

### 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: 2022/01/18

### S01 System Check\_H2450\_220118

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

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

Medium: H19T27N1\_0118 Medium parameters used (interpolated):  $f = 2450$  MHz;  $\sigma = 1.862$  S/m;  $\epsilon_r = 39.176$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.3 °C ; Liquid Temperature : 23.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7537; ConvF(7.61, 7.61, 7.61) @ 2450 MHz; Calibrated: 2021/04/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2021/04/15
- Phantom: ELI Phantom\_2118; Type: QD OVA 004 AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Pin=50mW/Area Scan (81x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 4.36 W/kg

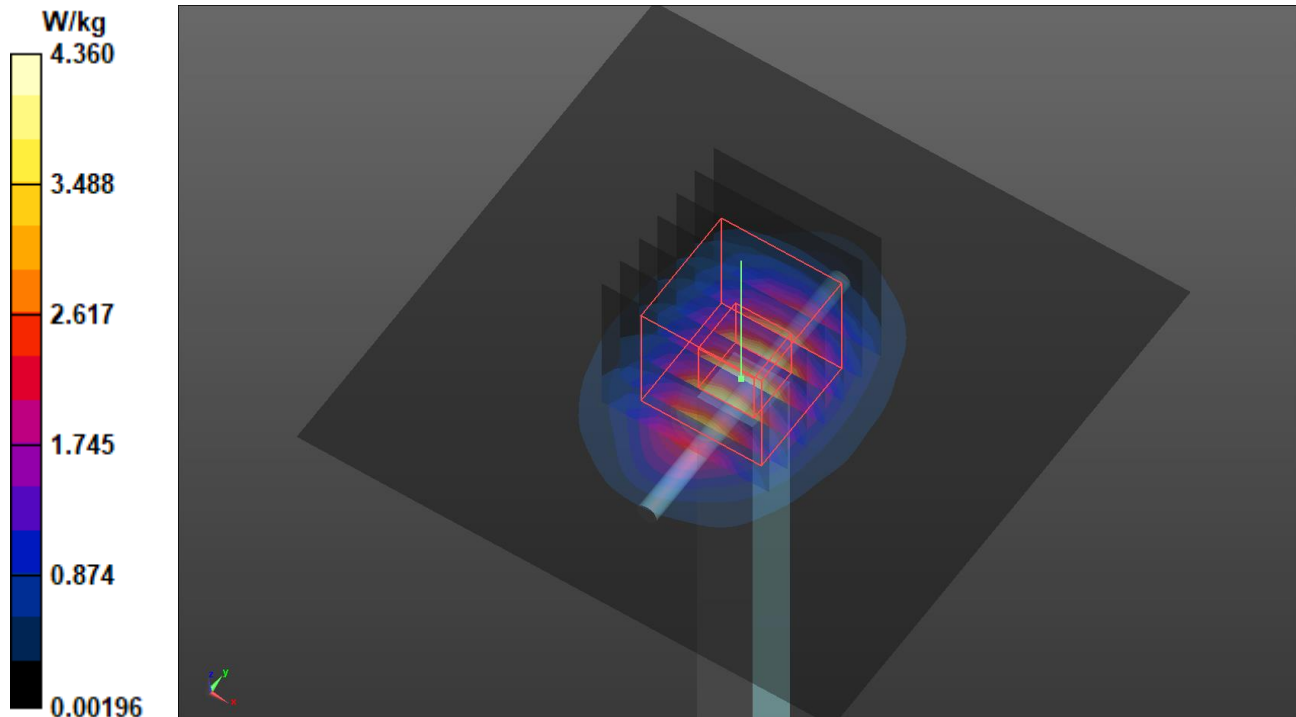
**Pin=50mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 50.20 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 5.44 W/kg

**SAR(1 g) = 2.58 W/kg; SAR(10 g) = 1.22 W/kg** (SAR corrected for target medium)

Maximum value of SAR (measured) = 4.40 W/kg



## Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/01/19

### S02 System Check\_H5250\_220119

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

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

Medium: H34T60N1\_0119 Medium parameters used:  $f = 5250$  MHz;  $\sigma = 4.682$  S/m;  $\epsilon_r = 36.664$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7537; ConvF(5.5, 5.5, 5.5) @ 5250 MHz; Calibrated: 2021/04/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2021/04/15
- Phantom: ELI Phantom\_2118; Type: QD OVA 004 AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Pin=50mW/Area Scan (91x91x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 9.24 W/kg

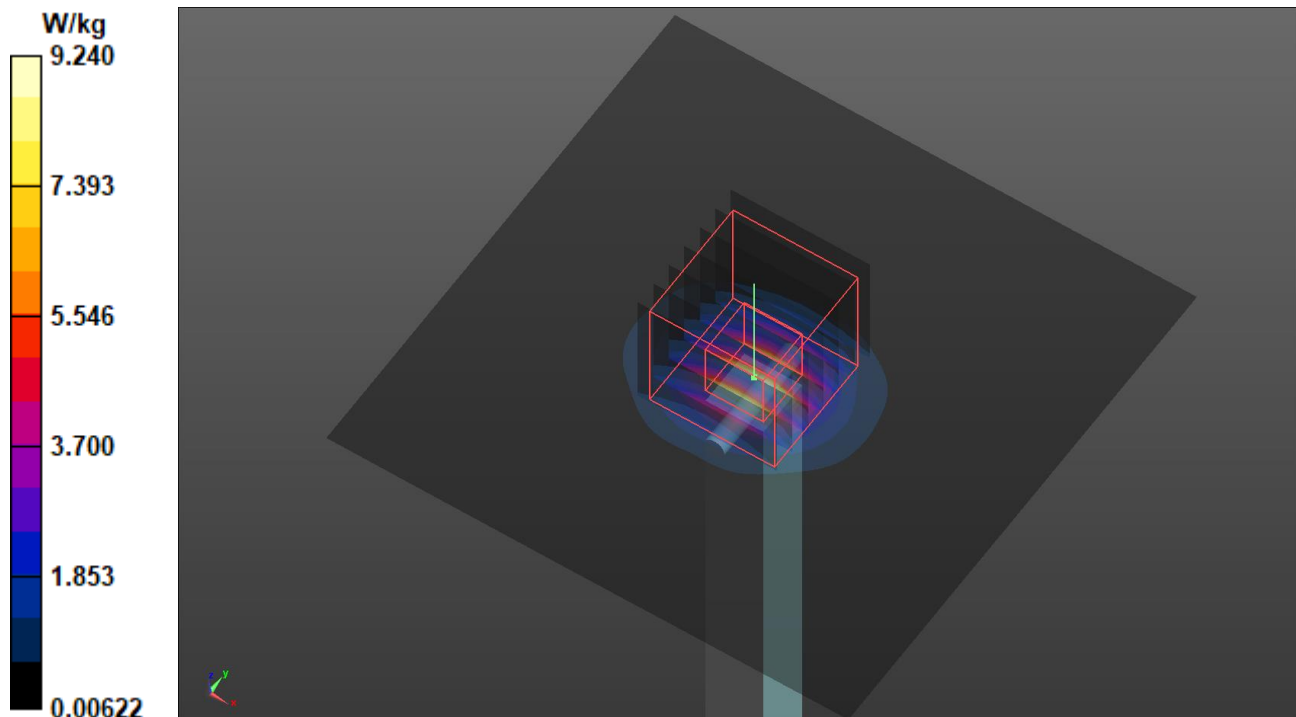
**Pin=50mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 49.74 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 15.7 W/kg

**SAR(1 g) = 4.02 W/kg; SAR(10 g) = 1.17 W/kg** (SAR corrected for target medium)

Maximum value of SAR (measured) = 10.0 W/kg



## Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/01/19

### S03 System Check\_H5600\_220119

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

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

Medium: H34T60N1\_0119 Medium parameters used:  $f = 5600$  MHz;  $\sigma = 5.056$  S/m;  $\epsilon_r = 36.215$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7537; ConvF(4.8, 4.8, 4.8) @ 5600 MHz; Calibrated: 2021/04/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2021/04/15
- Phantom: ELI Phantom\_2118; Type: QD OVA 004 AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Pin=50mW/Area Scan (91x91x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 10.9 W/kg

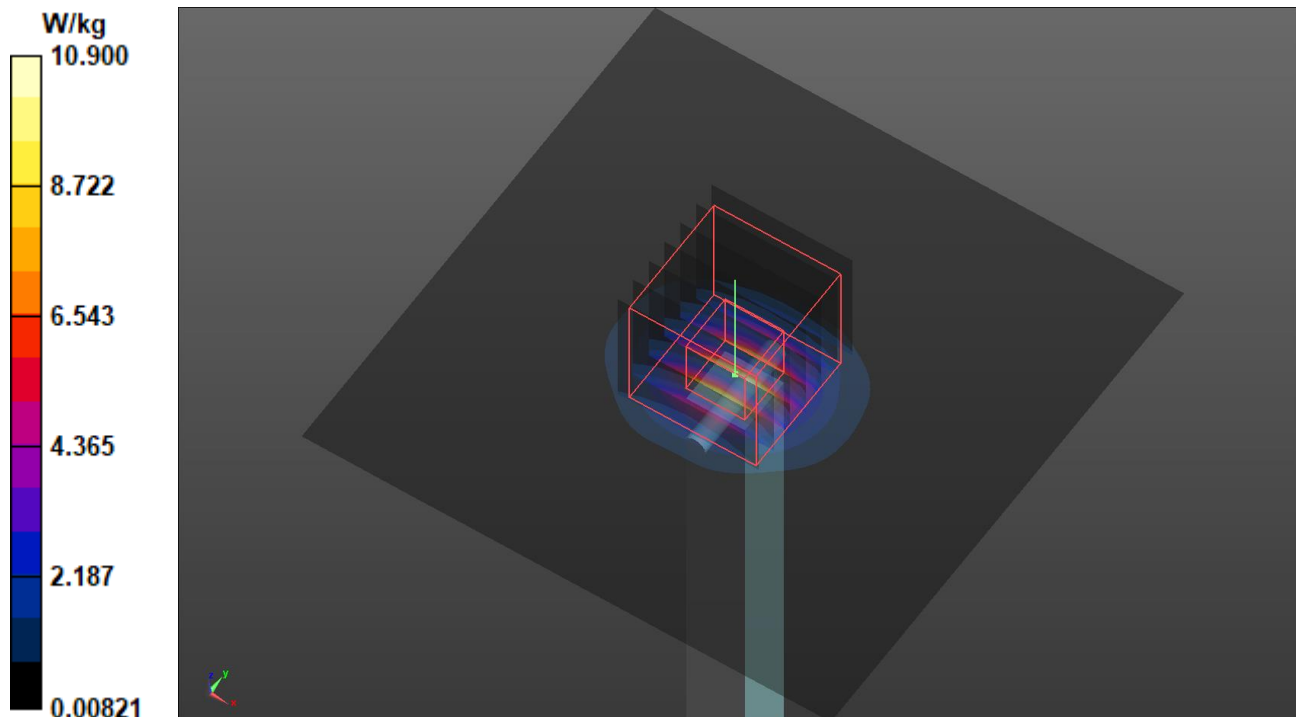
**Pin=50mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 51.65 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 19.7 W/kg

**SAR(1 g) = 4.53 W/kg; SAR(10 g) = 1.29 W/kg** (SAR corrected for target medium)

Maximum value of SAR (measured) = 11.7 W/kg



## Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/01/20

### S04 System Check\_H5750\_220120

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

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

Medium: H34T60N1\_0120 Medium parameters used:  $f = 5750$  MHz;  $\sigma = 5.303$  S/m;  $\epsilon_r = 35.218$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7537; ConvF(4.95, 4.95, 4.95) @ 5750 MHz; Calibrated: 2021/04/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2021/04/15
- Phantom: ELI Phantom\_2118; Type: QD OVA 004 AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Pin=50mW/Area Scan (91x91x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 10.1 W/kg

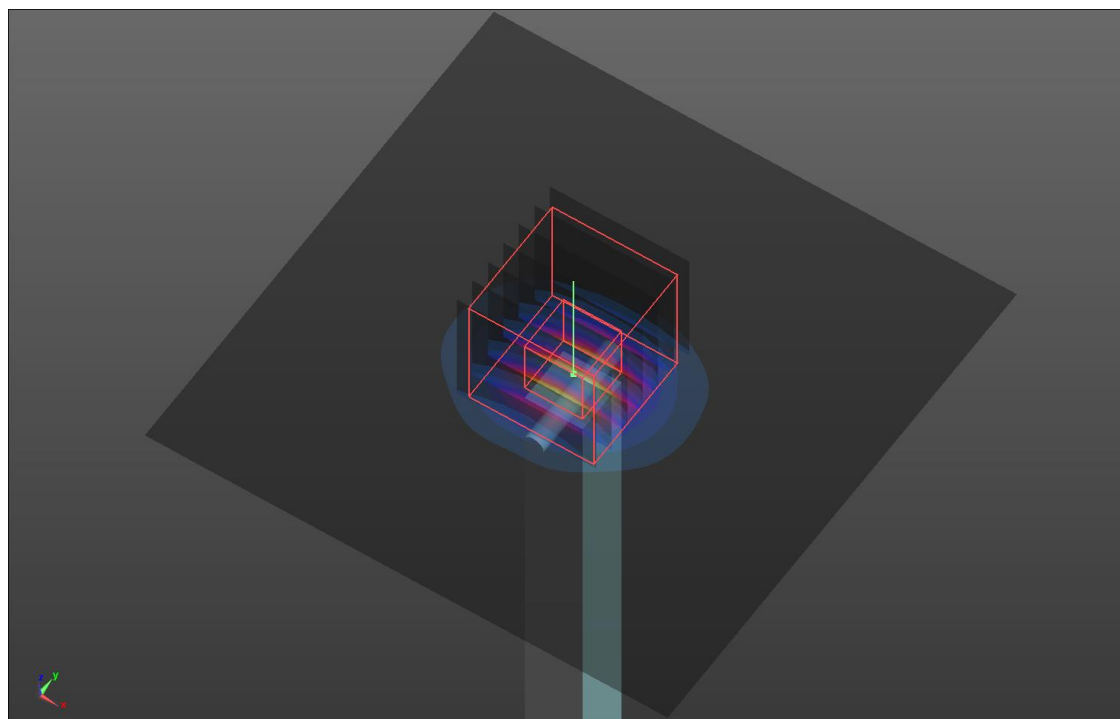
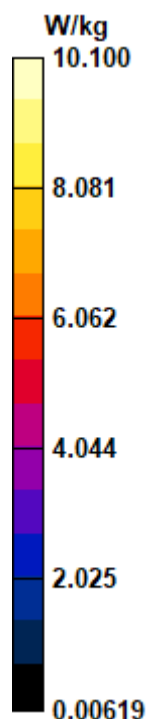
**Pin=50mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 48.89 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 18.7 W/kg

**SAR(1 g) = 4.14 W/kg; SAR(10 g) = 1.18 W/kg** (SAR corrected for target medium)

Maximum value of SAR (measured) = 10.9 W/kg



## Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/01/18

### S05 System Check\_H2450\_220118

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

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

Medium: H19T27N1\_0118 Medium parameters used (interpolated):  $f = 2450$  MHz;  $\sigma = 1.862$  S/m;  $\epsilon_r = 39.176$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.3 °C ; Liquid Temperature : 23.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7537; ConvF(7.61, 7.61, 7.61) @ 2450 MHz; Calibrated: 2021/04/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2021/04/15
- Phantom: ELI Phantom\_2118; Type: QD OVA 004 AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Pin=50mW/Area Scan (81x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 4.36 W/kg

