

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: 2022/7/12

S01 System Check_H2450_220712

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

Communication System: UID 0, CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium: H19T27N1_0712 Medium parameters used (interpolated): $f = 2450$ MHz; $\sigma = 1.864$ S/m; $\epsilon_r = 38.07$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C ; Liquid Temperature : 23.1 °C

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) = 4.26 W/kg

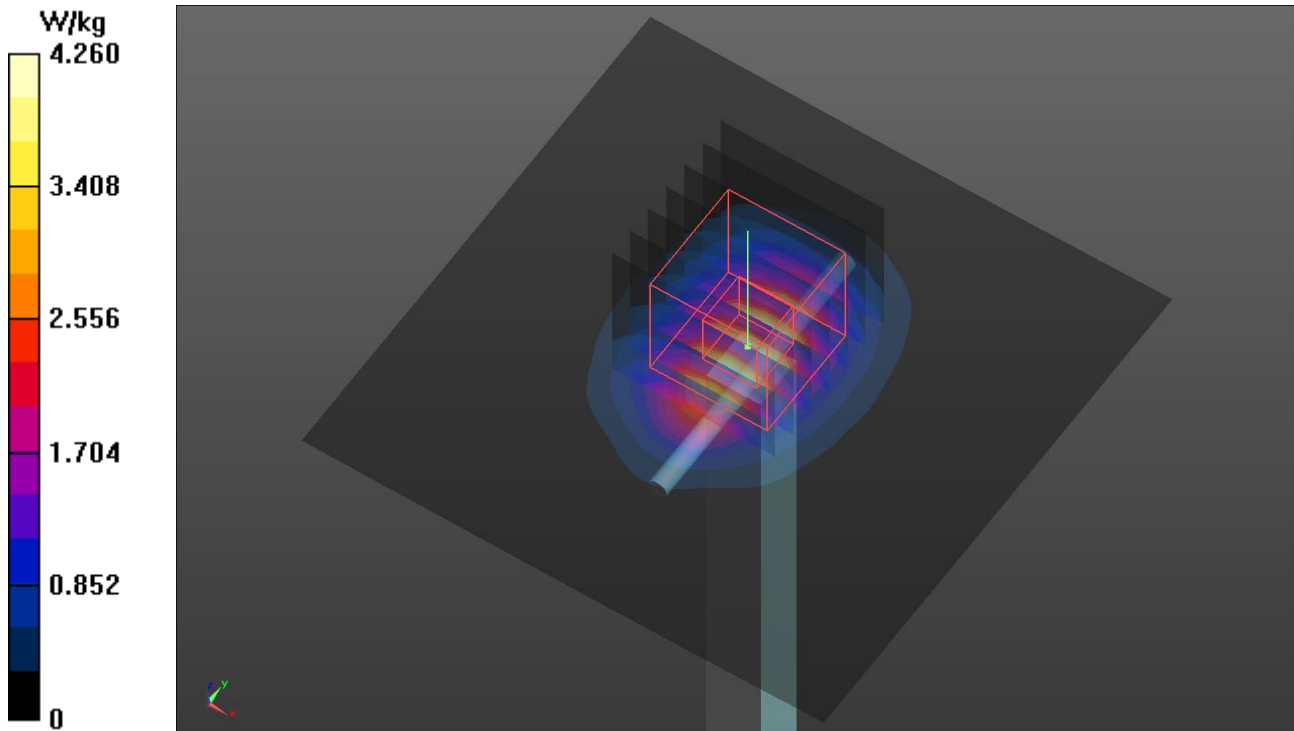
Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 47.86 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 5.21 W/kg

SAR(1 g) = 2.42 W/kg; SAR(10 g) = 1.15 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 4.19 W/kg



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/07/14

S02 System Check_H5250_220714

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

Communication System: UID 0, CW; Frequency: 5250 MHz; Duty Cycle: 1:1

Medium: H34T60N1_0714 Medium parameters used: $f = 5250$ MHz; $\sigma = 4.699$ S/m; $\epsilon_r = 36.155$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C ; Liquid Temperature : 23.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(5.28, 5.28, 5.28) @ 5250 MHz; Calibrated: 2022/03/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2022/03/23
- Phantom: ELI Phantom_1043; 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) = 9.28 W/kg

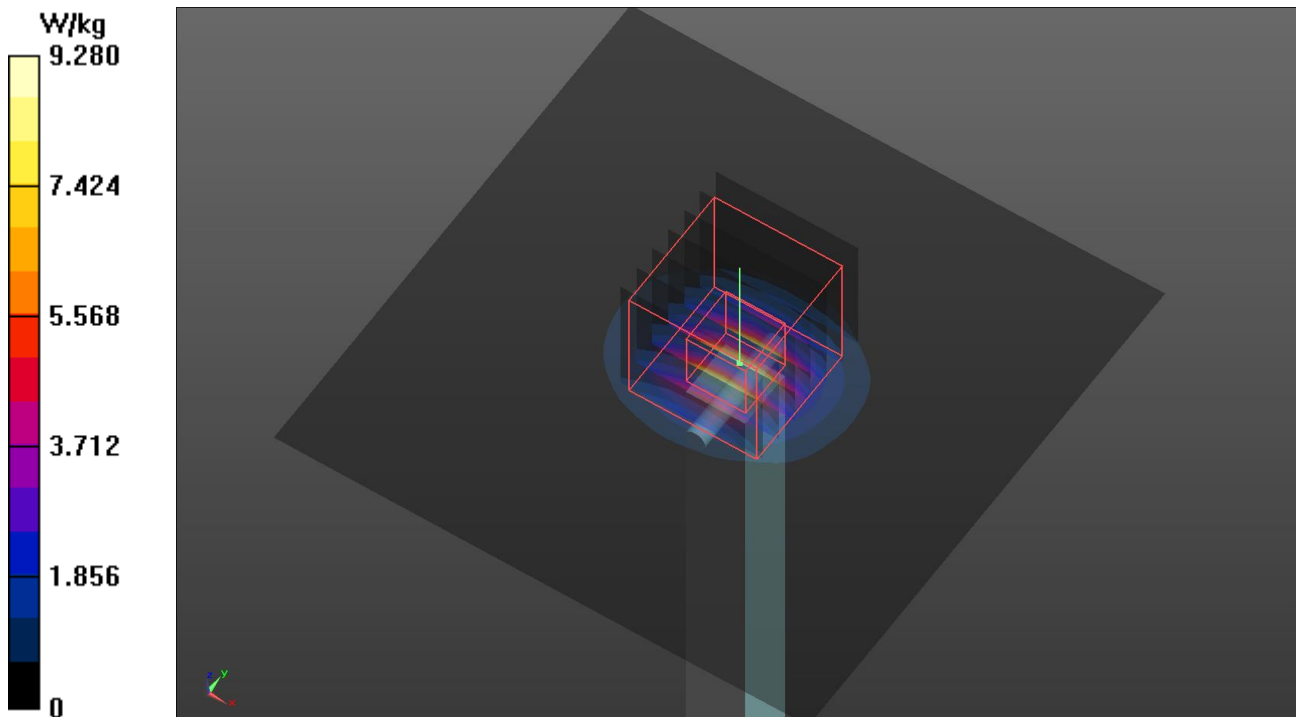
Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 49.12 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 15.7 W/kg

SAR(1 g) = 4 W/kg; SAR(10 g) = 1.14 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: 2022/7/13

S03 System Check_H5600_220713

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

Communication System: UID 0, CW; Frequency: 5600 MHz; Duty Cycle: 1:1

Medium: H34T60N1_0713 Medium parameters used: $f = 5600$ MHz; $\sigma = 5.193$ S/m; $\epsilon_r = 35.559$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C ; Liquid Temperature : 23.3 °C

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) = 10.3 W/kg

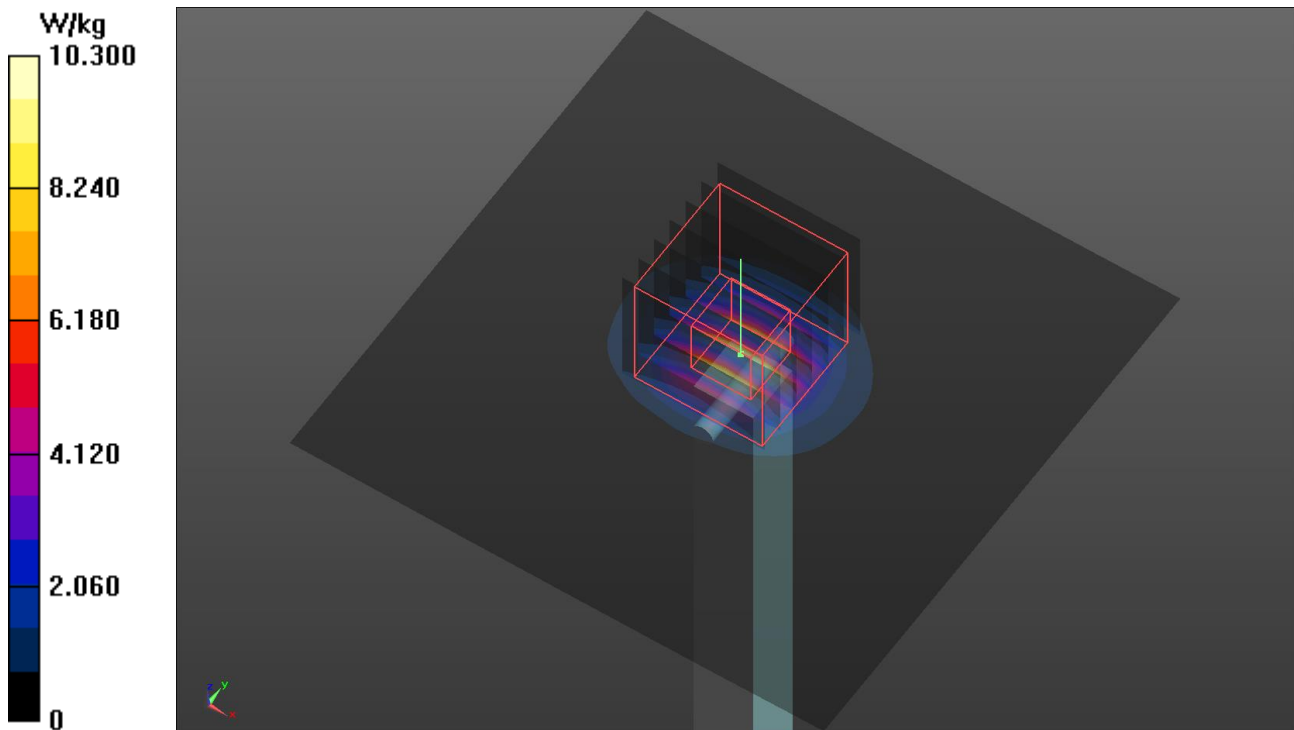
Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 48.36 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 18.9 W/kg

SAR(1 g) = 4.26 W/kg; SAR(10 g) = 1.21 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: 2022/7/14

S04 System Check_H5750_220714

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

Communication System: UID 0, CW; Frequency: 5750 MHz; Duty Cycle: 1:1

Medium: H34T60N1_0714 Medium parameters used: $f = 5750$ MHz; $\sigma = 5.305$ S/m; $\epsilon_r = 34.336$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.2 °C

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) = 9.37 W/kg

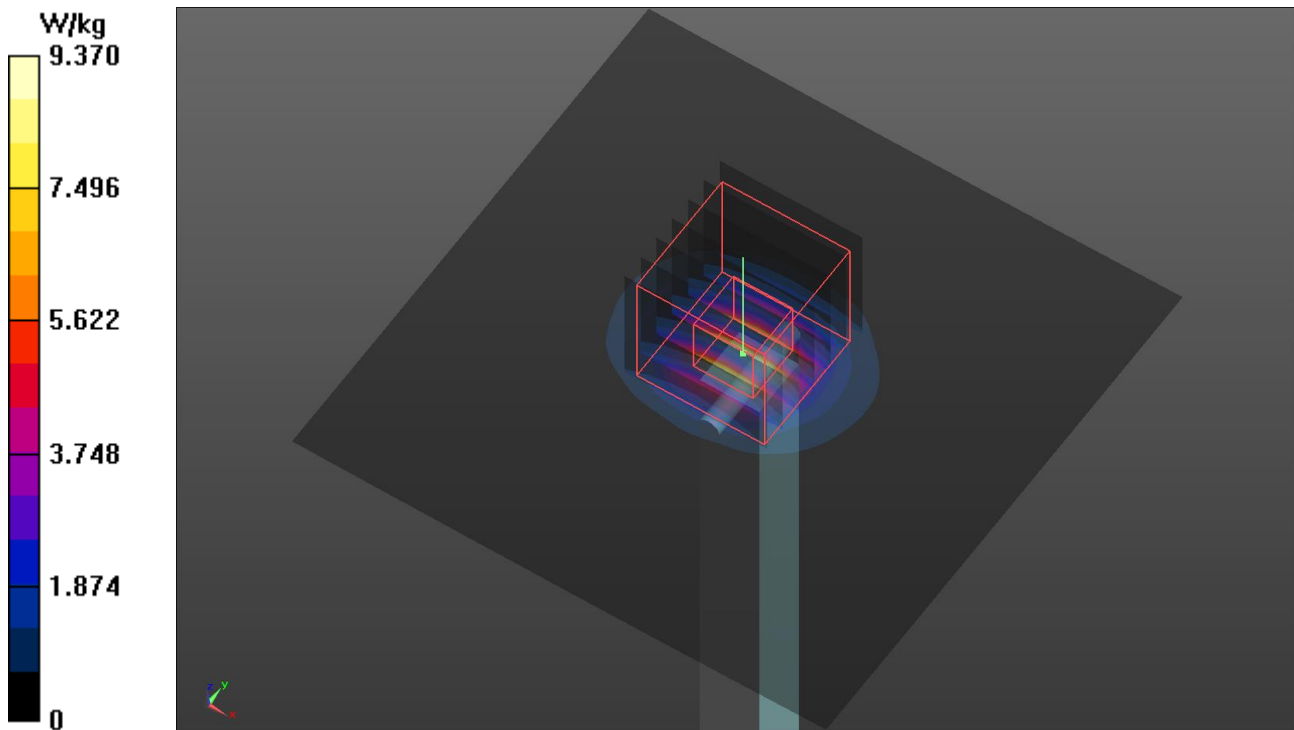
Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 45.67 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 17.5 W/kg

