
802.11ax HE80	135	6625	7.0	7.0	7.0	7.0	10.0
	151	6705	7.0	7.0	7.0	7.0	10.0
	167	6785	7.0	7.0	7.0	7.0	10.0
	183	6865	7.0	7.0	7.0	7.0	10.0
802.11ax HE160	143	6665	12.0	12.0	9.0	9.0	12.0
	175	6825	12.0	12.0	9.0	9.0	12.0

Tune-up Power (Full)							
UNII-8							
Mode	Channel	Frequency	SISO Ant 0 Max Tune up	SISO Ant 1 Max Tune up	MIMO Ant 0 Tune up	MIMO Ant 1 Tune up	MIMO Ant 0+1 Max Tune up
802.11ax HE20	189	6895	2.0	2.0	2.0	2.0	5.0
	193	6915	2.0	2.0	2.0	2.0	5.0
	197	6935	2.0	2.0	2.0	2.0	5.0
	201	6955	2.0	2.0	2.0	2.0	5.0
	205	6975	2.0	2.0	2.0	2.0	5.0
	209	6995	2.0	2.0	2.0	2.0	5.0
	213	7015	2.0	2.0	2.0	2.0	5.0
	217	7035	2.0	2.0	2.0	2.0	5.0
	221	7055	2.0	2.0	2.0	2.0	5.0
	225	7075	2.0	2.0	2.0	2.0	5.0
	229	7095	2.0	2.0	2.0	2.0	5.0
	233	7115	2.0	2.0	2.0	2.0	5.0
802.11ax HE40	195	6925	4.5	4.5	4.5	4.5	7.5
	203	6965	4.5	4.5	4.5	4.5	7.5
	211	7005	4.5	4.5	4.5	4.5	7.5
	219	7045	4.5	4.5	4.5	4.5	7.5
	227	7085	4.5	4.5	4.5	4.5	7.5
802.11ax HE80	199	6945	7.5	7.5	7.5	7.5	10.5
	215	7025	7.5	7.5	7.5	7.5	10.5
802.11ax HE160	207	6985	12.0	12.0	9.0	9.0	12.0

Appendix E. Measured Conducted Power Result

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

Conducted Power (Full)			
WLAN2.4GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11b	1	2412	17.72
	6	2437	17.68
	11	2462	17.39
	12	2467	14.98
	13	2472	13.49
802.11g	1	2412	17.65
	6	2437	17.71
	11	2462	17.63
	12	2467	14.25
	13	2472	11.23
802.11n HT20	1	2412	17.27
	6	2437	17.65
	11	2462	16.65
	12	2467	13.68
	13	2472	9.12
802.11n HT40	3	2422	14.63
	6	2437	17.61
	9	2452	14.64
	10	2457	11.8
	11	2462	9.62
802.11ax HE20	1	2412	17.11
	6	2437	17.68
	11	2462	17.16
	12	2467	13.61
	13	2472	9.67
802.11ax HE40	3	2422	14.63
	6	2437	17.68
	9	2452	14.77
	10	2457	12.16
	11	2462	9.31

Conducted Power (Full)			
WLAN2.4GHz Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11b	1	2412	17.73
	6	2437	17.71
	11	2462	17.5
	12	2467	14.69
	13	2472	13.36
802.11g	1	2412	17.62
	6	2437	17.71
	11	2462	17.64
	12	2467	14.29
	13	2472	11.16
802.11n HT20	1	2412	17.13
	6	2437	17.66
	11	2462	16.76
	12	2467	13.61
	13	2472	9.18
802.11n HT40	3	2422	14.67
	6	2437	17.67
	9	2452	14.7
	10	2457	11.8
	11	2462	9.65
802.11ax HE20	1	2412	17.17
	6	2437	17.69
	11	2462	17.11
	12	2467	13.6
	13	2472	9.62
802.11ax HE40	3	2422	14.68
	6	2437	17.7
	9	2452	14.74
	10	2457	12.11
	11	2462	9.7

Conducted Power (Full)					
WLAN2.4GHz Ant 0+1					
Mode	Channel	Frequency	MIMO Ant 0 Avg. Power	MIMO Ant 1 Avg. Power	MIMO Ant 0+1 Avg. Power
802.11b	1	2412	14.92	14.93	17.94
	6	2437	14.51	14.54	17.54
	11	2462	14.53	14.56	17.56
	12	2467	13.21	14.74	17.05
	13	2472	11.75	13.44	15.69
802.11g	1	2412	14.7	14.62	17.67
	6	2437	14.64	14.64	17.65
	11	2462	14.52	14.61	17.58
	12	2467	14.14	14.18	17.17
	13	2472	11.1	11.25	14.19
802.11n HT20	1	2412	14.54	14.6	17.58
	6	2437	14.5	14.54	17.53
	11	2462	14.54	14.5	17.53
	12	2467	13.71	13.7	16.72
	13	2472	9.29	9.28	12.30
802.11n HT40	3	2422	14.77	14.77	17.78
	6	2437	14.6	14.69	17.66
	9	2452	14.79	14.75	17.78
	10	2457	11.76	11.73	14.76
	11	2462	9.74	9.72	12.74
802.11ax HE20	1	2412	14.55	14.66	17.62
	6	2437	14.52	14.7	17.62
	11	2462	14.56	14.5	17.54
	12	2467	13.71	13.61	16.67
	13	2472	9.75	9.67	12.72
802.11ax HE40	3	2422	14.66	14.78	17.73
	6	2437	14.7	14.5	17.61
	9	2452	14.79	14.75	17.78
	10	2457	12.13	12.24	15.20
	11	2462	9.73	9.68	12.72

Conducted Power (Full)			
Bluetooth Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
BR / EDR	0	2402	11.49
	39	2441	11.46
	78	2480	11.44
LE	0	2402	10.55
	19	2440	10.47
	39	2480	10.45

Conducted Power (Full)			
WLAN 5.3GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	52	5260	15.06
	56	5280	15.14
	60	5300	15.16
	64	5320	15.14
802.11n HT20	52	5260	15.07
	56	5280	15.15
	60	5300	15.01
	64	5320	15.04
802.11n HT40	54	5270	15.26
	62	5310	15.11
802.11ac VHT80	58	5290	14.38
802.11ac VHT160	50	5250	13.36
802.11ax HE20	52	5260	15.2
	56	5280	15.19
	60	5300	15.1
	64	5320	15.06
802.11ax HE40	54	5270	15.1
	62	5310	15.13
802.11ax HE80	58	5290	14.15
802.11ax HE160	50	5250	13.2

Conducted Power (Full)			
WLAN 5.3GHz Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11a	52	5260	13.51
	56	5280	13.63
	60	5300	13.68
	64	5320	13.5
802.11n HT20	52	5260	13.51
	56	5280	13.69
	60	5300	13.64
	64	5320	13.54
802.11n HT40	54	5270	13.74
	62	5310	13.55
802.11ac VHT80	58	5290	13.31
802.11ac VHT160	50	5250	13.29
802.11ax HE20	52	5260	13.63
	56	5280	13.5
	60	5300	13.66
	64	5320	13.58
802.11ax HE40	54	5270	13.65
	62	5310	13.6
802.11ax HE80	58	5290	13.35
802.11ax HE160	50	5250	13.29

Conducted Power (Full)					
WLAN 5.3GHz Ant 0+1					
Mode	Channel	Frequency	MIMO Ant 0 Avg. Power	MIMO Ant 1 Avg. Power	MIMO Ant 0+1 Avg. Power
802.11a	52	5260	13.58	13.51	16.56
	56	5280	13.51	13.68	16.61
	60	5300	13.62	13.52	16.58
	64	5320	13.56	13.54	16.56
802.11n HT20	52	5260	13.6	13.57	16.6
	56	5280	13.63	13.59	16.62
	60	5300	13.53	13.67	16.61
	64	5320	13.54	13.68	16.62
802.11n HT40	54	5270	13.88	13.35	16.63
	62	5310	13.94	13.05	16.53
802.11ac VHT80	58	5290	13.59	13.41	16.31
802.11ac VHT160	50	5250	11.79	13.19	15.56
802.11ax HE20	52	5260	13.57	13.52	16.56
	56	5280	13.59	13.59	16.6
	60	5300	13.66	13.52	16.6
	64	5320	13.67	13.53	16.61
802.11ax HE40	54	5270	13.65	13.44	16.56
	62	5310	13.54	13.65	16.61
802.11ax HE80	58	5290	13.57	13.62	16.38
802.11ax HE160	50	5250	11.75	13.26	15.58

Conducted Power (Full)			
WLAN 5.6GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	100	5500	13.7
	116	5580	13.54
	120	5600	13.58
	124	5620	13.66
	132	5660	13.63
	140	5700	13.68
	144	5720	13.52
802.11n HT20	100	5500	13.61
	116	5580	13.53
	120	5600	13.54
	124	5620	13.51
	132	5660	13.51
	140	5700	13.61
	144	5720	13.69
802.11n HT40	102	5510	13.81
	110	5550	13.62
	118	5590	13.48
	126	5630	13.52
	134	5670	13.67
	142	5710	13.96
802.11ac VHT80	106	5530	13.28
	122	5610	13.21
	138	5690	13.38
802.11ac VHT160	114	5570	12.18
802.11ax HE20	100	5500	13.53
	116	5580	13.54
	120	5600	13.53
	124	5620	13.57
	132	5660	13.62
	140	5700	13.67
	144	5720	13.56
802.11ax HE40	102	5510	13.54
	110	5550	13.58
	118	5590	13.59
	126	5630	13.62
	134	5670	13.7
	142	5710	13.64
802.11ax HE80	106	5530	13.28
	122	5610	13.33
	138	5690	13.42
802.11ax HE160	114	5570	12.26

Conducted Power (Full)			
WLAN 5.6GHz Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11a	100	5500	13.18
	116	5580	13.1
	120	5600	13.2
	124	5620	13.09
	132	5660	13.2
	140	5700	13.19
	144	5720	13.19
802.11n HT20	100	5500	13.09
	116	5580	13.04
	120	5600	13.11
	124	5620	13.08
	132	5660	13.09
	140	5700	13
	144	5720	13.15
802.11n HT40	102	5510	13.42
	110	5550	13.35
	118	5590	13.22
	126	5630	13.31
	134	5670	13.44
	142	5710	13.49
802.11ac VHT80	106	5530	12.78
	122	5610	12.73
	138	5690	12.88
802.11ac VHT160	114	5570	12.13
802.11ax HE20	100	5500	13.19
	116	5580	13.08
	120	5600	13.1
	124	5620	13.03
	132	5660	13.03
	140	5700	13.15
	144	5720	13.01
802.11ax HE40	102	5510	13
	110	5550	13.09
	118	5590	13.12
	126	5630	13.07
	134	5670	13.08
	142	5710	13.01
802.11ax HE80	106	5530	12.83
	122	5610	12.75
	138	5690	12.91
802.11ax HE160	114	5570	12.24