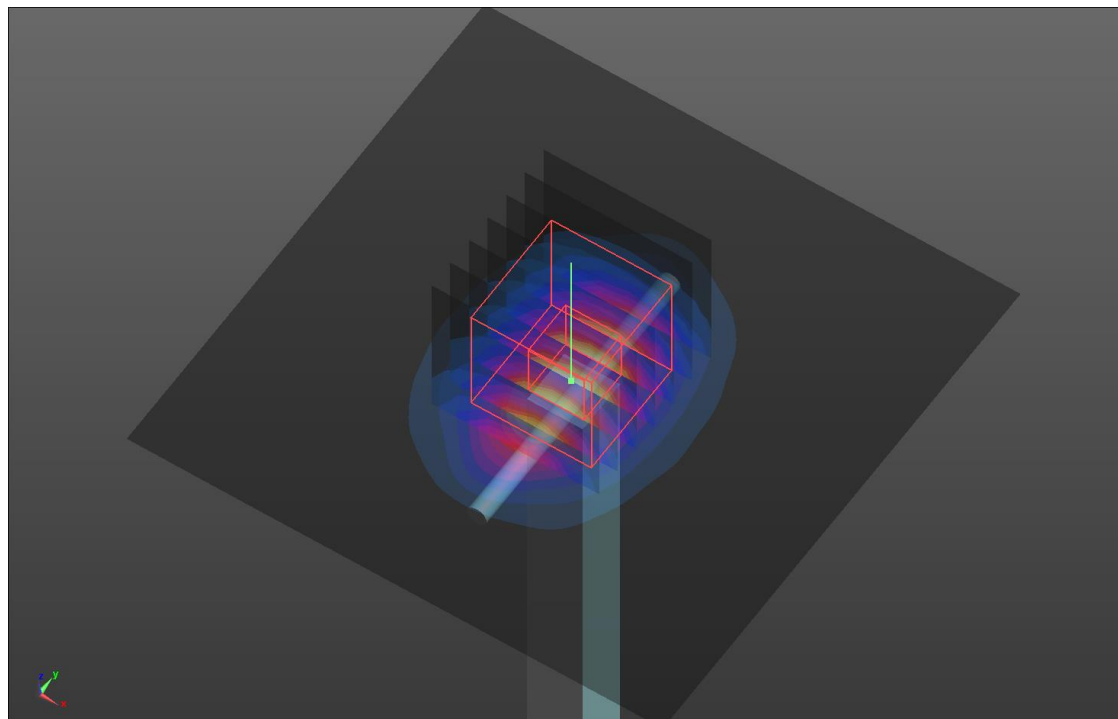
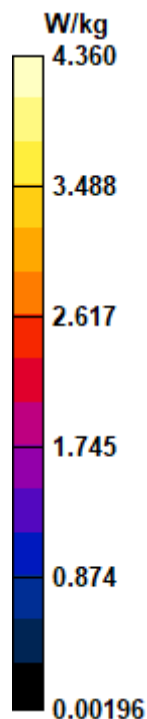
**Pin=50mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 50.20 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 5.44 W/kg

**SAR(1 g) = 2.58 W/kg; SAR(10 g) = 1.22 W/kg** (SAR corrected for target medium)

Maximum value of SAR (measured) = 4.40 W/kg



## Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/02/21

### S06 System Check\_H2450\_220221

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

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

Medium: H19T27N1\_0221 Medium parameters used (interpolated):  $f = 2450$  MHz;  $\sigma = 1.829$  S/m;  $\epsilon_r = 38.581$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(7.34, 7.34, 7.34) @ 2450 MHz; Calibrated: 2021/06/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/09/20
- Phantom: ELI Phantom\_1191; Type: QDOVA002AA; Serial: 1191
- 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) = 4.15 W/kg

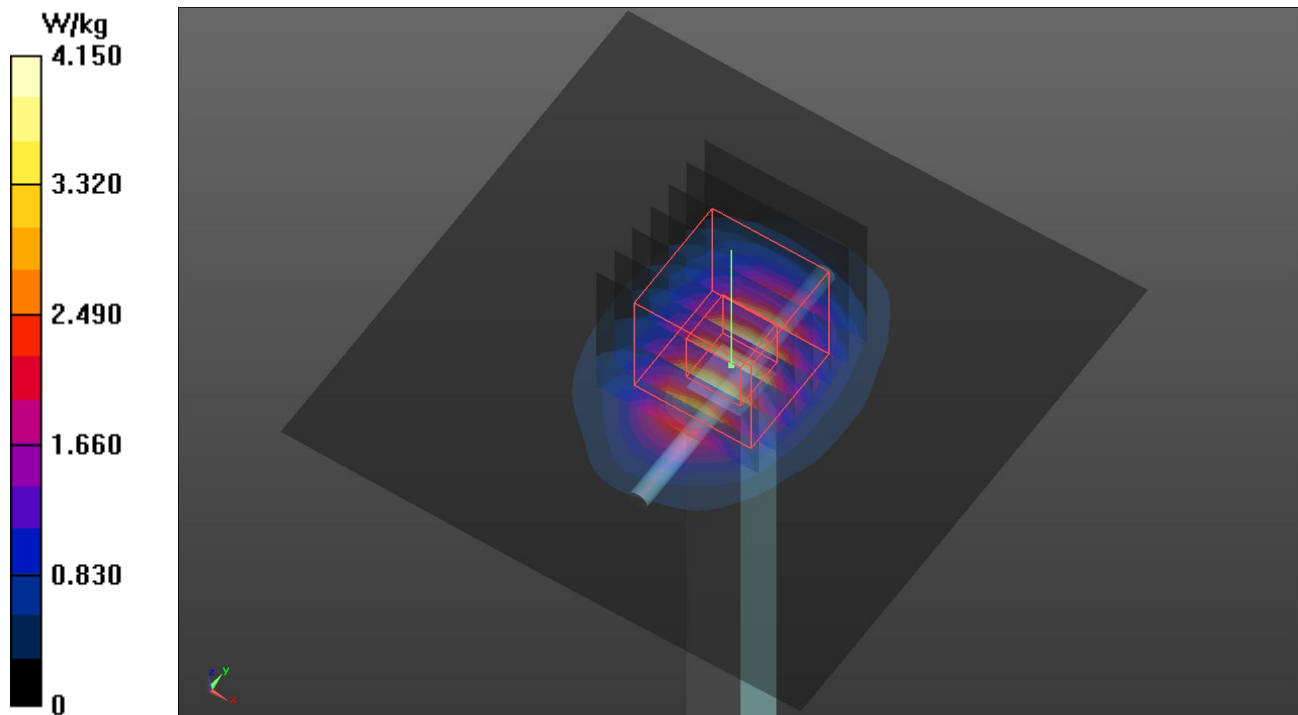
**Pin=50mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 48.14 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 5.20 W/kg

**SAR(1 g) = 2.48 W/kg; SAR(10 g) = 1.19 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: 2022/02/21

### S07 System Check\_H5250\_220221

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

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

Medium: H34T60N1\_0221 Medium parameters used (interpolated):  $f = 5250$  MHz;  $\sigma = 4.604$  S/m;  $\epsilon_r = 35.76$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(5.39, 5.39, 5.39) @ 5250 MHz; Calibrated: 2021/06/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/09/20
- Phantom: ELI Phantom\_1191; Type: QDOVA002AA; Serial: 1191
- 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) = 8.55 W/kg

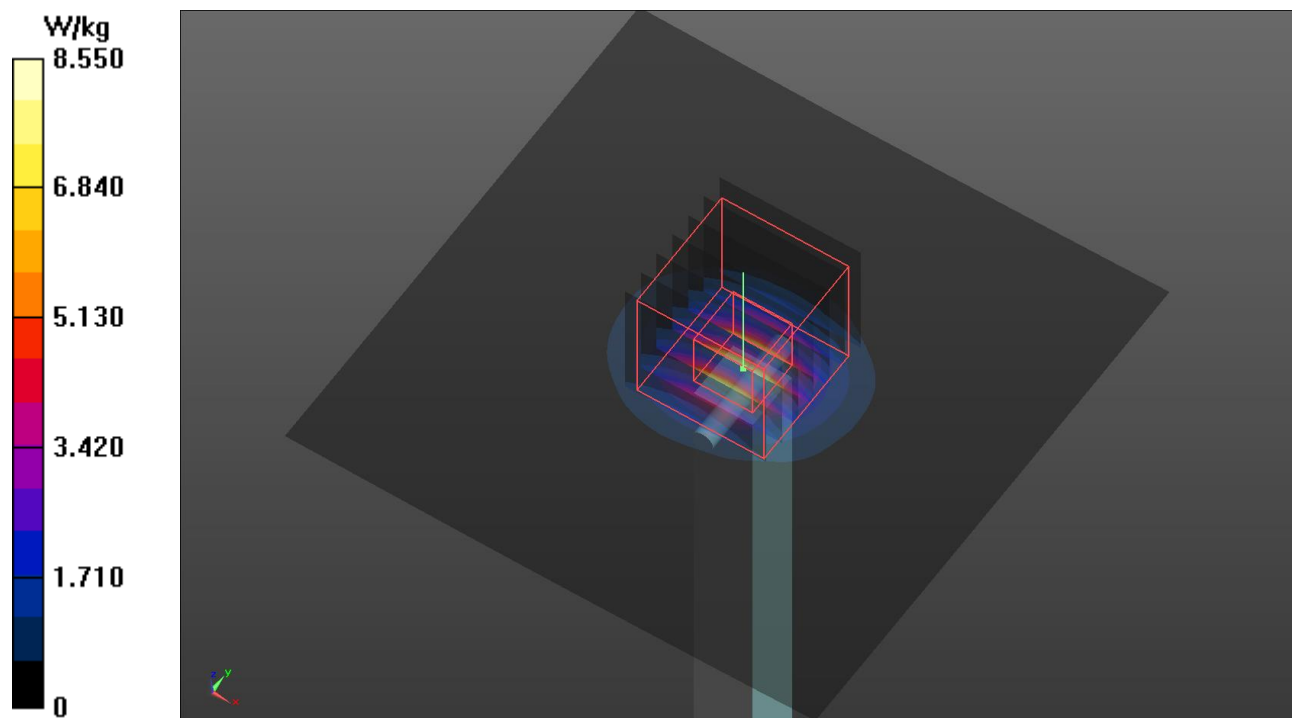
**Pin=50mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 48.41 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 14.6 W/kg

**SAR(1 g) = 3.74 W/kg; SAR(10 g) = 1.08 W/kg** (SAR corrected for target medium)

Maximum value of SAR (measured) = 9.34 W/kg



## Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/02/21

### S08 System Check\_H5600\_220221

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

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

Medium: H34T60N1\_0221 Medium parameters used:  $f = 5600$  MHz;  $\sigma = 4.966$  S/m;  $\epsilon_r = 35.251$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(5, 5, 5) @ 5600 MHz; Calibrated: 2021/06/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/09/20
- Phantom: ELI Phantom\_1191; Type: QDOVA002AA; Serial: 1191
- 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) = 9.87 W/kg

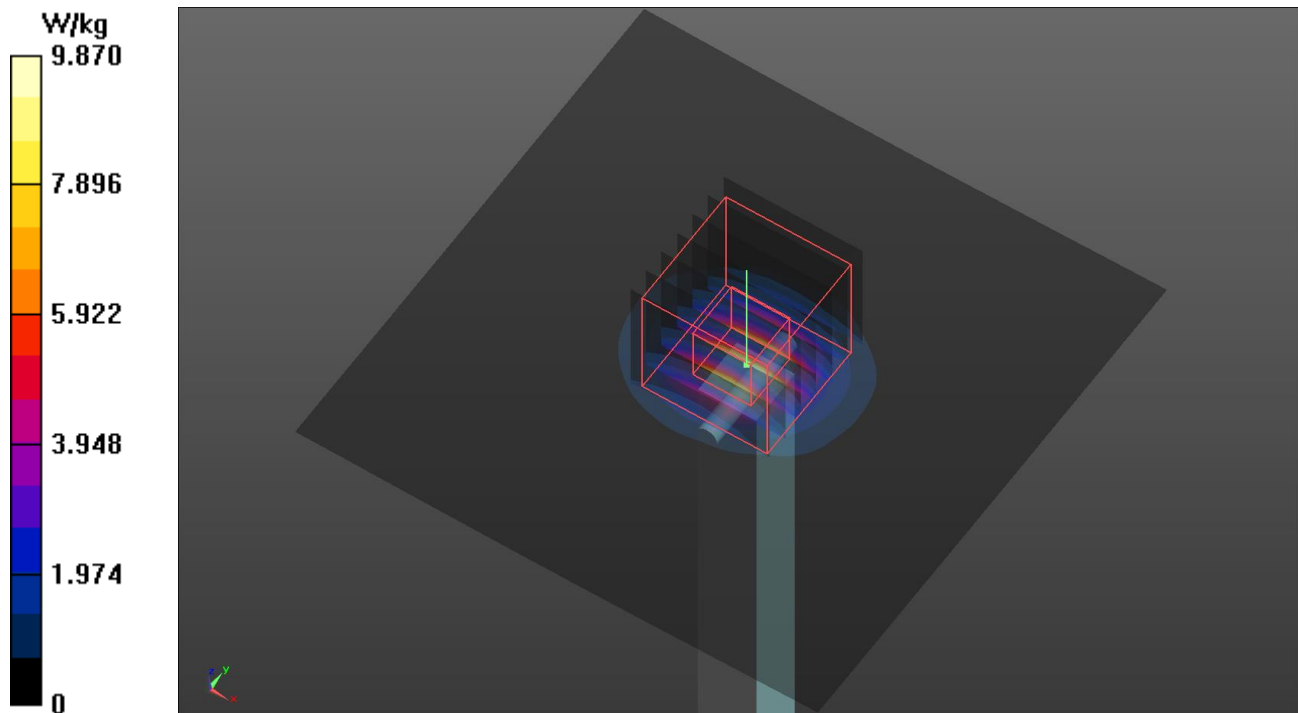
**Pin=50mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 49.89 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 17.4 W/kg

**SAR(1 g) = 4.11 W/kg; SAR(10 g) = 1.17 W/kg** (SAR corrected for target medium)

Maximum value of SAR (measured) = 10.6 W/kg



## Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/02/21

### S09 System Check\_H5750\_220221

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

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

Medium: H34T60N1\_0221 Medium parameters used:  $f = 5750$  MHz;  $\sigma = 5.145$  S/m;  $\epsilon_r = 35.074$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(5.05, 5.05, 5.05) @ 5750 MHz; Calibrated: 2021/06/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/09/20
- Phantom: ELI Phantom\_1191; Type: QDOVA002AA; Serial: 1191
- 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) = 8.74 W/kg