SAR(1 g) = 3.88 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: 2022/07/14

S05 System Check_H2450_220714

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

Communication System: UID 0, CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium: H19T27N1_0714 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.757$ S/m; $\epsilon_r = 38.55$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C ; Liquid Temperature : 23.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.82, 7.82, 7.82) @ 2450 MHz; Calibrated: 2022/03/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2022/03/23
- Phantom: ELI Phantom_1043; 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) = 4.02 W/kg

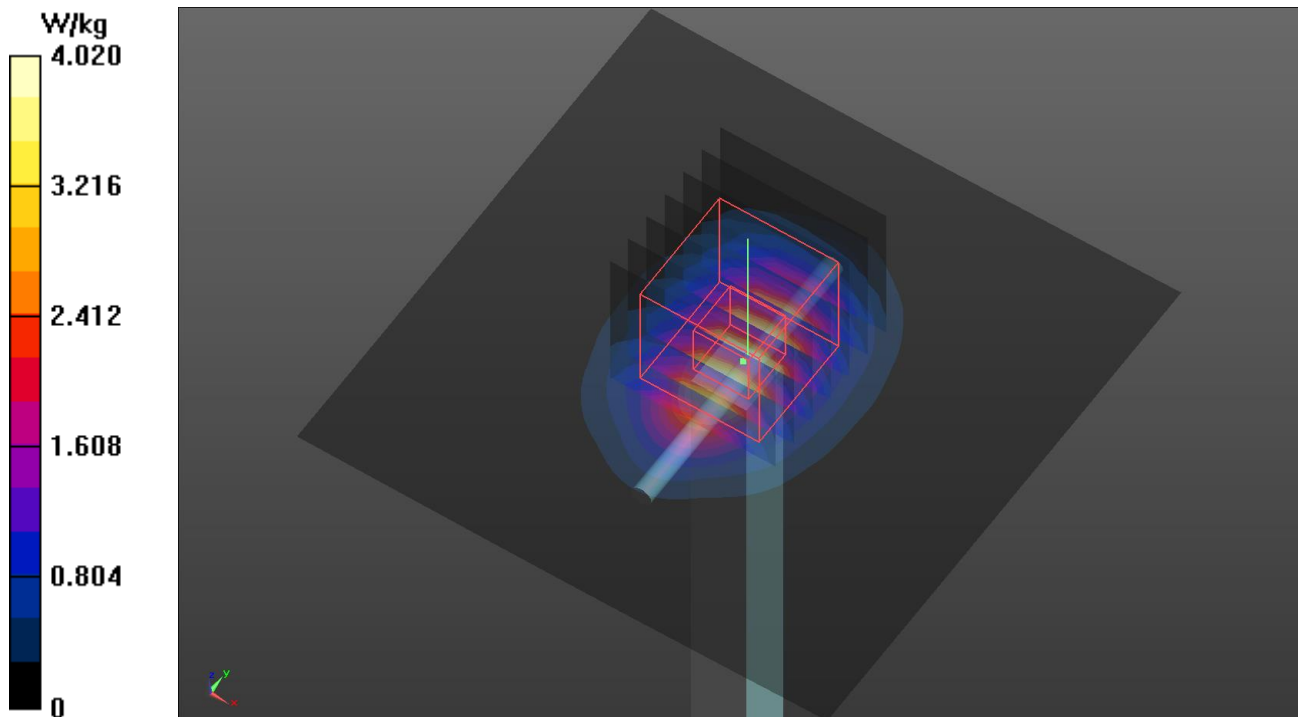
Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 49.14 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 5.06 W/kg

SAR(1 g) = 2.4 W/kg; SAR(10 g) = 1.13 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 3.99 W/kg



Plots of Measurement

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: 2022/7/12

P01 WLAN2.4G_802.11b_Rear Face_0mm_Ch1_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: 2412 MHz; Duty Cycle: 1:1

Medium: H19T27N1_0712 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.828$ S/m; $\epsilon_r = 38.231$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C ; Liquid Temperature : 23.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7736; ConvF(8.12, 8.12, 8.12) @ 2412 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 (51x321x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 4.81 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 53.04 V/m; Power Drift = -0.09 dB

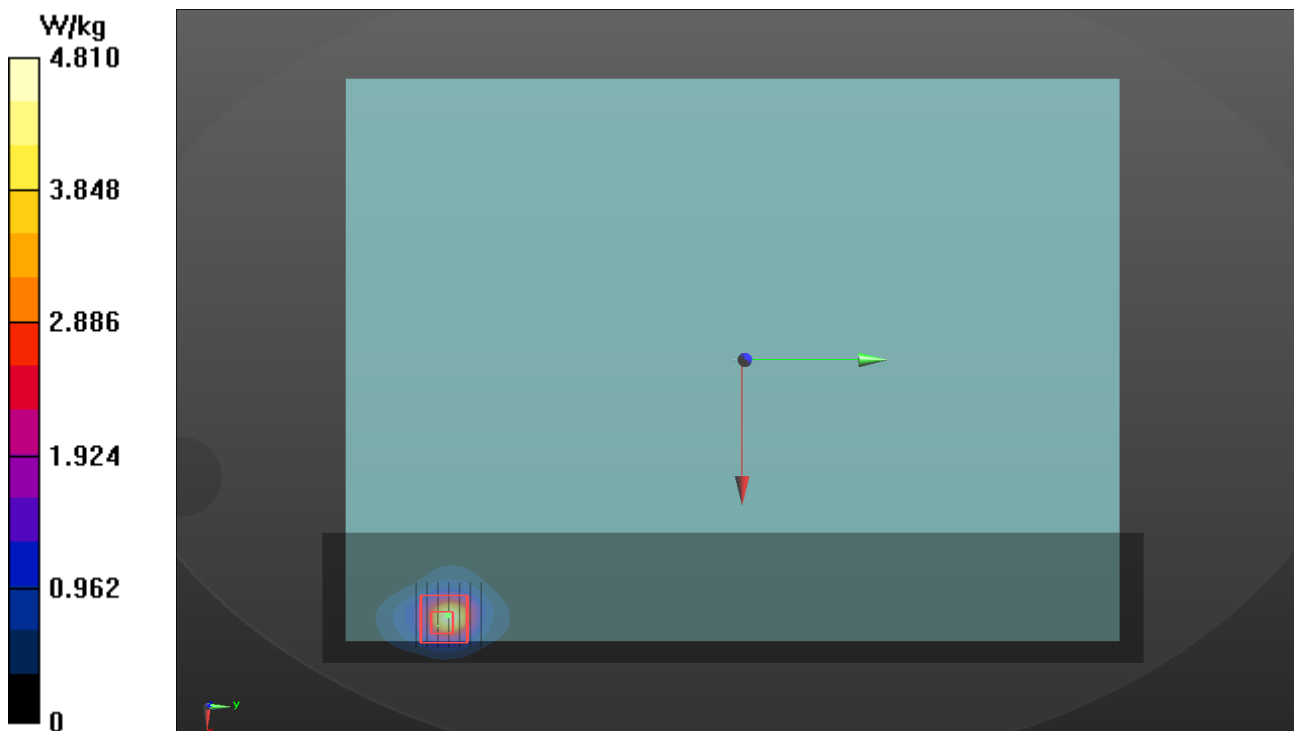
Peak SAR (extrapolated) = 2.51 W/kg

SAR(1 g) = 1.11 W/kg; SAR(10 g) = 0.403 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 = 42.3%

Maximum value of SAR (measured) = 1.87 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/07/14

P02 WLAN5.3G_802.11ac VHT80_Top Side_0mm_Ch58_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: 5290 MHz; Duty Cycle: 1:1

Medium: H34T60N1_0714 Medium parameters used: $f = 5290$ MHz; $\sigma = 4.688$ S/m; $\epsilon_r = 35.913$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C ; Liquid Temperature : 23.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(5.28, 5.28, 5.28) @ 5290 MHz; Calibrated: 2022/03/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2022/03/23
- Phantom: ELI Phantom_1043; 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) = 3.61 W/kg

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

Reference Value = 30.47 V/m; Power Drift = -0.07 dB

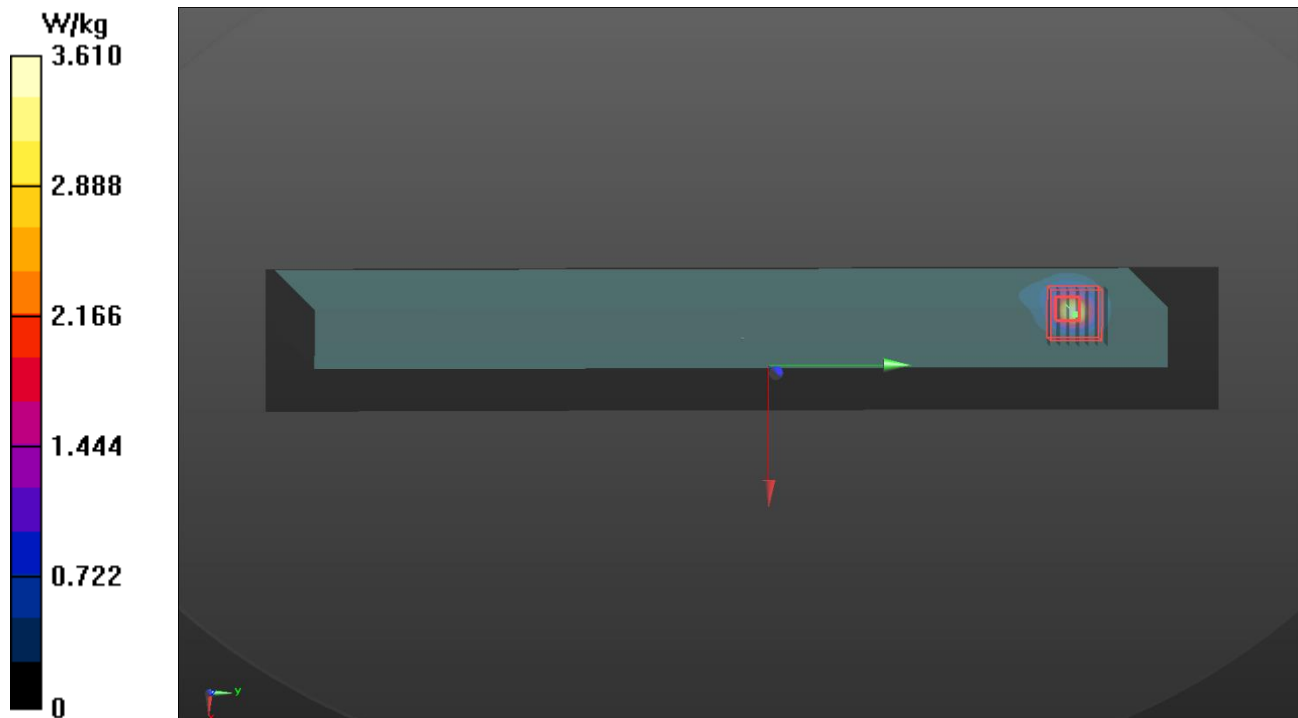
Peak SAR (extrapolated) = 5.03 W/kg

SAR(1 g) = 1.09 W/kg; SAR(10 g) = 0.223 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 = 65.3%

Maximum value of SAR (measured) = 2.94 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/7/13

P03 WLAN5.6G_802.11ac VHT80_Top Side_0mm_Ch106_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: 5530 MHz; Duty Cycle: 1:1

Medium: H34T60N1_0713 Medium parameters used: $f = 5530$ MHz; $\sigma = 5.072$ S/m; $\epsilon_r = 35.867$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C ; Liquid Temperature : 23.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7736; ConvF(4.93, 4.93, 4.93) @ 5530 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) = 1.79 W/kg