Conducted Power (Full)					
WLAN 5.6GHz Ant 0+1					
Mode	Channel	Frequency	MIMO Ant 0 Avg. Power	MIMO Ant 1 Avg. Power	MIMO Ant 0+1 Avg. Power
802.11a	100	5500	12.67	12.56	15.63
	116	5580	12.68	12.7	15.7
	120	5600	12.62	12.69	15.67
	124	5620	12.62	12.52	15.58
	132	5660	12.51	12.56	15.55
	140	5700	12.57	12.59	15.59
	144	5720	12.59	12.64	15.63
802.11n HT20	100	5500	12.63	12.5	15.58
	116	5580	12.59	12.65	15.63
	120	5600	12.64	12.65	15.66
	124	5620	12.69	12.54	15.63
	132	5660	12.69	12.52	15.62
	140	5700	12.5	12.69	15.61
	144	5720	12.63	12.6	15.63
802.11n HT40	102	5510	12.78	12.35	15.58
	110	5550	12.83	12.41	15.64
	118	5590	12.71	12.29	15.52
	126	5630	12.66	12.27	15.48
	134	5670	12.74	12.33	15.55
	142	5710	12.99	12.55	15.79
802.11ac VHT80	106	5530	12.3	12.44	15.38
	122	5610	12.38	12.36	15.38
	138	5690	12.3	12.34	15.33
802.11ac VHT160	114	5570	12.18	12.27	15.24
802.11ax HE20	100	5500	12.7	12.65	15.69
	116	5580	12.61	12.57	15.6
	120	5600	12.68	12.61	15.66
	124	5620	12.6	12.53	15.58
	132	5660	12.58	12.58	15.59
	140	5700	12.67	12.5	15.6
	144	5720	12.69	12.7	15.71
802.11ax HE40	102	5510	12.57	12.65	15.62
	110	5550	12.6	12.64	15.63
	118	5590	12.58	12.51	15.56
	126	5630	12.64	12.53	15.6
	134	5670	12.57	12.55	15.57
	142	5710	12.58	12.6	15.6
802.11ax HE80	106	5530	12.36	12.35	15.37
	122	5610	12.3	12.41	15.37
	138	5690	12.35	12.43	15.4
802.11ax HE160	114	5570	12.13	12.25	15.2

Conducted Power (Full)			
WLAN 5.8GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	149	5745	14.31
	153	5765	14.38
	157	5785	14.41
	161	5805	14.35
	165	5825	14.42
802.11n HT20	149	5745	14.19
	153	5765	14
	157	5785	14.16
	161	5805	14.19
	165	5825	14.05
802.11n HT40	151	5755	13.89
	159	5795	13.75
802.11ac VHT80	155	5775	13.73
802.11ax HE20	149	5745	14.12
	153	5765	14.04
	157	5785	14.05
	161	5805	14.18
	165	5825	14
802.11ax HE40	151	5755	13.85
	159	5795	13.81
802.11ax HE80	155	5775	13.91

Conducted Power (Full)			
WLAN 5.8GHz Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11a	149	5745	13.76
	153	5765	13.83
	157	5785	13.81
	161	5805	13.88
	165	5825	13.94
802.11n HT20	149	5745	13.61
	153	5765	13.52
	157	5785	13.59
	161	5805	13.66
	165	5825	13.66
802.11n HT40	151	5755	13.31
	159	5795	13.47
802.11ac VHT80	155	5775	13.33
802.11ax HE20	149	5745	13.57
	153	5765	13.62
	157	5785	13.51
	161	5805	13.6
	165	5825	13.57
802.11ax HE40	151	5755	13.45
	159	5795	13.45
802.11ax HE80	155	5775	13.41

Conducted Power (Full)					
WLAN 5.8GHz Ant 0+1					
Mode	Channel	Frequency	MIMO Ant 0 Avg. Power	MIMO Ant 1 Avg. Power	MIMO Ant 0+1 Avg. Power
802.11a	149	5745	13.33	13.25	16.3
	153	5765	13.38	13.18	16.29
	157	5785	13.18	13.01	16.11
	161	5805	13.25	13.03	16.15
	165	5825	13.49	13.33	16.42
802.11n HT20	149	5745	13.1	13.19	16.16
	153	5765	13.01	13.15	16.09
	157	5785	13.08	13.08	16.09
	161	5805	13.06	13.2	16.14
	165	5825	13.09	13.13	16.12
802.11n HT40	151	5755	12.95	12.96	15.97
	159	5795	12.81	12.91	15.87
802.11ac VHT80	155	5775	12.91	12.82	15.88
802.11ax HE20	149	5745	13	13.17	16.1
	153	5765	13.05	13.07	16.07
	157	5785	13.03	13.16	16.11
	161	5805	13.15	13.05	16.11
	165	5825	13.13	13.01	16.08
802.11ax HE40	151	5755	12.89	12.81	15.86
	159	5795	12.94	12.9	15.93
802.11ax HE80	155	5775	12.98	12.84	15.92

Conducted Power (Full)			
WLAN 5.9GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	169	5845	13.63
	173	5865	13.8
	177	5885	13.61
802.11n HT20	169	5845	13.68
	173	5865	13.78
	177	5885	13.7
802.11n HT40	167	5835	16
	175	5875	16.2
802.11ac VHT80	171	5855	16.02
802.11ax HE20	169	5845	14.3
	173	5865	14.13
	177	5885	14.29
802.11ax HE40	167	5835	16.14
	175	5875	16.11
802.11ax HE80	171	5855	16.39

Conducted Power (Full)			
WLAN 5.9GHz Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11a	169	5845	13.64
	173	5865	13.77
	177	5885	13.62
802.11n HT20	169	5845	13.71
	173	5865	13.77
	177	5885	13.76
802.11n HT40	167	5835	14.16
	175	5875	14.1
802.11ac VHT80	171	5855	**14.07**
802.11ax HE20	169	5845	14.3
	173	5865	14.2
	177	5885	14.27
802.11ax HE40	167	5835	14.11
	175	5875	14.04
802.11ax HE80	171	5855	**14.49**

Conducted Power (Full)					
WLAN 5.9GHz Ant 0+1					
Mode	Channel	Frequency	MIMO Ant 0 Avg. Power	MIMO Ant 1 Avg. Power	MIMO Ant 0+1 Avg. Power
802.11a	169	5845	13.73	13.66	16.71
	173	5865	13.77	13.76	16.78
	177	5885	13.69	13.77	16.74
802.11n HT20	169	5845	13.77	13.73	16.76
	173	5865	13.61	13.8	16.72
	177	5885	13.65	13.7	16.69
802.11n HT40	167	5835	14.16	14.2	17.19
	175	5875	14.02	14.1	17.07
802.11ac VHT80	171	5855	14	14.01	**17.02**
802.11ax HE20	169	5845	14.13	14.21	17.18
	173	5865	14.25	14.14	17.21
	177	5885	14.16	14.22	17.2
802.11ax HE40	167	5835	14.15	14.06	17.12
	175	5875	14	14.09	17.06
802.11ax HE80	171	5855	14.87	14.06	17.49

Conducted Power (Full)			
UNII-5 Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11ax HE20	1	5955	0.66
	5	5975	0.7
	9	5995	0.68
	13	6015	0.65
	17	6035	0.65
	21	6055	0.67
	25	6075	0.65
	29	6095	0.68
	33	6115	0.62
	37	6135	0.61
	41	6155	0.68
	45	6175	0.68
	49	6195	0.65
	53	6215	0.64
	57	6235	0.68
	61	6255	0.64
	65	6275	0.67
	69	6295	0.61
	73	6315	0.66
	77	6335	0.63
	81	6355	0.68
	85	6375	0.64
	89	6395	0.66
	93	6415	0.64

Conducted Power (Full)			
UNII-5 Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11ax HE40	3	5965	3.1
	11	6005	3.16
	19	6045	3.21
	27	6085	3.3
	35	6125	3.12
	43	6165	3.11
	51	6205	3.29
	59	6245	3.19
	67	6285	3.21
	75	6325	3.16
	83	6365	3.23
	91	6405	3.12
802.11ax HE80	7	5985	6.75
	23	6065	6.7
	39	6145	6.73
	55	6225	6.64
	71	6305	6.66
	87	6385	6.74
802.11ax HE160	15	6025	11.81
	47	6185	11.75
	79	6345	11.79

Conducted Power (Full)			
UNII-5 Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11ax HE20	1	5955	0.6
	5	5975	0.63
	9	5995	0.62
	13	6015	0.68
	17	6035	0.67
	21	6055	0.65
	25	6075	0.66
	29	6095	0.64
	33	6115	0.68
	37	6135	0.7
	41	6155	0.63
	45	6175	0.68
	49	6195	0.65
	53	6215	0.68
	57	6235	0.62
	61	6255	0.6
	65	6275	0.65
	69	6295	0.6
	73	6315	0.67
	77	6335	0.64
	81	6355	0.69
	85	6375	0.63
	89	6395	0.64
	93	6415	0.6

Conducted Power (Full)			
UNII-5 Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11ax HE40	3	5965	3.26
	11	6005	3.3
	19	6045	3.2
	27	6085	3.22
	35	6125	3.12
	43	6165	3.24
	51	6205	3.15
	59	6245	3.3
	67	6285	3.18
	75	6325	3.21
	83	6365	3.19
	91	6405	3.27
802.11ax HE80	7	5985	6.71
	23	6065	6.65
	39	6145	6.73
	55	6225	6.65
	71	6305	6.61
	87	6385	6.65
802.11ax HE160	15	6025	11.9
	47	6185	11.71
	79	6345	11.76

