Annex 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: 2022/7/17

S01 System Check_H2450_220717

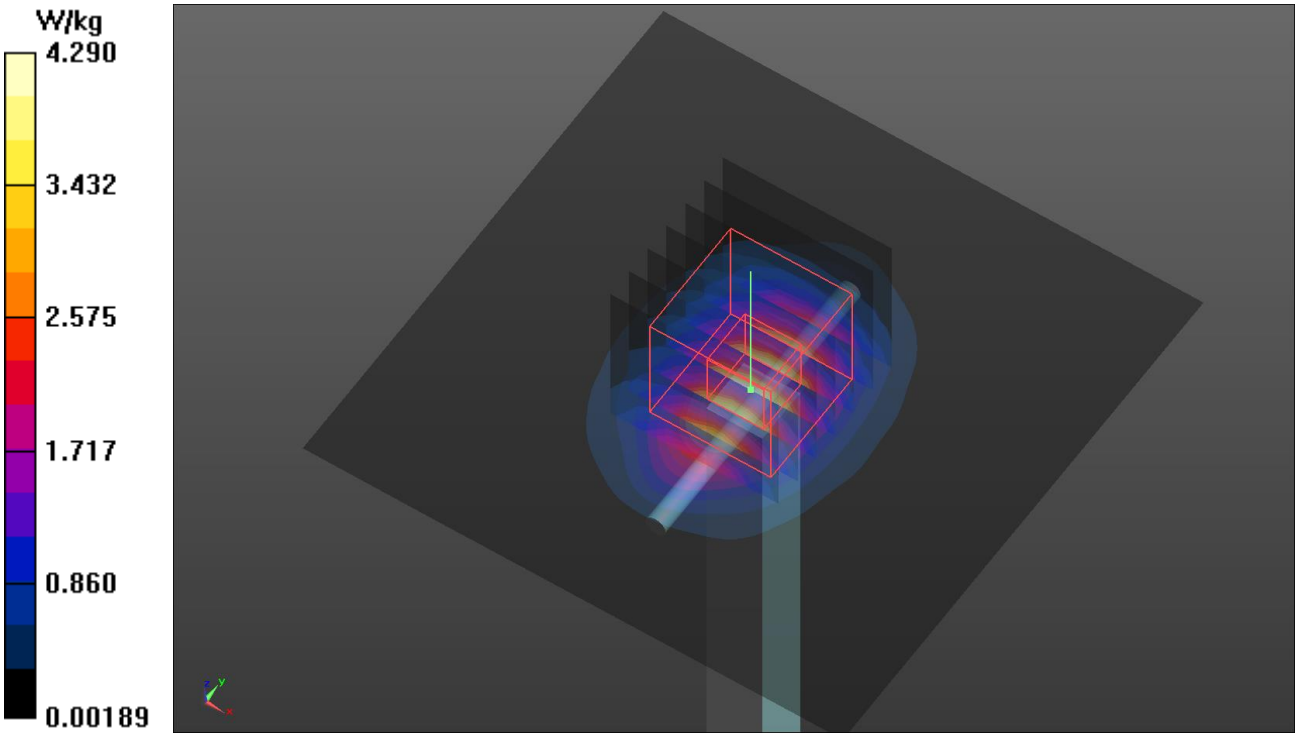
DUT: Dipole 2450 MHz; Type: D2450V2; SN: 737

Communication System: UID 0, CW; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium: H19T27N1_0717 Medium parameters used: f = 2450 MHz; σ = 1.795 S/m; ε_r = 37.915; ρ = 1000 kg/m^3
Ambient Temperature：23.4℃ ； Liquid Temperature：23.3℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7736; ConvF(8.12, 8.12, 8.12) @ 2450 MHz; Calibrated: 2022/5/30
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2022/6/1
- Phantom: ELI Phantom_1204; Type: QD OVA 002 Ax;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Pin=50mW/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 4.29 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 49.79 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 5.46 W/kg
SAR(1 g) = 2.53 W/kg; SAR(10 g) = 1.18 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 4.33 W/kg



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/7/16

S02 System Check_H5250_220716

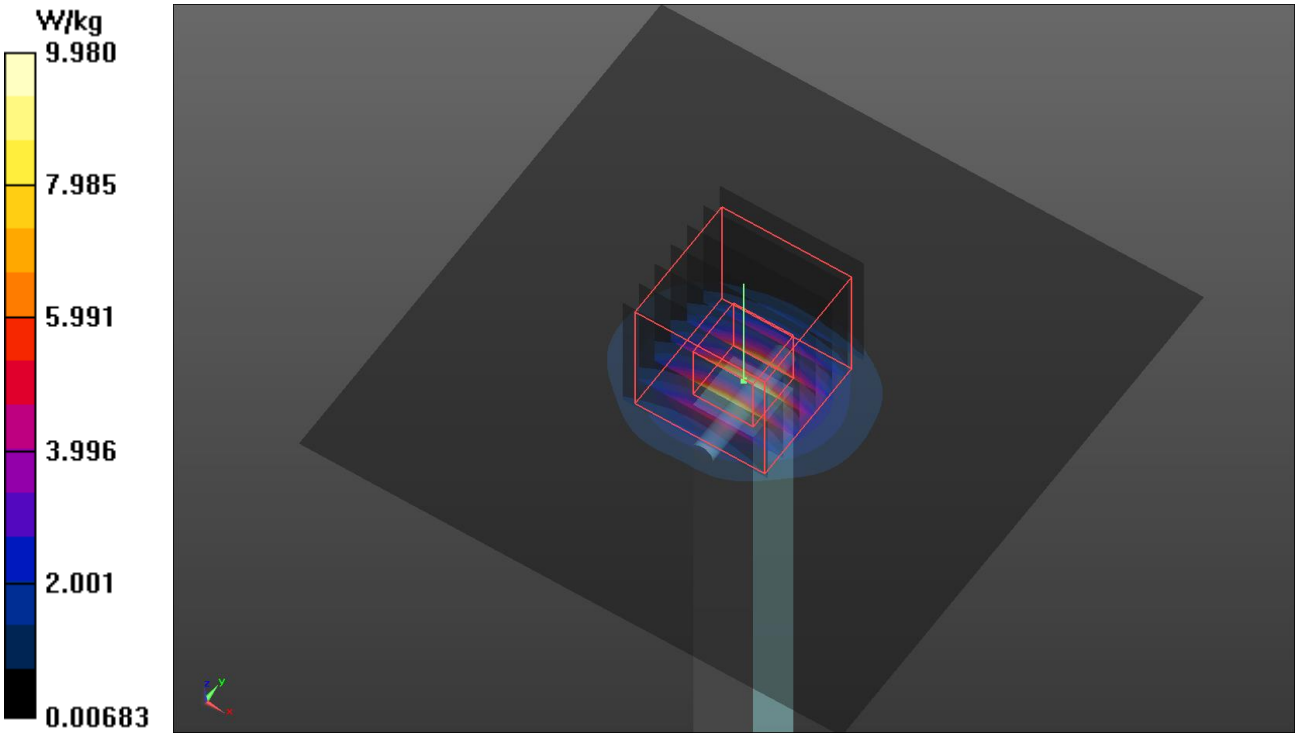
DUT: Dipole 5 GHz; Type: D5GHzV2; SN: 1019

Communication System: UID 0, CW; Frequency: 5250 MHz;Duty Cycle: 1:1
Medium: H34T60N1_0716 Medium parameters used: f = 5250 MHz; σ = 4.833 S/m; ε_r = 35.815; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃； Liquid Temperature：23.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7736; ConvF(5.74, 5.74, 5.74) @ 5250 MHz; Calibrated: 2022/5/30
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2022/6/1
- Phantom: ELI Phantom_1204; Type: QD OVA 002 Ax;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Pin=50mW/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 9.98 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 50.84 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 17.0 W/kg
SAR(1 g) = 4.33 W/kg; SAR(10 g) = 1.25 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 10.8 W/kg



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/7/15

S03 System Check_H5600_220715

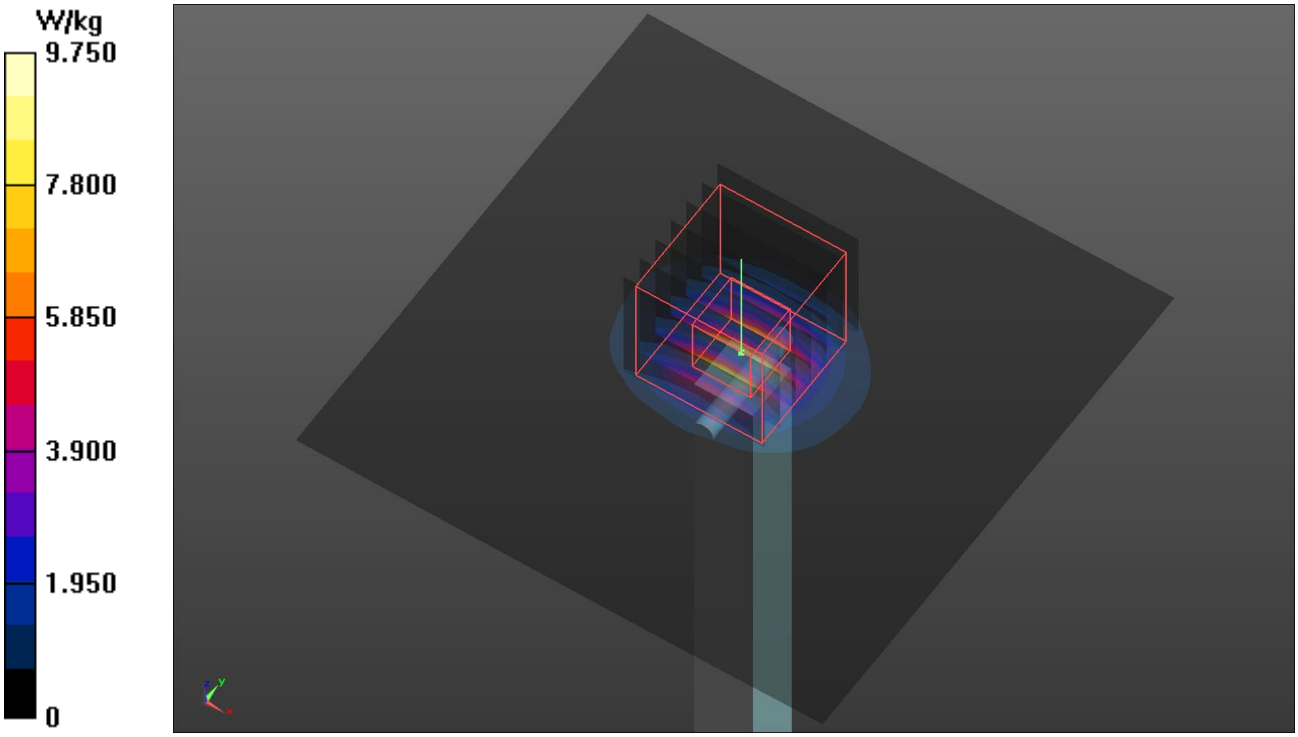
DUT: Dipole 5 GHz; Type: D5GHzV2; SN: 1019

Communication System: UID 0, CW; Frequency: 5600 MHz;Duty Cycle: 1:1
Medium: H34T60N1_0715 Medium parameters used: f = 5600 MHz; σ = 4.895 S/m; ε_r = 34.558; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃； Liquid Temperature：23.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7736; ConvF(4.93, 4.93, 4.93) @ 5600 MHz; Calibrated: 2022/5/30
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2022/6/1
- Phantom: ELI Phantom_1204; Type: QD OVA 002 Ax;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Pin=50mW/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 9.75 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 48.36 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 17.8 W/kg
SAR(1 g) = 4.04 W/kg; SAR(10 g) = 1.16 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 10.5 W/kg



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/7/16

S04 System Check_H5750_220716

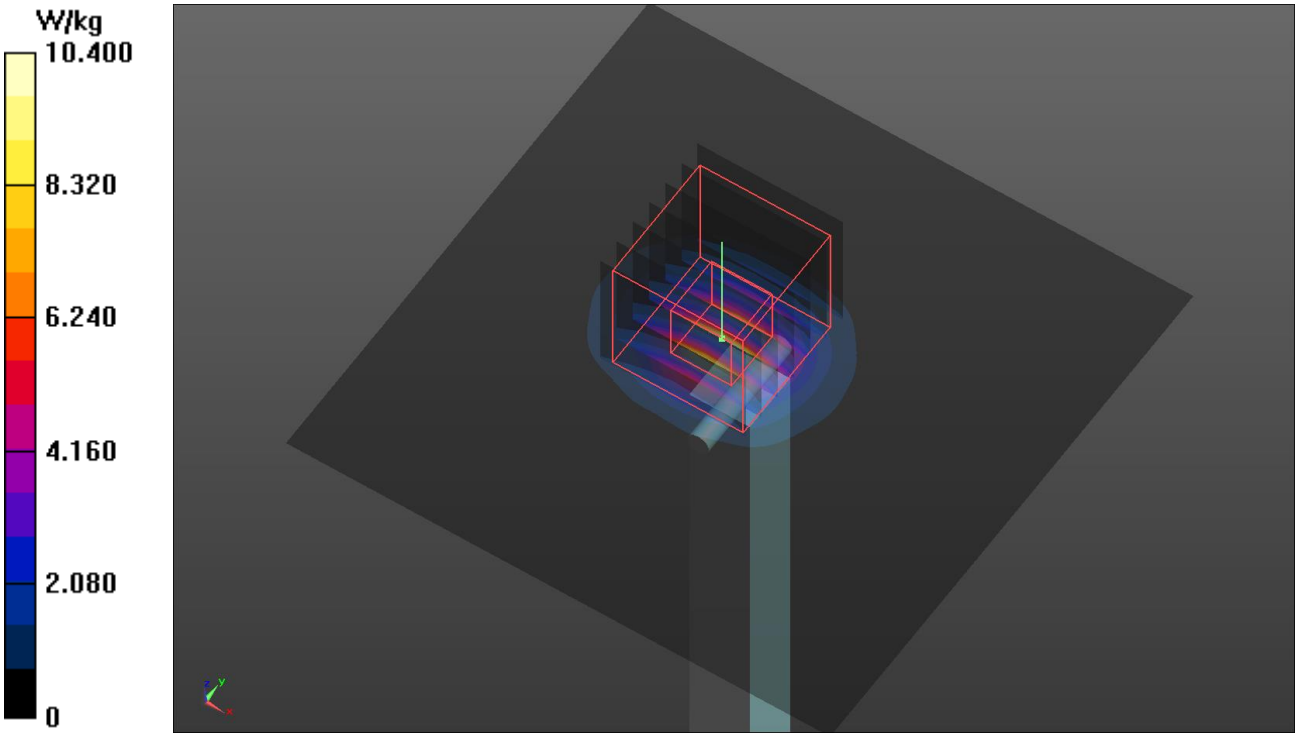
DUT: Dipole 5 GHz; Type: D5GHzV2; SN: 1019