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

Reference Value = 20.89 V/m; Power Drift = 0.11 dB

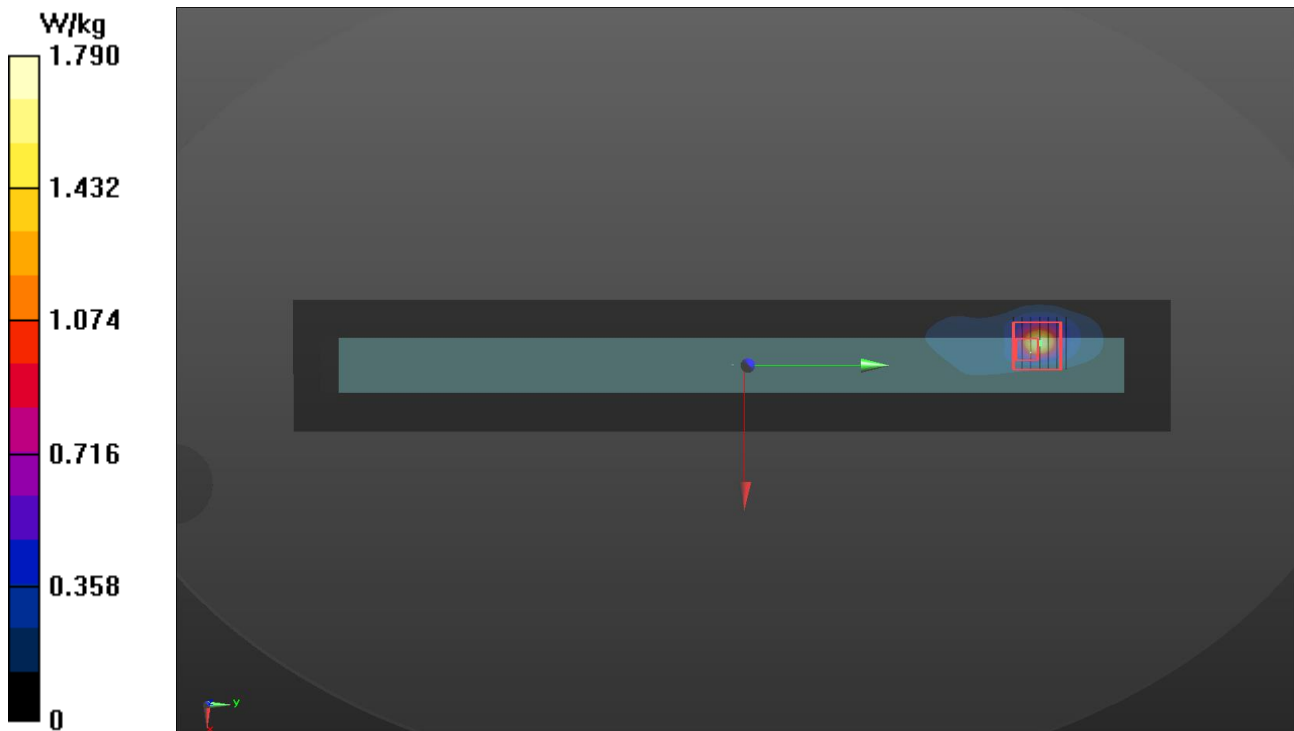
Peak SAR (extrapolated) = 5.28 W/kg

SAR(1 g) = 1.16 W/kg; SAR(10 g) = 0.198 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 5.1 mm

Ratio of SAR at M2 to SAR at M1 = 61.6%

Maximum value of SAR (measured) = 2.74 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/7/14

P04 WLAN5.8G_802.11ac VHT80_Top Side_0mm_Ch155_Ant Brand_South Star_Ant 0_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

Medium: H34T60N1_0714 Medium parameters used: $f = 5775$ MHz; $\sigma = 5.351$ S/m; $\epsilon_r = 34.24$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.2 °C

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) = 2.88 W/kg

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

Reference Value = 23.26 V/m; Power Drift = -0.07 dB

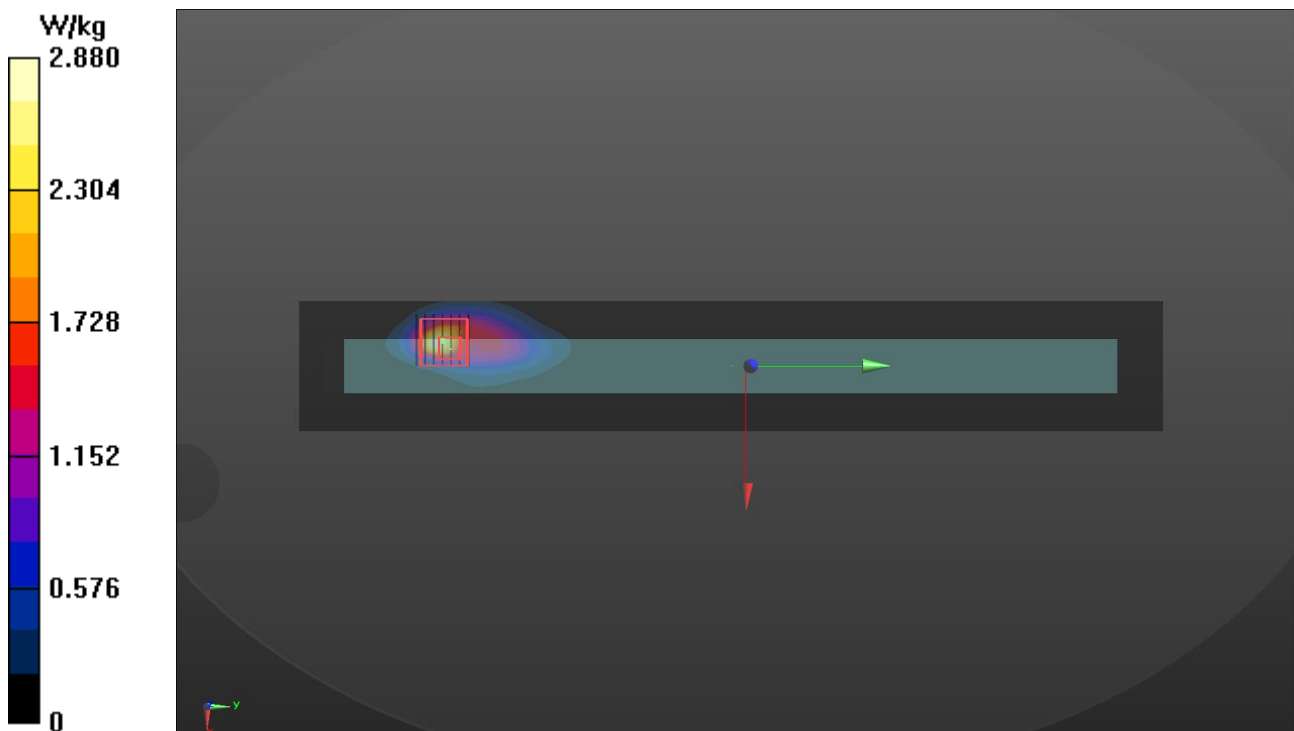
Peak SAR (extrapolated) = 6.02 W/kg

SAR(1 g) = 1.15 W/kg; SAR(10 g) = 0.281 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 = 60.7%

Maximum value of SAR (measured) = 3.33 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/07/14

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: 1:1.32

Medium: H19T27N1_0714 Medium parameters used: $f = 2402$ MHz; $\sigma = 1.704$ S/m; $\epsilon_r = 38.748$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C ; Liquid Temperature : 23.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.82, 7.82, 7.82) @ 2402 MHz; Calibrated: 2022/03/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2022/03/23
- Phantom: ELI Phantom_1043; Type: QD OVA 002 Ax;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (91x321x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 0.477 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 13.74 V/m; Power Drift = 0.07 dB

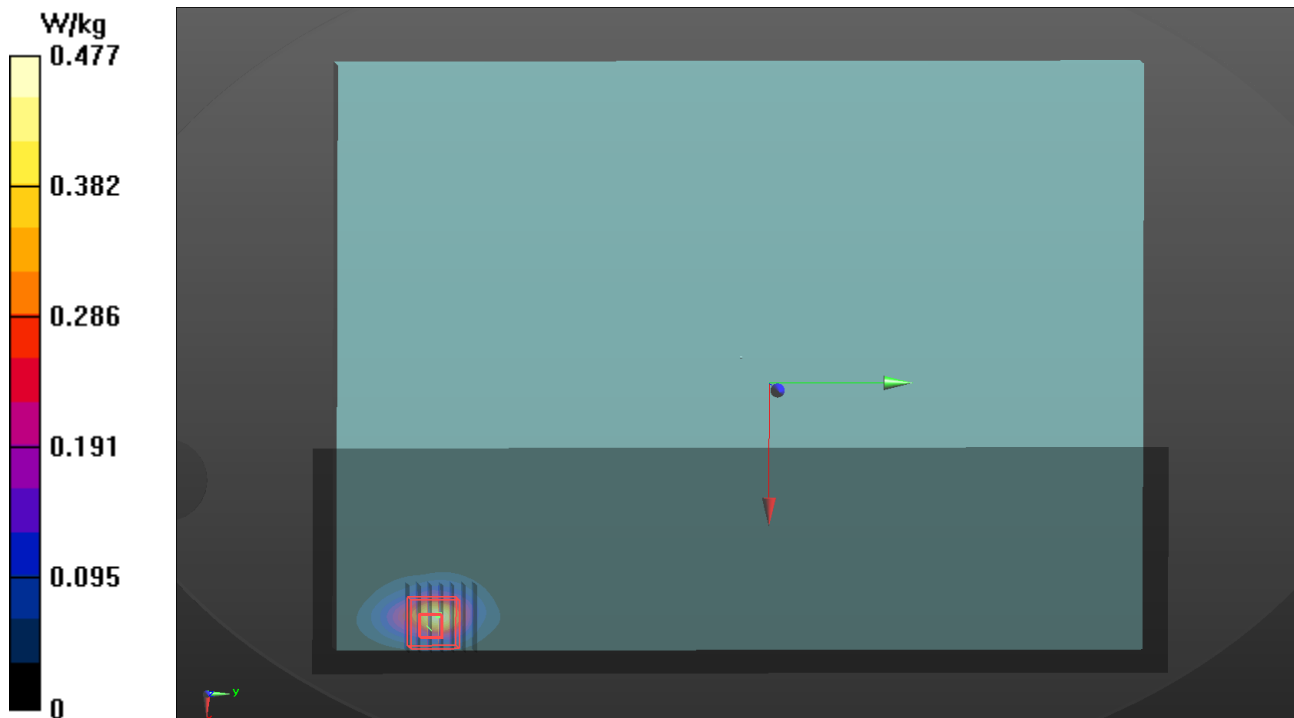
Peak SAR (extrapolated) = 0.706 W/kg

SAR(1 g) = 0.255 W/kg; SAR(10 g) = 0.104 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 8 mm

Ratio of SAR at M2 to SAR at M1 = 45.4%

Maximum value of SAR (measured) = 0.561 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 °C.
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. (°C)	Conductivity (σ)	Permittivity (ε _r)	Targeted Conductivity (σ)	Targeted Permittivity (ε _r)	Deviation Conductivity (σ)	Deviation Permittivity (ε _r)	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	23.1	1.864	38.07	1.8	39.2	3.56	-2.88	Pass	Pass	Pass	OFDM	N/A	Pass	Jul. 12, 2022	2450	52.60	2.42	48.29	-8.20	737	7736	579	17
S02	5250	23.3	4.699	36.155	4.71	35.9	-0.23	0.71	Pass	Pass	Pass	OFDM	N/A	Pass	Jul. 14, 2022	5250	80.60	4	79.81	-0.98	1019	3650	861	17
S03	5600	23.3	5.193	35.559	5.07	35.5	2.43	0.17	Pass	Pass	Pass	OFDM	N/A	Pass	Jul. 13, 2022	5600	82.40	4.26	85.00	3.15	1019	7736	579	17
S04	5750	23.2	5.305	34.336	5.22	35.4	1.63	-3.01	Pass	Pass	Pass	OFDM	N/A	Pass	Jul. 14, 2022	5750	79.40	3.88	77.42	-2.50	1019	7736	579	17
S05	2450	23.3	1.757	38.55	1.8	39.2	-2.39	-1.66	Pass	Pass	Pass	OFDM	N/A	Pass	Jul. 14, 2022	2450	52.60	2.4	47.89	-8.96	737	3650	861	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	17.00	19.00
	6	2437	17.00	19.00
	11	2462	17.00	19.00
	12	2467	15.50	15.50
	13	2472	9.00	9.00
802.11g	1	2412	17.00	17.00
	6	2437	17.00	18.50
	11	2462	17.00	17.00
	12	2467	12.00	12.00
	13	2472	7.00	7.00
802.11n HT20	1	2412	16.50	16.50
	6	2437	17.00	18.00
	11	2462	16.50	16.50
	12	2467	10.00	10.00
	13	2472	5.50	5.50
802.11n HT40	3	2422	15.00	15.00
	6	2437	16.00	16.00
	9	2452	15.00	15.00
	10	2457	8.50	8.50
	11	2462	6.50	6.50
802.11ax HE20	1	2412	17.00	17.00
	6	2437	17.00	18.00
	11	2462	16.50	16.50
	12	2467	10.50	10.50
	13	2472	6.00	6.00
802.11ax HE40	3	2422	15.00	15.00
	6	2437	16.00	16.00
	9	2452	15.00	15.00
	10	2457	8.50	8.50
	11	2462	6.50	6.50

WLAN Tune-up Power (Laptop)				
Bluetooth				
Mode	Channel	Frequency	Ant 0 Max Tune-up	
BR / EDR	0	2402	11.50	
	39	2441	11.50	
	78	2480	11.50	
LE	0	2402	11.50	
	19	2440	11.50	
	39	2480	11.50	