Conducted Power (Full)					
UNII-5 Ant 0+1					
Mode	Channel	Frequency	MIMO Ant 0 Avg. Power	MIMO Ant 1 Avg. Power	MIMO Ant 0+1 Avg. Power
802.11ax HE20	1	5955	0.62	0.63	3.64
	5	5975	0.65	0.69	3.68
	9	5995	0.61	0.69	3.66
	13	6015	0.63	0.69	3.67
	17	6035	0.66	0.61	3.65
	21	6055	0.67	0.68	3.69
	25	6075	0.69	0.68	3.7
	29	6095	0.67	0.6	3.65
	33	6115	0.63	0.7	3.68
	37	6135	0.64	0.66	3.66
	41	6155	0.68	0.65	3.68
	45	6175	0.7	0.6	3.66
	49	6195	0.63	0.62	3.64
	53	6215	0.63	0.65	3.65
	57	6235	0.66	0.66	3.67
	61	6255	0.65	0.7	3.69
	65	6275	0.64	0.69	3.68
	69	6295	0.65	0.6	3.64
	73	6315	0.67	0.6	3.65
	77	6335	0.69	0.67	3.69
	81	6355	0.64	0.66	3.66
	85	6375	0.61	0.62	3.63
	89	6395	0.64	0.65	3.66
	93	6415	0.64	0.7	3.68

Conducted Power (Full)					
UNII-5 Ant 0+1					
Mode	Channel	Frequency	MIMO Ant 0 Avg. Power	MIMO Ant 1 Avg. Power	MIMO Ant 0+1 Avg. Power
802.11ax HE40	3	5965	3.26	3.21	6.25
	11	6005	3.12	3.29	6.22
	19	6045	3.15	3.2	6.19
	27	6085	3.29	3.19	6.25
	35	6125	3.28	3.25	6.28
	43	6165	3.23	3.3	6.28
	51	6205	3.15	3.11	6.14
	59	6245	3.16	3.12	6.15
	67	6285	3.3	3.22	6.27
	75	6325	3.19	3.2	6.21
	83	6365	3.21	3.29	6.26
	91	6405	3.27	3.13	6.21
802.11ax HE80	7	5985	6.66	6.7	9.69
	23	6065	6.65	6.76	9.72
	39	6145	6.72	6.68	9.71
	55	6225	6.69	6.66	9.69
	71	6305	6.68	6.74	9.72
	87	6385	6.7	6.79	9.76
802.11ax HE160	15	6025	8.38	8.95	11.68
	47	6185	8.74	8.51	11.64
	79	6345	8.58	8.77	11.69

Conducted Power (Full)			
UNII-6 Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11ax HE20	97	6435	1.1
	101	6455	1.24
	105	6475	1.13
	109	6495	1.28
	113	6515	1.15
	117	6535	1.24
802.11ax HE40	99	6445	3.78
	107	6485	3.61
	115	6525	3.6
802.11ax HE80	103	6465	6.72
	119	6545	6.68
802.11ax HE160	111	6505	11.85

Conducted Power (Full)			
UNII-6 Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11ax HE20	97	6435	1.3
	101	6455	1.15
	105	6475	1.12
	109	6495	1.22
	113	6515	1.26
	117	6535	1.28
802.11ax HE40	99	6445	3.72
	107	6485	3.72
	115	6525	3.73
802.11ax HE80	103	6465	6.7
	119	6545	6.67
802.11ax HE160	111	6505	11.94

Conducted Power (Full)					
UNII-6 Ant 0+1					
Mode	Channel	Frequency	MIMO Ant 0 Avg. Power	MIMO Ant 1 Avg. Power	MIMO Ant 0+1 Avg. Power
802.11ax HE20	97	6435	1.2	1.12	4.17
	101	6455	1.28	1.22	4.26
	105	6475	1.12	1.11	4.13
	109	6495	1.15	1.25	4.21
	113	6515	1.28	1.27	4.29
	117	6535	1.3	1.1	4.21
802.11ax HE40	99	6445	3.73	3.65	6.7
	107	6485	3.76	3.61	6.7
	115	6525	3.65	3.63	6.65
802.11ax HE80	103	6465	6.68	6.71	9.71
	119	6545	6.8	6.73	9.78
802.11ax HE160	111	6505	8.88	8.51	11.71

Conducted Power (Full)			
UNII-7 Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11ax HE20	121	6555	1.12
	125	6575	1.11
	129	6595	1.23
	133	6615	1.22
	137	6635	1.28
	141	6655	1.23
	145	6675	1.19
	149	6695	1.17
	153	6715	1.3
	157	6735	1.17
	161	6755	1.23
	165	6775	1.1
	169	6795	1.2
	173	6815	1.23
	177	6835	1.17
	181	6855	1.18
	185	6875	1.62
802.11ax HE40	123	6565	3.8
	131	6605	3.77
	139	6645	3.72
	147	6685	3.8
	155	6725	3.77
	163	6765	3.68
	171	6805	3.78
	179	6845	3.75
	187	6885	4.24
802.11ax HE80	135	6625	6.65
	151	6705	6.62
	167	6785	6.62
	183	6865	6.71
802.11ax HE160	143	6665	11.84
	175	6825	11.82

Conducted Power (Full)			
UNII-7 Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11ax HE20	121	6555	1.27
	125	6575	1.27
	129	6595	1.25
	133	6615	1.21
	137	6635	1.19
	141	6655	1.18
	145	6675	1.26
	149	6695	1.2
	153	6715	1.24
	157	6735	1.1
	161	6755	1.23
	165	6775	1.13
	169	6795	1.26
	173	6815	1.13
	177	6835	1.17
	181	6855	1.11
	185	6875	1.74
802.11ax HE40	123	6565	3.78
	131	6605	3.8
	139	6645	3.61
	147	6685	3.63
	155	6725	3.63
	163	6765	3.6
	171	6805	3.62
	179	6845	3.62
	187	6885	4.24
802.11ax HE80	135	6625	6.79
	151	6705	6.63
	167	6785	6.75
	183	6865	6.73
802.11ax HE160	143	6665	11.88
	175	6825	11.85

Conducted Power (Full)					
UNII-7 Ant 0+1					
Mode	Channel	Frequency	MIMO Ant 0 Avg. Power	MIMO Ant 1 Avg. Power	MIMO Ant 0+1 Avg. Power
802.11ax HE20	121	6555	1.22	1.14	4.19
	125	6575	1.26	1.29	4.29
	129	6595	1.12	1.26	4.2
	133	6615	1.13	1.26	4.21
	137	6635	1.25	1.21	4.24
	141	6655	1.16	1.19	4.19
	145	6675	1.23	1.13	4.19
	149	6695	1.2	1.13	4.18
	153	6715	1.17	1.17	4.18
	157	6735	1.19	1.19	4.2
	161	6755	1.1	1.1	4.11
	165	6775	1.25	1.2	4.24
	169	6795	1.11	1.26	4.2
	173	6815	1.13	1.13	4.14
	177	6835	1.11	1.26	4.2
	181	6855	1.14	1.17	4.17
	185	6875	1.72	1.66	4.7
802.11ax HE40	123	6565	3.76	3.7	6.74
	131	6605	3.66	3.68	6.68
	139	6645	3.78	3.79	6.8
	147	6685	3.8	3.7	6.76
	155	6725	3.7	3.66	6.69
	163	6765	3.7	3.63	6.68
	171	6805	3.62	3.8	6.72
	179	6845	3.66	3.64	6.66
	187	6885	4.15	4.17	7.17
802.11ax HE80	135	6625	6.66	6.69	9.69
	151	6705	6.7	6.67	9.7
	167	6785	6.75	6.79	9.78
	183	6865	6.7	6.7	9.71
802.11ax HE160	143	6665	8.55	8.81	11.69
	175	6825	8.44	8.62	11.54

Conducted Power (Full)			
UNII-8 Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11ax HE20	189	6895	1.73
	193	6915	1.78
	197	6935	1.71
	201	6955	1.69
	205	6975	1.63
	209	6995	1.71
	213	7015	1.73
	217	7035	1.73
	221	7055	1.75
	225	7075	1.61
	229	7095	1.74
	233	7115	1.61
802.11ax HE40	195	6925	4.13
	203	6965	4.23
	211	7005	4.18
	219	7045	4.19
	227	7085	4.12
802.11ax HE80	199	6945	7.24
	215	7025	7.25
802.11ax HE160	207	6985	11.78

Conducted Power (Full)			
UNII-8 Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11ax HE20	189	6895	1.73
	193	6915	1.61
	197	6935	1.62
	201	6955	1.67
	205	6975	1.62
	209	6995	1.62
	213	7015	1.74
	217	7035	1.61
	221	7055	1.62
	225	7075	1.7
	229	7095	1.7
	233	7115	1.69
802.11ax HE40	195	6925	4.21
	203	6965	4.17
	211	7005	4.22
	219	7045	4.21
	227	7085	4.1
802.11ax HE80	199	6945	7.16
	215	7025	7.27
802.11ax HE160	207	6985	11.93

Conducted Power (Full)					
UNII-8 Ant 0+1					
Mode	Channel	Frequency	MIMO Ant 0 Avg. Power	MIMO Ant 1 Avg. Power	MIMO Ant 0+1 Avg. Power
802.11ax HE20	189	6895	1.76	1.67	4.73
	193	6915	1.6	1.74	4.68
	197	6935	1.75	1.72	4.75
	201	6955	1.61	1.72	4.68
	205	6975	1.68	1.72	4.71
	209	6995	1.76	1.72	4.75
	213	7015	1.74	1.74	4.75
	217	7035	1.78	1.78	4.79
	221	7055	1.78	1.7	4.75
	225	7075	1.68	1.75	4.73
	229	7095	1.6	1.68	4.65
	233	7115	1.62	1.77	4.71
802.11ax HE40	195	6925	4.15	4.29	7.23
	203	6965	4.17	4.21	7.2
	211	7005	4.14	4.29	7.23
	219	7045	4.1	4.2	7.16
	227	7085	4.24	4.28	7.27
802.11ax HE80	199	6945	7.21	7.12	10.18
	215	7025	7.12	7.3	10.22
802.11ax HE160	207	6985	8.21	9.09	11.68