Communication System: UID 0, CW; Frequency: 5750 MHz;Duty Cycle: 1:1
Medium: H34T60N1_0716 Medium parameters used: f = 5750 MHz; σ = 5.381 S/m; ε_r = 34.848; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃； Liquid Temperature：23.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7736; ConvF(5.05, 5.05, 5.05) @ 5750 MHz; Calibrated: 2022/5/30
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2022/6/1
- Phantom: ELI Phantom_1204; Type: QD OVA 002 Ax;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Pin=50mW/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 10.4 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 40.67 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 18.3 W/kg
SAR(1 g) = 4.09 W/kg; SAR(10 g) = 1.2 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 10.7 W/kg



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/7/17

S05 System Check_H2450_220717

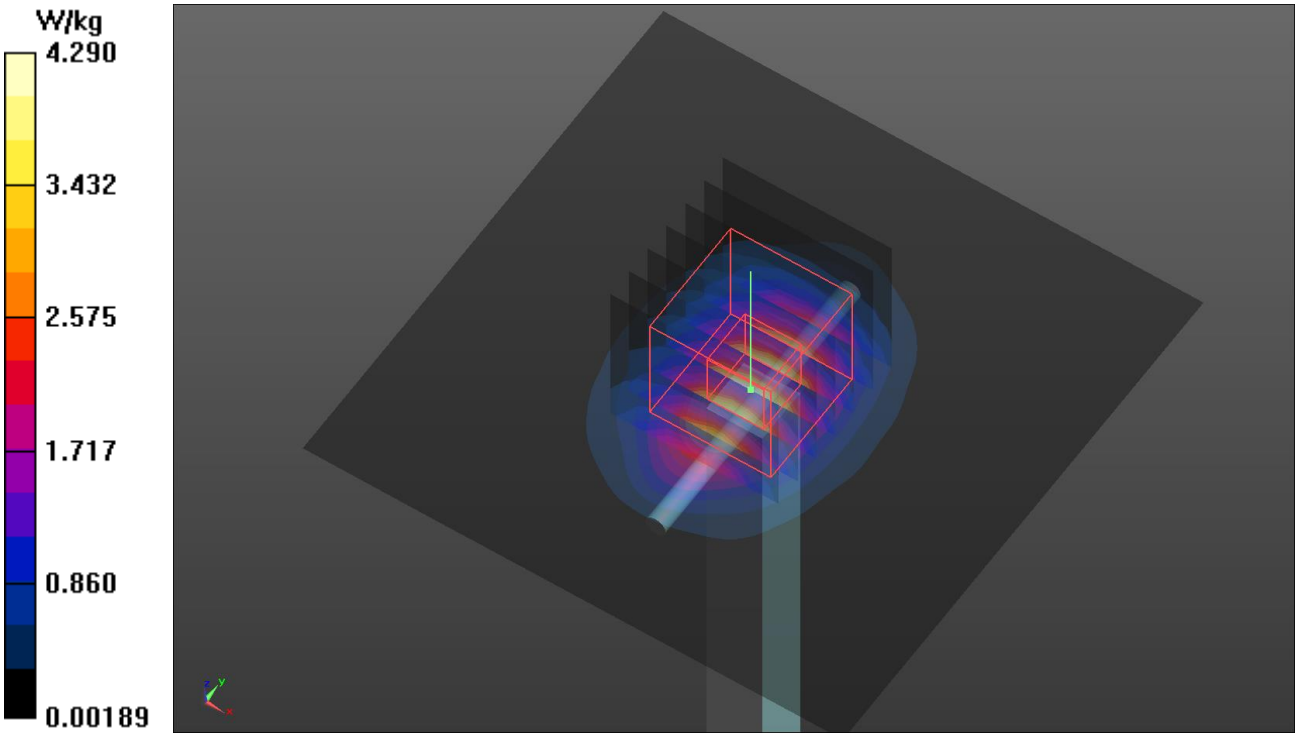
DUT: Dipole 2450 MHz; Type: D2450V2; SN: 737

Communication System: UID 0, CW; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium: H19T27N1_0717 Medium parameters used: f = 2450 MHz; σ = 1.795 S/m; ε_r = 37.915; ρ = 1000 kg/m^3
Ambient Temperature：23.4℃ ； Liquid Temperature：23.3℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7736; ConvF(8.12, 8.12, 8.12) @ 2450 MHz; Calibrated: 2022/5/30
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2022/6/1
- Phantom: ELI Phantom_1204; Type: QD OVA 002 Ax;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Pin=50mW/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 4.29 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 49.79 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 5.46 W/kg
SAR(1 g) = 2.53 W/kg; SAR(10 g) = 1.18 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 4.33 W/kg



Annex 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: 2022/7/17

P01 WLAN2.4G_802.11b_Rear Face_0mm_Ch11_Ant Brand_South Star_Ant 0_Battery SKU 3

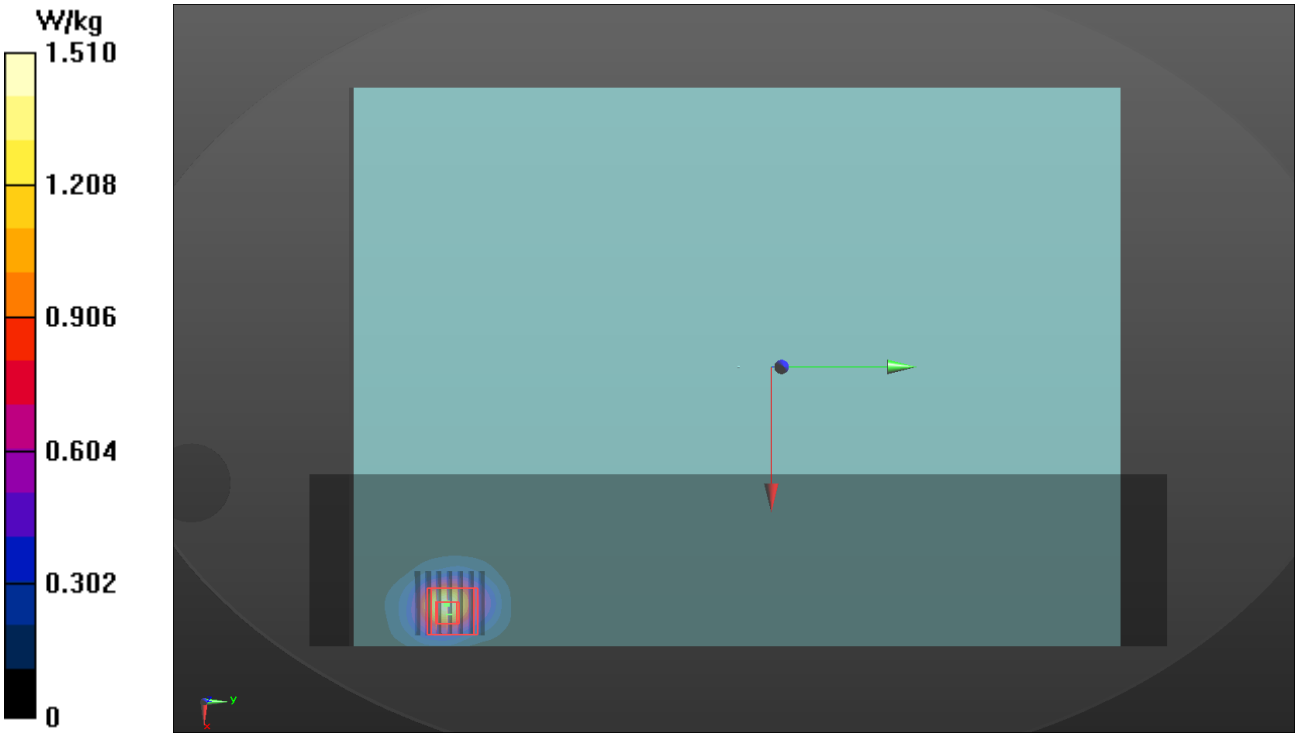
DUT: BFLF_WTW_P22061090

Communication System: UID 10012 - CAB, IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps); Frequency: 2462 MHz;Duty Cycle: 1:1.03
Medium: H19T27N1_0717 Medium parameters used: f = 2462 MHz; σ = 1.803 S/m; ε_r = 37.894; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃； Liquid Temperature：23.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7736; ConvF(8.12, 8.12, 8.12) @ 2462 MHz; Calibrated: 2022/5/30
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2022/6/1
- Phantom: ELI Phantom_1204; Type: QD OVA 002 Ax;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (71x341x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 1.51 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 29.02 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 2.65 W/kg
SAR(1 g) = 1.07 W/kg; SAR(10 g) = 0.435 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 6.7 mm
Ratio of SAR at M2 to SAR at M1 = 43.2%
Maximum value of SAR (measured) = 2.00 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/7/16

P02 WLAN5.3G_802.11ac VHT160_Top Side_0mm_Ch50_Ant Brand_South Star_Ant 0_Battery SKU 3

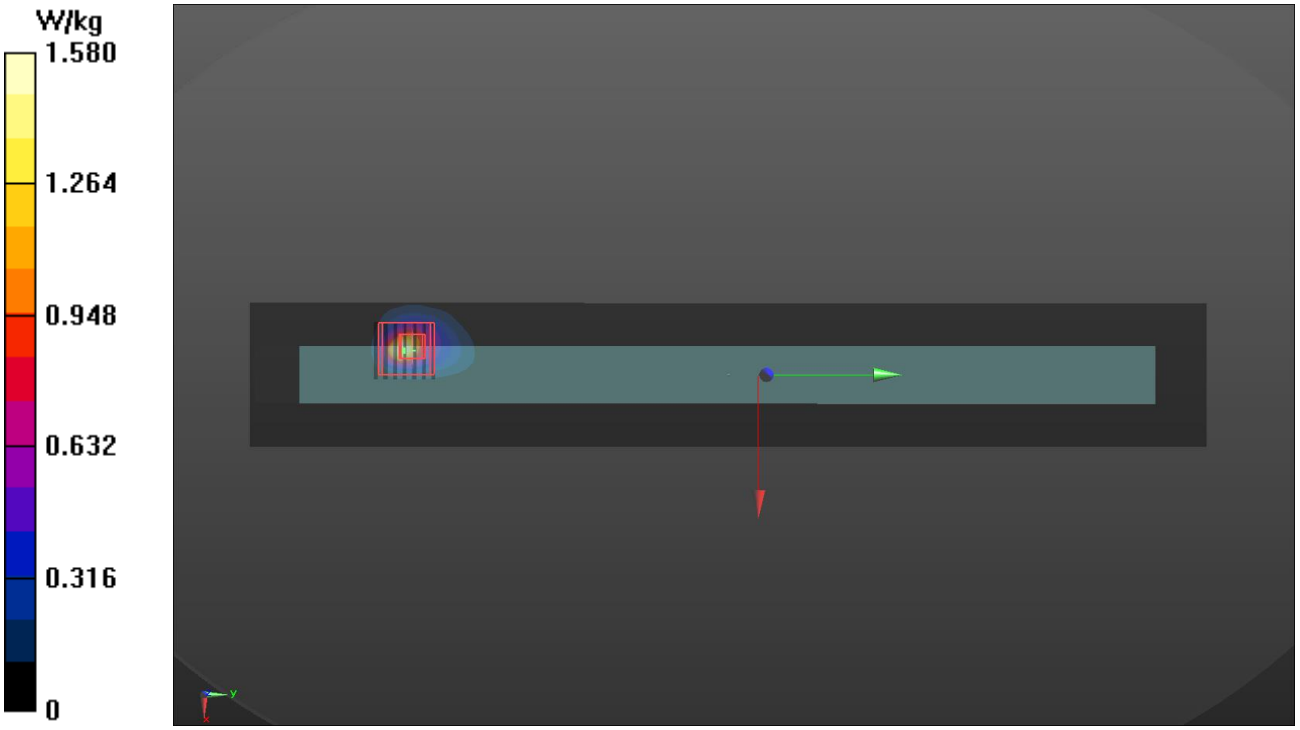
DUT: BFLF_WTW_P22061090

Communication System: UID 10554 - AAD, IEEE 802.11ac WiFi (160MHz, MCS0); Frequency: 5250 MHz;Duty Cycle: 1:1.02
Medium: H34T60N1_0716 Medium parameters used: f = 5250 MHz; σ = 4.833 S/m; ε_r = 35.815; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃； Liquid Temperature：23.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7736; ConvF(5.74, 5.74, 5.74) @ 5250 MHz; Calibrated: 2022/5/30
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2022/6/1
- Phantom: ELI Phantom_1204; Type: QD OVA 002 Ax;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (61x401x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.58 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 17.32 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 5.12 W/kg
SAR(1 g) = 1.12 W/kg; SAR(10 g) = 0.262 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 4.8 mm
Ratio of SAR at M2 to SAR at M1 = 64.4%
Maximum value of SAR (measured) = 2.98 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/7/15

P03 WLAN5.6G_802.11ac VHT160_Top Side_0mm_Ch114_Ant Brand_South Star_Ant 1_Battery SKU 3