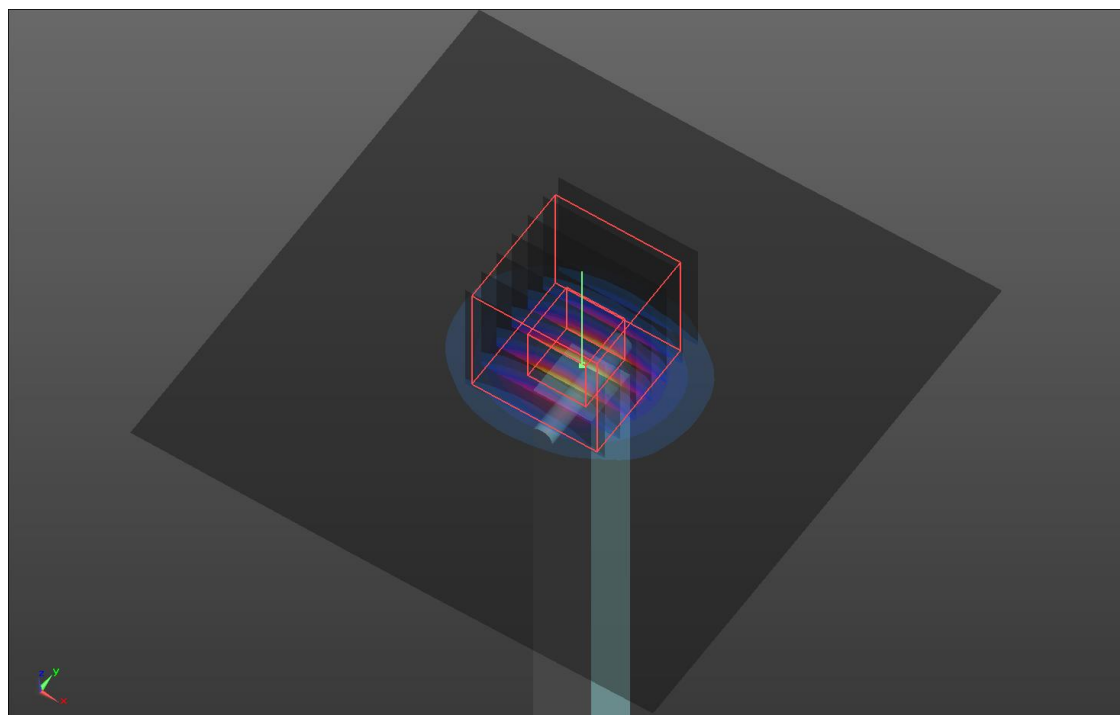
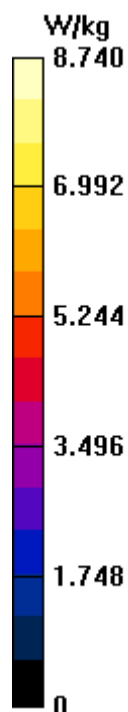
**Pin=50mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 46.36 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 16.1 W/kg

**SAR(1 g) = 3.62 W/kg; SAR(10 g) = 1.04 W/kg** (SAR corrected for target medium)

Maximum value of SAR (measured) = 9.48 W/kg



## Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/02/21

### S10 System Check\_H2450\_220221

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

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

Medium: H19T27N1\_0221 Medium parameters used (interpolated):  $f = 2450$  MHz;  $\sigma = 1.829$  S/m;  $\epsilon_r = 38.581$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(7.34, 7.34, 7.34) @ 2450 MHz; Calibrated: 2021/06/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/09/20
- Phantom: ELI Phantom\_1191; Type: QDOVA002AA; Serial: 1191
- 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) = 4.15 W/kg

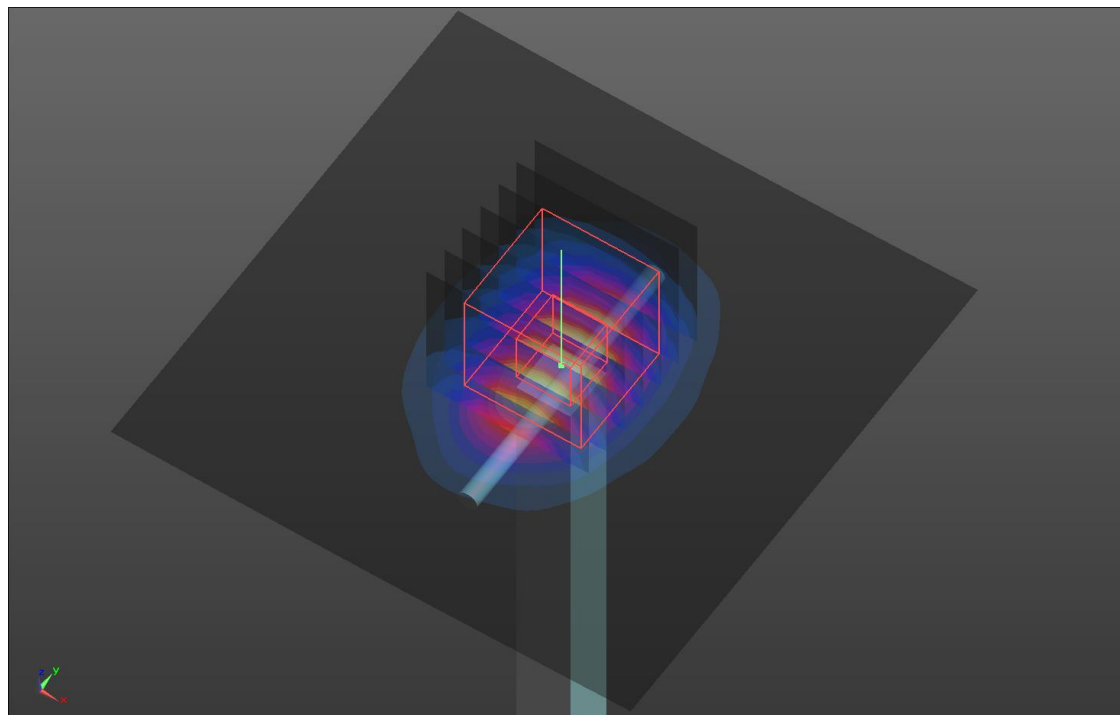
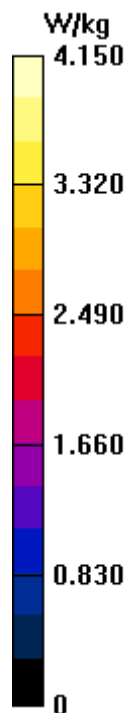
**Pin=50mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 48.14 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 5.20 W/kg

**SAR(1 g) = 2.48 W/kg; SAR(10 g) = 1.19 W/kg** (SAR corrected for target medium)

Maximum value of SAR (measured) = 4.19 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: 2022/01/18

**P01 WLAN2.4G\_802.11b\_Top Side\_0mm\_Ch11\_Ant 0+1**

**DUT: BFLF-WTW-P21120136**

Communication System: UID 10012 - CAB, IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps); Frequency: 2462 MHz; Duty Cycle: 1:1

Medium: H19T27N1\_0118 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.874$  S/m;  $\epsilon_r = 39.139$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.3 °C ; Liquid Temperature : 23.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7537; ConvF(7.61, 7.61, 7.61) @ 2462 MHz; Calibrated: 2021/04/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2021/04/15
- Phantom: ELI Phantom\_2118; Type: QD OVA 004 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Area Scan (51x321x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm  
Maximum value of SAR (interpolated) = 1.28 W/kg

**Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 26.41 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.82 W/kg

**SAR(1 g) = 0.714 W/kg; SAR(10 g) = 0.315 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 = 37%

Maximum value of SAR (measured) = 1.24 W/kg

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

Reference Value = 26.41 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.86 W/kg

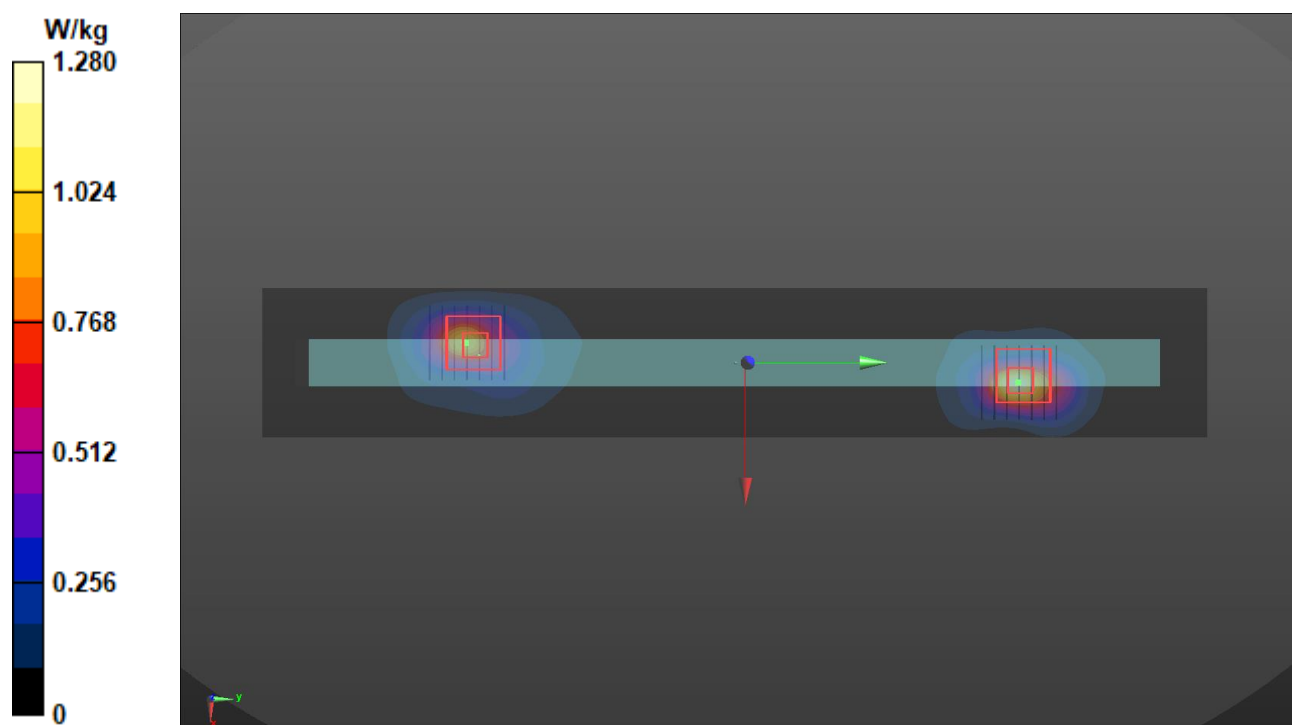
**SAR(1 g) = 0.655 W/kg; SAR(10 g) = 0.276 W/kg** (SAR corrected for target medium)

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

Ratio of SAR at M2 to SAR at M1 = 44.4%

Maximum value of SAR (measured) = 1.15 W/kg

## Plots of Measurement



## Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/01/19

**P02 WLAN5.3G\_802.11n HT40\_Top Side\_0mm\_Ch54\_Ant 0+1**

**DUT: BFLF-WTW-P21120136**

Communication System: UID 10599 - AAC, IEEE 802.11n (HT Mixed, 40MHz, MCS0); Frequency: 5270 MHz; Duty Cycle: 1:1

Medium: H34T60N1\_0119 Medium parameters used:  $f = 5270$  MHz;  $\sigma = 4.706$  S/m;  $\epsilon_r = 36.766$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7537; ConvF(5.5, 5.5, 5.5) @ 5270 MHz; Calibrated: 2021/04/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2021/04/15
- Phantom: ELI Phantom\_2118; Type: QD OVA 004 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Area Scan (61x381x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.79 W/kg

**Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 21.65 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 4.65 W/kg

**SAR(1 g) = 1.03 W/kg; SAR(10 g) = 0.317 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 = 62.6%

Maximum value of SAR (measured) = 2.58 W/kg

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

Reference Value = 21.65 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 3.34 W/kg

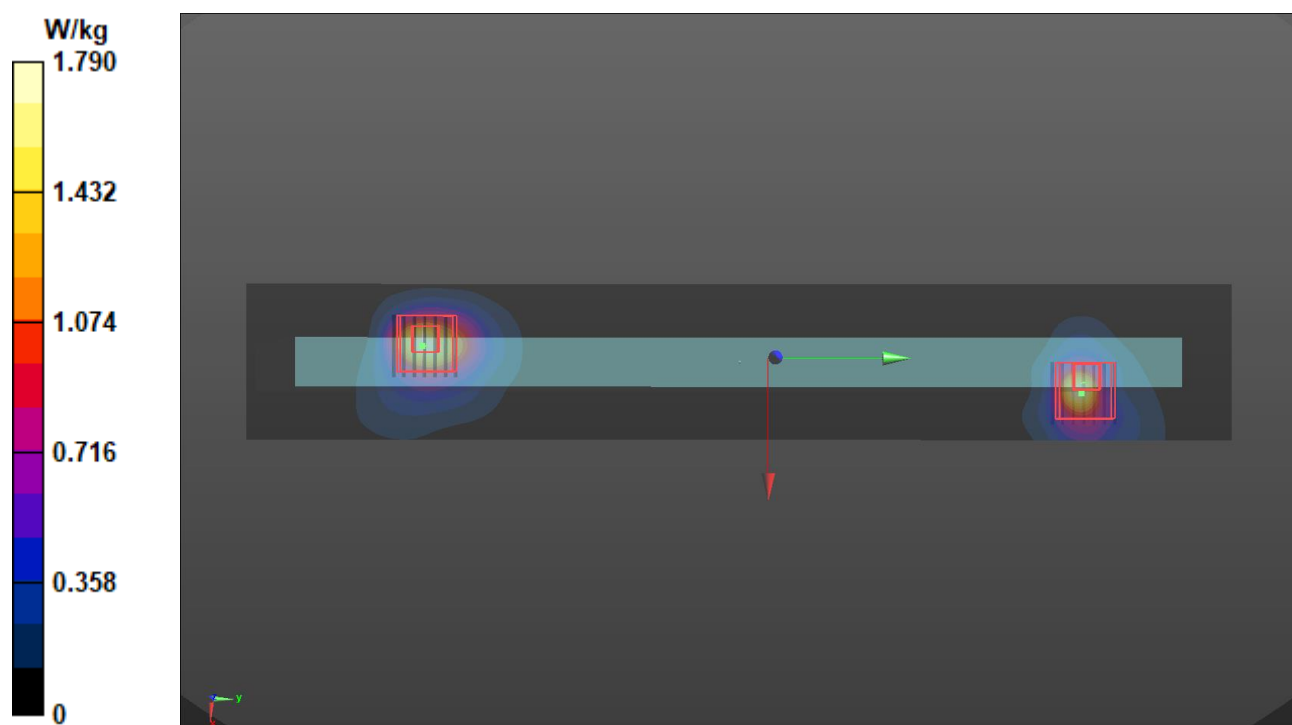
**SAR(1 g) = 0.904 W/kg; SAR(10 g) = 0.289 W/kg** (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 6.4 mm

Ratio of SAR at M2 to SAR at M1 = 64.8%

Maximum value of SAR (measured) = 2.02 W/kg

## Plots of Measurement



## Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/01/19

**P03 WLAN5.6G\_802.11ac VHT80\_Top Side\_0mm\_Ch138\_Ant 0**

**DUT: BFLF-WTW-P21120136**

Communication System: UID 10544 - AAC, IEEE 802.11ac WiFi (80MHz, MCS0); Frequency: 5690 MHz; Duty Cycle: 1:1

Medium: H34T60N1\_0119 Medium parameters used:  $f = 5690$  MHz;  $\sigma = 5.082$  S/m;  $\epsilon_r = 35.898$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7537; ConvF(4.95, 4.95, 4.95) @ 5690 MHz; Calibrated: 2021/04/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2021/04/15
- Phantom: ELI Phantom\_2118; Type: QD OVA 004 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Area Scan (61x381x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 2.48 W/kg