Appendix F. SAR and Incident Power Density Test Result

SAR Results for Body / Extremity 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 Apr. 2021 TCB Workshop U-NII 6-7G interim procedures, the incident power density were performed with the highest SAR configuration on U-NII 6-7G bands 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	Rear Face	0	1	1	Ant 0	100.00	1.00	18.00	17.72	1.07	-0.19	0.167	0.18
	WLAN2.4G	802.11b	Rear Curve	0	1	1	Ant 0	100.00	1.00	18.00	17.72	1.07	-0.17	0.334	0.36
	WLAN2.4G	802.11b	Bottom Side	0	1	1	Ant 0	100.00	1.00	18.00	17.72	1.07	-0.08	0.827	0.88
	WLAN2.4G	802.11b	Rear Face	0	1	1	Ant 1	100.00	1.00	18.00	17.73	1.06	0.15	0.256	0.27
	WLAN2.4G	802.11b	Rear Curve	0	1	1	Ant 1	100.00	1.00	18.00	17.73	1.06	-0.09	0.404	0.43
	WLAN2.4G	802.11b	Bottom Side	0	1	1	Ant 1	100.00	1.00	18.00	17.73	1.06	-0.02	0.73	0.77
	WLAN2.4G	802.11b	Rear Face	0	1	1	Ant 0+1	100.00	1.00	18.00	17.94	1.01	-0.13	0.124	0.13
	WLAN2.4G	802.11b	Rear Curve	0	1	1	Ant 0+1	100.00	1.00	18.00	17.94	1.01	0.01	0.275	0.28
	WLAN2.4G	802.11b	Bottom Side	0	1	1	Ant 0+1	100.00	1.00	18.00	17.94	1.01	0.16	0.801	0.81
	WLAN2.4G	802.11b	Bottom Side	0	6	1	Ant 0	100.00	1.00	18.00	17.68	1.08	0.03	0.691	0.75
	WLAN2.4G	802.11b	Bottom Side	0	11	1	Ant 0	100.00	1.00	17.50	17.39	1.03	-0.06	0.852	0.88
	WLAN2.4G	802.11b	Bottom Side	0	12	1	Ant 0	100.00	1.00	15.00	14.98	1.00	0.12	0.312	0.31
	WLAN2.4G	802.11b	Bottom Side	0	13	1	Ant 0	100.00	1.00	13.50	13.49	1.00	0.05	0.254	0.25
	WLAN2.4G	802.11b	Bottom Side	0	6	1	Ant 0+1	100.00	1.00	18.00	17.54	1.11	-0.19	0.701	0.78
1	WLAN2.4G	802.11b	Bottom Side	0	11	1	Ant 0+1	100.00	1.00	18.00	17.56	1.11	-0.04	0.878	0.97
	WLAN2.4G	802.11b	Bottom Side	0	12	1	Ant 0+1	100.00	1.00	18.00	17.05	1.24	0.15	0.356	0.44
	WLAN2.4G	802.11b	Bottom Side	0	13	1	Ant 0+1	100.00	1.00	16.50	15.69	1.21	-0.12	0.261	0.32
	WLAN2.4G	802.11b	Bottom Side	0	11	2	Ant 0+1	100.00	1.00	18.00	17.56	1.11	-0.04	0.795	0.88
	WLAN2.4G	802.11b	Bottom Side	0	1	2	Ant 0+1	100.00	1.00	18.00	17.94	1.01	0.06	0.765	0.77
	WLAN2.4G	802.11b	Bottom Side	0	6	2	Ant 0+1	100.00	1.00	18.00	17.54	1.11	-0.05	0.655	0.73
	WLAN2.4G	802.11b	Bottom Side	0	12	2	Ant 0+1	100.00	1.00	18.00	17.05	1.24	0.12	0.323	0.40
	WLAN2.4G	802.11b	Bottom Side	0	13	2	Ant 0+1	100.00	1.00	16.50	15.69	1.21	-0.04	0.232	0.28
	WLAN2.4G	802.11b	Bottom Side	0	11	1	Ant 0+1	100.00	1.00	18.00	17.56	1.11	-0.04	0.872	0.97
	WLAN5.3G	802.11n HT40	Rear Face	0	54	1	Ant 0	100.00	1.00	15.50	15.26	1.06	0.02	0.332	0.35
	WLAN5.3G	802.11n HT40	Rear Curve	0	54	1	Ant 0	100.00	1.00	15.50	15.26	1.06	0.17	0.741	0.79
2	WLAN5.3G	802.11n HT40	Bottom Side	0	54	1	Ant 0	100.00	1.00	15.50	15.26	1.06	0.01	1.1	1.17
	WLAN5.3G	802.11n HT40	Rear Face	0	54	1	Ant 1	100.00	1.00	14.00	13.74	1.06	-0.18	0.204	0.22
	WLAN5.3G	802.11n HT40	Rear Curve	0	54	1	Ant 1	100.00	1.00	14.00	13.74	1.06	0.17	0.542	0.57
	WLAN5.3G	802.11n HT40	Bottom Side	0	54	1	Ant 1	100.00	1.00	14.00	13.74	1.06	-0.1	1.08	1.14
	WLAN5.3G	802.11n HT40	Rear Face	0	54	1	Ant 0+1	100.00	1.00	17.00	16.63	1.09	-0.05	0.27	0.29
	WLAN5.3G	802.11n HT40	Rear Curve	0	54	1	Ant 0+1	100.00	1.00	17.00	16.63	1.09	-0.07	0.548	0.60
	WLAN5.3G	802.11n HT40	Bottom Side	0	54	1	Ant 0+1	100.00	1.00	17.00	16.63	1.09	-0.19	1.05	1.14
	WLAN5.3G	802.11n HT40	Bottom Side	0	62	1	Ant 0	100.00	1.00	15.50	15.11	1.09	-0.09	1.02	1.11
	WLAN5.3G	802.11n HT40	Bottom Side	0	62	1	Ant 1	100.00	1.00	14.00	13.55	1.11	-0.06	1.01	1.12
	WLAN5.3G	802.11n HT40	Bottom Side	0	62	1	Ant 0+1	100.00	1.00	17.00	16.53	1.11	0.03	0.982	1.09
	WLAN5.3G	802.11n HT40	Bottom Side	0	54	2	Ant 0	100.00	1.00	15.50	15.26	1.06	-0.16	1.01	1.07
	WLAN5.3G	802.11n HT40	Bottom Side	0	62	2	Ant 0	100.00	1.00	15.50	15.11	1.09	0.12	0.973	1.06
	WLAN5.3G	802.11n HT40	Bottom Side	0	54	1	Ant 0	100.00	1.00	15.50	15.26	1.06	0.01	1.02	1.08

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)
	WLAN5.6G	802.11n HT40	Rear Face	0	142	1	Ant 0	100.00	1.00	14.00	13.96	1.01	0.11	0.301	0.30
	WLAN5.6G	802.11n HT40	Rear Curve	0	142	1	Ant 0	100.00	1.00	14.00	13.96	1.01	-0.11	0.735	0.74
	WLAN5.6G	802.11n HT40	Bottom Side	0	142	1	Ant 0	100.00	1.00	14.00	13.96	1.01	-0.1	1.1	1.11
	WLAN5.6G	802.11n HT40	Rear Face	0	142	1	Ant 1	100.00	1.00	13.50	13.49	1.00	0.06	0.259	0.26
	WLAN5.6G	802.11n HT40	Rear Curve	0	142	1	Ant 1	100.00	1.00	13.50	13.49	1.00	-0.05	0.465	0.47
	WLAN5.6G	802.11n HT40	Bottom Side	0	142	1	Ant 1	100.00	1.00	13.50	13.49	1.00	-0.04	1.12	1.12
	WLAN5.6G	802.11n HT40	Rear Face	0	142	1	Ant 0+1	100.00	1.00	16.00	15.79	1.05	0.16	0.334	0.35
	WLAN5.6G	802.11n HT40	Rear Curve	0	142	1	Ant 0+1	100.00	1.00	16.00	15.79	1.05	-0.02	0.541	0.57
3	WLAN5.6G	802.11n HT40	Bottom Side	0	142	1	Ant 0+1	100.00	1.00	16.00	15.79	1.05	0.12	1.08	1.13
	WLAN5.6G	802.11n HT40	Bottom Side	0	102	1	Ant 0	100.00	1.00	14.00	13.81	1.04	0.08	0.32	0.33
	WLAN5.6G	802.11n HT40	Bottom Side	0	110	1	Ant 0	100.00	1.00	14.00	13.62	1.09	-0.09	0.851	0.93
	WLAN5.6G	802.11n HT40	Bottom Side	0	118	1	Ant 0	100.00	1.00	14.00	13.48	1.13	0.06	0.675	0.76
	WLAN5.6G	802.11n HT40	Bottom Side	0	126	1	Ant 0	100.00	1.00	14.00	13.52	1.12	0.14	0.88	0.99
	WLAN5.6G	802.11n HT40	Bottom Side	0	134	1	Ant 0	100.00	1.00	14.00	13.67	1.08	0.1	0.664	0.72
	WLAN5.6G	802.11n HT40	Bottom Side	0	102	1	Ant 1	100.00	1.00	13.50	13.42	1.02	0.1	0.326	0.33
	WLAN5.6G	802.11n HT40	Bottom Side	0	110	1	Ant 1	100.00	1.00	13.50	13.35	1.04	0.03	0.866	0.90
	WLAN5.6G	802.11n HT40	Bottom Side	0	118	1	Ant 1	100.00	1.00	13.50	13.22	1.07	0.05	0.687	0.74
	WLAN5.6G	802.11n HT40	Bottom Side	0	126	1	Ant 1	100.00	1.00	13.50	13.31	1.04	-0.04	0.896	0.93
	WLAN5.6G	802.11n HT40	Bottom Side	0	134	1	Ant 1	100.00	1.00	13.50	13.44	1.01	-0.09	0.676	0.68
	WLAN5.6G	802.11n HT40	Bottom Side	0	102	1	Ant 0+1	100.00	1.00	16.00	15.58	1.10	-0.1	0.315	0.35
	WLAN5.6G	802.11n HT40	Bottom Side	0	110	1	Ant 0+1	100.00	1.00	16.00	15.64	1.09	-0.17	0.836	0.91
	WLAN5.6G	802.11n HT40	Bottom Side	0	118	1	Ant 0+1	100.00	1.00	16.00	15.52	1.12	0.09	0.663	0.74
	WLAN5.6G	802.11n HT40	Bottom Side	0	126	1	Ant 0+1	100.00	1.00	16.00	15.48	1.13	-0.04	0.864	0.98
	WLAN5.6G	802.11n HT40	Bottom Side	0	134	1	Ant 0+1	100.00	1.00	16.00	15.55	1.11	0.04	0.652	0.72
	WLAN5.6G	802.11n HT40	Bottom Side	0	142	2	Ant 0+1	100.00	1.00	16.00	15.79	1.05	-0.17	0.979	1.03
	WLAN5.6G	802.11n HT40	Bottom Side	0	102	2	Ant 0+1	100.00	1.00	16.00	15.58	1.10	0.17	0.285	0.31
	WLAN5.6G	802.11n HT40	Bottom Side	0	110	2	Ant 0+1	100.00	1.00	16.00	15.64	1.09	0.07	0.757	0.83
	WLAN5.6G	802.11n HT40	Bottom Side	0	118	2	Ant 0+1	100.00	1.00	16.00	15.52	1.12	0.02	0.6	0.67
	WLAN5.6G	802.11n HT40	Bottom Side	0	126	2	Ant 0+1	100.00	1.00	16.00	15.48	1.13	-0.13	0.783	0.88
	WLAN5.6G	802.11n HT40	Bottom Side	0	134	2	Ant 0+1	100.00	1.00	16.00	15.55	1.11	0.01	0.591	0.66
	WLAN5.6G	802.11n HT40	Bottom Side	0	142	1	Ant 0+1	100.00	1.00	16.00	15.79	1.05	0.12	1.01	1.06