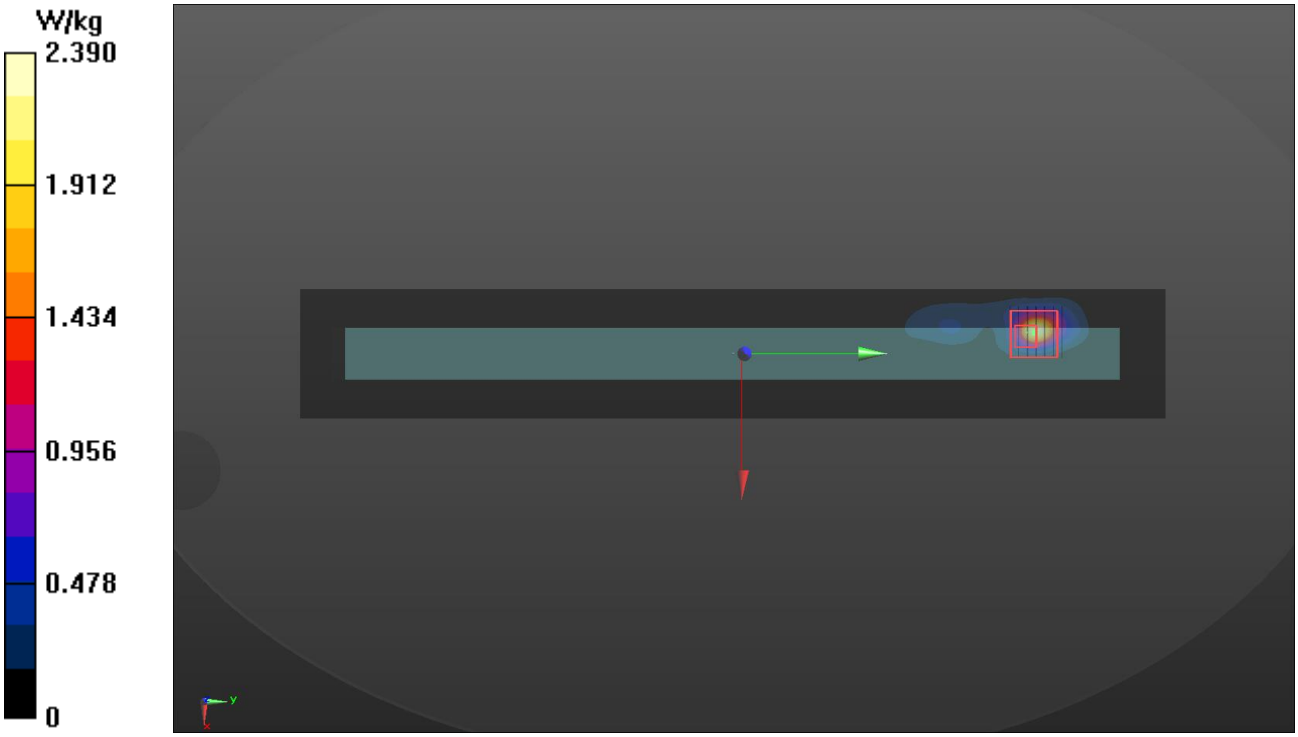
DUT: BFLF_WTW_P22061090

Communication System: UID 10554 - AAD, IEEE 802.11ac WiFi (160MHz, MCS0); Frequency: 5570 MHz;Duty Cycle: 1:1.02
Medium: H34T60N1_0715 Medium parameters used (interpolated): f = 5570 MHz; σ = 4.865 S/m; ε_r = 34.589; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃； Liquid Temperature：23.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7736; ConvF(4.93, 4.93, 4.93) @ 5570 MHz; Calibrated: 2022/5/30
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2022/6/1
- Phantom: ELI Phantom_1204; Type: QD OVA 002 Ax;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (61x401x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 2.39 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 24.60 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 6.41 W/kg
SAR(1 g) = 1.15 W/kg; SAR(10 g) = 0.297 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 4.7 mm
Ratio of SAR at M2 to SAR at M1 = 63.3%
Maximum value of SAR (measured) = 3.35 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/7/16

P04 WLAN5.8G_802.11ac VHT80_Top Side_0mm_Ch155_Ant Brand_South Star_Ant 1_Battery SKU 3

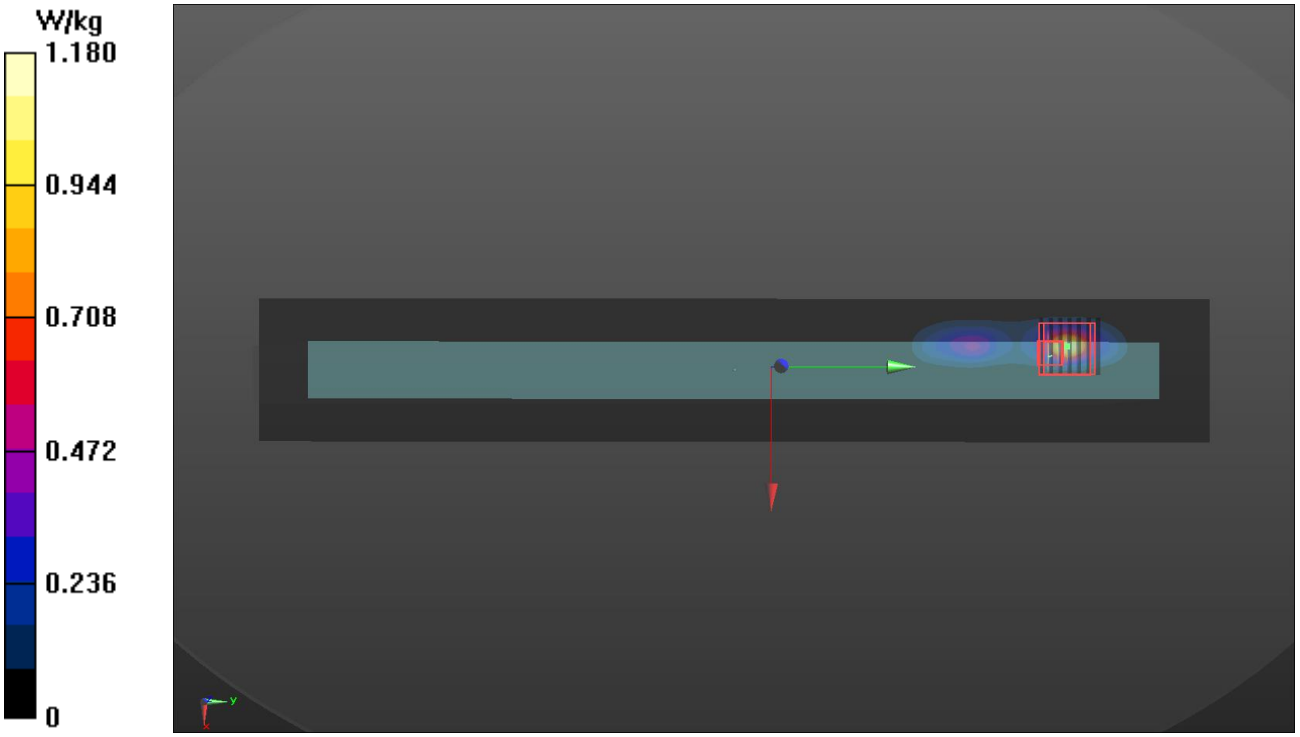
DUT: BFLF_WTW_P22061090

Communication System: UID 10544 - AAC, IEEE 802.11ac WiFi (80MHz, MCS0); Frequency: 5775 MHz;Duty Cycle: 1:1.02
Medium: H34T60N1_0716 Medium parameters used: f = 5775 MHz; σ = 5.425 S/m; ε_r = 34.829; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃； Liquid Temperature：23.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7736; ConvF(5.05, 5.05, 5.05) @ 5775 MHz; Calibrated: 2022/5/30
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2022/6/1
- Phantom: ELI Phantom_1204; Type: QD OVA 002 Ax;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (61x401x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.18 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 16.67 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 5.73 W/kg
SAR(1 g) = 1.12 W/kg; SAR(10 g) = 0.246 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 5.4 mm
Ratio of SAR at M2 to SAR at M1 = 61.4%
Maximum value of SAR (measured) = 3.12 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/7/17

P05 BT_BDR_Rear Face_0mm_Ch0_Ant Brand_South Star_Ant 0_Battery SKU 3

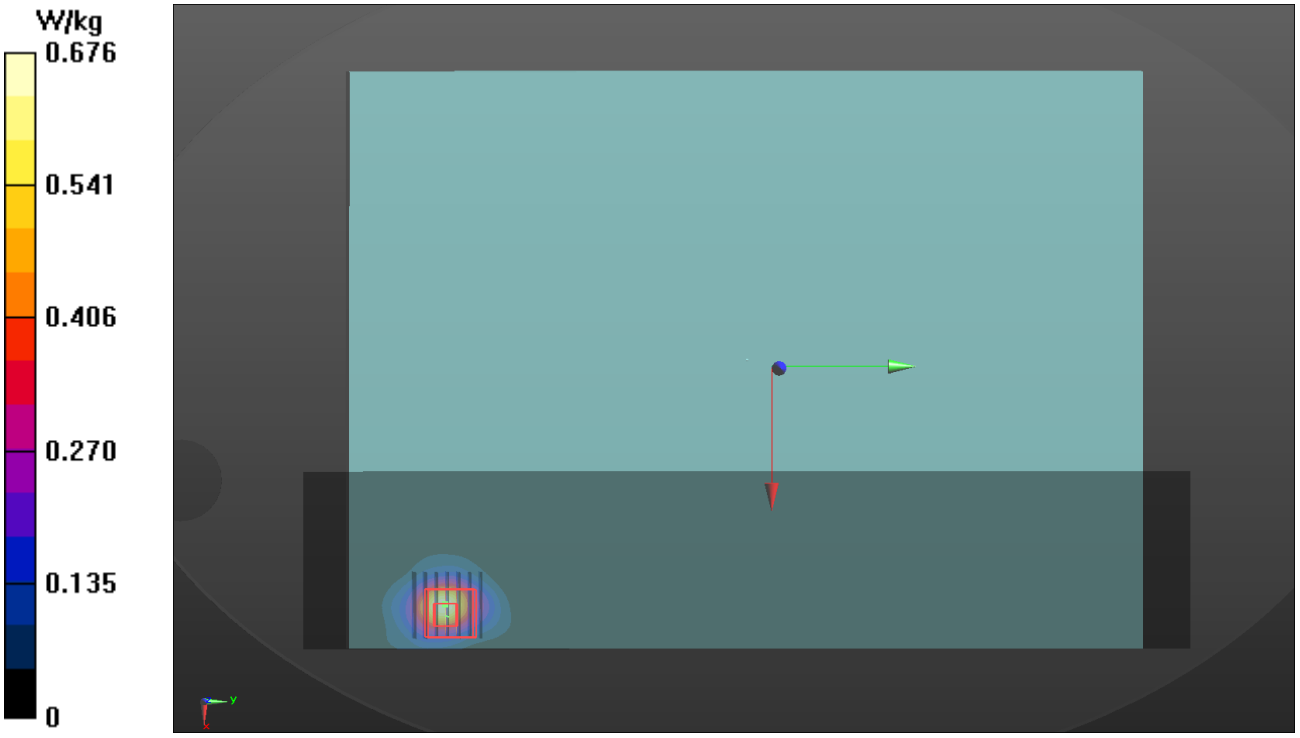
DUT: BFLF_WTW_P22061090

Communication System: UID 10032 - CAA, IEEE 802.15.1 Bluetooth (GFSK, DH5); Frequency: 2402 MHz;Duty Cycle: 1:1.30
Medium: H19T27N1_0717 Medium parameters used: f = 2402 MHz; σ = 1.761 S/m; ε_r = 38.012; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃ ； Liquid Temperature：23.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7736; ConvF(8.12, 8.12, 8.12) @ 2402 MHz; Calibrated: 2022/5/30
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2022/6/1
- Phantom: ELI Phantom_1204; Type: QD OVA 002 Ax;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (71x341x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.676 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 19.91 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.21 W/kg
SAR(1 g) = 0.281 W/kg; SAR(10 g) = 0.101 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 8.5 mm
Ratio of SAR at M2 to SAR at M1 = 43.9%
Maximum value of SAR (measured) = 0.917 W/kg



Annex 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 KDB 865664 D01. 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 Annex A of this report.

Tissue Verification									Validation for CW			Validation for Modulation				System Validation					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 (dB)
S01	2450	23.3	1.795	37.915	1.8	39.2	-0.28	-3.28	Pass	Pass	Pass	OFDM	N/A	Pass	Jul. 17, 2022	2450	52.60	2.53	50.48	-4.03	737	7736	579	17
S02	5250	23.5	4.833	35.815	4.71	35.9	2.61	-0.24	Pass	Pass	Pass	OFDM	N/A	Pass	Jul. 16, 2022	5250	80.60	4.33	86.39	7.19	1019	7736	579	17
S03	5600	23.4	4.895	34.558	5.07	35.5	-3.45	-2.65	Pass	Pass	Pass	OFDM	N/A	Pass	Jul. 15, 2022	5600	82.40	4.04	80.61	-2.17	1019	7736	579	17
S04	5750	23.5	5.381	34.848	5.22	35.4	3.08	-1.56	Pass	Pass	Pass	OFDM	N/A	Pass	Jul. 16, 2022	5750	79.40	4.09	81.61	2.78	1019	7736	579	17
S05	2450	23.3	1.795	37.915	1.8	39.2	-0.28	-3.28	Pass	Pass	Pass	OFDM	N/A	Pass	Jul. 17, 2022	2450	52.60	2.53	50.48	-4.03	737	7736	579	17

Annex D. Maximum Target Conducted Power

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

WLAN Tune-up Power (Laptop)				
WLAN 2.4GHz				
Mode	Channel	Frequency	SISO Ant 0 Max Tune up	SISO Ant 1 Max Tune up
802.11b	1	2412	15.50	17.00
	6	2437	15.50	17.00
	11	2462	15.50	17.00
	12	2467	15.50	17.00
	13	2472	15.50	15.50
802.11g	1	2412	15.50	17.00
	6	2437	15.50	17.00
	11	2462	15.50	16.50
	12	2467	15.50	15.00
	13	2472	2.00	1.50
802.11n HT20	1	2412	15.50	17.00
	6	2437	15.50	17.00
	11	2462	15.50	17.00
	12	2467	15.00	15.00
	13	2472	2.00	1.50
802.11n HT40	3	2422	15.50	16.50
	6	2437	15.50	17.00
	9	2452	15.50	16.00
	10	2457	12.25	12.00
	11	2462	5.00	5.00
802.11ax HE20	1	2412	15.50	17.00
	6	2437	15.50	17.00
	11	2462	15.50	16.00
	12	2467	15.00	15.00
	13	2472	2.00	1.50
802.11ax HE40	3	2422	15.50	16.50
	6	2437	15.50	16.50
	9	2452	15.50	16.00
	10	2457	12.25	12.00
	11	2462	5.50	4.50

WLAN Tune-up Power (Laptop)			
Bluetooth			
Mode	Channel	Frequency	Ant 0 Max Tune-up
BDR	0	2402	10.00
	39	2441	10.00
	78	2480	10.00
LE	0	2402	7.00
	19	2440	7.00
	39	2480	7.00

WLAN Tune-up Power (Laptop)				
WLAN 5.2GHz				
Mode	Channel	Frequency	SISO Ant 0 Max Tune up	SISO Ant 1 Max Tune up
802.11a	36	5180	8.00	8.00
	40	5200	8.00	8.00
	44	5220	8.00	8.00
	48	5240	8.00	8.00
802.11n HT20	36	5180	8.00	8.00
	40	5200	8.00	8.00
	44	5220	8.00	8.00
	48	5240	8.00	8.00
802.11n HT40	38	5190	8.00	8.00
	46	5230	8.00	8.00
802.11ac VHT80	42	5210	8.00	8.00
802.11ax HE20	36	5180	8.00	8.00
	40	5200	8.00	8.00
	44	5220	8.00	8.00
	48	5240	8.00	8.00
802.11ax HE40	38	5190	8.00	8.00
	46	5230	8.00	8.00
802.11ax HE80	42	5210	8.00	8.00