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	6.50	8.50
	40	5200	6.50	8.50
	44	5220	6.50	8.50
	48	5240	6.50	8.50
802.11n HT20	36	5180	6.50	8.50
	40	5200	6.50	8.50
	44	5220	6.50	8.50
	48	5240	6.50	8.50
802.11n HT40	38	5190	6.50	8.50
	46	5230	6.50	8.50
802.11ac VHT80	42	5210	6.50	8.50
802.11ax HE20	36	5180	6.50	8.50
	40	5200	6.50	8.50
	44	5220	6.50	8.50
	48	5240	6.50	8.50
802.11ax HE40	38	5190	6.50	8.50
	46	5230	6.50	8.50
802.11ax HE80	42	5210	6.50	8.50

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	6.50	8.50
	56	5280	6.50	8.50
	60	5300	6.50	8.50
	64	5320	6.50	8.50
802.11n HT20	52	5260	6.50	8.50
	56	5280	6.50	8.50
	60	5300	6.50	8.50
	64	5320	6.50	8.50
802.11n HT40	54	5270	6.50	8.50
	62	5310	6.50	8.50
802.11ac VHT80	58	5290	6.50	8.50
802.11ax HE20	52	5260	6.50	8.50
	56	5280	6.50	8.50
	60	5300	6.50	8.50
	64	5320	6.50	8.50
802.11ax HE40	54	5270	6.50	8.50
	62	5310	6.50	8.50
802.11ax HE80	58	5290	6.50	8.50

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	8.50	10.00
	116	5580	8.50	10.00
	120	5600	8.50	10.00
	124	5620	8.50	10.00
	132	5660	8.50	10.00
	140	5700	8.50	10.00
	144	5720	8.50	10.00
802.11n HT20	100	5500	8.50	10.00
	116	5580	8.50	10.00
	120	5600	8.50	10.00
	124	5620	8.50	10.00
	132	5660	8.50	10.00
	140	5700	8.50	10.00
	144	5720	8.50	10.00
802.11n HT40	102	5510	8.50	10.00
	110	5550	8.50	10.00
	118	5590	8.50	10.00
	126	5630	8.50	10.00
	134	5670	8.50	10.00
	142	5710	8.50	10.00
802.11ac VHT80	106	5530	8.50	10.00
	122	5610	8.50	10.00
	138	5690	8.50	10.00
802.11ax HE20	100	5500	8.50	10.00
	116	5580	8.50	10.00
	120	5600	8.50	10.00
	124	5620	8.50	10.00
	132	5660	8.50	10.00
	140	5700	8.50	10.00
	144	5720	8.50	10.00
802.11ax HE40	102	5510	8.50	10.00
	110	5550	8.50	10.00
	118	5590	8.50	10.00
	126	5630	8.50	10.00
	134	5670	8.50	10.00
	142	5710	8.50	10.00
802.11ax HE80	106	5530	8.50	10.00
	122	5610	8.50	10.00
	138	5690	8.50	10.00

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	9.50	10.00
	153	5765	9.50	10.00
	157	5785	9.50	10.00
	161	5805	9.50	10.00
	165	5825	9.50	10.00
802.11n HT20	149	5745	9.50	10.00
	153	5765	9.50	10.00
	157	5785	9.50	10.00
	161	5805	9.50	10.00
	165	5825	9.50	10.00
802.11n HT40	151	5755	9.50	10.00
	159	5795	9.50	10.00
802.11ac VHT80	155	5775	9.50	10.00
802.11ax HE20	149	5745	9.50	10.00
	153	5765	9.50	10.00
	157	5785	9.50	10.00
	161	5805	9.50	10.00
	165	5825	9.50	10.00
802.11ax HE40	151	5755	9.50	10.00
	159	5795	9.50	10.00
802.11ax HE80	155	5775	9.50	10.00

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	18.0	12.5
	6	2437	18.0	12.5
	11	2462	18.0	12.5
	12	2467	15.5	12.5
	13	2472	9.0	9.0
802.11g	1	2412	17.0	12.5
	6	2437	18.0	12.5
	11	2462	17.0	12.5
	12	2467	12.0	12.0
	13	2472	7.0	7.0
802.11n HT20	1	2412	16.5	12.5
	6	2437	18.0	12.5
	11	2462	16.5	12.5
	12	2467	10.0	10.0
	13	2472	5.5	5.5
802.11n HT40	3	2422	15.0	12.5
	6	2437	16.0	12.5
	9	2452	15.0	12.5
	10	2457	8.5	8.5
	11	2462	6.5	6.5
802.11ax HE20	1	2412	17.0	12.5
	6	2437	18.0	12.5
	11	2462	16.5	12.5
	12	2467	10.5	10.5
	13	2472	6.0	6.0
802.11ax HE40	3	2422	15.0	12.5
	6	2437	16.0	12.5
	9	2452	15.0	12.5
	10	2457	8.5	8.5
	11	2462	6.5	6.5

WLAN Tune-up Power (Tablet)				
Bluetooth				
Mode	Channel	Frequency	Ant 0 Max Tune-up	
BR / EDR	0	2402	11.50	
	39	2441	11.50	
	78	2480	11.50	
LE	0	2402	11.50	
	19	2440	11.50	
	39	2480	11.50	

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	14.0	10.0
	40	5200	14.0	10.0
	44	5220	14.0	10.0
	48	5240	14.0	10.0
802.11n HT20	36	5180	14.0	10.0
	40	5200	14.0	10.0
	44	5220	14.0	10.0
	48	5240	14.0	10.0
802.11n HT40	38	5190	14.0	10.0
	46	5230	14.0	10.0
802.11ac VHT80	42	5210	14.0	10.0
802.11ax HE20	36	5180	14.0	10.0
	40	5200	14.0	10.0
	44	5220	14.0	10.0
	48	5240	14.0	10.0
802.11ax HE40	38	5190	14.0	10.0
	46	5230	14.0	10.0
802.11ax HE80	42	5210	14.0	10.0

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	14.0	10.0
	56	5280	14.0	10.0
	60	5300	14.0	10.0
	64	5320	14.0	10.0
802.11n HT20	52	5260	14.0	10.0
	56	5280	14.0	10.0
	60	5300	14.0	10.0
	64	5320	14.0	10.0
802.11n HT40	54	5270	14.0	10.0
	62	5310	14.0	10.0
802.11ac VHT80	58	5290	14.0	10.0
802.11ax HE20	52	5260	14.0	10.0
	56	5280	14.0	10.0
	60	5300	14.0	10.0
	64	5320	14.0	10.0
802.11ax HE40	54	5270	14.0	10.0
	62	5310	14.0	10.0
802.11ax HE80	58	5290	14.0	10.0

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	14.5	10.0
	116	5580	14.5	10.0
	120	5600	14.5	10.0
	124	5620	14.5	10.0
	132	5660	14.5	10.0
	140	5700	14.5	10.0
	144	5720	14.5	10.0
802.11n HT20	100	5500	14.5	10.0
	116	5580	14.5	10.0
	120	5600	14.5	10.0
	124	5620	14.5	10.0
	132	5660	14.5	10.0
	140	5700	14.5	10.0
	144	5720	14.5	10.0
802.11n HT40	102	5510	14.5	10.0
	110	5550	14.5	10.0
	118	5590	14.5	10.0
	126	5630	14.5	10.0
	134	5670	14.5	10.0
	142	5710	14.5	10.0
802.11ac VHT80	106	5530	14.5	10.0
	122	5610	14.5	10.0
	138	5690	14.5	10.0
802.11ax HE20	100	5500	14.5	10.0
	116	5580	14.5	10.0
	120	5600	14.5	10.0
	124	5620	14.5	10.0
	132	5660	14.5	10.0
	140	5700	14.5	10.0
	144	5720	14.5	10.0
802.11ax HE40	102	5510	14.5	10.0
	110	5550	14.5	10.0
	118	5590	14.5	10.0
	126	5630	14.5	10.0
	134	5670	14.5	10.0
	142	5710	14.5	10.0
802.11ax HE80	106	5530	14.5	10.0
	122	5610	14.5	10.0
	138	5690	14.5	10.0

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	14.0	10.0
	153	5765	14.0	10.0
	157	5785	14.0	10.0
	161	5805	14.0	10.0
	165	5825	14.0	10.0
802.11n HT20	149	5745	14.0	10.0
	153	5765	14.0	10.0
	157	5785	14.0	10.0
	161	5805	14.0	10.0
	165	5825	14.0	10.0
802.11n HT40	151	5755	14.0	10.0
	159	5795	14.0	10.0
802.11ac VHT80	155	5775	14.0	10.0
802.11ax HE20	149	5745	14.0	10.0
	153	5765	14.0	10.0
	157	5785	14.0	10.0
	161	5805	14.0	10.0
	165	5825	14.0	10.0
802.11ax HE40	151	5755	14.0	10.0
	159	5795	14.0	10.0
802.11ax HE80	155	5775	14.0	10.0

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	16.98
	6	2437	16.92
	11	2462	16.95
	12	2467	15.46
	13	2472	8.97
802.11g	1	2412	16.82
	6	2437	16.89
	11	2462	16.87
	12	2467	11.88
	13	2472	6.88
802.11n HT20	1	2412	16.38
	6	2437	16.8
	11	2462	16.4
	12	2467	9.89
	13	2472	5.38
802.11n HT40	3	2422	14.84
	6	2437	15.83
	9	2452	14.81
	10	2457	8.39
	11	2462	6.35
802.11ax HE20	1	2412	16.75
	6	2437	16.77
	11	2462	16.24
	12	2467	10.29
	13	2472	5.75
802.11ax HE40	3	2422	14.78
	6	2437	15.73
	9	2452	14.73
	10	2457	8.31
	11	2462	6.32

WLAN Conducted Power (Laptop)			
WLAN2.4GHz Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11b	1	2412	18.97
	6	2437	18.73
	11	2462	18.92
	12	2467	15.47
	13	2472	8.96
802.11g	1	2412	16.84
	6	2437	18.31
	11	2462	16.85
	12	2467	11.93
	13	2472	6.87
802.11n HT20	1	2412	16.32
	6	2437	17.87
	11	2462	16.49
	12	2467	9.91
	13	2472	5.38
802.11n HT40	3	2422	14.81
	6	2437	15.88
	9	2452	14.81
	10	2457	8.37
	11	2462	6.35
802.11ax HE20	1	2412	16.87
	6	2437	17.88
	11	2462	16.35
	12	2467	10.37
	13	2472	5.88
802.11ax HE40	3	2422	14.82
	6	2437	15.86
	9	2452	14.89
	10	2457	8.41
	11	2462	6.37

WLAN Conducted Power (Laptop)			
Bluetooth Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
BR / EDR	0	2402	11.43
	39	2441	11.28
	78	2480	11.29
LE	0	2402	9.83
	19	2440	9.61
	39	2480	9.55

WLAN Conducted Power (Laptop)			
WLAN 5.2GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	36	5180	6.34
	40	5200	6.36
	44	5220	6.31
	48	5240	6.35
802.11n HT20	36	5180	6.32
	40	5200	6.37
	44	5220	6.39
	48	5240	6.33
802.11n HT40	38	5190	6.42
	46	5230	6.35
802.11ac VHT80	42	5210	6.46
802.11ax HE20	36	5180	6.33
	40	5200	6.32
	44	5220	6.35
	48	5240	6.38
802.11ax HE40	38	5190	6.36
	46	5230	6.35
802.11ax HE80	42	5210	6.32

WLAN Conducted Power (Laptop)			
WLAN 5.2GHz Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11a	36	5180	8.43
	40	5200	8.37
	44	5220	8.31
	48	5240	8.36
802.11n HT20	36	5180	8.31
	40	5200	8.38
	44	5220	8.42
	48	5240	8.33
802.11n HT40	38	5190	8.39
	46	5230	8.38
802.11ac VHT80	42	5210	8.47
802.11ax HE20	36	5180	8.37
	40	5200	8.44
	44	5220	8.39
	48	5240	8.35
802.11ax HE40	38	5190	8.34
	46	5230	8.31
802.11ax HE80	42	5210	8.36

WLAN Conducted Power (Laptop)			
WLAN 5.3GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	52	5260	6.31
	56	5280	6.33
	60	5300	6.35
	64	5320	6.32
802.11n HT20	52	5260	6.33
	56	5280	6.38
	60	5300	6.36
	64	5320	6.31
802.11n HT40	54	5270	6.38
	62	5310	6.34
802.11ac VHT80	58	5290	6.48
802.11ax HE20	52	5260	6.36
	56	5280	6.38
	60	5300	6.39
	64	5320	6.35
802.11ax HE40	54	5270	6.43
	62	5310	6.35
802.11ax HE80	58	5290	6.32

WLAN Conducted Power (Laptop)			
WLAN 5.3GHz Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11a	52	5260	8.33
	56	5280	8.36
	60	5300	8.35
	64	5320	8.35
802.11n HT20	52	5260	8.38
	56	5280	8.37
	60	5300	8.39
	64	5320	8.36
802.11n HT40	54	5270	8.35
	62	5310	8.32
802.11ac VHT80	58	5290	8.49
802.11ax HE20	52	5260	8.32
	56	5280	8.38
	60	5300	8.35
	64	5320	8.34
802.11ax HE40	54	5270	8.33
	62	5310	8.36
802.11ax HE80	58	5290	8.39