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	802.11a	Rear Face	0	165	1	Ant 0	100.00	1.00	14.50	14.42	1.02	0.11	0.385	0.39
	WLAN5.8G	802.11a	Rear Curve	0	165	1	Ant 0	100.00	1.00	14.50	14.42	1.02	0.05	0.969	0.99
	WLAN5.8G	802.11a	Bottom Side	0	165	1	Ant 0	100.00	1.00	14.50	14.42	1.02	-0.04	1.09	1.11
	WLAN5.8G	802.11a	Rear Face	0	165	1	Ant 1	100.00	1.00	14.00	13.94	1.01	0.05	0.22	0.22
	WLAN5.8G	802.11a	Rear Curve	0	165	1	Ant 1	100.00	1.00	14.00	13.94	1.01	-0.17	0.489	0.49
	WLAN5.8G	802.11a	Bottom Side	0	165	1	Ant 1	100.00	1.00	14.00	13.94	1.01	-0.01	1.11	1.12
	WLAN5.8G	802.11a	Rear Face	0	165	1	Ant 0+1	100.00	1.00	16.50	16.42	1.02	-0.04	0.334	0.34
	WLAN5.8G	802.11a	Rear Curve	0	165	1	Ant 0+1	100.00	1.00	16.50	16.42	1.02	0.09	0.745	0.76
	WLAN5.8G	802.11a	Bottom Side	0	165	1	Ant 0+1	100.00	1.00	16.50	16.42	1.02	-0.07	1.07	1.09
	WLAN5.8G	802.11a	Rear Curve	0	149	1	Ant 0	100.00	1.00	14.50	14.31	1.04	0.03	0.836	0.87
	WLAN5.8G	802.11a	Rear Curve	0	153	1	Ant 0	100.00	1.00	14.50	14.38	1.03	-0.11	0.907	0.93
	WLAN5.8G	802.11a	Rear Curve	0	157	1	Ant 0	100.00	1.00	14.50	14.41	1.02	0.05	0.773	0.79
	WLAN5.8G	802.11a	Rear Curve	0	161	1	Ant 0	100.00	1.00	14.50	14.35	1.04	0.01	0.747	0.78
	WLAN5.8G	802.11a	Bottom Side	0	149	1	Ant 0	100.00	1.00	14.50	14.31	1.04	0.03	0.958	1.00
	WLAN5.8G	802.11a	Bottom Side	0	153	1	Ant 0	100.00	1.00	14.50	14.38	1.03	-0.15	1.04	1.07
	WLAN5.8G	802.11a	Bottom Side	0	157	1	Ant 0	100.00	1.00	14.50	14.41	1.02	0.01	0.886	0.90
	WLAN5.8G	802.11a	Bottom Side	0	161	1	Ant 0	100.00	1.00	14.50	14.35	1.04	-0.07	0.856	0.89
	WLAN5.8G	802.11a	Bottom Side	0	149	1	Ant 1	100.00	1.00	14.00	13.76	1.06	0.02	1.04	1.10
4	WLAN5.8G	802.11a	Bottom Side	0	153	1	Ant 1	100.00	1.00	14.00	13.83	1.04	-0.06	1.11	1.15
	WLAN5.8G	802.11a	Bottom Side	0	157	1	Ant 1	100.00	1.00	14.00	13.81	1.04	0.18	0.886	0.92
	WLAN5.8G	802.11a	Bottom Side	0	161	1	Ant 1	100.00	1.00	14.00	13.88	1.03	0.13	0.856	0.88
	WLAN5.8G	802.11a	Bottom Side	0	149	1	Ant 0+1	100.00	1.00	16.50	16.30	1.05	-0.06	0.923	0.97
	WLAN5.8G	802.11a	Bottom Side	0	153	1	Ant 0+1	100.00	1.00	16.50	16.29	1.05	0.07	1.01	1.06
	WLAN5.8G	802.11a	Bottom Side	0	157	1	Ant 0+1	100.00	1.00	16.50	16.11	1.09	-0.12	0.854	0.93
	WLAN5.8G	802.11a	Bottom Side	0	161	1	Ant 0+1	100.00	1.00	16.50	16.15	1.08	0.03	0.825	0.89
	WLAN5.8G	802.11a	Bottom Side	0	153	2	Ant 1	100.00	1.00	14.00	13.83	1.04	0.15	1.07	1.11
	WLAN5.8G	802.11a	Bottom Side	0	149	1	Ant 1	100.00	1.00	14.00	13.76	1.06	0.04	0.837	0.89
	WLAN5.8G	802.11a	Bottom Side	0	157	1	Ant 1	100.00	1.00	14.00	13.81	1.04	-0.06	0.811	0.84
	WLAN5.8G	802.11a	Bottom Side	0	161	1	Ant 1	100.00	1.00	14.00	13.88	1.03	0.07	0.843	0.87
	WLAN5.8G	802.11a	Bottom Side	0	165	1	Ant 1	100.00	1.00	14.00	13.94	1.01	0.18	0.829	0.84
	WLAN5.8G	802.11a	Bottom Side	0	153	1	Ant 1	100.00	1.00	14.00	13.83	1.04	-0.06	1.03	1.07

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)
	WLAN5.9G	802.11ax HE80	Rear Face	0	171	1	Ant 0	100.00	1.00	16.50	16.39	1.03	0.02	0.309	0.32
	WLAN5.9G	802.11ax HE80	Rear Curve	0	171	1	Ant 0	100.00	1.00	16.50	16.39	1.03	0.19	0.797	0.82
5	WLAN5.9G	802.11ax HE80	Bottom Side	0	171	1	Ant 0	100.00	1.00	16.50	16.39	1.03	-0.02	1.16	1.19
	WLAN5.9G	802.11ax HE80	Rear Face	0	171	1	Ant 1	100.00	1.00	14.50	14.49	1.00	0.13	0.313	0.31
	WLAN5.9G	802.11ax HE80	Rear Curve	0	171	1	Ant 1	100.00	1.00	14.50	14.49	1.00	0.02	0.772	0.77
	WLAN5.9G	802.11ax HE80	Bottom Side	0	171	1	Ant 1	100.00	1.00	14.50	14.49	1.00	-0.02	1.15	1.15
	WLAN5.9G	802.11ax HE80	Rear Face	0	171	1	Ant 0+1	100.00	1.00	17.50	17.49	1.00	-0.11	0.294	0.29
	WLAN5.9G	802.11ax HE80	Rear Curve	0	171	1	Ant 0+1	100.00	1.00	17.50	17.49	1.00	-0.08	0.684	0.68
	WLAN5.9G	802.11ax HE80	Bottom Side	0	171	1	Ant 0+1	100.00	1.00	17.50	17.49	1.00	-0.04	1.11	1.11
	WLAN5.9G	802.11ax HE80	Bottom Side	0	171	2	Ant 0	100.00	1.00	16.50	16.39	1.03	-0.15	0.995	1.02
	WLAN5.9G	802.11ax HE80	Bottom Side	0	171	1	Ant 0	100.00	1.00	16.50	16.39	1.03	-0.02	1.04	1.07
	BT	BDR	Rear Face	0	0	1	Ant 1	76.80	1.30	11.50	11.49	1.00	0	<0.001	0.00
	BT	BDR	Rear Curve	0	0	1	Ant 1	76.80	1.30	11.50	11.49	1.00	0.06	0.114	0.15
	BT	BDR	Bottom Side	0	0	1	Ant 1	76.80	1.30	11.50	11.49	1.00	0.04	0.134	0.17
	BT	BDR	Bottom Side	0	39	1	Ant 1	76.80	1.30	11.50	11.46	1.01	0.17	0.094	0.12
6	BT	BDR	Bottom Side	0	78	1	Ant 1	76.80	1.30	11.50	11.44	1.01	-0.1	0.182	0.24
	BT	BDR	Bottom Side	0	78	2	Ant 1	76.80	1.30	11.50	11.44	1.01	0.11	0.158	0.21