WLAN Tune-up Power (Laptop)				
WLAN 5.3GHz				
Mode	Channel	Frequency	SISO Ant 0 Max Tune up	SISO Ant 1 Max Tune up
802.11a	52	5260	8.00	8.00
	56	5280	8.00	8.00
	60	5300	8.00	8.00
	64	5320	8.00	8.00
802.11n HT20	52	5260	8.00	8.00
	56	5280	8.00	8.00
	60	5300	8.00	8.00
	64	5320	8.00	8.00
802.11n HT40	54	5270	8.00	8.00
	62	5310	8.00	8.00
802.11ac VHT80	58	5290	8.00	8.00
802.11ac VHT160	50	5250	8.00	8.00
802.11ax HE20	52	5260	8.00	8.00
	56	5280	8.00	8.00
	60	5300	8.00	8.00
	64	5320	8.00	8.00
802.11ax HE40	54	5270	8.00	8.00
	62	5310	8.00	8.00
802.11ax HE80	58	5290	8.00	8.00
802.11ax HE160	50	5250	8.00	8.00

WLAN Tune-up Power (Laptop)				
WLAN 5.6GHz				
Mode	Channel	Frequency	SISO Ant 0 Max Tune up	SISO Ant 1 Max Tune up
802.11a	100	5500	9.00	9.00
	116	5580	9.00	9.00
	120	5600	9.00	9.00
	124	5620	9.00	9.00
	132	5660	9.00	9.00
	140	5700	9.00	9.00
	144	5720	9.00	9.00
802.11n HT20	100	5500	9.00	9.00
	116	5580	9.00	9.00
	120	5600	9.00	9.00
	124	5620	9.00	9.00
	132	5660	9.00	9.00
	140	5700	9.00	9.00
	144	5720	9.00	9.00
802.11n HT40	102	5510	9.00	9.00
	110	5550	9.00	9.00
	118	5590	9.00	9.00
	126	5630	9.00	9.00
	134	5670	9.00	9.00
	142	5710	9.00	9.00
802.11ac VHT80	106	5530	9.00	9.00
	122	5610	9.00	9.00
	138	5690	9.00	9.00
802.11ac VHT160	114	5570	9.00	9.00
802.11ax HE20	100	5500	9.00	9.00
	116	5580	9.00	9.00
	120	5600	9.00	9.00
	124	5620	9.00	9.00
	132	5660	9.00	9.00
	140	5700	9.00	9.00
	144	5720	9.00	9.00
802.11ax HE40	102	5510	9.00	9.00
	110	5550	9.00	9.00
	118	5590	9.00	9.00
	126	5630	9.00	9.00
	134	5670	9.00	9.00
	142	5710	9.00	9.00
802.11ax HE80	106	5530	9.00	9.00
	122	5610	9.00	9.00
	138	5690	9.00	9.00
802.11ax HE160	114	5570	9.00	9.00

WLAN Tune-up Power (Laptop)				
WLAN 5.8GHz				
Mode	Channel	Frequency	SISO Ant 0 Max Tune up	SISO Ant 1 Max Tune up
802.11a	149	5745	8.50	9.00
	153	5765	8.50	9.00
	157	5785	8.50	9.00
	161	5805	8.50	9.00
	165	5825	8.50	9.00
802.11n HT20	149	5745	8.50	9.00
	153	5765	8.50	9.00
	157	5785	8.50	9.00
	161	5805	8.50	9.00
	165	5825	8.50	9.00
802.11n HT40	151	5755	8.50	9.00
	159	5795	8.50	9.00
802.11ac VHT80	155	5775	8.50	9.00
802.11ax HE20	149	5745	8.50	9.00
	153	5765	8.50	9.00
	157	5785	8.50	9.00
	161	5805	8.50	9.00
	165	5825	8.50	9.00
802.11ax HE40	151	5755	8.50	9.00
	159	5795	8.50	9.00
802.11ax HE80	155	5775	8.50	9.00

WLAN Tune-up Power (Tablet)				
WLAN 2.4GHz				
Mode	Channel	Frequency	SISO Ant 0 Max Tune up	SISO Ant 1 Max Tune up
802.11b	1	2412	13.00	13.00
	6	2437	13.00	13.00
	11	2462	13.00	13.00
	12	2467	13.00	13.00
	13	2472	13.00	13.00
802.11g	1	2412	13.00	13.00
	6	2437	13.00	13.00
	11	2462	13.00	13.00
	12	2467	13.00	13.00
	13	2472	2.00	1.50
802.11n HT20	1	2412	13.00	13.00
	6	2437	13.00	13.00
	11	2462	13.00	13.00
	12	2467	13.00	13.00
	13	2472	2.00	1.50
802.11n HT40	3	2422	13.00	13.00
	6	2437	13.00	13.00
	9	2452	13.00	13.00
	10	2457	12.25	12.00
	11	2462	5.00	5.00
802.11ax HE20	1	2412	13.00	13.00
	6	2437	13.00	13.00
	11	2462	13.00	13.00
	12	2467	13.00	13.00
	13	2472	2.00	1.50
802.11ax HE40	3	2422	13.00	13.00
	6	2437	13.00	13.00
	9	2452	13.00	13.00
	10	2457	12.25	12.00
	11	2462	5.50	4.50

WLAN Tune-up Power (Tablet)			
Bluetooth			
Mode	Channel	Frequency	Ant 0 Max Tune-up
BR / EDR	0	2402	10.00
	39	2441	10.00
	78	2480	10.00
LE	0	2402	7.00
	19	2440	7.00
	39	2480	7.00

WLAN Tune-up Power (Tablet)				
WLAN 5.2GHz				
Mode	Channel	Frequency	SISO Ant 0 Max Tune up	SISO Ant 1 Max Tune up
802.11a	36	5180	8.50	9.00
	40	5200	8.50	9.00
	44	5220	8.50	9.00
	48	5240	8.50	9.00
802.11n HT20	36	5180	8.50	9.00
	40	5200	8.50	9.00
	44	5220	8.50	9.00
	48	5240	8.50	9.00
802.11n HT40	38	5190	8.50	9.00
	46	5230	8.50	9.00
802.11ac VHT80	42	5210	8.50	9.00
802.11ax HE20	36	5180	8.50	9.00
	40	5200	8.50	9.00
	44	5220	8.50	9.00
	48	5240	8.50	9.00
802.11ax HE40	38	5190	8.50	9.00
	46	5230	8.50	9.00
802.11ax HE80	42	5210	8.50	9.00

WLAN Tune-up Power (Tablet)				
WLAN 5.3GHz				
Mode	Channel	Frequency	SISO Ant 0 Max Tune up	SISO Ant 1 Max Tune up
802.11a	52	5260	8.50	9.00
	56	5280	8.50	9.00
	60	5300	8.50	9.00
	64	5320	8.50	9.00
802.11n HT20	52	5260	8.50	9.00
	56	5280	8.50	9.00
	60	5300	8.50	9.00
	64	5320	8.50	9.00
802.11n HT40	54	5270	8.50	9.00
	62	5310	8.50	9.00
802.11ac VHT80	58	5290	8.50	9.00
802.11ac VHT160	50	5250	8.50	9.00
802.11ax HE20	52	5260	8.50	9.00
	56	5280	8.50	9.00
	60	5300	8.50	9.00
	64	5320	8.50	9.00
802.11ax HE40	54	5270	8.50	9.00
	62	5310	8.50	9.00
802.11ax HE80	58	5290	8.50	9.00
802.11ax HE160	50	5250	8.50	9.00

WLAN Tune-up Power (Tablet)				
WLAN 5.6GHz				
Mode	Channel	Frequency	SISO Ant 0 Max Tune up	SISO Ant 1 Max Tune up
802.11a	100	5500	9.50	10.50
	116	5580	9.50	10.50
	120	5600	9.50	10.50
	124	5620	9.50	10.50
	132	5660	9.50	10.50
	140	5700	9.50	10.50
	144	5720	9.50	10.50
802.11n HT20	100	5500	9.50	10.50
	116	5580	9.50	10.50
	120	5600	9.50	10.50
	124	5620	9.50	10.50
	132	5660	9.50	10.50
	140	5700	9.50	10.50
	144	5720	9.50	10.50
802.11n HT40	102	5510	9.50	10.50
	110	5550	9.50	10.50
	118	5590	9.50	10.50
	126	5630	9.50	10.50
	134	5670	9.50	10.50
	142	5710	9.50	10.50
802.11ac VHT80	106	5530	9.50	10.50
	122	5610	9.50	10.50
	138	5690	9.50	10.50
802.11ac VHT160	114	5570	9.50	10.50
802.11ax HE20	100	5500	9.50	10.50
	116	5580	9.50	10.50
	120	5600	9.50	10.50
	124	5620	9.50	10.50
	132	5660	9.50	10.50
	140	5700	9.50	10.50
	144	5720	9.50	10.50
802.11ax HE40	102	5510	9.50	10.50
	110	5550	9.50	10.50
	118	5590	9.50	10.50
	126	5630	9.50	10.50
	134	5670	9.50	10.50
	142	5710	9.50	10.50
802.11ax HE80	106	5530	9.50	10.50
	122	5610	9.50	10.50
	138	5690	9.50	10.50
802.11ax HE160	114	5570	9.50	10.50

WLAN Tune-up Power (Tablet)				
WLAN 5.8GHz				
Mode	Channel	Frequency	SISO Ant 0 Max Tune up	SISO Ant 1 Max Tune up
802.11a	149	5745	10.50	10.00
	153	5765	10.50	10.00
	157	5785	10.50	10.00
	161	5805	10.50	10.00
	165	5825	10.50	10.00
802.11n HT20	149	5745	10.50	10.00
	153	5765	10.50	10.00
	157	5785	10.50	10.00
	161	5805	10.50	10.00
	165	5825	10.50	10.00
802.11n HT40	151	5755	10.50	10.00
	159	5795	10.50	10.00
802.11ac VHT80	155	5775	10.50	10.00
802.11ax HE20	149	5745	10.50	10.00
	153	5765	10.50	10.00
	157	5785	10.50	10.00
	161	5805	10.50	10.00
	165	5825	10.50	10.00
802.11ax HE40	151	5755	10.50	10.00
	159	5795	10.50	10.00
802.11ax HE80	155	5775	10.50	10.00

Annex E. Measured Conducted Power Result

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

WLAN Conducted Power (Laptop)			
WLAN2.4GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11b	1	2412	15.47
	6	2437	15.41
	11	2462	15.49
	12	2467	15.42
	13	2472	15.41
802.11g	1	2412	15.43
	6	2437	15.35
	11	2462	15.39
	12	2467	15.39
	13	2472	1.83
802.11n HT20	1	2412	15.31
	6	2437	15.37
	11	2462	15.38
	12	2467	14.88
	13	2472	1.81
802.11n HT40	3	2422	15.34
	6	2437	15.39
	9	2452	15.35
	10	2457	12.05
	11	2462	4.81
802.11ax HE20	1	2412	15.33
	6	2437	15.35
	11	2462	15.39
	12	2467	14.87
	13	2472	1.82
802.11ax HE40	3	2422	15.39
	6	2437	15.36
	9	2452	15.32
	10	2457	12.11
	11	2462	5.31

WLAN Conducted Power (Laptop)			
WLAN2.4GHz Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11b	1	2412	16.94
	6	2437	16.91
	11	2462	16.98
	12	2467	16.94
	13	2472	15.42
802.11g	1	2412	16.82
	6	2437	16.89
	11	2462	16.32
	12	2467	14.81
	13	2472	1.31
802.11n HT20	1	2412	16.87
	6	2437	16.89
	11	2462	16.89
	12	2467	14.93
	13	2472	1.33
802.11n HT40	3	2422	16.42
	6	2437	16.91
	9	2452	15.81
	10	2457	11.87
	11	2462	4.84
802.11ax HE20	1	2412	16.87
	6	2437	16.92
	11	2462	15.82
	12	2467	14.82
	13	2472	1.37
802.11ax HE40	3	2422	16.36
	6	2437	16.39
	9	2452	15.86
	10	2457	11.77
	11	2462	4.35

WLAN Conducted Power (Laptop)			
Bluetooth Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
BR / EDR	0	2402	9.88
	39	2441	9.81
	78	2480	9.89
LE	0	2402	6.96
	19	2440	6.94
	39	2480	6.98

WLAN Conducted Power (Laptop)			
WLAN 5.2GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	36	5180	7.82
	40	5200	7.9
	44	5220	7.86
	48	5240	7.8
802.11n HT20	36	5180	7.86
	40	5200	7.84
	44	5220	7.88
	48	5240	7.87
802.11n HT40	38	5190	7.82
	46	5230	7.83
802.11ac VHT80	42	5210	7.93
802.11ax HE20	36	5180	7.88
	40	5200	7.8
	44	5220	7.82
	48	5240	7.85
802.11ax HE40	38	5190	7.88
	46	5230	7.83
802.11ax HE80	42	5210	7.83

WLAN Conducted Power (Laptop)			
WLAN 5.2GHz Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11a	36	5180	7.88
	40	5200	7.82
	44	5220	7.83
	48	5240	7.86
802.11n HT20	36	5180	7.88
	40	5200	7.92
	44	5220	7.89
	48	5240	7.86
802.11n HT40	38	5190	7.88
	46	5230	7.83
802.11ac VHT80	42	5210	7.96
802.11ax HE20	36	5180	7.89
	40	5200	7.88
	44	5220	7.87
	48	5240	7.88
802.11ax HE40	38	5190	7.81
	46	5230	7.93
802.11ax HE80	42	5210	7.89

WLAN Conducted Power (Laptop)			
WLAN 5.3GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	52	5260	7.89
	56	5280	7.83
	60	5300	7.83
	64	5320	7.84
802.11n HT20	52	5260	7.89
	56	5280	7.87
	60	5300	7.86
	64	5320	7.83
802.11n HT40	54	5270	7.86
	62	5310	7.83
802.11ac VHT80	58	5290	7.88
802.11ac VHT160	50	5250	7.97
802.11ax HE20	52	5260	7.82
	56	5280	7.83
	60	5300	7.85
	64	5320	7.84
802.11ax HE40	54	5270	7.86
	62	5310	7.83
802.11ax HE80	58	5290	7.88
802.11ax HE160	50	5250	7.87