WLAN Conducted Power (Laptop)			
WLAN 5.6GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	100	5500	8.36
	116	5580	8.33
	120	5600	8.34
	124	5620	8.32
	132	5660	8.31
	140	5700	8.33
	144	5720	8.35
802.11n HT20	100	5500	8.38
	116	5580	8.36
	120	5600	8.37
	124	5620	8.39
	132	5660	8.38
	140	5700	8.36
	144	5720	8.32
802.11n HT40	102	5510	8.35
	110	5550	8.39
	118	5590	8.45
	126	5630	8.47
	134	5670	8.38
	142	5710	8.33
802.11ac VHT80	106	5530	8.49
	122	5610	8.43
	138	5690	8.47
802.11ax HE20	100	5500	8.33
	116	5580	8.35
	120	5600	8.36
	124	5620	8.32
	132	5660	8.37
	140	5700	8.35
	144	5720	8.33
802.11ax HE40	102	5510	8.32
	110	5550	8.45
	118	5590	8.35
	126	5630	8.34
	134	5670	8.38
	142	5710	8.34
802.11ax HE80	106	5530	8.35
	122	5610	8.31
	138	5690	8.34

WLAN Conducted Power (Laptop)			
WLAN 5.6GHz Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11a	100	5500	9.87
	116	5580	9.86
	120	5600	9.83
	124	5620	9.82
	132	5660	9.86
	140	5700	9.87
	144	5720	9.86
802.11n HT20	100	5500	9.82
	116	5580	9.88
	120	5600	9.87
	124	5620	9.85
	132	5660	9.84
	140	5700	9.81
	144	5720	9.86
802.11n HT40	102	5510	9.83
	110	5550	9.84
	118	5590	9.89
	126	5630	9.87
	134	5670	9.82
	142	5710	9.93
802.11ac VHT80	106	5530	9.98
	122	5610	9.92
	138	5690	9.96
802.11ax HE20	100	5500	9.89
	116	5580	9.82
	120	5600	9.84
	124	5620	9.95
	132	5660	9.81
	140	5700	9.83
	144	5720	9.82
802.11ax HE40	102	5510	9.86
	110	5550	9.84
	118	5590	9.81
	126	5630	9.86
	134	5670	9.91
	142	5710	9.81
802.11ax HE80	106	5530	9.87
	122	5610	9.96
	138	5690	9.86

WLAN Conducted Power (Laptop)			
WLAN 5.8GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	149	5745	9.45
	153	5765	9.38
	157	5785	9.31
	161	5805	9.35
	165	5825	9.42
802.11n HT20	149	5745	9.42
	153	5765	9.41
	157	5785	9.38
	161	5805	9.45
	165	5825	9.43
802.11n HT40	151	5755	9.39
	159	5795	9.42
802.11ac VHT80	155	5775	9.48
802.11ax HE20	149	5745	9.44
	153	5765	9.46
	157	5785	9.37
	161	5805	9.42
	165	5825	9.44
802.11ax HE40	151	5755	9.41
	159	5795	9.42
802.11ax HE80	155	5775	9.36

WLAN Conducted Power (Laptop)			
WLAN 5.8GHz Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11a	149	5745	9.88
	153	5765	9.92
	157	5785	9.91
	161	5805	9.85
	165	5825	9.95
802.11n HT20	149	5745	9.91
	153	5765	9.93
	157	5785	9.95
	161	5805	9.88
	165	5825	9.87
802.11n HT40	151	5755	9.89
	159	5795	9.93
802.11ac VHT80	155	5775	9.98
802.11ax HE20	149	5745	9.93
	153	5765	9.86
	157	5785	9.89
	161	5805	9.93
	165	5825	9.94
802.11ax HE40	151	5755	9.91
	159	5795	9.85
802.11ax HE80	155	5775	9.93

WLAN Conducted Power (Tablet)			
WLAN2.4GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11b	1	2412	17.98
	6	2437	17.97
	11	2462	17.96
	12	2467	15.46
	13	2472	8.43
802.11g	1	2412	16.87
	6	2437	17.88
	11	2462	16.88
	12	2467	11.94
	13	2472	6.82
802.11n HT20	1	2412	16.3
	6	2437	17.82
	11	2462	16.32
	12	2467	9.84
	13	2472	5.38
802.11n HT40	3	2422	14.82
	6	2437	15.81
	9	2452	14.83
	10	2457	8.45
	11	2462	6.32
802.11ax HE20	1	2412	16.84
	6	2437	17.89
	11	2462	16.37
	12	2467	10.36
	13	2472	5.89
802.11ax HE40	3	2422	14.97
	6	2437	15.83
	9	2452	14.88
	10	2457	8.41
	11	2462	6.35

WLAN Conducted Power (Tablet)			
WLAN2.4GHz Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11b	1	2412	12.48
	6	2437	12.47
	11	2462	12.41
	12	2467	12.45
	13	2472	8.97
802.11g	1	2412	12.36
	6	2437	12.39
	11	2462	12.38
	12	2467	11.97
	13	2472	6.85
802.11n HT20	1	2412	12.32
	6	2437	12.3
	11	2462	12.4
	12	2467	9.84
	13	2472	5.35
802.11n HT40	3	2422	12.32
	6	2437	12.33
	9	2452	12.35
	10	2457	8.38
	11	2462	6.34
802.11ax HE20	1	2412	12.4
	6	2437	12.34
	11	2462	12.37
	12	2467	10.33
	13	2472	5.83
802.11ax HE40	3	2422	12.31
	6	2437	12.37
	9	2452	12.34
	10	2457	8.42
	11	2462	6.39

WLAN Conducted Power (Tablet)			
Bluetooth Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
BR / EDR	0	2402	11.43
	39	2441	11.28
	78	2480	11.29
LE	0	2402	9.83
	19	2440	9.61
	39	2480	9.55

WLAN Conducted Power (Tablet)			
WLAN 5.2GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	36	5180	13.87
	40	5200	13.89
	44	5220	13.81
	48	5240	13.83
802.11n HT20	36	5180	13.84
	40	5200	13.81
	44	5220	13.92
	48	5240	13.84
802.11n HT40	38	5190	13.89
	46	5230	13.91
802.11ac VHT80	42	5210	13.94
802.11ax HE20	36	5180	13.85
	40	5200	13.83
	44	5220	13.88
	48	5240	13.84
802.11ax HE40	38	5190	13.82
	46	5230	13.85
802.11ax HE80	42	5210	13.89

WLAN Conducted Power (Tablet)			
WLAN 5.2GHz Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11a	36	5180	9.83
	40	5200	9.84
	44	5220	9.82
	48	5240	9.88
802.11n HT20	36	5180	9.87
	40	5200	9.82
	44	5220	9.84
	48	5240	9.87
802.11n HT40	38	5190	9.81
	46	5230	9.88
802.11ac VHT80	42	5210	9.96
802.11ax HE20	36	5180	9.84
	40	5200	9.82
	44	5220	9.91
	48	5240	9.81
802.11ax HE40	38	5190	9.89
	46	5230	9.81
802.11ax HE80	42	5210	9.88

WLAN Conducted Power (Tablet)			
WLAN 5.3GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	52	5260	13.87
	56	5280	13.83
	60	5300	13.85
	64	5320	13.81
802.11n HT20	52	5260	13.87
	56	5280	13.83
	60	5300	13.88
	64	5320	13.93
802.11n HT40	54	5270	13.83
	62	5310	13.89
802.11ac VHT80	58	5290	13.95
802.11ax HE20	52	5260	13.86
	56	5280	13.91
	60	5300	13.84
	64	5320	13.81
802.11ax HE40	54	5270	13.82
	62	5310	13.84
802.11ax HE80	58	5290	13.86

WLAN Conducted Power (Tablet)			
WLAN 5.3GHz Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11a	52	5260	9.85
	56	5280	9.83
	60	5300	9.81
	64	5320	9.82
802.11n HT20	52	5260	9.82
	56	5280	9.88
	60	5300	9.86
	64	5320	9.84
802.11n HT40	54	5270	9.94
	62	5310	9.88
802.11ac VHT80	58	5290	9.96
802.11ax HE20	52	5260	9.83
	56	5280	9.84
	60	5300	9.88
	64	5320	9.92
802.11ax HE40	54	5270	9.86
	62	5310	9.92
802.11ax HE80	58	5290	9.85

WLAN Conducted Power (Tablet)			
WLAN 5.6GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	100	5500	14.39
	116	5580	14.36
	120	5600	14.31
	124	5620	14.32
	132	5660	14.31
	140	5700	14.37
	144	5720	14.35
802.11n HT20	100	5500	14.32
	116	5580	14.39
	120	5600	14.34
	124	5620	14.33
	132	5660	14.35
	140	5700	14.41
	144	5720	14.36
802.11n HT40	102	5510	14.43
	110	5550	14.33
	118	5590	14.32
	126	5630	14.35
	134	5670	14.34
	142	5710	14.35
802.11ac VHT80	106	5530	14.47
	122	5610	14.45
	138	5690	14.42
802.11ax HE20	100	5500	14.34
	116	5580	14.37
	120	5600	14.34
	124	5620	14.32
	132	5660	14.39
	140	5700	14.36
	144	5720	14.38
802.11ax HE40	102	5510	14.34
	110	5550	14.39
	118	5590	14.37
	126	5630	14.38
	134	5670	14.33
	142	5710	14.31
802.11ax HE80	106	5530	14.38
	122	5610	14.34
	138	5690	14.39

WLAN Conducted Power (Tablet)			
WLAN 5.6GHz Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11a	100	5500	9.85
	116	5580	9.87
	120	5600	9.87
	124	5620	9.87
	132	5660	9.81
	140	5700	9.85
	144	5720	9.83
802.11n HT20	100	5500	9.88
	116	5580	9.87
	120	5600	9.86
	124	5620	9.88
	132	5660	9.85
	140	5700	9.88
	144	5720	9.88
802.11n HT40	102	5510	9.82
	110	5550	9.83
	118	5590	9.93
	126	5630	9.87
	134	5670	9.84
	142	5710	9.89
802.11ac VHT80	106	5530	9.98
	122	5610	9.94
	138	5690	9.88
802.11ax HE20	100	5500	9.83
	116	5580	9.84
	120	5600	9.89
	124	5620	9.87
	132	5660	9.85
	140	5700	9.86
	144	5720	9.89
802.11ax HE40	102	5510	9.83
	110	5550	9.84
	118	5590	9.84
	126	5630	9.85
	134	5670	9.85
	142	5710	9.81
802.11ax HE80	106	5530	9.95
	122	5610	9.91
	138	5690	9.89

WLAN Conducted Power (Tablet)			
WLAN 5.8GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	149	5745	13.92
	153	5765	13.86
	157	5785	13.81
	161	5805	13.87
	165	5825	13.88
802.11n HT20	149	5745	13.82
	153	5765	13.84
	157	5785	13.81
	161	5805	13.82
	165	5825	13.86
802.11n HT40	151	5755	13.85
	159	5795	13.83
802.11ac VHT80	155	5775	13.96
802.11ax HE20	149	5745	13.93
	153	5765	13.86
	157	5785	13.82
	161	5805	13.85
	165	5825	13.88
802.11ax HE40	151	5755	13.84
	159	5795	13.86
802.11ax HE80	155	5775	13.82

WLAN Conducted Power (Tablet)			
WLAN 5.8GHz Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11a	149	5745	9.87
	153	5765	9.81
	157	5785	9.88
	161	5805	9.83
	165	5825	9.89
802.11n HT20	149	5745	9.84
	153	5765	9.88
	157	5785	9.82
	161	5805	9.85
	165	5825	9.82
802.11n HT40	151	5755	9.87
	159	5795	9.91
802.11ac VHT80	155	5775	9.95
802.11ax HE20	149	5745	9.87
	153	5765	9.85
	157	5785	9.84
	161	5805	9.94
	165	5825	9.88
802.11ax HE40	151	5755	9.92
	159	5795	9.83
802.11ax HE80	155	5775	9.81