Extremity 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-10g (W/kg)	Scaled SAR-10g (W/kg)
	WLAN2.4G	802.11b	Front Face	0	1	1	Ant 0	100.00	1.00	18.00	17.72	1.07	0.01	0.254	0.27
	WLAN2.4G	802.11b	Rear Face	0	1	1	Ant 0	100.00	1.00	18.00	17.72	1.07	-0.19	0.091	0.10
	WLAN2.4G	802.11b	Left Side	0	1	1	Ant 0	100.00	1.00	18.00	17.72	1.07	0.04	0.013	0.01
	WLAN2.4G	802.11b	Right Side	0	1	1	Ant 0	100.00	1.00	18.00	17.72	1.07	0.18	0.017	0.02
	WLAN2.4G	802.11b	Top Side	0	1	1	Ant 0	100.00	1.00	18.00	17.72	1.07	0	<0.001	0.00
	WLAN2.4G	802.11b	Bottom Side	0	1	1	Ant 0	100.00	1.00	18.00	17.72	1.07	-0.08	0.335	0.36
	WLAN2.4G	802.11b	Front Face	0	1	1	Ant 1	100.00	1.00	18.00	17.73	1.06	-0.11	0.274	0.29
	WLAN2.4G	802.11b	Rear Face	0	1	1	Ant 1	100.00	1.00	18.00	17.73	1.06	0.15	0.129	0.14
	WLAN2.4G	802.11b	Left Side	0	1	1	Ant 1	100.00	1.00	18.00	17.73	1.06	0	<0.001	0.00
	WLAN2.4G	802.11b	Right Side	0	1	1	Ant 1	100.00	1.00	18.00	17.73	1.06	0.03	0.029	0.03
	WLAN2.4G	802.11b	Top Side	0	1	1	Ant 1	100.00	1.00	18.00	17.73	1.06	0	<0.001	0.00
	WLAN2.4G	802.11b	Bottom Side	0	1	1	Ant 1	100.00	1.00	18.00	17.73	1.06	-0.02	0.287	0.30
	WLAN2.4G	802.11b	Front Face	0	1	1	Ant 0+1	100.00	1.00	18.00	17.94	1.01	-0.15	0.263	0.27
	WLAN2.4G	802.11b	Rear Face	0	1	1	Ant 0+1	100.00	1.00	18.00	17.94	1.01	-0.13	0.069	0.07
	WLAN2.4G	802.11b	Left Side	0	1	1	Ant 0+1	100.00	1.00	18.00	17.94	1.01	0	<0.001	0.00
	WLAN2.4G	802.11b	Right Side	0	1	1	Ant 0+1	100.00	1.00	18.00	17.94	1.01	0.02	0.035	0.04
	WLAN2.4G	802.11b	Top Side	0	1	1	Ant 0+1	100.00	1.00	18.00	17.94	1.01	0	<0.001	0.00
	WLAN2.4G	802.11b	Bottom Side	0	1	1	Ant 0+1	100.00	1.00	18.00	17.94	1.01	-0.02	0.307	0.31
	WLAN2.4G	802.11b	Bottom Side	0	6	1	Ant 0+1	100.00	1.00	18.00	17.54	1.11	-0.19	0.316	0.35
7	WLAN2.4G	802.11b	Bottom Side	0	11	1	Ant 0+1	100.00	1.00	18.00	17.56	1.11	-0.04	0.401	0.45
	WLAN2.4G	802.11b	Bottom Side	0	12	1	Ant 0+1	100.00	1.00	18.00	17.05	1.24	0.15	0.156	0.19
	WLAN2.4G	802.11b	Bottom Side	0	13	1	Ant 0+1	100.00	1.00	16.50	15.69	1.21	-0.12	0.115	0.14
	WLAN2.4G	802.11b	Bottom Side	0	11	2	Ant 0+1	100.00	1.00	18.00	17.56	1.11	-0.04	0.387	0.43

Extremity 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-10g (W/kg)	Scaled SAR-10g (W/kg)
	WLAN5.3G	802.11n HT40	Front Face	0	54	1	Ant 0	100.00	1.00	15.50	15.26	1.06	-0.18	0.131	0.14
	WLAN5.3G	802.11n HT40	Rear Face	0	54	1	Ant 0	100.00	1.00	15.50	15.26	1.06	0.02	0.111	0.12
	WLAN5.3G	802.11n HT40	Left Side	0	54	1	Ant 0	100.00	1.00	15.50	15.26	1.06	0	<0.001	0.00
	WLAN5.3G	802.11n HT40	Right Side	0	54	1	Ant 0	100.00	1.00	15.50	15.26	1.06	0	<0.001	0.00
	WLAN5.3G	802.11n HT40	Top Side	0	54	1	Ant 0	100.00	1.00	15.50	15.26	1.06	0	<0.001	0.00
8	WLAN5.3G	802.11n HT40	Bottom Side	0	54	1	Ant 0	100.00	1.00	15.50	15.26	1.06	0.01	0.346	0.37
	WLAN5.3G	802.11n HT40	Front Face	0	54	1	Ant 1	100.00	1.00	14.00	13.74	1.06	-0.14	0.163	0.17
	WLAN5.3G	802.11n HT40	Rear Face	0	54	1	Ant 1	100.00	1.00	14.00	13.74	1.06	-0.18	0.077	0.08
	WLAN5.3G	802.11n HT40	Left Side	0	54	1	Ant 1	100.00	1.00	14.00	13.74	1.06	0	<0.001	0.00
	WLAN5.3G	802.11n HT40	Right Side	0	54	1	Ant 1	100.00	1.00	14.00	13.74	1.06	-0.06	0.013	0.01
	WLAN5.3G	802.11n HT40	Top Side	0	54	1	Ant 1	100.00	1.00	14.00	13.74	1.06	0	<0.001	0.00
	WLAN5.3G	802.11n HT40	Bottom Side	0	54	1	Ant 1	100.00	1.00	14.00	13.74	1.06	-0.1	0.345	0.37
	WLAN5.3G	802.11n HT40	Front Face	0	54	1	Ant 0+1	100.00	1.00	17.00	16.63	1.09	0.08	0.136	0.15
	WLAN5.3G	802.11n HT40	Rear Face	0	54	1	Ant 0+1	100.00	1.00	17.00	16.63	1.09	-0.05	0.108	0.12
	WLAN5.3G	802.11n HT40	Left Side	0	54	1	Ant 0+1	100.00	1.00	17.00	16.63	1.09	0	<0.001	0.00
	WLAN5.3G	802.11n HT40	Right Side	0	54	1	Ant 0+1	100.00	1.00	17.00	16.63	1.09	-0.15	0.011	0.01
	WLAN5.3G	802.11n HT40	Top Side	0	54	1	Ant 0+1	100.00	1.00	17.00	16.63	1.09	0	<0.001	0.00
	WLAN5.3G	802.11n HT40	Bottom Side	0	54	1	Ant 0+1	100.00	1.00	17.00	16.63	1.09	-0.19	0.343	0.37
	WLAN5.3G	802.11n HT40	Bottom Side	0	62	1	Ant 0	100.00	1.00	15.50	15.11	1.09	-0.09	0.323	0.35
	WLAN5.3G	802.11n HT40	Bottom Side	0	54	2	Ant 0	100.00	1.00	15.50	15.26	1.06	-0.16	0.338	0.36

Extremity 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-10g (W/kg)	Scaled SAR-10g (W/kg)
	WLAN5.6G	802.11n HT40	Front Face	0	142	1	Ant 0	100.00	1.00	14.00	13.96	1.01	-0.12	0.169	0.17
	WLAN5.6G	802.11n HT40	Rear Face	0	142	1	Ant 0	100.00	1.00	14.00	13.96	1.01	0.11	0.113	0.11
	WLAN5.6G	802.11n HT40	Left Side	0	142	1	Ant 0	100.00	1.00	14.00	13.96	1.01	0	<0.001	0.00
	WLAN5.6G	802.11n HT40	Right Side	0	142	1	Ant 0	100.00	1.00	14.00	13.96	1.01	0	<0.001	0.00
	WLAN5.6G	802.11n HT40	Top Side	0	142	1	Ant 0	100.00	1.00	14.00	13.96	1.01	0	<0.001	0.00
	WLAN5.6G	802.11n HT40	Bottom Side	0	142	1	Ant 0	100.00	1.00	14.00	13.96	1.01	-0.1	0.366	0.37
	WLAN5.6G	802.11n HT40	Front Face	0	142	1	Ant 1	100.00	1.00	13.50	13.49	1.00	-0.04	0.141	0.14
	WLAN5.6G	802.11n HT40	Rear Face	0	142	1	Ant 1	100.00	1.00	13.50	13.49	1.00	0.06	0.092	0.09
	WLAN5.6G	802.11n HT40	Left Side	0	142	1	Ant 1	100.00	1.00	13.50	13.49	1.00	0.07	0.014	0.01
	WLAN5.6G	802.11n HT40	Right Side	0	142	1	Ant 1	100.00	1.00	13.50	13.49	1.00	-0.05	0.011	0.01
	WLAN5.6G	802.11n HT40	Top Side	0	142	1	Ant 1	100.00	1.00	13.50	13.49	1.00	0	<0.001	0.00
	WLAN5.6G	802.11n HT40	Bottom Side	0	142	1	Ant 1	100.00	1.00	13.50	13.49	1.00	-0.04	0.353	0.35
	WLAN5.6G	802.11n HT40	Front Face	0	142	1	Ant 0+1	100.00	1.00	16.00	15.79	1.05	-0.04	0.181	0.19
	WLAN5.6G	802.11n HT40	Rear Face	0	142	1	Ant 0+1	100.00	1.00	16.00	15.79	1.05	0.16	0.123	0.13
	WLAN5.6G	802.11n HT40	Left Side	0	142	1	Ant 0+1	100.00	1.00	16.00	15.79	1.05	0.01	0.012	0.01
	WLAN5.6G	802.11n HT40	Right Side	0	142	1	Ant 0+1	100.00	1.00	16.00	15.79	1.05	0.05	0.009	0.01
	WLAN5.6G	802.11n HT40	Top Side	0	142	1	Ant 0+1	100.00	1.00	16.00	15.79	1.05	0	<0.001	0.00
9	WLAN5.6G	802.11n HT40	Bottom Side	0	142	1	Ant 0+1	100.00	1.00	16.00	15.79	1.05	0.12	0.384	0.40
	WLAN5.6G	802.11n HT40	Bottom Side	0	102	1	Ant 0+1	100.00	1.00	16.00	15.58	1.10	-0.1	0.111	0.12
	WLAN5.6G	802.11n HT40	Bottom Side	0	110	1	Ant 0+1	100.00	1.00	16.00	15.64	1.09	-0.17	0.265	0.29
	WLAN5.6G	802.11n HT40	Bottom Side	0	118	1	Ant 0+1	100.00	1.00	16.00	15.52	1.12	0.09	0.223	0.25
	WLAN5.6G	802.11n HT40	Bottom Side	0	126	1	Ant 0+1	100.00	1.00	16.00	15.48	1.13	-0.04	0.274	0.31
	WLAN5.6G	802.11n HT40	Bottom Side	0	134	1	Ant 0+1	100.00	1.00	16.00	15.55	1.11	0.04	0.226	0.25
	WLAN5.6G	802.11n HT40	Bottom Side	0	142	2	Ant 0+1	100.00	1.00	16.00	15.79	1.05	-0.17	0.315	0.33