WLAN Conducted Power (Laptop)			
WLAN 5.3GHz Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11a	52	5260	7.89
	56	5280	7.87
	60	5300	7.91
	64	5320	7.88
802.11n HT20	52	5260	7.86
	56	5280	7.84
	60	5300	7.86
	64	5320	7.86
802.11n HT40	54	5270	7.91
	62	5310	7.88
802.11ac VHT80	58	5290	7.85
802.11ac VHT160	50	5250	7.98
802.11ax HE20	52	5260	7.83
	56	5280	7.84
	60	5300	7.92
	64	5320	7.81
802.11ax HE40	54	5270	7.88
	62	5310	7.93
802.11ax HE80	58	5290	7.84
802.11ax HE160	50	5250	7.84

WLAN Conducted Power (Laptop)			
WLAN 5.6GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	100	5500	8.85
	116	5580	8.87
	120	5600	8.88
	124	5620	8.84
	132	5660	8.86
	140	5700	8.91
	144	5720	8.86
802.11n HT20	100	5500	8.84
	116	5580	8.86
	120	5600	8.81
	124	5620	8.88
	132	5660	8.88
	140	5700	8.82
	144	5720	8.84
802.11n HT40	102	5510	8.85
	110	5550	8.82
	118	5590	8.88
	126	5630	8.83
	134	5670	8.88
	142	5710	8.86
802.11ac VHT80	106	5530	8.95
	122	5610	8.91
	138	5690	8.99
802.11ac VHT160	114	5570	8.92
802.11ax HE20	100	5500	8.82
	116	5580	8.85
	120	5600	8.83
	124	5620	8.89
	132	5660	8.86
	140	5700	8.88
	144	5720	8.81
802.11ax HE40	102	5510	8.87
	110	5550	8.87
	118	5590	8.92
	126	5630	8.86
	134	5670	8.91
	142	5710	8.94
802.11ax HE80	106	5530	8.81
	122	5610	8.85
	138	5690	8.91
802.11ax HE160	114	5570	8.87

WLAN Conducted Power (Laptop)			
WLAN 5.6GHz Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11a	100	5500	8.86
	116	5580	8.82
	120	5600	8.88
	124	5620	8.85
	132	5660	8.82
	140	5700	8.82
	144	5720	8.84
802.11n HT20	100	5500	8.81
	116	5580	8.87
	120	5600	8.88
	124	5620	8.83
	132	5660	8.88
	140	5700	8.82
	144	5720	8.89
802.11n HT40	102	5510	8.83
	110	5550	8.88
	118	5590	8.88
	126	5630	8.91
	134	5670	8.88
	142	5710	8.81
802.11ac VHT80	106	5530	8.93
	122	5610	8.92
	138	5690	8.96
802.11ac VHT160	114	5570	8.92
802.11ax HE20	100	5500	8.82
	116	5580	8.88
	120	5600	8.83
	124	5620	8.88
	132	5660	8.82
	140	5700	8.87
	144	5720	8.92
802.11ax HE40	102	5510	8.85
	110	5550	8.92
	118	5590	8.81
	126	5630	8.87
	134	5670	8.83
	142	5710	8.85
802.11ax HE80	106	5530	8.82
	122	5610	8.84
	138	5690	8.89
802.11ax HE160	114	5570	8.85

WLAN Conducted Power (Laptop)			
WLAN 5.8GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	149	5745	7.37
	153	5765	7.31
	157	5785	7.33
	161	5805	7.31
	165	5825	7.3
802.11n HT20	149	5745	8.32
	153	5765	8.42
	157	5785	8.31
	161	5805	8.35
	165	5825	8.37
802.11n HT40	151	5755	8.32
	159	5795	8.33
802.11ac VHT80	155	5775	8.49
802.11ax HE20	149	5745	8.37
	153	5765	8.36
	157	5785	8.38
	161	5805	8.38
	165	5825	8.34
802.11ax HE40	151	5755	8.32
	159	5795	8.38
802.11ax HE80	155	5775	8.33

WLAN Conducted Power (Laptop)			
WLAN 5.8GHz Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11a	149	5745	7.84
	153	5765	7.85
	157	5785	7.82
	161	5805	7.82
	165	5825	7.82
802.11n HT20	149	5745	8.81
	153	5765	8.88
	157	5785	8.89
	161	5805	8.81
	165	5825	8.86
802.11n HT40	151	5755	8.85
	159	5795	8.82
802.11ac VHT80	155	5775	8.93
802.11ax HE20	149	5745	8.84
	153	5765	8.85
	157	5785	8.87
	161	5805	8.92
	165	5825	8.82
802.11ax HE40	151	5755	8.81
	159	5795	8.88
802.11ax HE80	155	5775	8.86

WLAN Conducted Power (Tablet)			
WLAN2.4GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11b	1	2412	12.97
	6	2437	12.91
	11	2462	12.98
	12	2467	12.93
	13	2472	12.92
802.11g	1	2412	12.86
	6	2437	12.85
	11	2462	12.86
	12	2467	12.91
	13	2472	1.88
802.11n HT20	1	2412	12.81
	6	2437	12.83
	11	2462	12.82
	12	2467	12.87
	13	2472	1.94
802.11n HT40	3	2422	12.85
	6	2437	12.81
	9	2452	12.88
	10	2457	12.09
	11	2462	4.81
802.11ax HE20	1	2412	12.82
	6	2437	12.87
	11	2462	12.86
	12	2467	12.87
	13	2472	1.89
802.11ax HE40	3	2422	12.83
	6	2437	12.89
	9	2452	12.85
	10	2457	12.11
	11	2462	5.31

WLAN Conducted Power (Tablet)			
WLAN2.4GHz Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11b	1	2412	12.92
	6	2437	12.91
	11	2462	12.98
	12	2467	12.93
	13	2472	12.92
802.11g	1	2412	12.82
	6	2437	12.81
	11	2462	12.81
	12	2467	12.82
	13	2472	1.31
802.11n HT20	1	2412	12.87
	6	2437	12.82
	11	2462	12.85
	12	2467	12.83
	13	2472	1.39
802.11n HT40	3	2422	12.89
	6	2437	12.84
	9	2452	12.87
	10	2457	11.82
	11	2462	4.86
802.11ax HE20	1	2412	12.88
	6	2437	12.83
	11	2462	12.84
	12	2467	12.87
	13	2472	1.35
802.11ax HE40	3	2422	12.89
	6	2437	12.87
	9	2452	12.82
	10	2457	11.77
	11	2462	4.35

WLAN Conducted Power (Tablet)			
Bluetooth Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
BR / EDR	0	2402	9.88
	39	2441	9.81
	78	2480	9.89
LE	0	2402	6.96
	19	2440	6.94
	39	2480	6.98

WLAN Conducted Power (Tablet)			
WLAN 5.2GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	36	5180	8.34
	40	5200	8.35
	44	5220	8.23
	48	5240	8.36
802.11n HT20	36	5180	8.38
	40	5200	8.37
	44	5220	8.32
	48	5240	8.33
802.11n HT40	38	5190	8.39
	46	5230	8.36
802.11ac VHT80	42	5210	8.42
802.11ax HE20	36	5180	8.31
	40	5200	8.34
	44	5220	8.34
	48	5240	8.34
802.11ax HE40	38	5190	8.36
	46	5230	8.38
802.11ax HE80	42	5210	8.31

WLAN Conducted Power (Tablet)			
WLAN 5.2GHz Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11a	36	5180	8.66
	40	5200	8.84
	44	5220	8.68
	48	5240	8.62
802.11n HT20	36	5180	8.82
	40	5200	8.89
	44	5220	8.89
	48	5240	8.86
802.11n HT40	38	5190	8.87
	46	5230	8.92
802.11ac VHT80	42	5210	8.93
802.11ax HE20	36	5180	8.91
	40	5200	8.85
	44	5220	8.82
	48	5240	8.86
802.11ax HE40	38	5190	8.88
	46	5230	8.91
802.11ax HE80	42	5210	8.84

WLAN Conducted Power (Tablet)			
WLAN 5.3GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	52	5260	8.42
	56	5280	8.37
	60	5300	8.37
	64	5320	8.32
802.11n HT20	52	5260	8.39
	56	5280	8.31
	60	5300	8.33
	64	5320	8.33
802.11n HT40	54	5270	8.37
	62	5310	8.34
802.11ac VHT80	58	5290	8.31
802.11ac VHT160	50	5250	8.49
802.11ax HE20	52	5260	8.32
	56	5280	8.36
	60	5300	8.32
	64	5320	8.31
802.11ax HE40	54	5270	8.31
	62	5310	8.33
802.11ax HE80	58	5290	8.33
802.11ax HE160	50	5250	8.36

WLAN Conducted Power (Tablet)			
WLAN 5.3GHz Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11a	52	5260	8.89
	56	5280	8.89
	60	5300	8.81
	64	5320	8.83
802.11n HT20	52	5260	8.81
	56	5280	8.87
	60	5300	8.86
	64	5320	8.84
802.11n HT40	54	5270	8.89
	62	5310	8.87
802.11ac VHT80	58	5290	8.92
802.11ac VHT160	50	5250	8.96
802.11ax HE20	52	5260	8.84
	56	5280	8.88
	60	5300	8.85
	64	5320	8.85
802.11ax HE40	54	5270	8.88
	62	5310	8.87
802.11ax HE80	58	5290	8.85
802.11ax HE160	50	5250	8.85

WLAN Conducted Power (Tablet)			
WLAN 5.6GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	100	5500	9.39
	116	5580	9.35
	120	5600	9.41
	124	5620	9.34
	132	5660	9.36
	140	5700	9.34
	144	5720	9.33
802.11n HT20	100	5500	9.37
	116	5580	9.32
	120	5600	9.35
	124	5620	9.34
	132	5660	9.31
	140	5700	9.36
	144	5720	9.32
802.11n HT40	102	5510	9.31
	110	5550	9.39
	118	5590	9.34
	126	5630	9.44
	134	5670	9.38
	142	5710	9.36
802.11ac VHT80	106	5530	9.46
	122	5610	9.42
	138	5690	9.49
802.11ac VHT160	114	5570	9.45
802.11ax HE20	100	5500	9.39
	116	5580	9.38
	120	5600	9.37
	124	5620	9.36
	132	5660	9.33
	140	5700	9.37
	144	5720	9.42
802.11ax HE40	102	5510	9.37
	110	5550	9.33
	118	5590	9.37
	126	5630	9.39
	134	5670	9.38
	142	5710	9.38
802.11ax HE80	106	5530	9.39
	122	5610	9.34
	138	5690	9.36
802.11ax HE160	114	5570	9.31

WLAN Conducted Power (Tablet)			
WLAN 5.6GHz Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11a	100	5500	10.39
	116	5580	10.36
	120	5600	10.31
	124	5620	10.32
	132	5660	10.38
	140	5700	10.41
	144	5720	10.36
802.11n HT20	100	5500	10.32
	116	5580	10.35
	120	5600	10.34
	124	5620	10.37
	132	5660	10.32
	140	5700	10.32
	144	5720	10.37
802.11n HT40	102	5510	10.33
	110	5550	10.32
	118	5590	10.37
	126	5630	10.33
	134	5670	10.34
	142	5710	10.37
802.11ac VHT80	106	5530	10.45
	122	5610	10.44
	138	5690	10.49
802.11ac VHT160	114	5570	10.48
802.11ax HE20	100	5500	10.36
	116	5580	10.35
	120	5600	10.32
	124	5620	10.35
	132	5660	10.36
	140	5700	10.36
	144	5720	10.35
802.11ax HE40	102	5510	10.35
	110	5550	10.38
	118	5590	10.47
	126	5630	10.34
	134	5670	10.34
	142	5710	10.38
802.11ax HE80	106	5530	10.32
	122	5610	10.38
	138	5690	10.42
802.11ax HE160	114	5570	10.32

WLAN Conducted Power (Tablet)			
WLAN 5.8GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	149	5745	10.34
	153	5765	10.31
	157	5785	10.31
	161	5805	10.31
	165	5825	10.37
802.11n HT20	149	5745	10.38
	153	5765	10.37
	157	5785	10.39
	161	5805	10.34
	165	5825	10.41
802.11n HT40	151	5755	10.36
	159	5795	10.36
802.11ac VHT80	155	5775	10.46
802.11ax HE20	149	5745	10.37
	153	5765	10.36
	157	5785	10.35
	161	5805	10.33
	165	5825	10.35
802.11ax HE40	151	5755	10.38
	159	5795	10.38
802.11ax HE80	155	5775	10.32

WLAN Conducted Power (Tablet)			
WLAN 5.8GHz Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11a	149	5745	9.82
	153	5765	9.91
	157	5785	9.81
	161	5805	9.87
	165	5825	9.87
802.11n HT20	149	5745	9.85
	153	5765	9.88
	157	5785	9.81
	161	5805	9.91
	165	5825	9.83
802.11n HT40	151	5755	9.87
	159	5795	9.81
802.11ac VHT80	155	5775	9.92
802.11ax HE20	149	5745	9.83
	153	5765	9.82
	157	5785	9.87
	161	5805	9.87
	165	5825	9.87
802.11ax HE40	151	5755	9.86
	159	5795	9.86
802.11ax HE80	155	5775	9.89

Annex F. SAR Test Result

SAR Results for Body Exposure Condition.

Note:

1. SAR testing for WLAN was performed on the maximum power mode.
2. The “< 0.001” means there is no SAR value or the SAR is too low to be measured.