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	1	South Star	Ant 0	3	100	1.00	17.00	16.98	1.00	0.18	1.05	1.05
	WLAN2.4G	802.11b	Front for Laptop	0	1	South Star	Ant 1	3	100	1.00	19.00	18.97	1.01	-0.06	1.06	1.07
	WLAN2.4G	802.11b	Bottom for Laptop	0	1	South Star	Ant 0	3	100	1.00	17.00	16.98	1.00	-0.04	0.691	0.69
	WLAN2.4G	802.11b	Bottom for Laptop	0	1	South Star	Ant 1	3	100	1.00	19.00	18.97	1.01	0.08	0.51	0.52
1	WLAN2.4G	802.11b	Rear Face	0	1	South Star	Ant 0	3	100	1.00	18.00	17.98	1.00	-0.09	1.11	1.11
	WLAN2.4G	802.11b	Left Side	0	1	South Star	Ant 0	3	100	1.00	18.00	17.98	1.00	0.14	0.146	0.15
	WLAN2.4G	802.11b	Right Side	0	1	South Star	Ant 0	3	100	1.00	18.00	17.98	1.00	-0.16	0.062	0.06
	WLAN2.4G	802.11b	Top Side	0	1	South Star	Ant 0	3	100	1.00	18.00	17.98	1.00	-0.06	0.263	0.26
	WLAN2.4G	802.11b	Bottom Side	0	1	South Star	Ant 0	3	100	1.00	18.00	17.98	1.00	-0.17	0.045	0.05
	WLAN2.4G	802.11b	Rear Face	0	1	South Star	Ant 1	3	100	1.00	12.50	12.48	1.00	0.03	0.786	0.79
	WLAN2.4G	802.11b	Left Side	0	1	South Star	Ant 1	3	100	1.00	12.50	12.48	1.00	0	<0.001	0.00
	WLAN2.4G	802.11b	Right Side	0	1	South Star	Ant 1	3	100	1.00	12.50	12.48	1.00	0.09	0.104	0.10
	WLAN2.4G	802.11b	Top Side	0	1	South Star	Ant 1	3	100	1.00	12.50	12.48	1.00	0.02	0.286	0.29
	WLAN2.4G	802.11b	Bottom Side	0	1	South Star	Ant 1	3	100	1.00	12.50	12.48	1.00	0	<0.001	0.00
	WLAN2.4G	802.11b	Front for Laptop	0	6	South Star	Ant 0	3	100	1.00	17.00	16.92	1.02	0.19	1.03	1.05
	WLAN2.4G	802.11b	Front for Laptop	0	11	South Star	Ant 0	3	100	1.00	17.00	16.95	1.01	0.16	1.04	1.05
	WLAN2.4G	802.11b	Front for Laptop	0	12	South Star	Ant 0	3	100	1.00	15.50	15.46	1.01	0.13	0.744	0.75
	WLAN2.4G	802.11b	Front for Laptop	0	13	South Star	Ant 0	3	100	1.00	9.00	8.97	1.01	0.19	0.242	0.24
	WLAN2.4G	802.11b	Front for Laptop	0	6	South Star	Ant 1	3	100	1.00	19.00	18.73	1.06	0.02	0.96	1.02
	WLAN2.4G	802.11b	Front for Laptop	0	11	South Star	Ant 1	3	100	1.00	19.00	18.92	1.02	0.18	1.01	1.03
	WLAN2.4G	802.11b	Front for Laptop	0	12	South Star	Ant 1	3	100	1.00	15.50	15.47	1.01	-0.06	0.828	0.84
	WLAN2.4G	802.11b	Front for Laptop	0	13	South Star	Ant 1	3	100	1.00	9.00	8.96	1.01	0.03	0.18	0.18
	WLAN2.4G	802.11b	Rear Face	0	6	South Star	Ant 0	3	100	1.00	18.00	17.97	1.01	-0.08	1.01	1.02
	WLAN2.4G	802.11b	Rear Face	0	11	South Star	Ant 0	3	100	1.00	18.00	17.96	1.01	0.08	0.967	0.98
	WLAN2.4G	802.11b	Rear Face	0	12	South Star	Ant 0	3	100	1.00	15.50	15.46	1.01	-0.16	0.56	0.57
	WLAN2.4G	802.11b	Rear Face	0	13	South Star	Ant 0	3	100	1.00	9.00	8.43	1.14	-0.18	0.129	0.15
	WLAN2.4G	802.11b	Rear Face	0	1	Pulse	Ant 0	3	100	1.00	18.00	17.98	1.00	0.07	0.918	0.92
	WLAN2.4G	802.11b	Rear Face	0	1	South Star	Ant 0	1	100	1.00	18.00	17.98	1.00	0.18	0.772	0.77
	WLAN2.4G	802.11b	Rear Face	0	6	Pulse	Ant 0	3	100	1.00	18.00	17.97	1.01	0.13	1.02	1.03
	WLAN2.4G	802.11b	Rear Face	0	11	Pulse	Ant 0	3	100	1.00	18.00	17.96	1.01	0.17	1.04	1.05
	WLAN2.4G	802.11b	Rear Face	0	12	Pulse	Ant 0	3	100	1.00	15.50	15.46	1.01	0.16	0.584	0.59
	WLAN2.4G	802.11b	Rear Face	0	13	Pulse	Ant 0	3	100	1.00	9.00	8.43	1.14	-0.12	0.15	0.17
	WLAN2.4G	802.11b	Rear Face	0	1	South Star	Ant 0	3	100	1.00	18.00	17.98	1.00	0.02	1.09	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 VHT80	Front for Laptop	0	58	South Star	Ant 0	3	100	1.00	6.50	6.48	1.00	-0.09	1.08	1.08
	WLAN5.3G	802.11ac VHT80	Front for Laptop	0	58	South Star	Ant 1	3	100	1.00	8.50	8.49	1.00	-0.04	1.09	1.09
	WLAN5.3G	802.11ac VHT80	Bottom for Laptop	0	58	South Star	Ant 0	3	100	1.00	6.50	6.48	1.00	0.02	0.322	0.32
	WLAN5.3G	802.11ac VHT80	Bottom for Laptop	0	58	South Star	Ant 1	3	100	1.00	8.50	8.49	1.00	-0.14	0.073	0.07
	WLAN5.3G	802.11ac VHT80	Rear Face	0	58	South Star	Ant 0	3	100	1.00	14.00	13.95	1.01	-0.18	0.658	0.66
	WLAN5.3G	802.11ac VHT80	Left Side	0	58	South Star	Ant 0	3	100	1.00	14.00	13.95	1.01	-0.15	0.027	0.03
	WLAN5.3G	802.11ac VHT80	Right Side	0	58	South Star	Ant 0	3	100	1.00	14.00	13.95	1.01	0	<0.001	0.00
	WLAN5.3G	802.11ac VHT80	Top Side	0	58	South Star	Ant 0	3	100	1.00	14.00	13.95	1.01	-0.05	1.07	1.08
	WLAN5.3G	802.11ac VHT80	Bottom Side	0	58	South Star	Ant 0	3	100	1.00	14.00	13.95	1.01	0	<0.001	0.00
	WLAN5.3G	802.11ac VHT80	Rear Face	0	58	South Star	Ant 1	3	100	1.00	10.00	9.96	1.01	0.02	0.407	0.41
	WLAN5.3G	802.11ac VHT80	Left Side	0	58	South Star	Ant 1	3	100	1.00	10.00	9.96	1.01	0	<0.001	0.00
	WLAN5.3G	802.11ac VHT80	Right Side	0	58	South Star	Ant 1	3	100	1.00	10.00	9.96	1.01	-0.13	0.038	0.04
2	WLAN5.3G	802.11ac VHT80	Top Side	0	58	South Star	Ant 1	3	100	1.00	10.00	9.96	1.01	-0.07	1.09	1.10
	WLAN5.3G	802.11ac VHT80	Bottom Side	0	58	South Star	Ant 1	3	100	1.00	10.00	9.96	1.01	0	<0.001	0.00
	WLAN5.3G	802.11ac VHT80	Top Side	0	58	Pulse	Ant 1	3	100	1.00	10.00	9.96	1.01	0.02	1.02	1.03
	WLAN5.3G	802.11ac VHT80	Top Side	0	58	South Star	Ant 1	1	100	1.00	10.00	9.96	1.01	-0.09	1.01	1.02
	WLAN5.3G	802.11ac VHT80	Top Side	0	58	South Star	Ant 1	3	100	1.00	10.00	9.96	1.01	0.06	1	1.01
	WLAN5.6G	802.11ac VHT80	Front for Laptop	0	106	South Star	Ant 0	3	100	1.00	8.50	8.49	1.00	0.05	1.09	1.09
	WLAN5.6G	802.11ac VHT80	Front for Laptop	0	106	South Star	Ant 1	3	100	1.00	10.00	9.98	1.00	-0.06	1.07	1.07
	WLAN5.6G	802.11ac VHT80	Bottom for Laptop	0	106	South Star	Ant 0	3	100	1.00	8.50	8.49	1.00	0.02	0.155	0.16
	WLAN5.6G	802.11ac VHT80	Bottom for Laptop	0	106	South Star	Ant 1	3	100	1.00	10.00	9.98	1.00	0.09	0.148	0.15
	WLAN5.6G	802.11ac VHT80	Rear Face	0	106	South Star	Ant 0	3	100	1.00	14.50	14.47	1.01	0.02	0.533	0.54
	WLAN5.6G	802.11ac VHT80	Left Side	0	106	South Star	Ant 0	3	100	1.00	14.50	14.47	1.01	-0.12	0.032	0.03
	WLAN5.6G	802.11ac VHT80	Right Side	0	106	South Star	Ant 0	3	100	1.00	14.50	14.47	1.01	0	<0.001	0.00
	WLAN5.6G	802.11ac VHT80	Top Side	0	106	South Star	Ant 0	3	100	1.00	14.50	14.47	1.01	-0.08	1.05	1.06
	WLAN5.6G	802.11ac VHT80	Bottom Side	0	106	South Star	Ant 0	3	100	1.00	14.50	14.47	1.01	0	<0.001	0.00
	WLAN5.6G	802.11ac VHT80	Rear Face	0	106	South Star	Ant 1	3	100	1.00	10.00	9.98	1.00	0.06	0.563	0.56
	WLAN5.6G	802.11ac VHT80	Left Side	0	106	South Star	Ant 1	3	100	1.00	10.00	9.98	1.00	0.08	<0.001	0.00
	WLAN5.6G	802.11ac VHT80	Right Side	0	106	South Star	Ant 1	3	100	1.00	10.00	9.98	1.00	0.04	0.045	0.05
3	WLAN5.6G	802.11ac VHT80	Top Side	0	106	South Star	Ant 1	3	100	1.00	10.00	9.98	1.00	0.11	1.16	1.16
	WLAN5.6G	802.11ac VHT80	Bottom Side	0	106	South Star	Ant 1	3	100	1.00	10.00	9.98	1.00	0	<0.001	0.00
	WLAN5.6G	802.11ac VHT80	Front for Laptop	0	122	South Star	Ant 0	3	100	1.00	8.50	8.43	1.02	0.09	0.819	0.84
	WLAN5.6G	802.11ac VHT80	Front for Laptop	0	138	South Star	Ant 0	3	100	1.00	8.50	8.47	1.01	-0.08	0.902	0.91
	WLAN5.6G	802.11ac VHT80	Front for Laptop	0	122	South Star	Ant 1	3	100	1.00	10.00	9.92	1.02	0.06	1.04	1.06
	WLAN5.6G	802.11ac VHT80	Front for Laptop	0	138	South Star	Ant 1	3	100	1.00	10.00	9.96	1.01	0.08	1	1.01
	WLAN5.6G	802.11ac VHT80	Top Side	0	122	South Star	Ant 0	3	100	1.00	14.50	14.45	1.01	-0.02	0.828	0.84
	WLAN5.6G	802.11ac VHT80	Top Side	0	138	South Star	Ant 0	3	100	1.00	14.50	14.42	1.02	-0.06	1	1.02
	WLAN5.6G	802.11ac VHT80	Top Side	0	122	South Star	Ant 1	3	100	1.00	10.00	9.94	1.01	0.02	1.05	1.06
	WLAN5.6G	802.11ac VHT80	Top Side	0	138	South Star	Ant 1	3	100	1.00	10.00	9.88	1.03	0.09	1.07	1.10
	WLAN5.6G	802.11ac VHT80	Top Side	0	106	Pulse	Ant 1	3	100	1.00	10.00	9.98	1.00	0.08	1.06	1.06
	WLAN5.6G	802.11ac VHT80	Top Side	0	106	South Star	Ant 1	1	100	1.00	10.00	9.98	1.00	0.04	1.02	1.02