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

Reference Value = 20.75 V/m; Power Drift = -0.09 dB

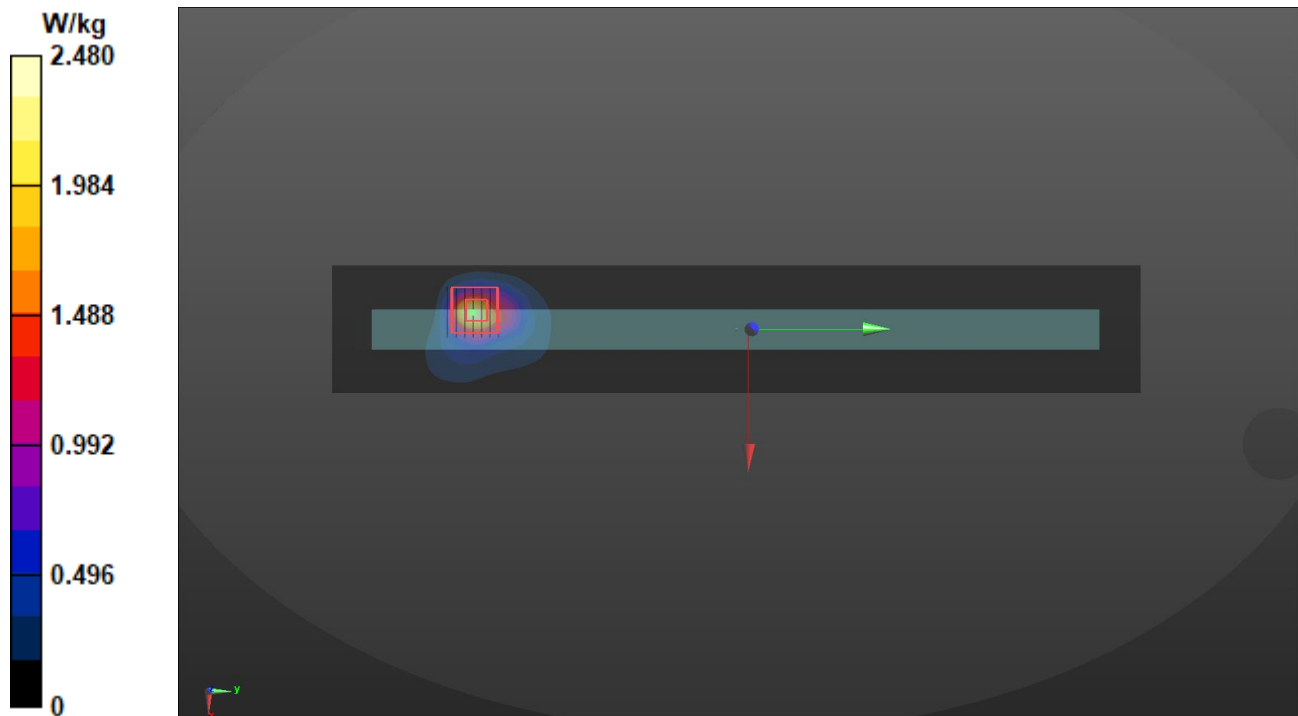
Peak SAR (extrapolated) = 4.51 W/kg

**SAR(1 g) = 1.08 W/kg; SAR(10 g) = 0.323 W/kg** (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 5.7 mm

Ratio of SAR at M2 to SAR at M1 = 63.1%

Maximum value of SAR (measured) = 2.66 W/kg



## Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/01/20

**P04 WLAN5.8G\_802.11ac VHT80\_Top Side\_0mm\_Ch155\_Ant 0+1**

**DUT: BFLF-WTW-P21120136**

Communication System: UID 10544 - AAC, IEEE 802.11ac WiFi (80MHz, MCS0); Frequency: 5775 MHz; Duty Cycle: 1:1

Medium: H34T60N1\_0120 Medium parameters used:  $f = 5775$  MHz;  $\sigma = 5.328$  S/m;  $\epsilon_r = 35.188$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7537; ConvF(4.95, 4.95, 4.95) @ 5775 MHz; Calibrated: 2021/04/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2021/04/15
- Phantom: ELI Phantom\_2118; Type: QD OVA 004 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Area Scan (61x381x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 2.51 W/kg

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

Reference Value = 21.31 V/m; Power Drift = -0.09 dB

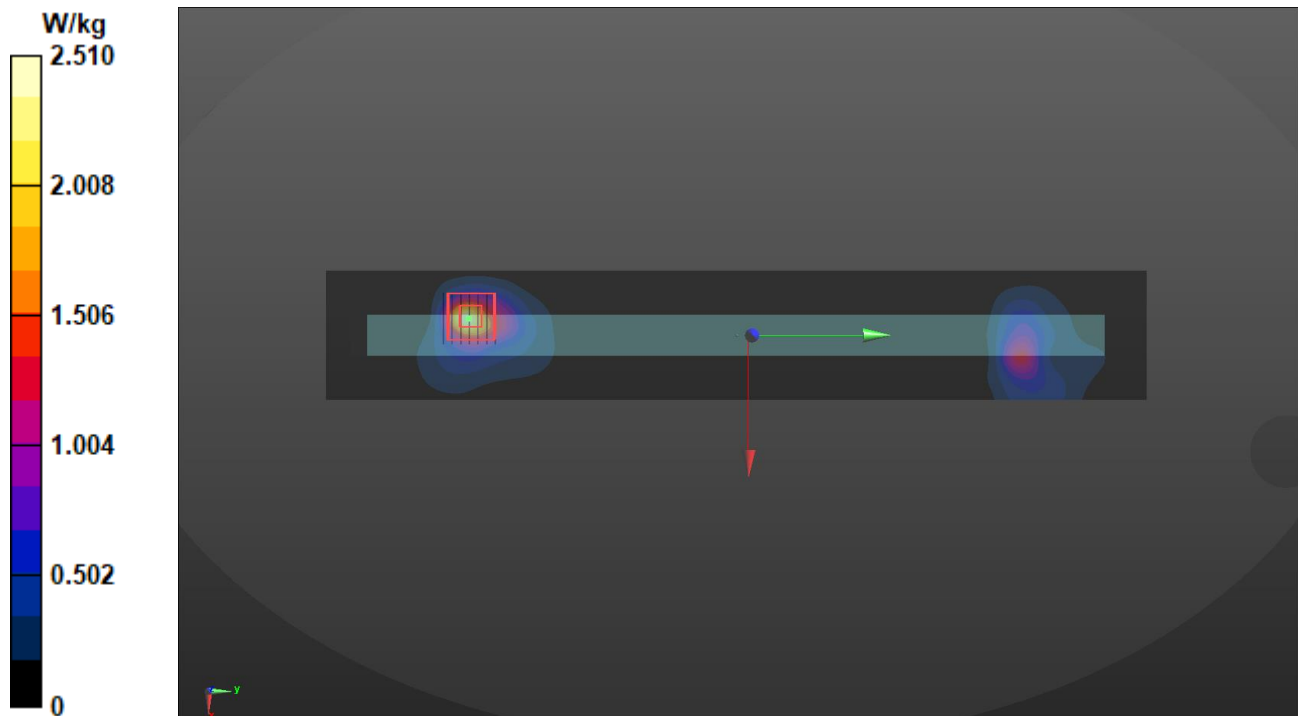
Peak SAR (extrapolated) = 4.76 W/kg

**SAR(1 g) = 1.12 W/kg; SAR(10 g) = 0.335 W/kg** (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 5.8 mm

Ratio of SAR at M2 to SAR at M1 = 62.3%

Maximum value of SAR (measured) = 2.79 W/kg



## Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/01/18

**P05 BT\_BDR\_Top Side\_0mm\_Ch78\_Ant 1**

**DUT: BFLF-WTW-P21120136**

Communication System: UID 10032 - CAA, IEEE 802.15.1 Bluetooth (GFSK, DH5); Frequency: 2480 MHz; Duty Cycle: 1:1.31

Medium: H19T27N1\_0118 Medium parameters used:  $f = 2480$  MHz;  $\sigma = 1.892$  S/m;  $\epsilon_r = 39.081$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.3 °C ; Liquid Temperature : 23.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7537; ConvF(7.61, 7.61, 7.61) @ 2480 MHz; Calibrated: 2021/04/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2021/04/15
- Phantom: ELI Phantom\_2118; Type: QD OVA 004 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Area Scan (51x321x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.156 W/kg

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

Reference Value = 9.381 V/m; Power Drift = -0.04 dB

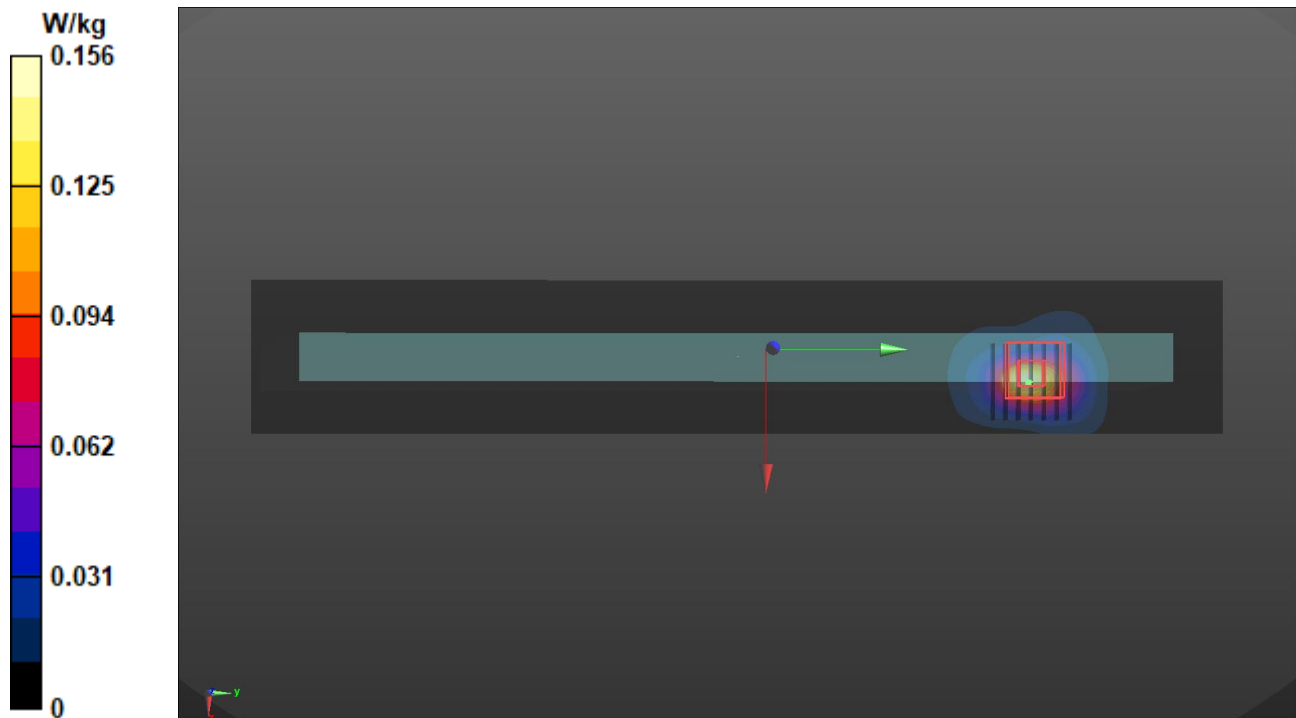
Peak SAR (extrapolated) = 0.236 W/kg

**SAR(1 g) = 0.083 W/kg; SAR(10 g) = 0.035 W/kg** (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 5.6 mm

Ratio of SAR at M2 to SAR at M1 = 33.1%

Maximum value of SAR (measured) = 0.157 W/kg



## Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/2/21

**P06 WLAN2.4G\_802.11b\_Lid Closed Mode\_0mm\_Ch6\_Ant 0+1**

**DUT: BFLF-WTW-P21120136**

Communication System: UID 10012 - CAB, IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps); Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: H19T27N1\_0221 Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.816$  S/m;  $\epsilon_r = 38.635$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(7.34, 7.34, 7.34) @ 2437 MHz; Calibrated: 2021/6/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: ELI Phantom\_1191; Type: QDOVA002AA; Serial: 1191
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Area Scan (101x301x1):** Interpolated grid:  $dx=1.200$  mm,  $dy=1.200$  mm  
Maximum value of SAR (interpolated) = 0.161 W/kg

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

Reference Value = 9.812 V/m; Power Drift = -0.02 dB

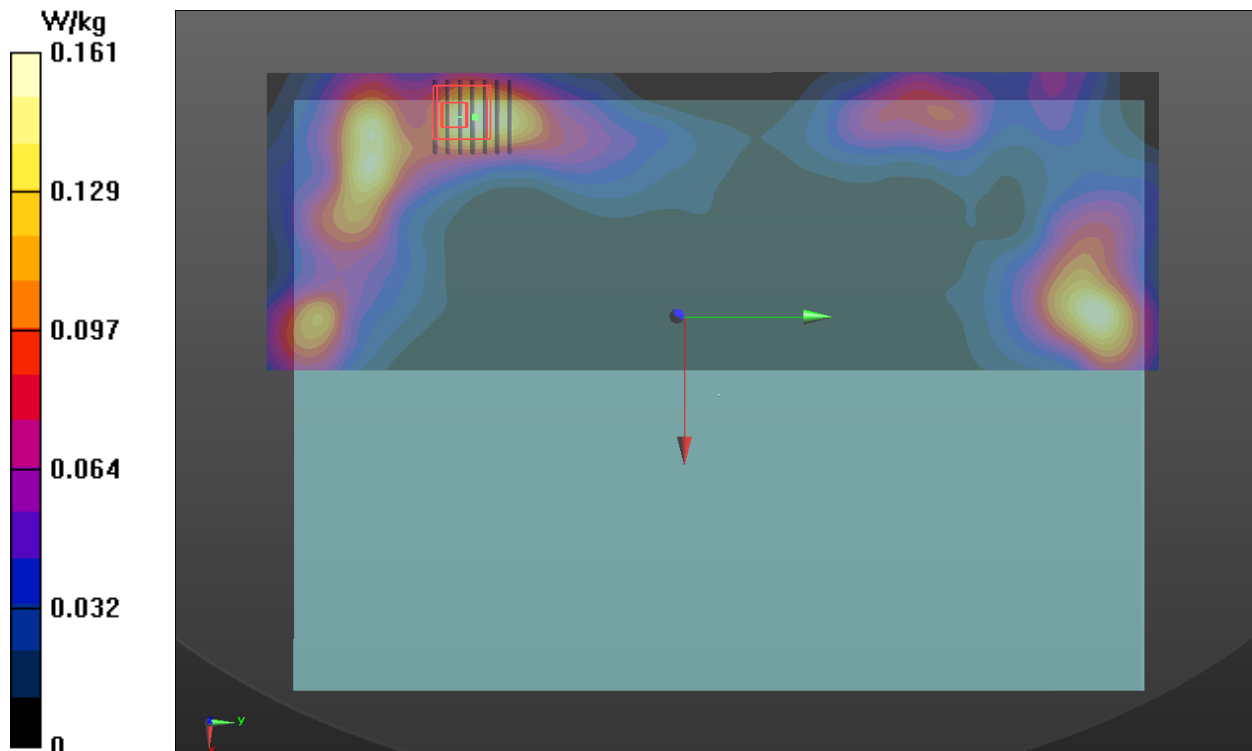
Peak SAR (extrapolated) = 0.216 W/kg

**SAR(1 g) = 0.110 W/kg; SAR(10 g) = 0.053 W/kg** (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 8.6 mm

Ratio of SAR at M2 to SAR at M1 = 52.4%

Maximum value of SAR (measured) = 0.175 W/kg



## Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/2/21

**P07 WLAN5.3G\_802.11a\_Lid Closed Mode\_0mm\_Ch56\_Ant 0**

**DUT: BFLF-WTW-P21120136**

Communication System: UID 10062 - CAD, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps); Frequency: 5280 MHz; Duty Cycle: 1:1