Body SAR Test Result

System & Position						DUT & Accessory			SAR							
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	Ant Brand	Ant Status	Battery SKU	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	Front for Laptop	0	11	South Star	Ant 0	3	97.20	1.03	15.50	15.49	1.00	-0.11	1.05	1.08
	WLAN2.4G	802.11b	Front for Laptop	0	11	South Star	Ant 1	3	98.30	1.02	17.00	16.98	1.00	0.15	1.06	1.08
	WLAN2.4G	802.11b	Bottom for Laptop	0	11	South Star	Ant 0	3	97.20	1.03	15.50	15.49	1.00	0.02	0.421	0.43
	WLAN2.4G	802.11b	Bottom for Laptop	0	11	South Star	Ant 1	3	98.30	1.02	17.00	16.98	1.00	0.06	0.705	0.72
1	WLAN2.4G	802.11b	Rear Face	0	11	South Star	Ant 0	3	97.20	1.03	13.00	12.98	1.00	0.03	1.07	1.10
	WLAN2.4G	802.11b	Left Side	0	11	South Star	Ant 0	3	97.20	1.03	13.00	12.98	1.00	0.02	0.093	0.10
	WLAN2.4G	802.11b	Right Side	0	11	South Star	Ant 0	3	97.20	1.03	13.00	12.98	1.00	0	<0.001	0.00
	WLAN2.4G	802.11b	Top Side	0	11	South Star	Ant 0	3	97.20	1.03	13.00	12.98	1.00	0.09	0.354	0.36
	WLAN2.4G	802.11b	Bottom Side	0	11	South Star	Ant 0	3	97.20	1.03	13.00	12.98	1.00	0	<0.001	0.00
	WLAN2.4G	802.11b	Rear Face	0	11	South Star	Ant 1	3	98.30	1.02	13.00	12.98	1.00	-0.02	1.03	1.05
	WLAN2.4G	802.11b	Left Side	0	11	South Star	Ant 1	3	98.30	1.02	13.00	12.98	1.00	0	<0.001	0.00
	WLAN2.4G	802.11b	Right Side	0	11	South Star	Ant 1	3	98.30	1.02	13.00	12.98	1.00	0.04	0.084	0.09
	WLAN2.4G	802.11b	Top Side	0	11	South Star	Ant 1	3	98.30	1.02	13.00	12.98	1.00	0.02	0.427	0.44
	WLAN2.4G	802.11b	Bottom Side	0	11	South Star	Ant 1	3	98.30	1.02	13.00	12.98	1.00	0	<0.001	0.00
	WLAN2.4G	802.11b	Front for Laptop	0	1	South Star	Ant 0	3	97.20	1.03	15.50	15.47	1.01	0.02	1	1.04
	WLAN2.4G	802.11b	Front for Laptop	0	6	South Star	Ant 0	3	97.20	1.03	15.50	15.41	1.02	0.03	0.955	1.00
	WLAN2.4G	802.11b	Front for Laptop	0	12	South Star	Ant 0	3	97.20	1.03	15.50	15.42	1.02	0.04	0.893	0.94
	WLAN2.4G	802.11b	Front for Laptop	0	13	South Star	Ant 0	3	97.20	1.03	15.50	15.41	1.02	-0.16	0.687	0.72
	WLAN2.4G	802.11b	Front for Laptop	0	1	South Star	Ant 1	3	98.30	1.02	17.00	16.94	1.01	-0.14	0.709	0.73
	WLAN2.4G	802.11b	Front for Laptop	0	6	South Star	Ant 1	3	98.30	1.02	17.00	16.91	1.02	0.11	0.683	0.71
	WLAN2.4G	802.11b	Front for Laptop	0	12	South Star	Ant 1	3	98.30	1.02	17.00	16.94	1.01	0.01	0.727	0.75
	WLAN2.4G	802.11b	Front for Laptop	0	13	South Star	Ant 1	3	98.30	1.02	15.50	15.42	1.02	-0.17	0.741	0.77
	WLAN2.4G	802.11b	Rear Face	0	1	South Star	Ant 0	3	97.20	1.03	13.00	12.97	1.01	0.02	1.03	1.07
	WLAN2.4G	802.11b	Rear Face	0	6	South Star	Ant 0	3	97.20	1.03	13.00	12.91	1.02	0.06	0.999	1.05
	WLAN2.4G	802.11b	Rear Face	0	12	South Star	Ant 0	3	97.20	1.03	13.00	12.93	1.02	0.08	1	1.05
	WLAN2.4G	802.11b	Rear Face	0	13	South Star	Ant 0	3	97.20	1.03	13.00	12.92	1.02	0.04	1.03	1.08
	WLAN2.4G	802.11b	Rear Face	0	1	South Star	Ant 1	3	98.30	1.02	13.00	12.92	1.02	0.02	0.874	0.91
	WLAN2.4G	802.11b	Rear Face	0	6	South Star	Ant 1	3	98.30	1.02	13.00	12.91	1.02	0.06	1	1.04
	WLAN2.4G	802.11b	Rear Face	0	12	South Star	Ant 1	3	98.30	1.02	13.00	12.93	1.02	0.08	1.01	1.05
	WLAN2.4G	802.11b	Rear Face	0	13	South Star	Ant 1	3	98.30	1.02	13.00	12.92	1.02	0.04	0.913	0.95
	WLAN2.4G	802.11b	Rear Face	0	11	Pulse	Ant 0	3	97.20	1.03	13.00	12.98	1.00	0.18	0.844	0.87
	WLAN2.4G	802.11b	Rear Face	0	11	South Star	Ant 0	1	97.20	1.03	13.00	12.98	1.00	0.07	1	1.03
	WLAN2.4G	802.11b	Rear Face	0	1	Pulse	Ant 0	3	97.20	1.03	13.00	12.97	1.01	-0.07	1.03	1.07
	WLAN2.4G	802.11b	Rear Face	0	6	Pulse	Ant 0	3	97.20	1.03	13.00	12.91	1.02	0.07	1.01	1.06
	WLAN2.4G	802.11b	Rear Face	0	12	Pulse	Ant 0	3	97.20	1.03	13.00	12.93	1.02	0.13	0.949	1.00
	WLAN2.4G	802.11b	Rear Face	0	13	Pulse	Ant 0	3	97.20	1.03	13.00	12.92	1.02	0.19	0.917	0.96
	WLAN2.4G	802.11b	Rear Face	0	1	South Star	Ant 0	1	97.20	1.03	13.00	12.97	1.01	-0.12	1.04	1.08
	WLAN2.4G	802.11b	Rear Face	0	6	South Star	Ant 0	1	97.20	1.03	13.00	12.91	1.02	-0.07	1.02	1.07
	WLAN2.4G	802.11b	Rear Face	0	12	South Star	Ant 0	1	97.20	1.03	13.00	12.93	1.02	-0.18	0.997	1.05
	WLAN2.4G	802.11b	Rear Face	0	13	South Star	Ant 0	1	97.20	1.03	13.00	12.92	1.02	0.13	1.01	1.06
	WLAN2.4G	802.11b	Rear Face	0	11	South Star	Ant 0	3	97.20	1.03	13.00	12.98	1.00	0.03	1.06	1.09

Body SAR Test Result

System & Position						DUT & Accessory			SAR							
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	Ant Brand	Ant Status	Battery SKU	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)
	WLAN5.3G	802.11ac VHT160	Front for Laptop	0	50	South Star	Ant 0	3	98.50	1.02	8.00	7.97	1.01	-0.07	1.11	1.14
	WLAN5.3G	802.11ac VHT160	Front for Laptop	0	50	South Star	Ant 1	3	98.10	1.02	8.00	7.98	1.00	-0.03	1.04	1.06
	WLAN5.3G	802.11ac VHT160	Bottom for Laptop	0	50	South Star	Ant 0	3	98.50	1.02	8.00	7.97	1.01	-0.06	0.122	0.13
	WLAN5.3G	802.11ac VHT160	Bottom for Laptop	0	50	South Star	Ant 1	3	98.10	1.02	8.00	7.98	1.00	0.07	0.155	0.16
	WLAN5.3G	802.11ac VHT160	Rear Face	0	50	South Star	Ant 0	3	98.50	1.02	8.50	8.49	1.00	0.12	0.621	0.63
	WLAN5.3G	802.11ac VHT160	Left Side	0	50	South Star	Ant 0	3	98.50	1.02	8.50	8.49	1.00	0.06	0.036	0.04
	WLAN5.3G	802.11ac VHT160	Right Side	0	50	South Star	Ant 0	3	98.50	1.02	8.50	8.49	1.00	0	<0.001	0.00
2	WLAN5.3G	802.11ac VHT160	Top Side	0	50	South Star	Ant 0	3	98.50	1.02	8.50	8.49	1.00	0.14	1.12	1.14
	WLAN5.3G	802.11ac VHT160	Bottom Side	0	50	South Star	Ant 0	3	98.50	1.02	8.50	8.49	1.00	0	<0.001	0.00
	WLAN5.3G	802.11ac VHT160	Rear Face	0	50	South Star	Ant 1	3	98.10	1.02	9.00	8.96	1.01	0.08	0.779	0.80
	WLAN5.3G	802.11ac VHT160	Left Side	0	50	South Star	Ant 1	3	98.10	1.02	9.00	8.96	1.01	0	<0.001	0.00
	WLAN5.3G	802.11ac VHT160	Right Side	0	50	South Star	Ant 1	3	98.10	1.02	9.00	8.96	1.01	0.12	0.04	0.04
	WLAN5.3G	802.11ac VHT160	Top Side	0	50	South Star	Ant 1	3	98.10	1.02	9.00	8.96	1.01	-0.01	1.09	1.12
	WLAN5.3G	802.11ac VHT160	Bottom Side	0	50	South Star	Ant 1	3	98.10	1.02	9.00	8.96	1.01	0	<0.001	0.00
	WLAN5.3G	802.11ac VHT160	Top Side	0	50	Pulse	Ant 0	3	98.50	1.02	8.50	8.49	1.00	0.02	0.854	0.87
	WLAN5.3G	802.11ac VHT160	Top Side	0	50	South Star	Ant 0	1	98.50	1.02	8.50	8.49	1.00	0.14	1.07	1.09
	WLAN5.3G	802.11ac VHT160	Top Side	0	50	South Star	Ant 0	3	98.50	1.02	8.50	8.49	1.00	0.14	1.09	1.11
									-							
	WLAN5.6G	802.11ac VHT160	Front for Laptop	0	114	South Star	Ant 0	3	98.50	1.02	9.00	8.92	1.02	-0.09	1.06	1.10
	WLAN5.6G	802.11ac VHT160	Front for Laptop	0	114	South Star	Ant 1	3	98.10	1.02	9.00	8.92	1.02	0.01	1.08	1.12
	WLAN5.6G	802.11ac VHT160	Bottom for Laptop	0	114	South Star	Ant 0	3	98.50	1.02	9.00	8.92	1.02	-0.01	0.104	0.11
	WLAN5.6G	802.11ac VHT160	Bottom for Laptop	0	114	South Star	Ant 1	3	98.10	1.02	9.00	8.92	1.02	0.04	0.108	0.11
	WLAN5.6G	802.11ac VHT160	Rear Face	0	114	South Star	Ant 0	3	98.50	1.02	9.50	9.45	1.01	-0.03	0.839	0.86
	WLAN5.6G	802.11ac VHT160	Left Side	0	114	South Star	Ant 0	3	98.50	1.02	9.50	9.45	1.01	0.01	0.039	0.04
	WLAN5.6G	802.11ac VHT160	Right Side	0	114	South Star	Ant 0	3	98.50	1.02	9.50	9.45	1.01	0	<0.001	0.00
	WLAN5.6G	802.11ac VHT160	Top Side	0	114	South Star	Ant 0	3	98.50	1.02	9.50	9.45	1.01	-0.06	1.02	1.05
	WLAN5.6G	802.11ac VHT160	Bottom Side	0	114	South Star	Ant 0	3	98.50	1.02	9.50	9.45	1.01	0	<0.001	0.00
	WLAN5.6G	802.11ac VHT160	Rear Face	0	114	South Star	Ant 1	3	98.10	1.02	10.50	10.48	1.00	0.03	1.06	1.08
	WLAN5.6G	802.11ac VHT160	Left Side	0	114	South Star	Ant 1	3	98.10	1.02	10.50	10.48	1.00	0	<0.001	0.00
	WLAN5.6G	802.11ac VHT160	Right Side	0	114	South Star	Ant 1	3	98.10	1.02	10.50	10.48	1.00	0.12	0.049	0.05
3	WLAN5.6G	802.11ac VHT160	Top Side	0	114	South Star	Ant 1	3	98.10	1.02	10.50	10.48	1.00	-0.11	1.15	1.17
	WLAN5.6G	802.11ac VHT160	Bottom Side	0	114	South Star	Ant 1	3	98.10	1.02	10.50	10.48	1.00	0	<0.001	0.00
	WLAN5.6G	802.11ac VHT160	Top Side	0	114	Pulse	Ant 1	3	98.10	1.02	10.50	10.48	1.00	0.07	0.921	0.94
	WLAN5.6G	802.11ac VHT160	Top Side	0	114	South Star	Ant 1	1	98.10	1.02	10.50	10.48	1.00	0.04	0.805	0.82
	WLAN5.6G	802.11ac VHT160	Top Side	0	114	South Star	Ant 1	3	98.10	1.02	10.50	10.48	1.00	-0.11	1.11	1.13

Body SAR Test Result

System & Position						DUT & Accessory			SAR							
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	Ant Brand	Ant Status	Battery SKU	Duty Cycle	Crest Factor	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Scaling Factor	Power Drift (dB)	Measured SAR-1g (W/kg)	Scaled SAR-1g (W/kg)
	WLAN5.8G	802.11ac VHT80	Front for Laptop	0	155	South Star	Ant 0	3	98.30	1.02	8.50	8.49	1.00	0.08	1.02	1.04
	WLAN5.8G	802.11ac VHT80	Front for Laptop	0	155	South Star	Ant 1	3	97.80	1.02	9.00	8.93	1.02	0.05	1.06	1.10
	WLAN5.8G	802.11ac VHT80	Bottom for Laptop	0	155	South Star	Ant 0	3	98.30	1.02	8.50	8.49	1.00	0.04	0.177	0.18
	WLAN5.8G	802.11ac VHT80	Bottom for Laptop	0	155	South Star	Ant 1	3	97.80	1.02	9.00	8.93	1.02	-0.15	0.191	0.20
	WLAN5.8G	802.11ac VHT80	Rear Face	0	155	South Star	Ant 0	3	98.30	1.02	10.50	10.46	1.01	0.12	0.821	0.85
	WLAN5.8G	802.11ac VHT80	Left Side	0	155	South Star	Ant 0	3	98.30	1.02	10.50	10.46	1.01	0.04	0.052	0.05
	WLAN5.8G	802.11ac VHT80	Right Side	0	155	South Star	Ant 0	3	98.30	1.02	10.50	10.46	1.01	0	<0.001	0.00
	WLAN5.8G	802.11ac VHT80	Top Side	0	155	South Star	Ant 0	3	98.30	1.02	10.50	10.46	1.01	0.12	1.09	1.12
	WLAN5.8G	802.11ac VHT80	Bottom Side	0	155	South Star	Ant 0	3	98.30	1.02	10.50	10.46	1.01	0	<0.001	0.00
	WLAN5.8G	802.11ac VHT80	Rear Face	0	155	South Star	Ant 1	3	97.80	1.02	10.00	9.92	1.02	0.13	0.956	0.99
	WLAN5.8G	802.11ac VHT80	Left Side	0	155	South Star	Ant 1	3	97.80	1.02	10.00	9.92	1.02	0	<0.001	0.00
	WLAN5.8G	802.11ac VHT80	Right Side	0	155	South Star	Ant 1	3	97.80	1.02	10.00	9.92	1.02	-0.11	0.066	0.07
4	WLAN5.8G	802.11ac VHT80	Top Side	0	155	South Star	Ant 1	3	97.80	1.02	10.00	9.92	1.02	-0.11	1.12	1.17
	WLAN5.8G	802.11ac VHT80	Bottom Side	0	155	South Star	Ant 1	3	97.80	1.02	10.00	9.92	1.02	0	<0.001	0.00
	WLAN5.8G	802.11ac VHT80	Top Side	0	155	Pulse	Ant 1	3	97.80	1.02	10.00	9.92	1.02	0.11	1.03	1.07
	WLAN5.8G	802.11ac VHT80	Top Side	0	155	South Star	Ant 1	1	97.80	1.02	10.00	9.92	1.02	0.06	0.992	1.03
	WLAN5.8G	802.11ac VHT80	Top Side	0	155	South Star	Ant 1	3	97.80	1.02	10.00	9.92	1.02	0.02	1.11	1.15
	BT	BDR	Front for Laptop	0	78	South Star	Ant 0	3	76.66	1.30	10.00	9.89	1.03	0.12	0.121	0.16
	BT	BDR	Bottom for Laptop	0	78	South Star	Ant 0	3	76.66	1.30	10.00	9.89	1.03	0.11	0.094	0.13
	BT	BDR	Rear Face	0	78	South Star	Ant 0	3	76.66	1.30	10.00	9.89	1.03	0.09	0.222	0.30
	BT	BDR	Left Side	0	78	South Star	Ant 0	3	76.66	1.30	10.00	9.89	1.03	0.06	0.041	0.05
	BT	BDR	Right Side	0	78	South Star	Ant 0	3	76.66	1.30	10.00	9.89	1.03	0	<0.001	0.00
	BT	BDR	Top Side	0	78	South Star	Ant 0	3	76.66	1.30	10.00	9.89	1.03	0.02	0.11	0.15
	BT	BDR	Bottom Side	0	78	South Star	Ant 0	3	76.66	1.30	10.00	9.89	1.03	0	<0.001	0.00
5	BT	BDR	Rear Face	0	0	South Star	Ant 0	3	76.66	1.30	10.00	9.88	1.03	-0.03	0.281	0.38
	BT	BDR	Rear Face	0	39	South Star	Ant 0	3	76.66	1.30	10.00	9.81	1.04	0.15	0.271	0.37
	BT	BDR	Rear Face	0	0	Pulse	Ant 0	3	76.66	1.30	10.00	9.88	1.03	0.19	0.279	0.37
	BT	BDR	Rear Face	0	0	South Star	Ant 0	1	76.66	1.30	10.00	9.88	1.03	0.02	0.278	0.37

Annex G. SAR Measurement Variability

SAR repeated measurement are shown as below.