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)
	WLAN5.6G	802.11ac VHT80	Top Side	0	122	Pulse	Ant 1	3	100	1.00	10.00	9.94	1.01	-0.07	1.02	1.03
	WLAN5.6G	802.11ac VHT80	Top Side	0	138	Pulse	Ant 1	3	100	1.00	10.00	9.88	1.03	-0.06	1	1.03
	WLAN5.6G	802.11ac VHT80	Top Side	0	122	South Star	Ant 1	1	100	1.00	10.00	9.94	1.01	-0.08	0.937	0.95
	WLAN5.6G	802.11ac VHT80	Top Side	0	138	South Star	Ant 1	1	100	1.00	10.00	9.88	1.03	-0.01	0.913	0.94
	WLAN5.6G	802.11ac VHT80	Top Side	0	106	South Star	Ant 1	3	100	1.00	10.00	9.98	1.00	0.11	1.12	1.12
	WLAN5.8G	802.11ac VHT80	Front for Laptop	0	155	South Star	Ant 0	3	100	1.00	9.50	9.48	1.00	0.19	1.14	1.14
	WLAN5.8G	802.11ac VHT80	Front for Laptop	0	155	South Star	Ant 1	3	100	1.00	10.00	9.98	1.00	0.12	1.13	1.13
	WLAN5.8G	802.11ac VHT80	Bottom for Laptop	0	155	South Star	Ant 0	3	100	1.00	9.50	9.48	1.00	0.02	0.118	0.12
	WLAN5.8G	802.11ac VHT80	Bottom for Laptop	0	155	South Star	Ant 1	3	100	1.00	10.00	9.98	1.00	0.08	0.23	0.23
	WLAN5.8G	802.11ac VHT80	Rear Face	0	155	South Star	Ant 0	3	100	1.00	14.00	13.96	1.01	0.01	0.33	0.33
	WLAN5.8G	802.11ac VHT80	Left Side	0	155	South Star	Ant 0	3	100	1.00	14.00	13.96	1.01	-0.17	0.016	0.02
	WLAN5.8G	802.11ac VHT80	Right Side	0	155	South Star	Ant 0	3	100	1.00	14.00	13.96	1.01	0	<0.001	0.00
4	WLAN5.8G	802.11ac VHT80	Top Side	0	155	South Star	Ant 0	3	100	1.00	14.00	13.96	1.01	-0.07	1.15	1.16
	WLAN5.8G	802.11ac VHT80	Bottom Side	0	155	South Star	Ant 0	3	100	1.00	14.00	13.96	1.01	0	<0.001	0.00
	WLAN5.8G	802.11ac VHT80	Rear Face	0	155	South Star	Ant 1	3	100	1.00	10.00	9.95	1.01	0.19	0.741	0.75
	WLAN5.8G	802.11ac VHT80	Left Side	0	155	South Star	Ant 1	3	100	1.00	10.00	9.95	1.01	0	<0.001	0.00
	WLAN5.8G	802.11ac VHT80	Right Side	0	155	South Star	Ant 1	3	100	1.00	10.00	9.95	1.01	0.02	0.027	0.03
	WLAN5.8G	802.11ac VHT80	Top Side	0	155	South Star	Ant 1	3	100	1.00	10.00	9.95	1.01	-0.03	1.04	1.05
	WLAN5.8G	802.11ac VHT80	Bottom Side	0	155	South Star	Ant 1	3	100	1.00	10.00	9.95	1.01	0	<0.001	0.00
	WLAN5.8G	802.11ac VHT80	Top Side	0	155	Pulse	Ant 0	3	100	1.00	14.00	13.96	1.01	0.09	1.01	1.02
	WLAN5.8G	802.11ac VHT80	Top Side	0	155	South Star	Ant 0	1	100	1.00	14.00	13.96	1.01	-0.04	1.03	1.04
	WLAN5.8G	802.11ac VHT80	Top Side	0	155	South Star	Ant 0	3	100	1.00	14.00	13.96	1.01	0.02	1.07	1.08
	BT	BDR	Front for Laptop	0	0	South Star	Ant 0	3	75.81	1.32	11.50	11.43	1.02	0.02	0.072	0.10
	BT	BDR	Bottom for Laptop	0	0	South Star	Ant 0	3	75.81	1.32	11.50	11.43	1.02	-0.13	0.079	0.11
5	BT	BDR	Rear Face	0	0	South Star	Ant 0	3	75.81	1.32	11.50	11.43	1.02	0.07	0.255	0.34
	BT	BDR	Left Side	0	0	South Star	Ant 0	3	75.81	1.32	11.50	11.43	1.02	0.06	0.047	0.06
	BT	BDR	Right Side	0	0	South Star	Ant 0	3	75.81	1.32	11.50	11.43	1.02	0	<0.001	0.00
	BT	BDR	Top Side	0	0	South Star	Ant 0	3	75.81	1.32	11.50	11.43	1.02	0.14	0.064	0.09
	BT	BDR	Bottom Side	0	0	South Star	Ant 0	3	75.81	1.32	11.50	11.43	1.02	0	<0.001	0.00
	BT	BDR	Rear Face	0	39	South Star	Ant 0	3	75.81	1.32	11.50	11.28	1.05	-0.12	0.236	0.33
	BT	BDR	Rear Face	0	78	South Star	Ant 0	3	75.81	1.32	11.50	11.29	1.05	-0.1	0.221	0.31
	BT	BDR	Rear Face	0	0	Pulse	Ant 0	3	75.81	1.32	11.50	11.43	1.02	0.05	0.243	0.33
	BT	BDR	Rear Face	0	0	South Star	Ant 0	1	75.81	1.32	11.50	11.43	1.02	-0.05	0.239	0.32

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	1	1.11	1.09	1.02
R02	WLAN5.3G	802.11ac VHT80	Top Side	58	1.09	1	1.09
R03	WLAN5.6G	802.11ac VHT80	Top Side	106	1.16	1.12	1.04
R04	WLAN5.8G	802.11ac VHT80	Top Side	155	1.15	1.07	1.07

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	Head / Body / Hotspot / Extremity / Limb / Product Specific Exposure Condition
A	WLAN 2.4G_Ant 0 + BT_Ant 0	Yes
B	WLAN 2.4G_Ant 0 + WLAN2.4G_Ant 1	Yes
C	WLAN 5G_Ant 0 + BT_Ant 0	Yes
D	WLAN 5G_Ant 0 + WLAN 5G_Ant 1	Yes
E	WLAN 5G_Ant 0 + WLAN 5G_Ant 1 + BT_Ant 0	Yes

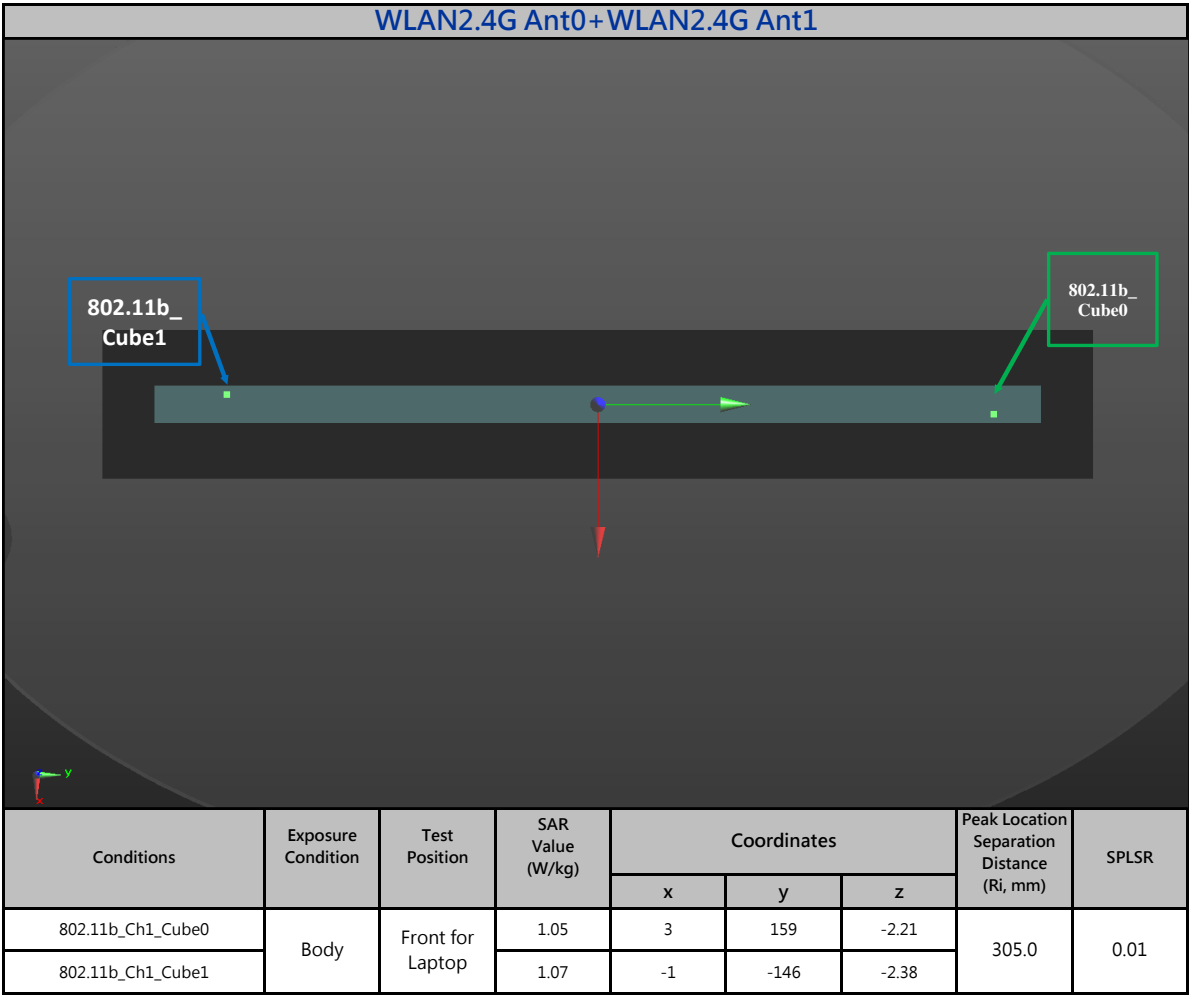
Notes

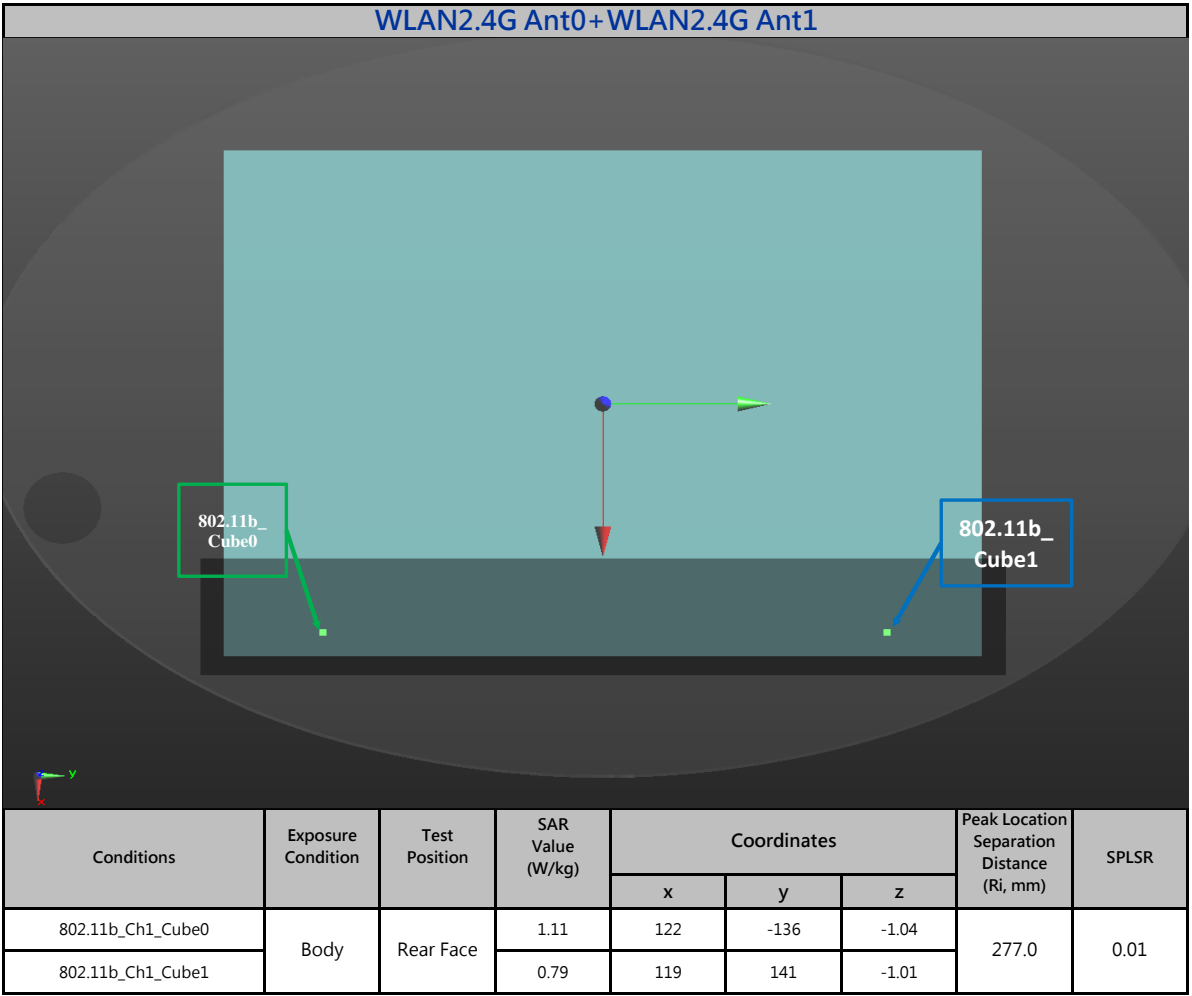
1. The WLAN 2.4G and WLAN 5G cannot transmit simultaneously.
2. Combination C and D are covered by Combination E