Medium: H34T60N1\_0221 Medium parameters used:  $f = 5280$  MHz;  $\sigma = 4.656$  S/m;  $\epsilon_r = 35.691$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(5.39, 5.39, 5.39) @ 5280 MHz; Calibrated: 2021/6/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: ELI Phantom\_1191; Type: QDOVA002AA; Serial: 1191
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Area Scan (81x361x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 0.433 W/kg

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

Reference Value = 9.911 V/m; Power Drift = 0.17 dB

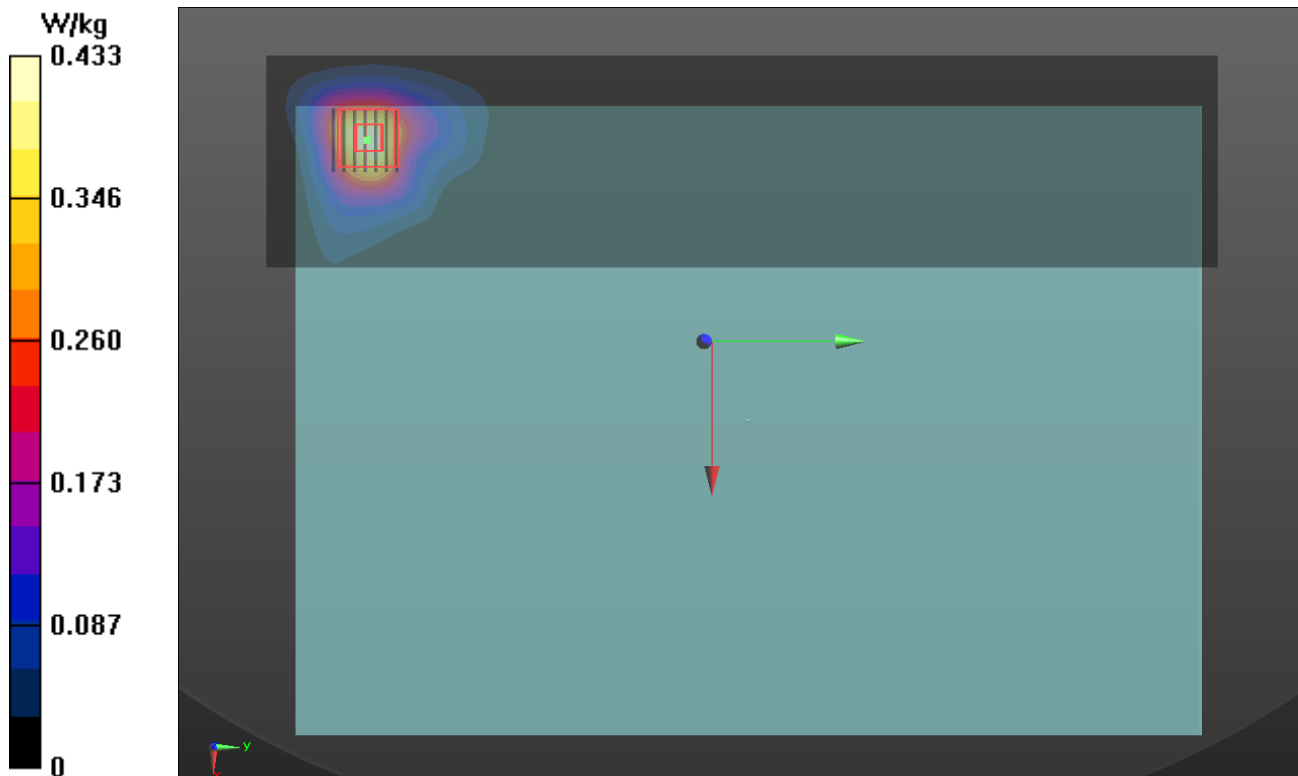
Peak SAR (extrapolated) = 0.867 W/kg

**SAR(1 g) = 0.236 W/kg; SAR(10 g) = 0.086 W/kg** (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 9.6 mm

Ratio of SAR at M2 to SAR at M1 = 64.6%

Maximum value of SAR (measured) = 0.541 W/kg



## Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/2/21

**P08 WLAN5.6G\_802.11a\_Lid Closed Mode\_0mm\_Ch132\_Ant 1**

**DUT: BFLF-WTW-P21120136**

Communication System: UID 10062 - CAD, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps); Frequency: 5660 MHz; Duty Cycle: 1:1

Medium: H34T60N1\_0221 Medium parameters used:  $f = 5660$  MHz;  $\sigma = 5.03$  S/m;  $\epsilon_r = 35.16$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(5, 5, 5) @ 5660 MHz; Calibrated: 2021/6/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: ELI Phantom\_1191; Type: QDOVA002AA; Serial: 1191
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Area Scan (81x361x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.22 W/kg

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

Reference Value = 16.99 V/m; Power Drift = -0.08 dB

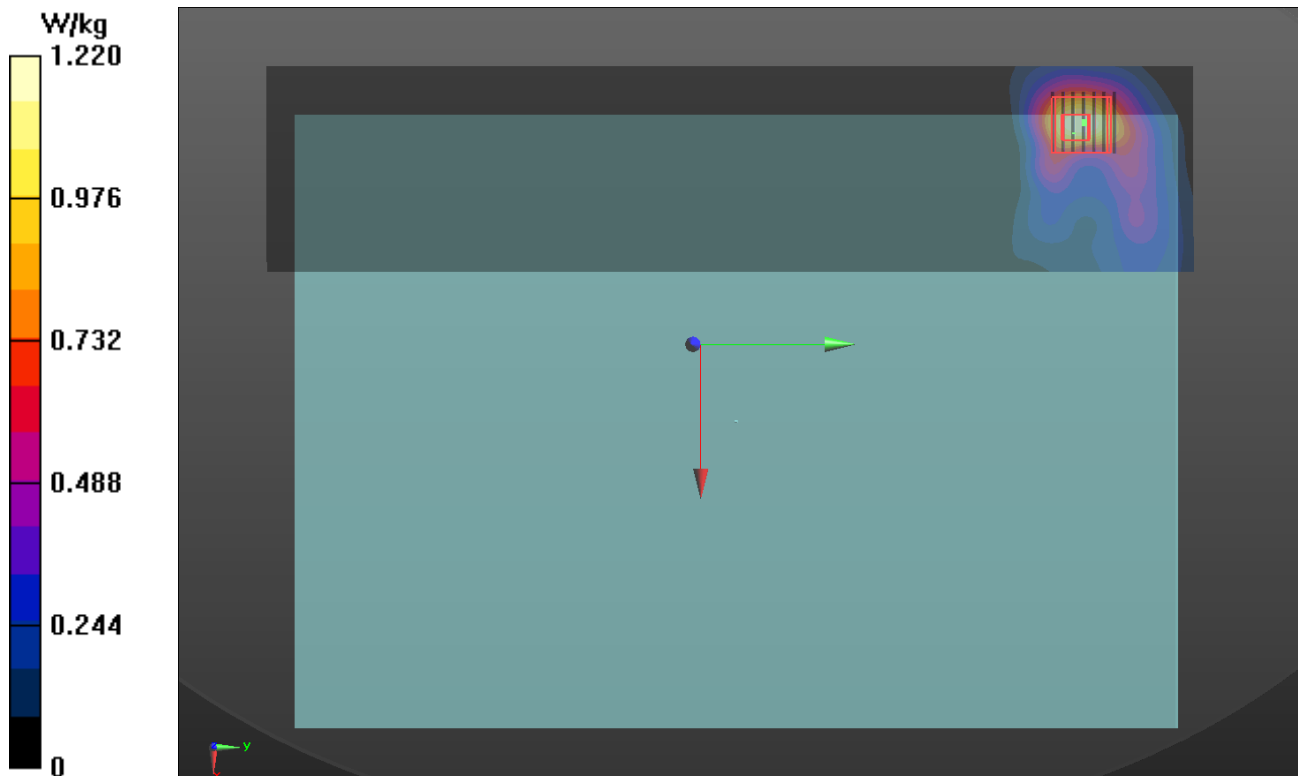
Peak SAR (extrapolated) = 2.43 W/kg

**SAR(1 g) = 0.629 W/kg; SAR(10 g) = 0.236 W/kg** (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 9.7 mm

Ratio of SAR at M2 to SAR at M1 = 62.7%

Maximum value of SAR (measured) = 1.44 W/kg



## Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/2/21

**P09 WLAN5.8G\_802.11a\_Lid Closed Mode\_0mm\_Ch153\_Ant 0**

**DUT: BFLF-WTW-P21120136**

Communication System: UID 10062 - CAD, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps); Frequency: 5765 MHz; Duty Cycle: 1:1

Medium: H34T60N1\_0221 Medium parameters used:  $f = 5765$  MHz;  $\sigma = 5.15$  S/m;  $\epsilon_r = 35.059$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(5.05, 5.05, 5.05) @ 5765 MHz; Calibrated: 2021/6/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: ELI Phantom\_1191; Type: QDOVA002AA; Serial: 1191
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Area Scan (81x361x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

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

Reference Value = 20.25 V/m; Power Drift = 0.05 dB

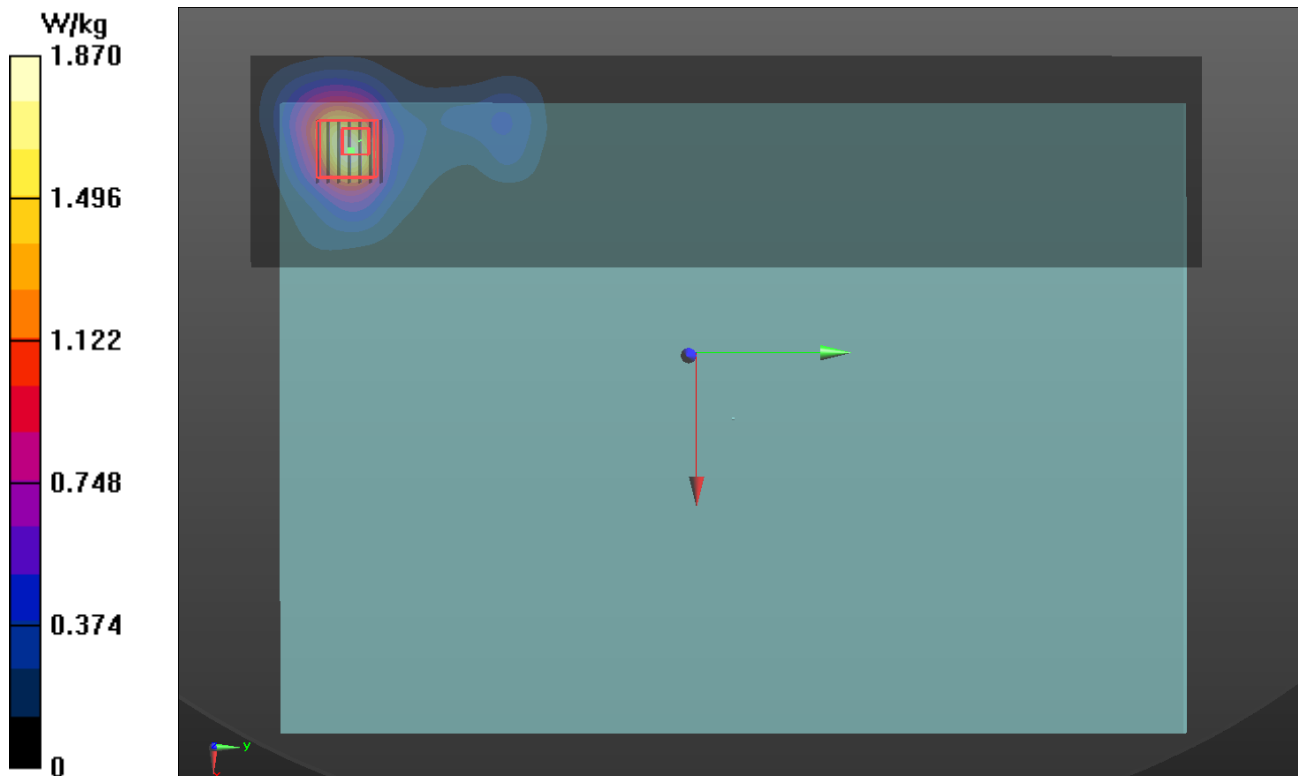
Peak SAR (extrapolated) = 3.67 W/kg

**SAR(1 g) = 0.927 W/kg; SAR(10 g) = 0.328 W/kg** (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 7.9 mm

Ratio of SAR at M2 to SAR at M1 = 62.6%

Maximum value of SAR (measured) = 2.18 W/kg



## Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/02/21

**P10 BT\_BDR\_Lid Closed Mode\_0mm\_Ch0\_Ant 1**

**DUT: BFLF-WTW-P21120136**

Communication System: UID 10032 - CAA, IEEE 802.15.1 Bluetooth (GFSK, DH5); Frequency: 2402 MHz; Duty Cycle: 1:1.31