Repeat SAR							
Plot	Band	Mode	Test Position	Ch.	Original Measured SAR-1g (W/kg)	1st Repeated SAR-1g (W/kg)	L/S Ratio
R01	WLAN2.4G	802.11b	Rear Face	11	1.07	1.06	1.01
R02	WLAN5.3G	802.11ac VHT160	Top Side	50	1.12	1.09	1.03
R03	WLAN5.6G	802.11ac VHT160	Top Side	114	1.15	1.11	1.04
R04	WLAN5.8G	802.11ac VHT80	Top Side	155	1.12	1.11	1.01

Annex H. Analysis of Simultaneous Transmission SAR.

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 0	Yes
B	WLAN 2.4G_Ant 0 + WLAN 2.4G_Ant 1	Yes
C	WLAN 5G_Ant 0 + WLAN 5G_Ant 1	Yes
D	WLAN 5G_Ant 0 + BT_Ant 0	Yes
E	WLAN 5G_Ant 0 + WLAN 5G_Ant 1 + BT_Ant 0	Yes

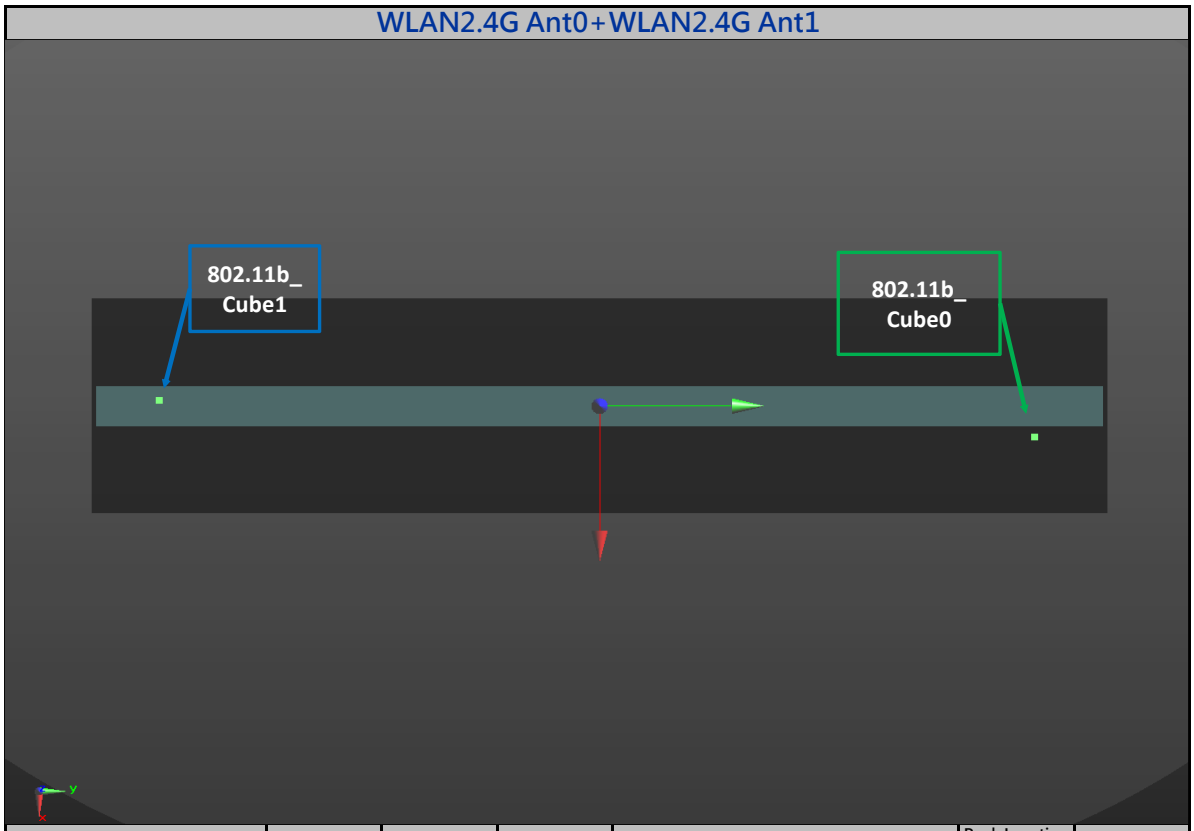
Notes

1. The WLAN 2.4G and WLAN 5G cannot transmit simultaneously.
2. Combination C and D are covered by combination E.

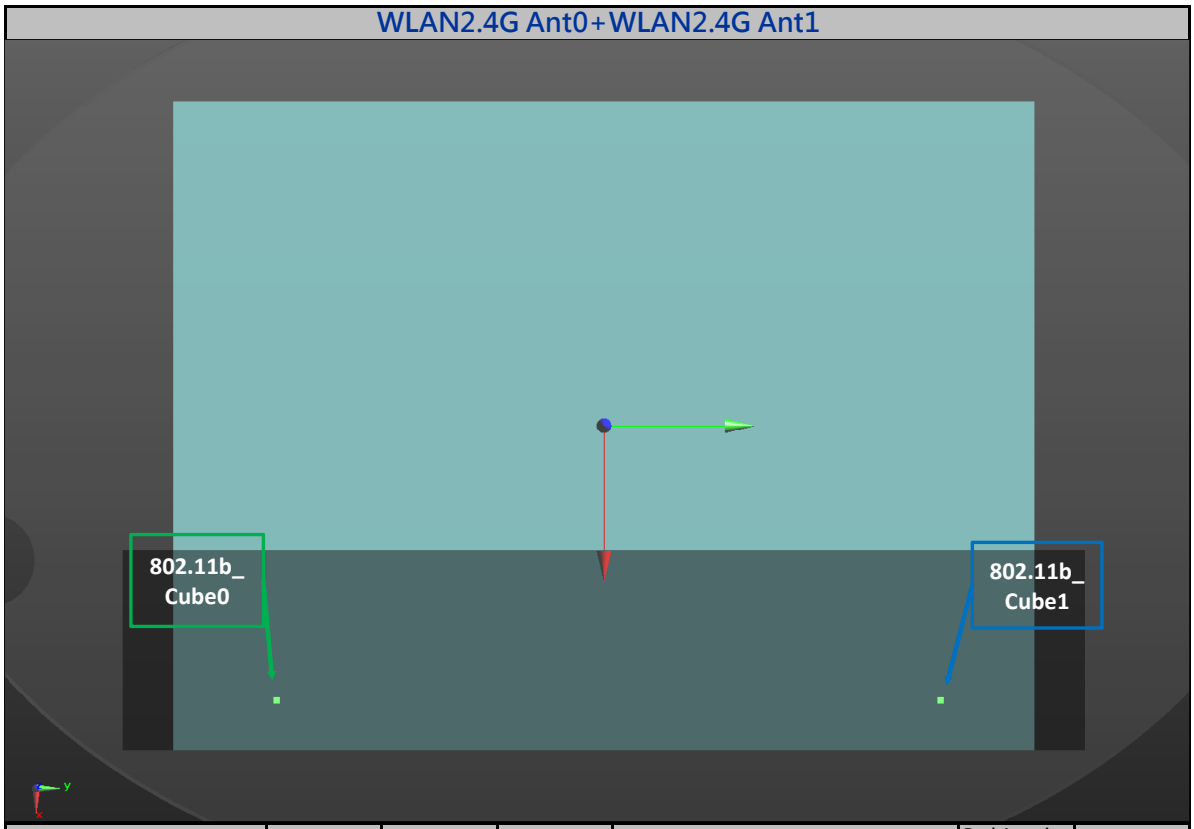
Simultaneous Transmission SAR Evaluation (Body)								
Position	1	2	4	5	6	A(1+6)	B(1+2)	C(4+5+6)
	WLAN 2.4GHz Ant 0	**WLAN 2.4GHz Ant 1**	**Max WLAN 5GHz Ant 0**	**Max WLAN 5GHz Ant 1**	**Max BT Ant 0**	Summimg result 1g SAR W/kg	Summimg result 1g SAR W/kg	Summimg result 1g SAR W/kg
	1g SAR W/kg	**1g SAR W/kg**	**1g SAR W/kg**	**1g SAR W/kg**	**1g SAR W/kg**			
Front for Laptop	1.08	1.08	1.14	1.12	0.16	1.24	2.16	2.42
Bottom for Laptop	0.43	0.72	0.18	0.20	0.13	0.56	1.15	0.51
Rear Face	1.10	1.05	0.86	1.08	0.38	1.48	2.15	2.32
Left Side	0.10	0.00	0.05	0.00	0.05	0.15	0.10	0.10
Right Side	0.00	0.09	0.00	0.07	0.00	0.00	0.09	0.07
Top Side	0.36	0.44	1.14	1.17	0.15	0.51	0.80	**2.46**
Bottom Side	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Annex I. SAR to Peak Location Separation Ratio Analysis.

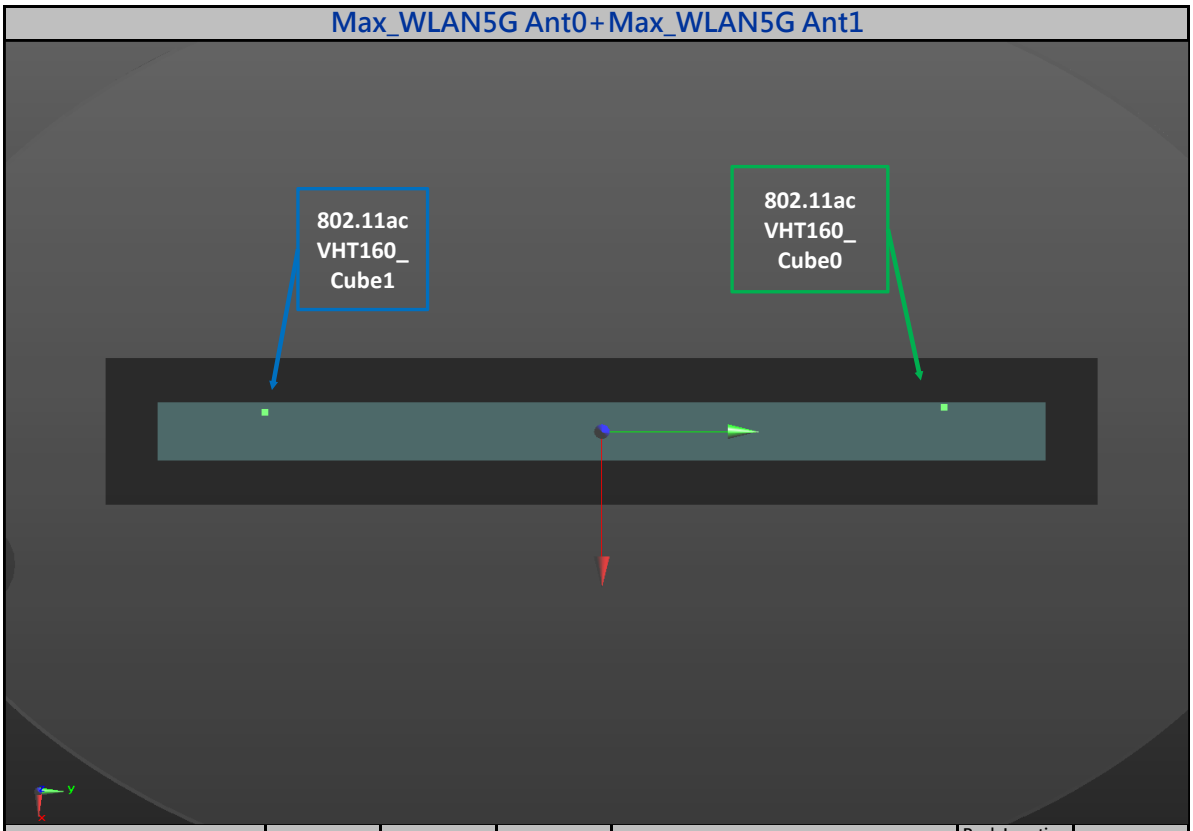
The result of analysis are shown as below.