Extremity 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-10g (W/kg)	Scaled SAR-10g (W/kg)
	WLAN5.8G	802.11a	Front Face	0	165	1	Ant 0	100.00	1.00	14.50	14.42	1.02	0.08	0.208	0.21
	WLAN5.8G	802.11a	Rear Face	0	165	1	Ant 0	100.00	1.00	14.50	14.42	1.02	0.11	0.126	0.13
	WLAN5.8G	802.11a	Left Side	0	165	1	Ant 0	100.00	1.00	14.50	14.42	1.02	0	<0.001	0.00
	WLAN5.8G	802.11a	Right Side	0	165	1	Ant 0	100.00	1.00	14.50	14.42	1.02	0	<0.001	0.00
	WLAN5.8G	802.11a	Top Side	0	165	1	Ant 0	100.00	1.00	14.50	14.42	1.02	0	<0.001	0.00
	WLAN5.8G	802.11a	Bottom Side	0	165	1	Ant 0	100.00	1.00	14.50	14.42	1.02	-0.04	0.352	0.36
	WLAN5.8G	802.11a	Front Face	0	165	1	Ant 1	100.00	1.00	14.00	13.94	1.01	-0.15	0.178	0.18
	WLAN5.8G	802.11a	Rear Face	0	165	1	Ant 1	100.00	1.00	14.00	13.94	1.01	0.05	0.083	0.08
	WLAN5.8G	802.11a	Left Side	0	165	1	Ant 1	100.00	1.00	14.00	13.94	1.01	-0.08	0.012	0.01
	WLAN5.8G	802.11a	Right Side	0	165	1	Ant 1	100.00	1.00	14.00	13.94	1.01	-0.03	0.013	0.01
	WLAN5.8G	802.11a	Top Side	0	165	1	Ant 1	100.00	1.00	14.00	13.94	1.01	0	<0.001	0.00
	WLAN5.8G	802.11a	Bottom Side	0	165	1	Ant 1	100.00	1.00	14.00	13.94	1.01	-0.01	0.355	0.36
	WLAN5.8G	802.11a	Front Face	0	165	1	Ant 0+1	100.00	1.00	16.50	16.42	1.02	-0.04	0.179	0.18
	WLAN5.8G	802.11a	Rear Face	0	165	1	Ant 0+1	100.00	1.00	16.50	16.42	1.02	-0.04	0.117	0.12
	WLAN5.8G	802.11a	Left Side	0	165	1	Ant 0+1	100.00	1.00	16.50	16.42	1.02	0.15	0.00887	0.01
	WLAN5.8G	802.11a	Right Side	0	165	1	Ant 0+1	100.00	1.00	16.50	16.42	1.02	0.18	0.015	0.02
	WLAN5.8G	802.11a	Top Side	0	165	1	Ant 0+1	100.00	1.00	16.50	16.42	1.02	0	<0.001	0.00
	WLAN5.8G	802.11a	Bottom Side	0	165	1	Ant 0+1	100.00	1.00	16.50	16.42	1.02	-0.07	0.345	0.35
	WLAN5.8G	802.11a	Bottom Side	0	149	1	Ant 1	100.00	1.00	14.00	13.76	1.06	0.02	0.345	0.37
10	WLAN5.8G	802.11a	Bottom Side	0	153	1	Ant 1	100.00	1.00	14.00	13.83	1.04	-0.06	0.358	0.37
	WLAN5.8G	802.11a	Bottom Side	0	157	1	Ant 1	100.00	1.00	14.00	13.81	1.04	0.18	0.302	0.31
	WLAN5.8G	802.11a	Bottom Side	0	161	1	Ant 1	100.00	1.00	14.00	13.88	1.03	0.13	0.291	0.30
	WLAN5.8G	802.11a	Bottom Side	0	153	2	Ant 1	100.00	1.00	14.00	13.83	1.04	0.15	0.347	0.36

Extremity 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-10g (W/kg)	Scaled SAR-10g (W/kg)
	WLAN5.9G	802.11ax HE80	Front Face	0	171	1	Ant 0	100.00	1.00	16.50	16.39	1.03	-0.18	0.23	0.24
	WLAN5.9G	802.11ax HE80	Rear Face	0	171	1	Ant 0	100.00	1.00	16.50	16.39	1.03	0.02	0.121	0.12
	WLAN5.9G	802.11ax HE80	Left Side	0	171	1	Ant 0	100.00	1.00	16.50	16.39	1.03	0	<0.001	0.00
	WLAN5.9G	802.11ax HE80	Right Side	0	171	1	Ant 0	100.00	1.00	16.50	16.39	1.03	0	<0.001	0.00
	WLAN5.9G	802.11ax HE80	Top Side	0	171	1	Ant 0	100.00	1.00	16.50	16.39	1.03	0	<0.001	0.00
11	WLAN5.9G	802.11ax HE80	Bottom Side	0	171	1	Ant 0	100.00	1.00	16.50	16.39	1.03	-0.02	0.396	0.41
	WLAN5.9G	802.11ax HE80	Front Face	0	171	1	Ant 1	100.00	1.00	14.50	14.49	1.00	0.1	0.178	0.18
	WLAN5.9G	802.11ax HE80	Rear Face	0	171	1	Ant 1	100.00	1.00	14.50	14.49	1.00	0.13	0.098	0.10
	WLAN5.9G	802.11ax HE80	Left Side	0	171	1	Ant 1	100.00	1.00	14.50	14.49	1.00	0.16	0.01	0.01
	WLAN5.9G	802.11ax HE80	Right Side	0	171	1	Ant 1	100.00	1.00	14.50	14.49	1.00	-0.03	0.015	0.02
	WLAN5.9G	802.11ax HE80	Top Side	0	171	1	Ant 1	100.00	1.00	14.50	14.49	1.00	0	<0.001	0.00
	WLAN5.9G	802.11ax HE80	Bottom Side	0	171	1	Ant 1	100.00	1.00	14.50	14.49	1.00	-0.02	0.348	0.35
	WLAN5.9G	802.11ax HE80	Front Face	0	171	1	Ant 0+1	100.00	1.00	17.50	17.49	1.00	-0.13	0.205	0.21
	WLAN5.9G	802.11ax HE80	Rear Face	0	171	1	Ant 0+1	100.00	1.00	17.50	17.49	1.00	-0.11	0.121	0.12
	WLAN5.9G	802.11ax HE80	Left Side	0	171	1	Ant 0+1	100.00	1.00	17.50	17.49	1.00	0	<0.001	0.00
	WLAN5.9G	802.11ax HE80	Right Side	0	171	1	Ant 0+1	100.00	1.00	17.50	17.49	1.00	0.1	0.021	0.02
	WLAN5.9G	802.11ax HE80	Top Side	0	171	1	Ant 0+1	100.00	1.00	17.50	17.49	1.00	0	<0.001	0.00
	WLAN5.9G	802.11ax HE80	Bottom Side	0	171	1	Ant 0+1	100.00	1.00	17.50	17.49	1.00	-0.04	0.394	0.39
	WLAN5.9G	802.11ax HE80	Bottom Side	0	171	2	Ant 0	100.00	1.00	16.50	16.39	1.03	-0.2	0.391	0.40
	BT	BDR	Front Face	0	0	1	Ant 1	76.80	1.30	11.50	11.49	1.00	0.05	0.039	0.05
	BT	BDR	Rear Face	0	0	1	Ant 1	76.80	1.30	11.50	11.49	1.00	0	<0.001	0.00
	BT	BDR	Left Side	0	0	1	Ant 1	76.80	1.30	11.50	11.49	1.00	0	<0.001	0.00
	BT	BDR	Right Side	0	0	1	Ant 1	76.80	1.30	11.50	11.49	1.00	0	<0.001	0.00
	BT	BDR	Top Side	0	0	1	Ant 1	76.80	1.30	11.50	11.49	1.00	0	<0.001	0.00
	BT	BDR	Bottom Side	0	0	1	Ant 1	76.80	1.30	11.50	11.49	1.00	0.04	0.058	0.08
	BT	BDR	Bottom Side	0	39	1	Ant 1	76.80	1.30	11.50	11.46	1.01	0.17	0.038	0.05
12	BT	BDR	Bottom Side	0	78	1	Ant 1	76.80	1.30	11.50	11.44	1.01	-0.1	0.076	0.10
	BT	BDR	Bottom Side	0	78	2	Ant 1	76.80	1.30	11.50	11.44	1.01	0.11	0.072	0.09

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]
	Body																									
	UNII-6	802.11ax HE160	Rear Face	0	111	1	Ant 0	96.40	1.04	12.00	11.85	1.04	-0.17	0.124	0.13	1.2	1.3									
	UNII-6	802.11ax HE160	Rear Curve	0	111	1	Ant 0	96.40	1.04	12.00	11.85	1.04	0.09	0.32	0.35	3.11	3.36									
	UNII-6	802.11ax HE160	Bottom Side	0	111	1	Ant 0	96.40	1.04	12.00	11.85	1.04	0.02	0.423	0.46	4.11	4.45	0.0542	159	1.545	4	-0.02	4.43	7.12	4.8	8.02
	UNII-6	802.11ax HE160	Rear Face	0	111	1	Ant 1	93.50	1.07	12.00	11.94	1.01	0.03	0.099	0.11	0.734	0.79									
	UNII-6	802.11ax HE160	Rear Curve	0	111	1	Ant 1	93.50	1.07	12.00	11.94	1.01	-0.16	0.339	0.37	2.5	2.7									
13	UNII-6	802.11ax HE160	Bottom Side	0	111	1	Ant 1	93.50	1.07	12.00	11.94	1.01	0.03	0.694	0.75	5.11	5.52	0.0542	198	1.545	4	0.11	5.51	9.11	5.98	9.98
	UNII-6	802.11ax HE160	Rear Face	0	111	1	Ant 0+1	91.20	1.10	12.00	11.71	1.07	0.17	0.082	0.10	0.454	0.53									
	UNII-6	802.11ax HE160	Rear Curve	0	111	1	Ant 0+1	91.20	1.10	12.00	11.71	1.07	0.05	0.231	0.27	1.27	1.49									
	UNII-6	802.11ax HE160	Bottom Side	0	111	1	Ant 0+1	91.20	1.10	12.00	11.71	1.07	0.03	0.384	0.45	2.12	2.5	0.0542	82	1.545	4	0.03	2.28	3.87	2.48	4.51
	UNII-5	802.11ax HE160	Bottom Side	0	15	1	Ant 1	93.50	1.07	12.00	11.90	1.02	0.09	0.23	0.25	1.68	1.83									
	UNII-5	802.11ax HE160	Bottom Side	0	47	1	Ant 1	93.50	1.07	12.00	11.71	1.07	0.08	0.36	0.41	2.65	3.03									
	UNII-5	802.11ax HE160	Bottom Side	0	79	1	Ant 1	93.50	1.07	12.00	11.76	1.06	0.11	0.374	0.42	2.75	3.12									
	UNII-7	802.11ax HE160	Bottom Side	0	143	1	Ant 1	93.50	1.07	12.00	11.88	1.03	0.04	0.447	0.49	3.29	3.63	0.0555	128	1.545	4	0.02	3.54	5.85	3.85	6.56
	UNII-7	802.11ax HE160	Bottom Side	0	175	1	Ant 1	93.50	1.07	12.00	11.85	1.04	-0.17	0.4	0.45	2.94	3.27	0.0569	114	1.545	4	0.05	3.17	5.24	3.44	5.91
	UNII-8	802.11ax HE160	Bottom Side	0	207	1	Ant 1	93.50	1.07	12.00	11.93	1.02	-0.18	0.528	0.58	3.89	4.25	0.0582	150	1.545	4	0.18	4.19	6.93	4.54	7.66
	UNII-6	802.11ax HE160	Bottom Side	0	111	2	Ant 1	93.50	1.07	12.00	11.94	1.01	-0.19	0.692	0.75	5.09	5.5									