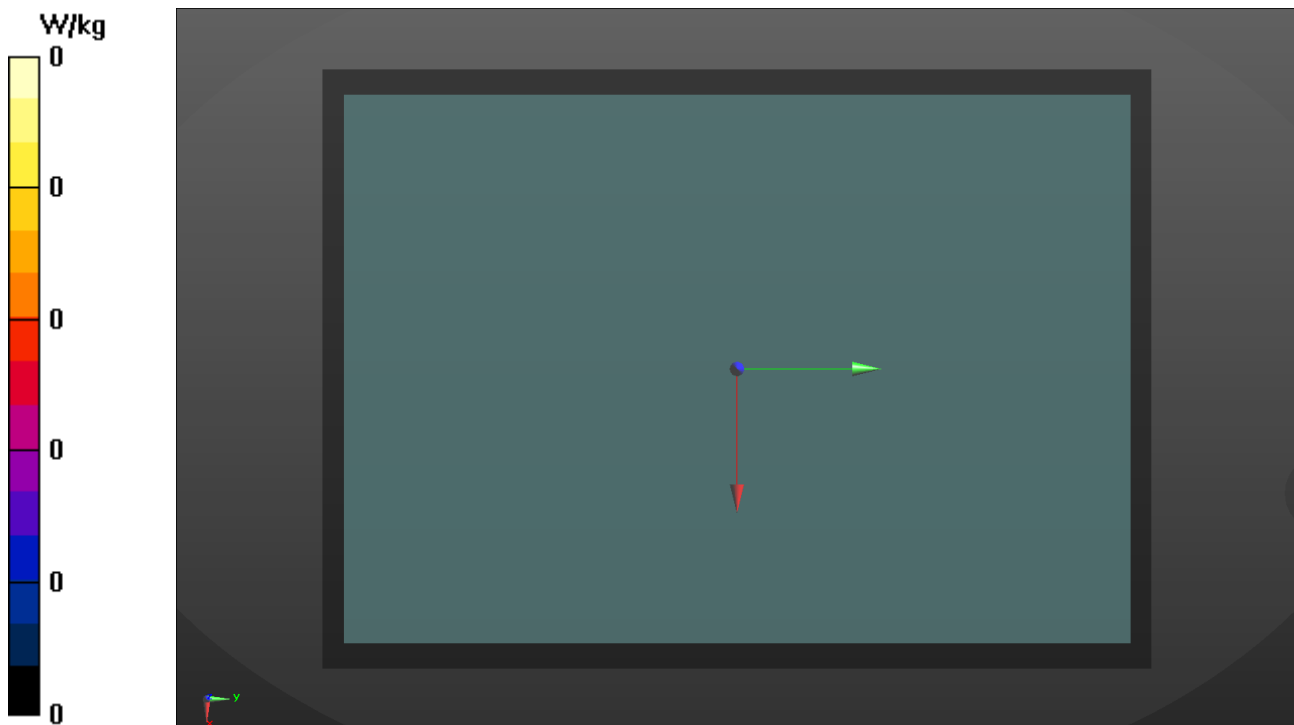
Medium: H19T27N1\_0221 Medium parameters used (interpolated):  $f = 2402$  MHz;  $\sigma = 1.821$  S/m;  $\epsilon_r = 38.576$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(7.34, 7.34, 7.34) @ 2402 MHz; Calibrated: 2021/06/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/09/20
- Phantom: ELI Phantom\_1191; Type: QDOVA002AA; Serial: 1191
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Area Scan (221x301x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm  
Maximum value of SAR (interpolated) = 0 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  $\pm 10\%$  of the target values. Liquid temperature during the SAR testing has kept within  $\pm 2^\circ\text{C}$ .
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 <sub>r</sub> ) | Targeted Conductivity (σ) | Targeted Permittivity (ε <sub>r</sub> ) | Deviation Conductivity (σ) | Deviation Permittivity (ε <sub>r</sub> ) | 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              | 1.862            | 39.176                         | 1.8                       | 39.2                                    | 3.44                       | -0.06                                    | Pass              | Pass            | Pass           | OFDM                      | N/A         | Pass | Jan. 18, 2022 | 2450              | 52.60                  | 2.58                   | 51.48                    | -2.13         | 737        | 7537      | 1585    | 17                |
| S02                 | 5250            | 23.2              | 4.682            | 36.664                         | 4.71                      | 35.9                                    | -0.59                      | 2.13                                     | Pass              | Pass            | Pass           | OFDM                      | N/A         | Pass | Jan. 19, 2022 | 5250              | 80.60                  | 4.02                   | 80.21                    | -0.48         | 1019       | 7537      | 1585    | 17                |
| S03                 | 5600            | 23.2              | 5.056            | 36.215                         | 5.07                      | 35.5                                    | -0.28                      | 2.01                                     | Pass              | Pass            | Pass           | OFDM                      | N/A         | Pass | Jan. 19, 2022 | 5600              | 82.40                  | 4.53                   | 90.39                    | 9.69          | 1019       | 7537      | 1585    | 17                |
| S04                 | 5750            | 23.3              | 5.303            | 35.218                         | 5.22                      | 35.4                                    | 1.59                       | -0.51                                    | Pass              | Pass            | Pass           | OFDM                      | N/A         | Pass | Jan. 20, 2022 | 5750              | 79.40                  | 4.14                   | 82.60                    | 4.04          | 1019       | 7537      | 1585    | 17                |
| S05                 | 2450            | 23.1              | 1.862            | 39.176                         | 1.8                       | 39.2                                    | 3.44                       | -0.06                                    | Pass              | Pass            | Pass           | OFDM                      | N/A         | Pass | Jan. 18, 2022 | 2450              | 52.60                  | 2.58                   | 51.48                    | -2.13         | 737        | 7537      | 1585    | 17                |
| S06                 | 2450            | 23.1              | 1.829            | 38.581                         | 1.8                       | 39.2                                    | 1.61                       | -1.58                                    | Pass              | Pass            | Pass           | OFDM                      | N/A         | Pass | Feb. 21, 2022 | 2450              | 52.60                  | 2.48                   | 49.48                    | -5.93         | 737        | 3578      | 1590    | 17                |
| S07                 | 5250            | 23.1              | 4.604            | 35.76                          | 4.71                      | 35.9                                    | -2.25                      | -0.39                                    | Pass              | Pass            | Pass           | OFDM                      | N/A         | Pass | Feb. 21, 2022 | 5250              | 80.60                  | 3.74                   | 74.62                    | -7.42         | 1019       | 3578      | 1590    | 17                |
| S08                 | 5600            | 23.1              | 4.966            | 35.251                         | 5.07                      | 35.5                                    | -2.05                      | -0.70                                    | Pass              | Pass            | Pass           | OFDM                      | N/A         | Pass | Feb. 21, 2022 | 5600              | 82.40                  | 4.11                   | 82.01                    | -0.48         | 1019       | 3578      | 1590    | 17                |
| S09                 | 5750            | 23.1              | 5.145            | 35.074                         | 5.22                      | 35.4                                    | -1.44                      | -0.92                                    | Pass              | Pass            | Pass           | OFDM                      | N/A         | Pass | Feb. 21, 2022 | 5750              | 79.40                  | 3.62                   | 72.23                    | -9.03         | 1019       | 3578      | 1590    | 17                |
| S10                 | 2450            | 23.1              | 1.829            | 38.581                         | 1.8                       | 39.2                                    | 1.61                       | -1.58                                    | Pass              | Pass            | Pass           | OFDM                      | N/A         | Pass | Feb. 21, 2022 | 2450              | 52.60                  | 2.48                   | 49.48                    | -5.93         | 737        | 3578      | 1590    | 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<br>Max Tune up | SISO Ant 1<br>Max Tune up | MIMO Ant 0<br>Tune up | MIMO Ant 1<br>Tune up | MIMO Ant<br>0+1<br>Max Tune up |
| 802.11b                   | 1       | 2412      | 19.0                      | 19.0                      | 19.0                  | 19.0                  | 22.0                           |
|                           | 6       | 2437      | 19.0                      | 19.0                      | 19.0                  | 19.0                  | 22.0                           |
|                           | 11      | 2462      | 19.0                      | 19.0                      | 19.0                  | 19.0                  | 22.0                           |
|                           | 12      | 2467      | 15.5                      | 15.5                      | 15.5                  | 15.5                  | 18.5                           |
|                           | 13      | 2472      | 9.0                       | 9.0                       | 9.0                   | 9.0                   | 12.0                           |
| 802.11g                   | 1       | 2412      | 17.0                      | 17.0                      | 17.0                  | 17.0                  | 20.0                           |
|                           | 6       | 2437      | 18.5                      | 18.5                      | 18.5                  | 18.5                  | 21.5                           |
|                           | 11      | 2462      | 17.0                      | 17.0                      | 17.0                  | 17.0                  | 20.0                           |
|                           | 12      | 2467      | 12.0                      | 12.0                      | 12.0                  | 12.0                  | 15.0                           |
|                           | 13      | 2472      | 7.0                       | 7.0                       | 7.0                   | 7.0                   | 10.0                           |
| 802.11n HT20              | 1       | 2412      | 16.5                      | 16.5                      | 16.5                  | 16.5                  | 19.5                           |
|                           | 6       | 2437      | 18.0                      | 18.0                      | 18.0                  | 18.0                  | 21.0                           |
|                           | 11      | 2462      | 16.5                      | 16.5                      | 16.5                  | 16.5                  | 19.5                           |
|                           | 12      | 2467      | 10.0                      | 10.0                      | 10.0                  | 10.0                  | 13.0                           |
|                           | 13      | 2472      | 5.5                       | 5.5                       | 5.5                   | 5.5                   | 8.5                            |
| 802.11n HT40              | 3       | 2422      | 15.0                      | 15.0                      | 15.0                  | 15.0                  | 18.0                           |
|                           | 6       | 2437      | 16.0                      | 16.0                      | 16.0                  | 16.0                  | 19.0                           |
|                           | 9       | 2452      | 15.0                      | 15.0                      | 15.0                  | 15.0                  | 18.0                           |
|                           | 10      | 2457      | 8.5                       | 8.5                       | 8.5                   | 8.5                   | 11.5                           |
|                           | 11      | 2462      | 6.5                       | 6.5                       | 6.5                   | 6.5                   | 9.5                            |
| 802.11ac VHT20            | 1       | 2412      | 16.5                      | 16.5                      | 16.5                  | 16.5                  | 19.5                           |
|                           | 6       | 2437      | 18.0                      | 18.0                      | 18.0                  | 18.0                  | 21.0                           |
|                           | 11      | 2462      | 16.5                      | 16.5                      | 16.5                  | 16.5                  | 19.5                           |
|                           | 12      | 2467      | 10.0                      | 10.0                      | 10.0                  | 10.0                  | 13.0                           |
|                           | 13      | 2472      | 5.5                       | 5.5                       | 5.5                   | 5.5                   | 8.5                            |
| 802.11ac VHT40            | 3       | 2422      | 15.0                      | 15.0                      | 15.0                  | 15.0                  | 18.0                           |
|                           | 6       | 2437      | 16.0                      | 16.0                      | 16.0                  | 16.0                  | 19.0                           |
|                           | 9       | 2452      | 15.0                      | 15.0                      | 15.0                  | 15.0                  | 18.0                           |
|                           | 10      | 2457      | 8.5                       | 8.5                       | 8.5                   | 8.5                   | 11.5                           |
|                           | 11      | 2462      | 6.5                       | 6.5                       | 6.5                   | 6.5                   | 9.5                            |
| 802.11ax HE20             | 1       | 2412      | 17.0                      | 17.0                      | 17.0                  | 17.0                  | 20.0                           |
|                           | 6       | 2437      | 18.0                      | 18.0                      | 18.0                  | 18.0                  | 21.0                           |
|                           | 11      | 2462      | 16.5                      | 16.5                      | 16.5                  | 16.5                  | 19.5                           |
|                           | 12      | 2467      | 10.5                      | 10.5                      | 10.5                  | 10.5                  | 13.5                           |
|                           | 13      | 2472      | 6.0                       | 6.0                       | 6.0                   | 6.0                   | 9.0                            |
| 802.11ax HE40             | 3       | 2422      | 15.0                      | 15.0                      | 15.0                  | 15.0                  | 18.0                           |
|                           | 6       | 2437      | 16.0                      | 16.0                      | 16.0                  | 16.0                  | 19.0                           |
|                           | 9       | 2452      | 15.0                      | 15.0                      | 15.0                  | 15.0                  | 18.0                           |
|                           | 10      | 2457      | 8.5                       | 8.5                       | 8.5                   | 8.5                   | 11.5                           |
|                           | 11      | 2462      | 6.5                       | 6.5                       | 6.5                   | 6.5                   | 9.5                            |

| WLAN Tune-up Power_Laptop |         |           |                      |                      |  |
|---------------------------|---------|-----------|----------------------|----------------------|--|
| Bluetooth                 |         |           |                      |                      |  |
| Mode                      | Channel | Frequency | Ant 0<br>Max Tune-up | Ant 1<br>Max Tune-up |  |
| BR / EDR                  | 0       | 2402      |                      | 11.5                 |  |
|                           | 39      | 2441      |                      | 11.5                 |  |
|                           | 78      | 2480      |                      | 11.5                 |  |
| LE                        | 0       | 2402      |                      | 11.5                 |  |
|                           | 19      | 2440      |                      | 11.5                 |  |
|                           | 39      | 2480      |                      | 11.5                 |  |

| WLAN Tune-up Power_Laptop |         |           |                           |                           |                       |                       |                                |
|---------------------------|---------|-----------|---------------------------|---------------------------|-----------------------|-----------------------|--------------------------------|
| WLAN 5.2GHz               |         |           |                           |                           |                       |                       |                                |
| Mode                      | Channel | Frequency | SISO Ant 0<br>Max Tune up | SISO Ant 1<br>Max Tune up | MIMO Ant 0<br>Tune up | MIMO Ant 1<br>Tune up | MIMO Ant<br>0+1<br>Max Tune up |
| 802.11a                   | 36      | 5180      | 15.5                      | 15.5                      | 12.5                  | 12.5                  | 15.5                           |
|                           | 40      | 5200      | 17.0                      | 17.0                      | 14.0                  | 14.0                  | 17.0                           |
|                           | 44      | 5220      | 18.0                      | 18.0                      | 15.0                  | 15.0                  | 18.0                           |
|                           | 48      | 5240      | 18.5                      | 18.5                      | 15.5                  | 15.5                  | 18.5                           |
| 802.11n HT20              | 36      | 5180      | 15.5                      | 15.5                      | 12.5                  | 12.5                  | 15.5                           |
|                           | 40      | 5200      | 17.0                      | 17.0                      | 14.0                  | 14.0                  | 17.0                           |
|                           | 44      | 5220      | 17.5                      | 17.5                      | 14.5                  | 14.5                  | 17.5                           |
|                           | 48      | 5240      | 18.0                      | 18.0                      | 15.0                  | 15.0                  | 18.0                           |
| 802.11n HT40              | 38      | 5190      | 15.0                      | 15.0                      | 12.0                  | 12.0                  | 15.0                           |
|                           | 46      | 5230      | 17.5                      | 17.5                      | 14.5                  | 14.5                  | 17.5                           |
| 802.11ac VHT20            | 36      | 5180      | 15.5                      | 15.5                      | 12.5                  | 12.5                  | 15.5                           |
|                           | 40      | 5200      | 17.0                      | 17.0                      | 14.0                  | 14.0                  | 17.0                           |
|                           | 44      | 5220      | 17.5                      | 17.5                      | 14.5                  | 14.5                  | 17.5                           |
|                           | 48      | 5240      | 18.0                      | 18.0                      | 15.0                  | 15.0                  | 18.0                           |
| 802.11ac VHT40            | 38      | 5190      | 15.0                      | 15.0                      | 12.0                  | 12.0                  | 15.0                           |
|                           | 46      | 5230      | 17.5                      | 17.5                      | 14.5                  | 14.5                  | 17.5                           |
| 802.11ac VHT80            | 42      | 5210      | 14.0                      | 14.0                      | 11.0                  | 11.0                  | 14.0                           |
| 802.11ax HE20             | 36      | 5180      | 16.0                      | 16.0                      | 13.0                  | 13.0                  | 16.0                           |
|                           | 40      | 5200      | 17.0                      | 17.0                      | 14.0                  | 14.0                  | 17.0                           |
|                           | 44      | 5220      | 17.5                      | 17.5                      | 14.5                  | 14.5                  | 17.5                           |
|                           | 48      | 5240      | 18.0                      | 18.0                      | 15.0                  | 15.0                  | 18.0                           |
| 802.11ax HE40             | 38      | 5190      | 15.0                      | 15.0                      | 12.0                  | 12.0                  | 15.0                           |
|                           | 46      | 5230      | 17.5                      | 17.5                      | 14.5                  | 14.5                  | 17.5                           |
| 802.11ax HE80             | 42      | 5210      | 14.0                      | 14.0                      | 11.0                  | 11.0                  | 14.0                           |