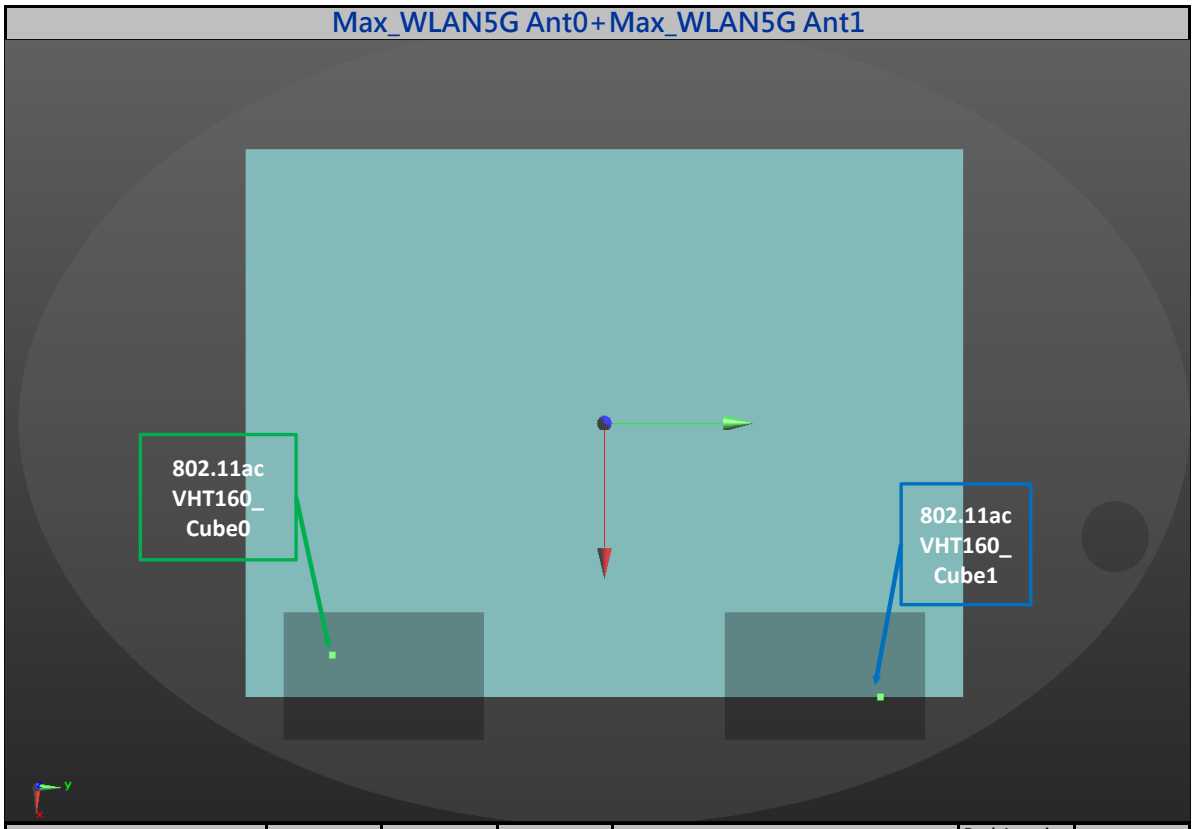
Conditions	Exposure Condition	Test Position	SAR Value (W/kg)	Coordinates			Peak Location Separation Distance (Ri, mm)	SPLSR
				x	y	z		
802.11b_Ch11_Cube0	Body	Front for Laptop	1.08	11	154	0.42	310.4	0.01
802.11b_Ch11_Cube1			1.08	-4	-156	-0.1		



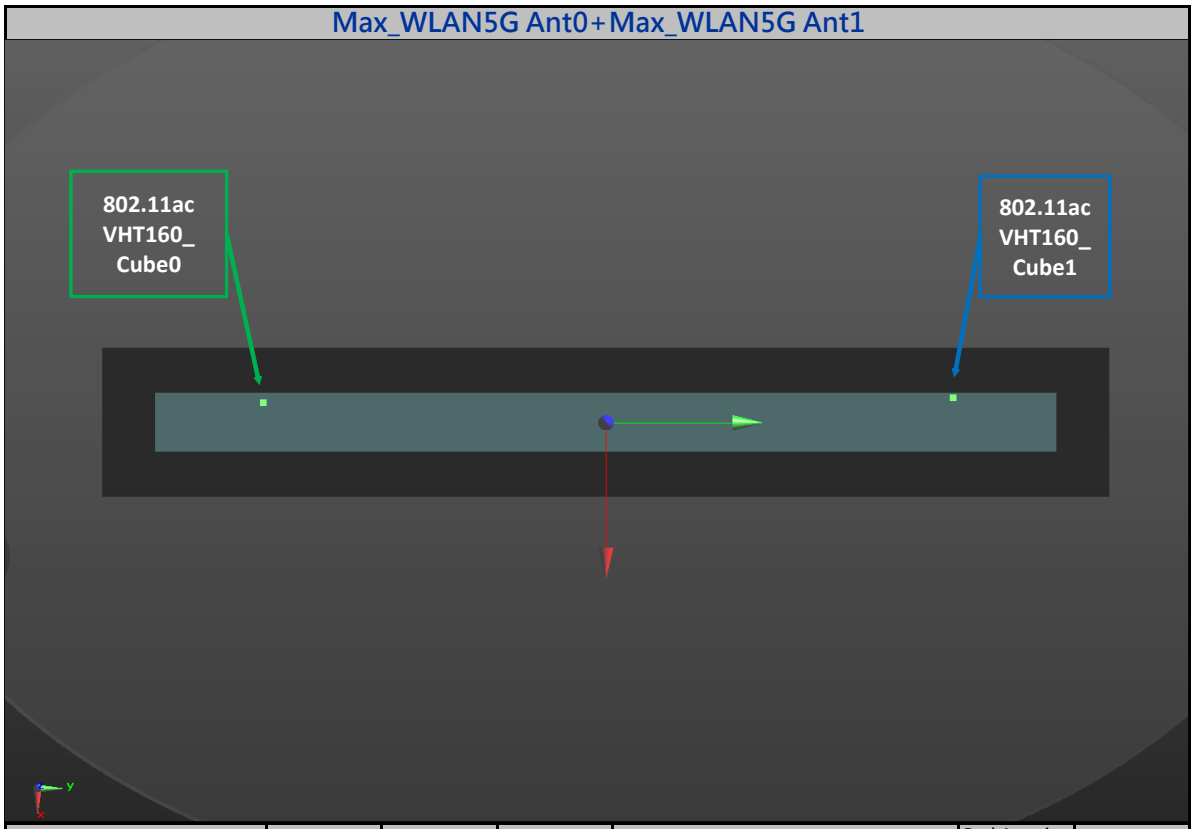
Conditions	Exposure Condition	Test Position	SAR Value (W/kg)	Coordinates			Peak Location Separation Distance (Ri, mm)	SPLSR
				x	y	z		
802.11b_Ch11_Cube0	Body	Rear Face	1.1	114	140	-1.43	278.0	0.01
802.11b_Ch11_Cube1			1.05	115	-138	-1.58		



Conditions	Exposure Condition	Test Position	SAR Value (W/kg)	Coordinates			Peak Location Separation Distance (Ri, mm)	SPLSR
				x	y	z		
802.11ac VHT160_Ch50_Cube0	Body	Front for Laptop	1.14	9.2	130.8	0.33	264.7	0.01
802.11ac VHT160_Ch114_Cube1			1.12	-4	-133.6	-0.08		



Conditions	Exposure Condition	Test Position	SAR Value (W/kg)	Coordinates			Peak Location Separation Distance (Ri, mm)	SPLSR
				x	y	z		
802.11ac VHT160_Ch114_Cube0	Body	Rear Face	0.86	116.4	-133.6	-0.2	268.1	0.01
802.11ac VHT160_Ch114_Cube1			1.08	132.4	134	-0.01		



Conditions	Exposure Condition	Test Position	SAR Value (W/kg)	Coordinates			Peak Location Separation Distance (Ri, mm)	SPLSR
				x	y	z		
802.11ac VHT160_Ch50_Cube0	Body	Top Side	1.14	-10.8	-132	-3.11	266.4	0.01
802.11ac VHT160_Ch114_Cube1			1.17	-7.6	134.4	-3		

Annex J. Calibration of Test Equipment List

Calibration of Test Equipment List are shown as below.

Equipment for SAR Test					
Equipment	Manufacturer	Model	SN	Cal. Date	Cal. Interval
System Validation Dipole	SPEAG	D2450V2	737	Aug. 26, 2021	1 Year
System Validation Dipole	SPEAG	D5GHzV2	1019	Mar. 19, 2021	2 Year
Dosimetric E-Field Probe	SPEAG	EX3DV4	7736	May. 30, 2022	1 Year
Data Acquisition Electronics	SPEAG	DAE3	579	Jun. 01, 2022	1 Year
Spectrum Analyzer	R&S	FSL6	102006	Apr. 13, 2022	1 Year
Universal Wireless Test Set	Anritsu	MT8870A	6201699387	Sep. 22, 2021	1 Year
Thermometer	YFE	YF-160A	120702365	Aug. 06, 2021	1 Year
Dielectric Assessment Kit	SPEAG	DAKS-3.5	1092	May. 23, 2022	1 Year
Dielectric Assessment Kit	SPEAG	DAKS_VNA R140	0010917	May. 23, 2022	1 Year
Powersource1	SPEAG	SE_UMS_160 BA	1052	Aug. 25, 2021	1 Year

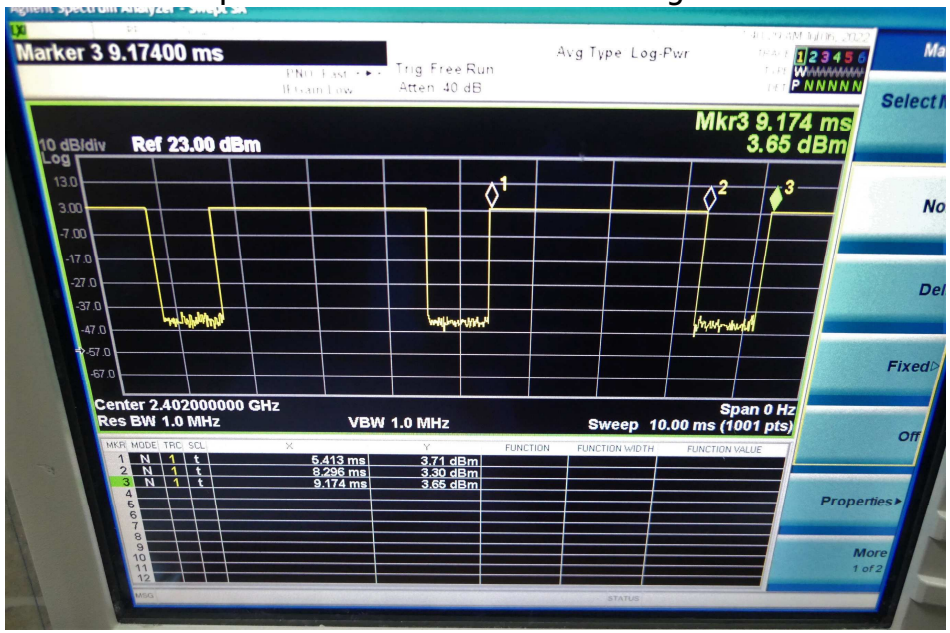
Annex K. Considerations Related to Bluetooth for Setup and Testing

This device has installed Bluetooth engineering testing software which can provide continuous transmitting RF signal. During Bluetooth SAR testing, this device was operated to transmit continuously at the maximum transmission duty with specified transmission mode, operating frequency, lowest data rate, and maximum output power.

The Bluetooth call box has been used during SAR measurement and the EUT was set to **DH5** mode at the maximum output power. Its duty factor was calculated as below and the measured SAR for Bluetooth would be scaled to the 100% transmission duty factor to determine compliance.

The duty factor of Bluetooth signal are shown as below.

<Time-domain plot for Bluetooth transmission signal>



Time-domain plot for Bluetooth transmission signal

The duty factor of Bluetooth signal has been calculated as following.
Duty Factor = Pulse Width / Total Period = (8.296 - 5.413) / (9.174 - 5.413) = 76.66%

Annex L. Verifying the Mechanism Operation of Gravity-sensor

The power verified by LCD angle changed are shown as below.

Note:

1. WLAN2.4G and WLAN5G had supported G-sensor and the selection of G-Sensor experimental verification is based on the test result of worst SAR value(WLAN5.6G_802.11ac VHT160_Top Side_Ch.114_Ant 1).

1.Hall Effect and Gravity-Sensor

Orientation 1	<A> From close mode 0 degrees, open the screen in 10 degree step until laptop mode is obtained.																																			
Laptop mode	Degree	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360
	Power	8.91	8.95	8.93	8.94	8.98																																
Range of trigger angle	<B> Move back by 5 degree, until close mode is reobtained.																																			
240	Degree	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	...	270	275	280	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355
	Power							8.92	8.95	8.98																												
	<C> Open the screen in 1 degree steps until laptop mode is reobtained and continue opening the screen in 1 degree steps at least 5 degrees.																																			
	Degree	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
	Power																															8.92	8.96	8.91	8.97	8.94	8.98	
	<D> Then continue opening the screen in 10 degree steps until tablet mode is obtained.																																			
	Degree	0	10	20	35	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360
	Power													.....										8.96	8.98	8.93	10.45	10.46	10.45	10.43	10.41	10.46	10.47	10.45	10.41	10.46	10.45	10.43
Orientation 2	<A> From close mode 0 degrees, open the screen in 10 degree step until laptop mode is obtained.																																			
Tablet mode	Degree	360	350	340	330	320	310	300	290	280	270	260	250	240	230	220	210	200	190	180	170	160	150	140	130	120	110	100	90	80	70	60	50	40	30	20	10	0
	Power	10.43	10.46	10.45	10.43	10.46	10.45	10.47	10.46	10.45	10.38	10.33	10.34	8.94																								
Range of trigger angle	<B> Move back by 5 degree, until close mode is reobtained.																																			
240	Degree	360	355	350	345	340	335	330	325	320	315	310	305	300	.....				250	245	240	235	230	225	220	215	210	205	200	195	.....				15	10	5	0
	Power																			10.45	8.94																	
	<C> Open the screen in 1 degree steps until laptop mode is reobtained and continue opening the screen in 1 degree steps at least 5 degrees.																																			
	Degree	360	359	358	357	356	355	354	353	352	351	350	349	348	.....				245	244	243	242	241	240	239	238	237	236	235	234	233	232	231	230	229	228	227	226
	Power																		10.45	10.46	10.45	10.45	10.43	8.91	8.95	8.97	8.95	8.91	8.92									
	<D> Then continue opening the screen in 10 degree steps until Close mode is obtained.																																			
	Degree	360	350	340	330	320	310	300	290	280	270	260	250	236	230	220	210	200	190	180	170	160	150	140	130	120	110	100	90	80	70	60	50	40	30	20	10	0
	Power													8.98	8.97	8.96	8.92	8.95	8.91	8.93	8.91	8.9	8.38	8.97	8.95	8.93	8.97	8.81	8.91	8.95	8.92	8.85	8.88	8.91	8.92			