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-10g (W/kg)	Scaled SAR-10g (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]
	Extremity																									
	UNII-6	802.11ax HE160	Front Face	0	111	1	Ant 0	96.40	1.04	12.00	11.85	1.04	0.11	0.071	0.08	1.78	1.93									
	UNII-6	802.11ax HE160	Rear Face	0	111	1	Ant 0	96.40	1.04	12.00	11.85	1.04	-0.17	0.042	0.05	1.2	1.3									
	UNII-6	802.11ax HE160	Left Side	0	111	1	Ant 0	96.40	1.04	12.00	11.85	1.04	0	<0.001	0.00	0	0									
	UNII-6	802.11ax HE160	Right Side	0	111	1	Ant 0	96.40	1.04	12.00	11.85	1.04	0	<0.001	0.00	0	0									
	UNII-6	802.11ax HE160	Top Side	0	111	1	Ant 0	96.40	1.04	12.00	11.85	1.04	0	<0.001	0.00	0	0									
	UNII-6	802.11ax HE160	Bottom Side	0	111	1	Ant 0	96.40	1.04	12.00	11.85	1.04	0.02	0.123	0.13	4.11	4.45	0.0542	159	1.545	4	-0.02	4.43	7.12	4.8	8.02
	UNII-6	802.11ax HE160	Front Face	0	111	1	Ant 1	93.50	1.07	12.00	11.94	1.01	0.17	0.082	0.09	1.88	2.03									
	UNII-6	802.11ax HE160	Rear Face	0	111	1	Ant 1	93.50	1.07	12.00	11.94	1.01	0.03	0.036	0.04	0.734	0.79									
	UNII-6	802.11ax HE160	Left Side	0	111	1	Ant 1	93.50	1.07	12.00	11.94	1.01	0	<0.001	0.00	0	0									
	UNII-6	802.11ax HE160	Right Side	0	111	1	Ant 1	93.50	1.07	12.00	11.94	1.01	0	<0.001	0.00	0	0									
	UNII-6	802.11ax HE160	Top Side	0	111	1	Ant 1	93.50	1.07	12.00	11.94	1.01	0	<0.001	0.00	0	0									
14	UNII-6	802.11ax HE160	Bottom Side	0	111	1	Ant 1	93.50	1.07	12.00	11.94	1.01	0.03	0.211	0.23	5.11	5.52	0.0542	198	1.545	4	0.11	5.51	9.11	5.98	9.98
	UNII-6	802.11ax HE160	Front Face	0	111	1	Ant 0+1	91.20	1.10	12.00	11.71	1.07	0.09	0.043	0.05	0.919	1.08									
	UNII-6	802.11ax HE160	Rear Face	0	111	1	Ant 0+1	91.20	1.10	12.00	11.71	1.07	0.17	0.028	0.03	0.454	0.53									
	UNII-6	802.11ax HE160	Left Side	0	111	1	Ant 0+1	91.20	1.10	12.00	11.71	1.07	0	<0.001	0.00	0	0									
	UNII-6	802.11ax HE160	Right Side	0	111	1	Ant 0+1	91.20	1.10	12.00	11.71	1.07	0	<0.001	0.00	0	0									
	UNII-6	802.11ax HE160	Top Side	0	111	1	Ant 0+1	91.20	1.10	12.00	11.71	1.07	0	<0.001	0.00	0	0									
	UNII-6	802.11ax HE160	Bottom Side	0	111	1	Ant 0+1	91.20	1.10	12.00	11.71	1.07	0.03	0.113	0.13	2.12	2.5	0.0542	82	1.545	4	0.03	2.28	3.87	2.48	4.51
	UNII-5	802.11ax HE160	Bottom Side	0	15	1	Ant 1	93.50	1.07	12.00	11.90	1.02	0.09	0.075	0.08	1.68	1.83									
	UNII-5	802.11ax HE160	Bottom Side	0	47	1	Ant 1	93.50	1.07	12.00	11.71	1.07	0.08	0.112	0.13	2.65	3.03									
	UNII-5	802.11ax HE160	Bottom Side	0	79	1	Ant 1	93.50	1.07	12.00	11.76	1.06	0.11	0.12	0.14	2.75	3.12									
	UNII-7	802.11ax HE160	Bottom Side	0	143	1	Ant 1	93.50	1.07	12.00	11.88	1.03	0.04	0.146	0.16	3.29	3.63	0.0555	128	1.545	4	0.02	3.54	5.85	3.85	6.56
	UNII-7	802.11ax HE160	Bottom Side	0	175	1	Ant 1	93.50	1.07	12.00	11.85	1.04	-0.17	0.126	0.14	2.94	3.27	0.0569	114	1.545	4	0.05	3.17	5.24	3.44	5.91
	UNII-8	802.11ax HE160	Bottom Side	0	207	1	Ant 1	93.50	1.07	12.00	11.93	1.02	-0.18	0.162	0.18	3.89	4.25	0.0582	150	1.545	4	0.18	4.19	6.93	4.54	7.66
	UNII-6	802.11ax HE160	Bottom Side	0	111	2	Ant 1	93.50	1.07	12.00	11.94	1.01	-0.19	0.206	0.22	5.09	5.5									

Appendix H. Analysis of Simultaneous Transmission.

The analysis of simultaneous transmission SAR are shown as below.

<Possibilities of Simultaneous Transmission>

The simultaneous transmission possibilities for this device are listed as below.

Simultaneous TX Combination	Capable Transmit Configurations	Body Exposure Condition
A	WLAN 2.4G_Ant 0 + BT_Ant 1	Yes
B	WLAN 5G_Ant 1 + BT_Ant 1	Yes
C	WLAN 5G_Ant 0+1 + BT_Ant 1	Yes
D	WLAN 6G_Ant 0 + BT_Ant 1	Yes
E	WLAN 6G_Ant 0+1 + BT_Ant 1	Yes

Notes

1. The WLAN 2.4G and WLAN 5G cannot transmit simultaneously.

Simultaneous Transmission SAR Evaluation_Body										
1	2	3	4	5	6	A(1+6)	B(2+6)	C(3+6)	D(4+6)	E(5+6)
WLAN 2.4GHz Ant 0	**Max WLAN 5GHz Ant 0**	**Max WLAN 5GHz Ant 0+1**	**Max WLAN 6GHz Ant 0**	**Max WLAN 6GHz Ant 0+1**	**Max BT Ant 1**	Summimg result 1g SAR W/kg	Summimg result 1g SAR W/kg	Summimg result 1g SAR W/kg	Summimg result 1g SAR W/kg	Summimg result 1g SAR W/kg
1g SAR W/kg	**1g SAR W/kg**	**1g SAR W/kg**	**1g SAR W/kg**	**1g SAR W/kg**	**1g SAR W/kg**					
0.88	1.19	1.14	0.46	0.45	0.24	1.12	1.43	1.38	0.70	0.69

Simultaneous Transmission SAR Evaluation_Extremity										
1	2	3	4	5	6	A(1+6)	B(2+6)	C(3+6)	D(4+6)	E(5+6)
WLAN 2.4GHz Ant 0	**Max WLAN 5GHz Ant 0**	**Max WLAN 5GHz Ant 0+1**	**Max WLAN 6GHz Ant 0**	**Max WLAN 6GHz Ant 0+1**	**Max BT Ant 1**	Summimg result 10g SAR W/kg	Summimg result 10g SAR W/kg	Summimg result 10g SAR W/kg	Summimg result 10g SAR W/kg	Summimg result 10g SAR W/kg
10g SAR W/kg	**10g SAR W/kg**	**10g SAR W/kg**	**10g SAR W/kg**	**10g SAR W/kg**	**10g SAR W/kg**					
0.36	0.41	0.40	0.13	0.13	0.10	0.46	0.51	0.50	0.23	0.23

FCC_Total Exposure Ratio_Body				
4	5	6	D(4+6)	E(5+6)
Max WLAN 6GHz Ant 0	**Max WLAN 6GHz Ant 0+1**	**Max BT Ant 1**	Total Exposure Ratio	Total Exposure Ratio
4cm^2 W/m^2	**4cm^2 W/m^2**	**1g SAR W/kg**		
8.02	4.51	0.24	0.95	0.60

FCC_Total Exposure Ratio_Extremity				
4	5	6	D(4+6)	E(5+6)
Max WLAN 6GHz Ant 0	**Max WLAN 6GHz Ant 0+1**	**Max BT Ant 1**	Total Exposure Ratio	Total Exposure Ratio
4cm^2 W/m^2	**4cm^2 W/m^2**	**10g SAR W/kg**		
8.02	4.51	0.10	0.83	0.48