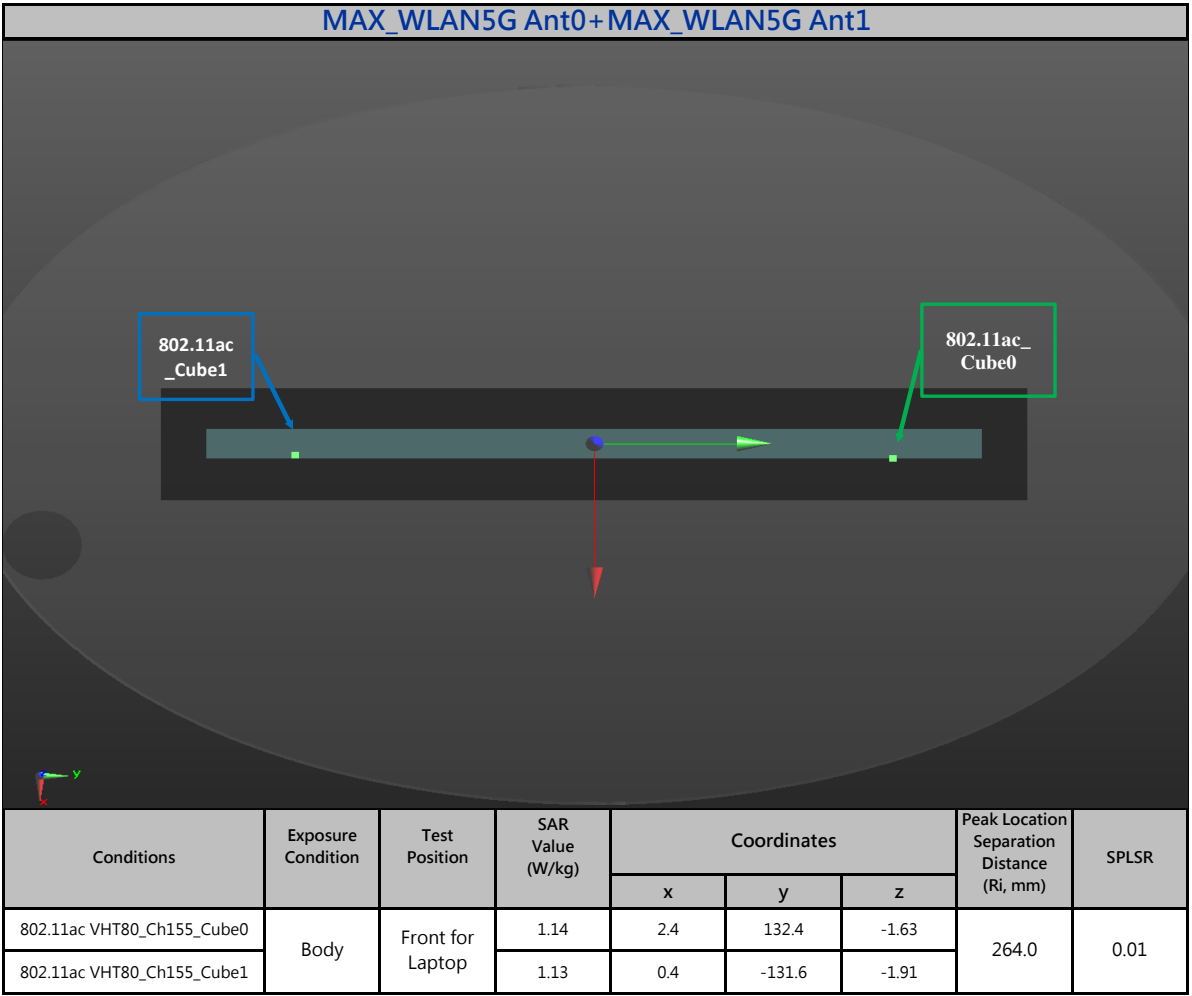
Simultaneous Transmission SAR Evaluation (Body)								
Position	1	2	3	4	5	A(1+5)	B(1+2)	E(3+4+5)
	WLAN 2.4GHz Ant 0	WLAN 2.4GHz Ant 1	Max WLAN 5GHz Ant 0	Max WLAN 5GHz Ant 1	Max BT Ant 0	Summing result 1g SAR W/kg	Summing result 1g SAR W/kg	Summing result 1g SAR W/kg
Front for Laptop	1.05	1.07	1.14	1.13	0.10	1.15	2.12	2.37
Bottom for Laptop	0.69	0.52	0.32	0.23	0.11	0.80	1.21	0.66
Rear Face	1.11	0.79	0.66	0.75	0.34	1.45	1.90	1.75
Left Side	0.15	0.00	0.03	0.00	0.06	0.21	0.15	0.09
Right Side	0.06	0.10	0.00	0.05	0.00	0.06	0.16	0.05
Top Side	0.26	0.29	1.16	1.16	0.09	0.35	0.55	2.41
Bottom Side	0.05	0.00	0.00	0.00	0.00	0.05	0.05	0.00

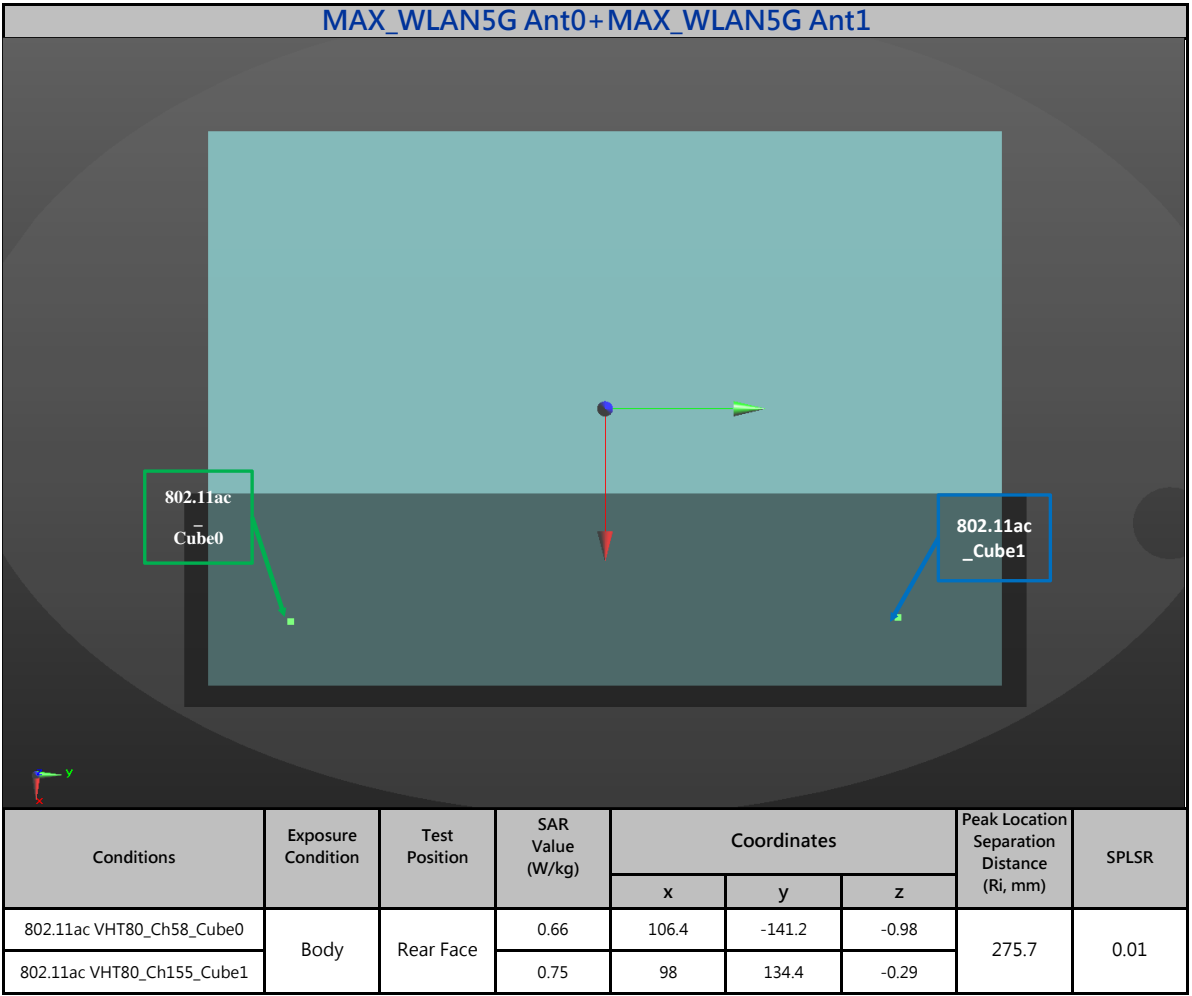
Annex I. SAR to Peak Location Separation Ratio Analysis.

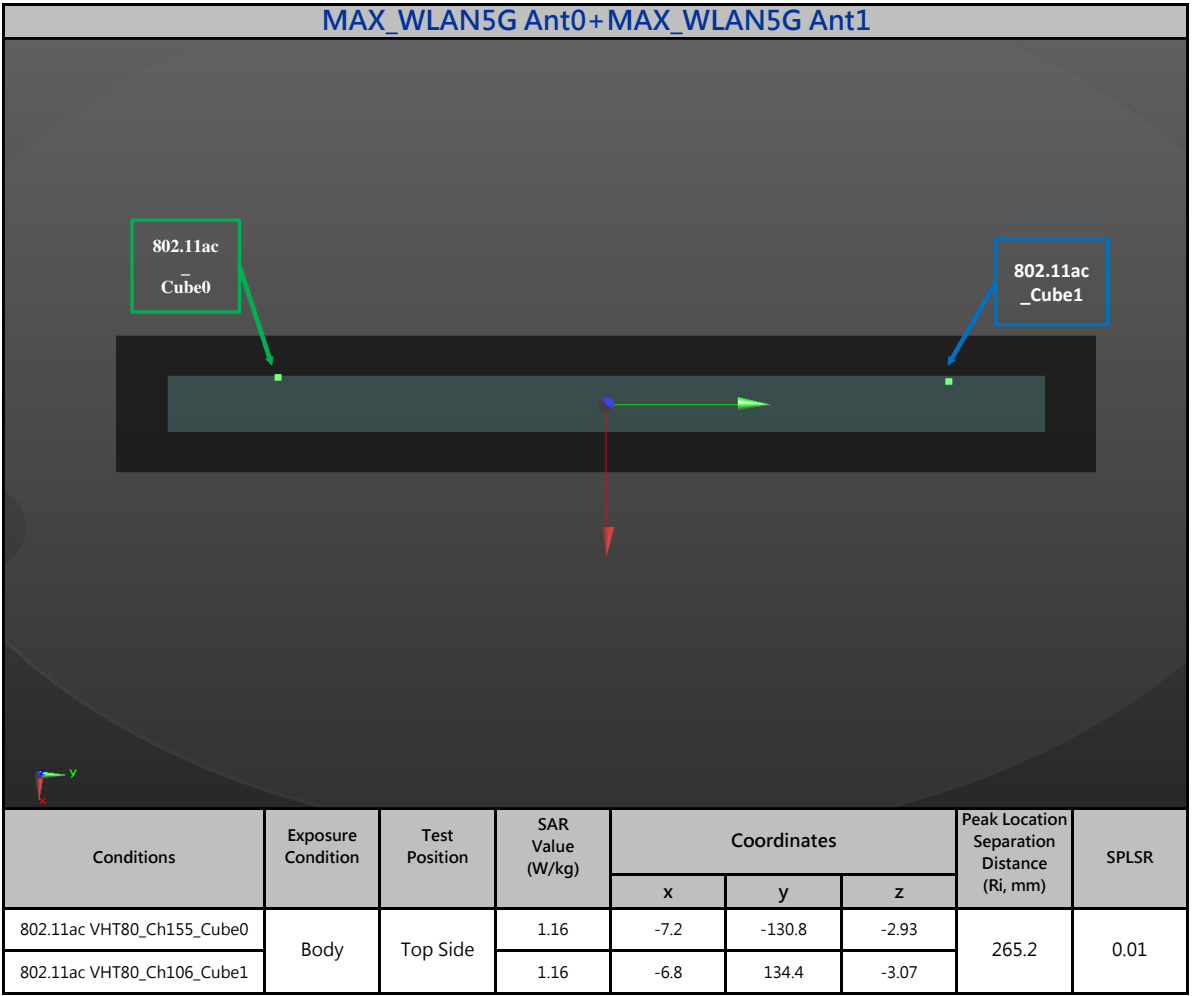
The result of analysis are shown as below.











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	3650	Mar. 24, 2022	1 Year
Dosimetric E-Field Probe	SPEAG	EX3DV4	7736	May. 30, 2022	1 Year
Data Acquisition Electronics	SPEAG	DAE3	579	Jun. 01, 2022	1 Year
Data Acquisition Electronics	SPEAG	DAE4	861	Mar. 23, 2022	1 Year
Spectrum Analyzer	R&S	FSL6	102006	Apr. 13, 2022	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	4260	Jan. 13, 2022	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.

$$\text{Duty Factor} = \text{Pulse Width} / \text{Total Period} = (10.34 - 7.52) / (11.24 - 7.52) = 75.81\%$$

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(WLAN5.8G_802.11ac VHT80_Top Side_Ch.155_Ant 0).

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	9.41	9.45	9.43	9.44	9.46																																	
Range of trigger angle	 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						9.42	9.45	9.46																														
	<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																															9.42	9.46	9.41	9.47	9.44	9.48		
	<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																							9.46	9.48	9.43	13.94	13.96	13.92	13.98	13.95	13.95	13.91	13.93	13.97	13.96	13.94	13.98	
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	13.98	13.95	13.92	13.94	13.95	13.91	13.96	13.95	13.91	13.88	13.83	13.84	9.47																									
Range of trigger angle	 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								
	Power																			13.94	9.47																		
	<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																			13.94	13.95	13.92	13.91	13.93	9.49	9.45	9.47	9.45	9.41	9.42									
	<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	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														9.48	9.47	9.46	9.42	9.45	9.41	9.43	9.41	9.4	9.38	9.47	9.45	9.43	9.47	9.39	9.41	9.45	9.42	9.39	9.38	9.41	9.42			