| WLAN Tune-up Power_Laptop |         |           |                           |                           |                       |                       |                                |
|---------------------------|---------|-----------|---------------------------|---------------------------|-----------------------|-----------------------|--------------------------------|
| WLAN 5.3GHz               |         |           |                           |                           |                       |                       |                                |
| Mode                      | Channel | Frequency | SISO Ant 0<br>Max Tune up | SISO Ant 1<br>Max Tune up | MIMO Ant 0<br>Tune up | MIMO Ant 1<br>Tune up | MIMO Ant<br>0+1<br>Max Tune up |
| 802.11a                   | 52      | 5260      | 17.5                      | 17.5                      | 14.5                  | 14.5                  | 17.5                           |
|                           | 56      | 5280      | 17.5                      | 17.5                      | 14.5                  | 14.5                  | 17.5                           |
|                           | 60      | 5300      | 17.5                      | 17.5                      | 14.5                  | 14.5                  | 17.5                           |
|                           | 64      | 5320      | 15.5                      | 15.5                      | 12.5                  | 12.5                  | 15.5                           |
| 802.11n HT20              | 52      | 5260      | 17.5                      | 17.5                      | 14.5                  | 14.5                  | 17.5                           |
|                           | 56      | 5280      | 17.5                      | 17.5                      | 14.5                  | 14.5                  | 17.5                           |
|                           | 60      | 5300      | 17.5                      | 17.5                      | 14.5                  | 14.5                  | 17.5                           |
|                           | 64      | 5320      | 15.5                      | 15.5                      | 12.5                  | 12.5                  | 15.5                           |
| 802.11n HT40              | 54      | 5270      | 17.5                      | 17.5                      | 14.5                  | 14.5                  | 17.5                           |
|                           | 62      | 5310      | 15.0                      | 15.0                      | 12.0                  | 12.0                  | 15.0                           |
| 802.11ac VHT20            | 52      | 5260      | 17.5                      | 17.5                      | 14.5                  | 14.5                  | 17.5                           |
|                           | 56      | 5280      | 17.5                      | 17.5                      | 14.5                  | 14.5                  | 17.5                           |
|                           | 60      | 5300      | 17.5                      | 17.5                      | 14.5                  | 14.5                  | 17.5                           |
|                           | 64      | 5320      | 15.5                      | 15.5                      | 12.5                  | 12.5                  | 15.5                           |
| 802.11ac VHT40            | 54      | 5270      | 17.5                      | 17.5                      | 14.5                  | 14.5                  | 17.5                           |
|                           | 62      | 5310      | 15.0                      | 15.0                      | 12.0                  | 12.0                  | 15.0                           |
| 802.11ac VHT80            | 58      | 5290      | 14.0                      | 14.0                      | 11.0                  | 11.0                  | 14.0                           |
| 802.11ax HE20             | 52      | 5260      | 17.5                      | 17.5                      | 14.5                  | 14.5                  | 17.5                           |
|                           | 56      | 5280      | 17.5                      | 17.5                      | 14.5                  | 14.5                  | 17.5                           |
|                           | 60      | 5300      | 17.5                      | 17.5                      | 14.5                  | 14.5                  | 17.5                           |
|                           | 64      | 5320      | 15.5                      | 15.5                      | 12.5                  | 12.5                  | 15.5                           |
| 802.11ax HE40             | 54      | 5270      | 17.5                      | 17.5                      | 14.5                  | 14.5                  | 17.5                           |
|                           | 62      | 5310      | 15.0                      | 15.0                      | 12.0                  | 12.0                  | 15.0                           |
| 802.11ax HE80             | 58      | 5290      | 14.0                      | 14.0                      | 11.0                  | 11.0                  | 14.0                           |

| WLAN Tune-up Power_Laptop |         |           |                           |                           |                       |                       |                                |
|---------------------------|---------|-----------|---------------------------|---------------------------|-----------------------|-----------------------|--------------------------------|
| WLAN 5.6GHz               |         |           |                           |                           |                       |                       |                                |
| Mode                      | Channel | Frequency | SISO Ant 0<br>Max Tune up | SISO Ant 1<br>Max Tune up | MIMO Ant 0<br>Tune up | MIMO Ant 1<br>Tune up | MIMO Ant<br>0+1<br>Max Tune up |
| 802.11a                   | 100     | 5500      | 16.5                      | 16.5                      | 13.5                  | 13.5                  | 16.5                           |
|                           | 116     | 5580      | 18.5                      | 18.5                      | 15.5                  | 15.5                  | 18.5                           |
|                           | 120     | 5600      | 18.5                      | 18.5                      | 15.5                  | 15.5                  | 18.5                           |
|                           | 124     | 5620      | 18.5                      | 18.5                      | 15.5                  | 15.5                  | 18.5                           |
|                           | 132     | 5660      | 18.5                      | 18.5                      | 15.5                  | 15.5                  | 18.5                           |
|                           | 140     | 5700      | 17.5                      | 17.5                      | 14.5                  | 14.5                  | 17.5                           |
|                           | 144     | 5720      | 18.5                      | 18.5                      | 15.5                  | 15.5                  | 18.5                           |
| 802.11n HT20              | 100     | 5500      | 16.5                      | 16.5                      | 13.5                  | 13.5                  | 16.5                           |
|                           | 116     | 5580      | 18.5                      | 18.5                      | 15.5                  | 15.5                  | 18.5                           |
|                           | 120     | 5600      | 18.5                      | 18.5                      | 15.5                  | 15.5                  | 18.5                           |
|                           | 124     | 5620      | 18.5                      | 18.5                      | 15.5                  | 15.5                  | 18.5                           |
|                           | 132     | 5660      | 18.5                      | 18.5                      | 15.5                  | 15.5                  | 18.5                           |
|                           | 140     | 5700      | 17.0                      | 17.0                      | 14.0                  | 14.0                  | 17.0                           |
|                           | 144     | 5720      | 18.5                      | 18.5                      | 15.5                  | 15.5                  | 18.5                           |
| 802.11n HT40              | 102     | 5510      | 16.5                      | 16.5                      | 13.5                  | 13.5                  | 16.5                           |
|                           | 110     | 5550      | 17.0                      | 17.0                      | 14.0                  | 14.0                  | 17.0                           |
|                           | 118     | 5590      | 17.0                      | 17.0                      | 14.0                  | 14.0                  | 17.0                           |
|                           | 126     | 5630      | 17.0                      | 17.0                      | 14.0                  | 14.0                  | 17.0                           |
|                           | 134     | 5670      | 17.0                      | 17.0                      | 14.0                  | 14.0                  | 17.0                           |
|                           | 142     | 5710      | 17.0                      | 17.0                      | 14.0                  | 14.0                  | 17.0                           |
| 802.11ac VHT20            | 100     | 5500      | 16.5                      | 16.5                      | 13.5                  | 13.5                  | 16.5                           |
|                           | 116     | 5580      | 18.5                      | 18.5                      | 15.5                  | 15.5                  | 18.5                           |
|                           | 120     | 5600      | 18.5                      | 18.5                      | 15.5                  | 15.5                  | 18.5                           |
|                           | 124     | 5620      | 18.5                      | 18.5                      | 15.5                  | 15.5                  | 18.5                           |
|                           | 132     | 5660      | 18.5                      | 18.5                      | 15.5                  | 15.5                  | 18.5                           |
|                           | 140     | 5700      | 17.0                      | 17.0                      | 14.0                  | 14.0                  | 17.0                           |
|                           | 144     | 5720      | 18.5                      | 18.5                      | 15.5                  | 15.5                  | 18.5                           |
| 802.11ac VHT40            | 102     | 5510      | 16.5                      | 16.5                      | 13.5                  | 13.5                  | 16.5                           |
|                           | 110     | 5550      | 17.0                      | 17.0                      | 14.0                  | 14.0                  | 17.0                           |
|                           | 118     | 5590      | 17.0                      | 17.0                      | 14.0                  | 14.0                  | 17.0                           |
|                           | 126     | 5630      | 17.0                      | 17.0                      | 14.0                  | 14.0                  | 17.0                           |
|                           | 134     | 5670      | 17.0                      | 17.0                      | 14.0                  | 14.0                  | 17.0                           |
|                           | 142     | 5710      | 17.0                      | 17.0                      | 14.0                  | 14.0                  | 17.0                           |
| 802.11ac VHT80            | 106     | 5530      | 14.5                      | 14.5                      | 11.5                  | 11.5                  | 14.5                           |
|                           | 122     | 5610      | 16.5                      | 16.5                      | 13.5                  | 13.5                  | 16.5                           |
|                           | 138     | 5690      | 16.5                      | 16.5                      | 13.5                  | 13.5                  | 16.5                           |
| 802.11ax HE20             | 100     | 5500      | 16.5                      | 16.5                      | 13.5                  | 13.5                  | 16.5                           |
|                           | 116     | 5580      | 18.5                      | 18.5                      | 15.5                  | 15.5                  | 18.5                           |
|                           | 120     | 5600      | 18.5                      | 18.5                      | 15.5                  | 15.5                  | 18.5                           |
|                           | 124     | 5620      | 18.5                      | 18.5                      | 15.5                  | 15.5                  | 18.5                           |
|                           | 132     | 5660      | 18.5                      | 18.5                      | 15.5                  | 15.5                  | 18.5                           |
|                           | 140     | 5700      | 17.5                      | 17.5                      | 14.5                  | 14.5                  | 17.5                           |
|                           | 144     | 5720      | 18.5                      | 18.5                      | 15.5                  | 15.5                  | 18.5                           |
| 802.11ax HE40             | 102     | 5510      | 16.5                      | 16.5                      | 13.5                  | 13.5                  | 16.5                           |
|                           | 110     | 5550      | 17.5                      | 17.5                      | 14.5                  | 14.5                  | 17.5                           |
|                           | 118     | 5590      | 17.5                      | 17.5                      | 14.5                  | 14.5                  | 17.5                           |
|                           | 126     | 5630      | 17.5                      | 17.5                      | 14.5                  | 14.5                  | 17.5                           |
|                           | 134     | 5670      | 17.5                      | 17.5                      | 14.5                  | 14.5                  | 17.5                           |
|                           | 142     | 5710      | 17.5                      | 17.5                      | 14.5                  | 14.5                  | 17.5                           |
| 802.11ax HE80             | 106     | 5530      | 14.5                      | 14.5                      | 11.5                  | 11.5                  | 14.5                           |
|                           | 122     | 5610      | 16.5                      | 16.5                      | 13.5                  | 13.5                  | 16.5                           |
|                           | 138     | 5690      | 16.5                      | 16.5                      | 13.5                  | 13.5                  | 16.5                           |

| WLAN Tune-up Power_Laptop |         |           |                           |                           |                       |                       |                                |
|---------------------------|---------|-----------|---------------------------|---------------------------|-----------------------|-----------------------|--------------------------------|
| WLAN 5.8GHz               |         |           |                           |                           |                       |                       |                                |
| Mode                      | Channel | Frequency | SISO Ant 0<br>Max Tune up | SISO Ant 1<br>Max Tune up | MIMO Ant 0<br>Tune up | MIMO Ant 1<br>Tune up | MIMO Ant<br>0+1<br>Max Tune up |
| 802.11a                   | 149     | 5745      | 20.0                      | 20.0                      | 17.0                  | 17.0                  | 20.0                           |
|                           | 153     | 5765      | 20.0                      | 20.0                      | 17.0                  | 17.0                  | 20.0                           |
|                           | 157     | 5785      | 20.0                      | 20.0                      | 17.0                  | 17.0                  | 20.0                           |
|                           | 161     | 5805      | 20.0                      | 20.0                      | 17.0                  | 17.0                  | 20.0                           |
|                           | 165     | 5825      | 20.0                      | 20.0                      | 17.0                  | 17.0                  | 20.0                           |
| 802.11n HT20              | 149     | 5745      | 18.5                      | 18.5                      | 15.5                  | 15.5                  | 18.5                           |
|                           | 153     | 5765      | 18.5                      | 18.5                      | 15.5                  | 15.5                  | 18.5                           |
|                           | 157     | 5785      | 18.5                      | 18.5                      | 15.5                  | 15.5                  | 18.5                           |
|                           | 161     | 5805      | 18.5                      | 18.5                      | 15.5                  | 15.5                  | 18.5                           |
|                           | 165     | 5825      | 18.5                      | 18.5                      | 15.5                  | 15.5                  | 18.5                           |
| 802.11n HT40              | 151     | 5755      | 17.5                      | 17.5                      | 14.5                  | 14.5                  | 17.5                           |
|                           | 159     | 5795      | 17.5                      | 17.5                      | 14.5                  | 14.5                  | 17.5                           |
| 802.11ac VHT20            | 149     | 5745      | 18.5                      | 18.5                      | 15.5                  | 15.5                  | 18.5                           |
|                           | 153     | 5765      | 18.5                      | 18.5                      | 15.5                  | 15.5                  | 18.5                           |
|                           | 157     | 5785      | 18.5                      | 18.5                      | 15.5                  | 15.5                  | 18.5                           |
|                           | 161     | 5805      | 18.5                      | 18.5                      | 15.5                  | 15.5                  | 18.5                           |
|                           | 165     | 5825      | 18.5                      | 18.5                      | 15.5                  | 15.5                  | 18.5                           |
| 802.11ac VHT40            | 151     | 5755      | 17.5                      | 17.5                      | 14.5                  | 14.5                  | 17.5                           |
|                           | 159     | 5795      | 17.5                      | 17.5                      | 14.5                  | 14.5                  | 17.5                           |
| 802.11ac VHT80            | 155     | 5775      | 17.5                      | 17.5                      | 14.5                  | 14.5                  | 17.5                           |
| 802.11ax HE20             | 149     | 5745      | 18.5                      | 18.5                      | 15.5                  | 15.5                  | 18.5                           |
|                           | 153     | 5765      | 18.5                      | 18.5                      | 15.5                  | 15.5                  | 18.5                           |
|                           | 157     | 5785      | 18.5                      | 18.5                      | 15.5                  | 15.5                  | 18.5                           |
|                           | 161     | 5805      | 18.5                      | 18.5                      | 15.5                  | 15.5                  | 18.5                           |
|                           | 165     | 5825      | 18.5                      | 18.5                      | 15.5                  | 15.5                  | 18.5                           |
| 802.11ax HE40             | 151     | 5755      | 17.5                      | 17.5                      | 14.5                  | 14.5                  | 17.5                           |
|                           | 159     | 5795      | 17.5                      | 17.5                      | 14.5                  | 14.5                  | 17.5                           |
| 802.11ax HE80             | 155     | 5775      | 16.5                      | 16.5                      | 13.5                  | 13.5                  | 16.5                           |

| WLAN Tune-up Power_Tablet |         |           |                           |                           |                       |                       |                                |
|---------------------------|---------|-----------|---------------------------|---------------------------|-----------------------|-----------------------|--------------------------------|
| WLAN 2.4GHz               |         |           |                           |                           |                       |                       |                                |
| Mode                      | Channel | Frequency | SISO Ant 0<br>Max Tune up | SISO Ant 1<br>Max Tune up | MIMO Ant 0<br>Tune up | MIMO Ant 1<br>Tune up | MIMO Ant<br>0+1<br>Max Tune up |
| 802.11b                   | 1       | 2412      | 19.0                      | 19.0                      | 19.0                  | 19.0                  | 22.0                           |
|                           | 6       | 2437      | 19.0                      | 19.0                      | 19.0                  | 19.0                  | 22.0                           |
|                           | 11      | 2462      | 19.0                      | 19.0                      | 19.0                  | 19.0                  | 22.0                           |
|                           | 12      | 2467      | 15.5                      | 15.5                      | 15.5                  | 15.5                  | 18.5                           |
|                           | 13      | 2472      | 9.0                       | 9.0                       | 9.0                   | 9.0                   | 12.0                           |
| 802.11g                   | 1       | 2412      | 17.0                      | 17.0                      | 17.0                  | 17.0                  | 20.0                           |
|                           | 6       | 2437      | 18.5                      | 18.5                      | 18.5                  | 18.5                  | 21.5                           |
|                           | 11      | 2462      | 17.0                      | 17.0                      | 17.0                  | 17.0                  | 20.0                           |
|                           | 12      | 2467      | 12.0                      | 12.0                      | 12.0                  | 12.0                  | 15.0                           |
|                           | 13      | 2472      | 7.0                       | 7.0                       | 7.0                   | 7.0                   | 10.0                           |
| 802.11n HT20              | 1       | 2412      | 16.5                      | 16.5                      | 16.5                  | 16.5                  | 19.5                           |
|                           | 6       | 2437      | 18.0                      | 18.0                      | 18.0                  | 18.0                  | 21.0                           |
|                           | 11      | 2462      | 16.5                      | 16.5                      | 16.5                  | 16.5                  | 19.5                           |
|                           | 12      | 2467      | 10.0                      | 10.0                      | 10.0                  | 10.0                  | 13.0                           |
|                           | 13      | 2472      | 5.5                       | 5.5                       | 5.5                   | 5.5                   | 8.5                            |
| 802.11n HT40              | 3       | 2422      | 15.0                      | 15.0                      | 15.0                  | 15.0                  | 18.0                           |
|                           | 6       | 2437      | 16.0                      | 16.0                      | 16.0                  | 16.0                  | 19.0                           |
|                           | 9       | 2452      | 15.0                      | 15.0                      | 15.0                  | 15.0                  | 18.0                           |
|                           | 10      | 2457      | 8.5                       | 8.5                       | 8.5                   | 8.5                   | 11.5                           |
|                           | 11      | 2462      | 6.5                       | 6.5                       | 6.5                   | 6.5                   | 9.5                            |
| 802.11ac VHT20            | 1       | 2412      | 16.5                      | 16.5                      | 16.5                  | 16.5                  | 19.5                           |
|                           | 6       | 2437      | 18.0                      | 18.0                      | 18.0                  | 18.0                  | 21.0                           |
|                           | 11      | 2462      | 16.5                      | 16.5                      | 16.5                  | 16.5                  | 19.5                           |
|                           | 12      | 2467      | 10.0                      | 10.0                      | 10.0                  | 10.0                  | 13.0                           |
|                           | 13      | 2472      | 5.5                       | 5.5                       | 5.5                   | 5.5                   | 8.5                            |
| 802.11ac VHT40            | 3       | 2422      | 15.0                      | 15.0                      | 15.0                  | 15.0                  | 18.0                           |
|                           | 6       | 2437      | 16.0                      | 16.0                      | 16.0                  | 16.0                  | 19.0                           |
|                           | 9       | 2452      | 15.0                      | 15.0                      | 15.0                  | 15.0                  | 18.0                           |
|                           | 10      | 2457      | 8.5                       | 8.5                       | 8.5                   | 8.5                   | 11.5                           |
|                           | 11      | 2462      | 6.5                       | 6.5                       | 6.5                   | 6.5                   | 9.5                            |
| 802.11ax HE20             | 1       | 2412      | 17.0                      | 17.0                      | 17.0                  | 17.0                  | 20.0                           |
|                           | 6       | 2437      | 18.0                      | 18.0                      | 18.0                  | 18.0                  | 21.0                           |
|                           | 11      | 2462      | 16.5                      | 16.5                      | 16.5                  | 16.5                  | 19.5                           |
|                           | 12      | 2467      | 10.5                      | 10.5                      | 10.5                  | 10.5                  | 13.5                           |
|                           | 13      | 2472      | 6.0                       | 6.0                       | 6.0                   | 6.0                   | 9.0                            |
| 802.11ax HE40             | 3       | 2422      | 15.0                      | 15.0                      | 15.0                  | 15.0                  | 18.0                           |
|                           | 6       | 2437      | 16.0                      | 16.0                      | 16.0                  | 16.0                  | 19.0                           |
|                           | 9       | 2452      | 15.0                      | 15.0                      | 15.0                  | 15.0                  | 18.0                           |
|                           | 10      | 2457      | 8.5                       | 8.5                       | 8.5                   | 8.5                   | 11.5                           |
|                           | 11      | 2462      | 6.5                       | 6.5                       | 6.5                   | 6.5                   | 9.5                            |

| WLAN Tune-up Power_Tablet |         |           |                      |                      |  |
|---------------------------|---------|-----------|----------------------|----------------------|--|
| Bluetooth                 |         |           |                      |                      |  |
| Mode                      | Channel | Frequency | Ant 0<br>Max Tune-up | Ant 1<br>Max Tune-up |  |
| BR / EDR                  | 0       | 2402      |                      | 11.5                 |  |
|                           | 39      | 2441      |                      | 11.5                 |  |
|                           | 78      | 2480      |                      | 11.5                 |  |
| LE                        | 0       | 2402      |                      | 11.5                 |  |
|                           | 19      | 2440      |                      | 11.5                 |  |
|                           | 39      | 2480      |                      | 11.5                 |  |

| WLAN Tune-up Power_Tablet |         |           |                           |                           |                       |                       |                                |
|---------------------------|---------|-----------|---------------------------|---------------------------|-----------------------|-----------------------|--------------------------------|
| WLAN 5.2GHz               |         |           |                           |                           |                       |                       |                                |
| Mode                      | Channel | Frequency | SISO Ant 0<br>Max Tune up | SISO Ant 1<br>Max Tune up | MIMO Ant 0<br>Tune up | MIMO Ant 1<br>Tune up | MIMO Ant<br>0+1<br>Max Tune up |
| 802.11a                   | 36      | 5180      | 15.5                      | 15.5                      | 12.5                  | 12.5                  | 15.5                           |
|                           | 40      | 5200      | 16.5                      | 16.5                      | 13.5                  | 13.5                  | 16.5                           |
|                           | 44      | 5220      | 16.5                      | 16.5                      | 13.5                  | 13.5                  | 16.5                           |
|                           | 48      | 5240      | 16.5                      | 16.5                      | 13.5                  | 13.5                  | 16.5                           |
| 802.11n HT20              | 36      | 5180      | 15.5                      | 15.5                      | 12.5                  | 12.5                  | 15.5                           |
|                           | 40      | 5200      | 16.5                      | 16.5                      | 13.5                  | 13.5                  | 16.5                           |
|                           | 44      | 5220      | 16.5                      | 16.5                      | 13.5                  | 13.5                  | 16.5                           |
|                           | 48      | 5240      | 16.5                      | 16.5                      | 13.5                  | 13.5                  | 16.5                           |
| 802.11n HT40              | 38      | 5190      | 15.0                      | 15.0                      | 12.0                  | 12.0                  | 15.0                           |
|                           | 46      | 5230      | 16.5                      | 16.5                      | 13.5                  | 13.5                  | 16.5                           |
| 802.11ac VHT20            | 36      | 5180      | 15.5                      | 15.5                      | 12.5                  | 12.5                  | 15.5                           |
|                           | 40      | 5200      | 16.5                      | 16.5                      | 13.5                  | 13.5                  | 16.5                           |
|                           | 44      | 5220      | 16.5                      | 16.5                      | 13.5                  | 13.5                  | 16.5                           |
|                           | 48      | 5240      | 16.5                      | 16.5                      | 13.5                  | 13.5                  | 16.5                           |
| 802.11ac VHT40            | 38      | 5190      | 15.0                      | 15.0                      | 12.0                  | 12.0                  | 15.0                           |
|                           | 46      | 5230      | 16.5                      | 16.5                      | 13.5                  | 13.5                  | 16.5                           |
| 802.11ac VHT80            | 42      | 5210      | 14.0                      | 14.0                      | 11.0                  | 11.0                  | 14.0                           |
| 802.11ax HE20             | 36      | 5180      | 16.0                      | 16.0                      | 13.0                  | 13.0                  | 16.0                           |
|                           | 40      | 5200      | 16.5                      | 16.5                      | 13.5                  | 13.5                  | 16.5                           |
|                           | 44      | 5220      | 16.5                      | 16.5                      | 13.5                  | 13.5                  | 16.5                           |
|                           | 48      | 5240      | 16.5                      | 16.5                      | 13.5                  | 13.5                  | 16.5                           |
| 802.11ax HE40             | 38      | 5190      | 15.0                      | 15.0                      | 12.0                  | 12.0                  | 15.0                           |
|                           | 46      | 5230      | 16.5                      | 16.5                      | 13.5                  | 13.5                  | 16.5                           |
| 802.11ax HE80             | 42      | 5210      | 14.0                      | 14.0                      | 11.0                  | 11.0                  | 14.0                           |

| WLAN Tune-up Power_Tablet |         |           |                           |                           |                       |                       |                                |
|---------------------------|---------|-----------|---------------------------|---------------------------|-----------------------|-----------------------|--------------------------------|
| WLAN 5.3GHz               |         |           |                           |                           |                       |                       |                                |
| Mode                      | Channel | Frequency | SISO Ant 0<br>Max Tune up | SISO Ant 1<br>Max Tune up | MIMO Ant 0<br>Tune up | MIMO Ant 1<br>Tune up | MIMO Ant<br>0+1<br>Max Tune up |
| 802.11a                   | 52      | 5260      | 16.5                      | 16.5                      | 13.5                  | 13.5                  | 16.5                           |
|                           | 56      | 5280      | 16.5                      | 16.5                      | 13.5                  | 13.5                  | 16.5                           |
|                           | 60      | 5300      | 16.5                      | 16.5                      | 13.5                  | 13.5                  | 16.5                           |
|                           | 64      | 5320      | 15.5                      | 15.5                      | 12.5                  | 12.5                  | 15.5                           |
| 802.11n HT20              | 52      | 5260      | 16.5                      | 16.5                      | 13.5                  | 13.5                  | 16.5                           |
|                           | 56      | 5280      | 16.5                      | 16.5                      | 13.5                  | 13.5                  | 16.5                           |
|                           | 60      | 5300      | 16.5                      | 16.5                      | 13.5                  | 13.5                  | 16.5                           |
|                           | 64      | 5320      | 15.5                      | 15.5                      | 12.5                  | 12.5                  | 15.5                           |
| 802.11n HT40              | 54      | 5270      | 16.5                      | 16.5                      | 13.5                  | 13.5                  | 16.5                           |
|                           | 62      | 5310      | 15.0                      | 15.0                      | 12.0                  | 12.0                  | 15.0                           |
| 802.11ac VHT20            | 52      | 5260      | 16.5                      | 16.5                      | 13.5                  | 13.5                  | 16.5                           |
|                           | 56      | 5280      | 16.5                      | 16.5                      | 13.5                  | 13.5                  | 16.5                           |
|                           | 60      | 5300      | 16.5                      | 16.5                      | 13.5                  | 13.5                  | 16.5                           |
|                           | 64      | 5320      | 15.5                      | 15.5                      | 12.5                  | 12.5                  | 15.5                           |
| 802.11ac VHT40            | 54      | 5270      | 16.5                      | 16.5                      | 13.5                  | 13.5                  | 16.5                           |
|                           | 62      | 5310      | 15.0                      | 15.0                      | 12.0                  | 12.0                  | 15.0                           |
| 802.11ac VHT80            | 58      | 5290      | 14.0                      | 14.0                      | 11.0                  | 11.0                  | 14.0                           |
| 802.11ax HE20             | 52      | 5260      | 16.5                      | 16.5                      | 13.5                  | 13.5                  | 16.5                           |
|                           | 56      | 5280      | 16.5                      | 16.5                      | 13.5                  | 13.5                  | 16.5                           |
|                           | 60      | 5300      | 16.5                      | 16.5                      | 13.5                  | 13.5                  | 16.5                           |
|                           | 64      | 5320      | 15.5                      | 15.5                      | 12.5                  | 12.5                  | 15.5                           |
| 802.11ax HE40             | 54      | 5270      | 16.5                      | 16.5                      | 13.5                  | 13.5                  | 16.5                           |
|                           | 62      | 5310      | 15.0                      | 15.0                      | 12.0                  | 12.0                  | 15.0                           |
| 802.11ax HE80             | 58      | 5290      | 14.0                      | 14.0                      | 11.0                  | 11.0                  | 14.0                           |

| WLAN Tune-up Power_Tablet |         |           |                           |                           |                       |                       |                                |
|---------------------------|---------|-----------|---------------------------|---------------------------|-----------------------|-----------------------|--------------------------------|
| WLAN 5.6GHz               |         |           |                           |                           |                       |                       |                                |
| Mode                      | Channel | Frequency | SISO Ant 0<br>Max Tune up | SISO Ant 1<br>Max Tune up | MIMO Ant 0<br>Tune up | MIMO Ant 1<br>Tune up | MIMO Ant<br>0+1<br>Max Tune up |
| 802.11a                   | 100     | 5500      | 15.5                      | 15.5                      | 12.5                  | 12.5                  | 15.5                           |
|                           | 116     | 5580      | 15.5                      | 15.5                      | 12.5                  | 12.5                  | 15.5                           |
|                           | 120     | 5600      | 15.5                      | 15.5                      | 12.5                  | 12.5                  | 15.5                           |
|                           | 124     | 5620      | 15.5                      | 15.5                      | 12.5                  | 12.5                  | 15.5                           |
|                           | 132     | 5660      | 15.5                      | 15.5                      | 12.5                  | 12.5                  | 15.5                           |
|                           | 140     | 5700      | 15.5                      | 15.5                      | 12.5                  | 12.5                  | 15.5                           |
|                           | 144     | 5720      | 15.5                      | 15.5                      | 12.5                  | 12.5                  | 15.5                           |
| 802.11n HT20              | 100     | 5500      | 15.5                      | 15.5                      | 12.5                  | 12.5                  | 15.5                           |
|                           | 116     | 5580      | 15.5                      | 15.5                      | 12.5                  | 12.5                  | 15.5                           |
|                           | 120     | 5600      | 15.5                      | 15.5                      | 12.5                  | 12.5                  | 15.5                           |
|                           | 124     | 5620      | 15.5                      | 15.5                      | 12.5                  | 12.5                  | 15.5                           |
|                           | 132     | 5660      | 15.5                      | 15.5                      | 12.5                  | 12.5                  | 15.5                           |
|                           | 140     | 5700      | 15.5                      | 15.5                      | 12.5                  | 12.5                  | 15.5                           |
|                           | 144     | 5720      | 15.5                      | 15.5                      | 12.5                  | 12.5                  | 15.5                           |
| 802.11n HT40              | 102     | 5510      | 15.5                      | 15.5                      | 12.5                  | 12.5                  | 15.5                           |
|                           | 110     | 5550      | 15.5                      | 15.5                      | 12.5                  | 12.5                  | 15.5                           |
|                           | 118     | 5590      | 15.5                      | 15.5                      | 12.5                  | 12.5                  | 15.5                           |
|                           | 126     | 5630      | 15.5                      | 15.5                      | 12.5                  | 12.5                  | 15.5                           |
|                           | 134     | 5670      | 15.5                      | 15.5                      | 12.5                  | 12.5                  | 15.5                           |
|                           | 142     | 5710      | 15.5                      | 15.5                      | 12.5                  | 12.5                  | 15.5                           |
| 802.11ac VHT20            | 100     | 5500      | 15.5                      | 15.5                      | 12.5                  | 12.5                  | 15.5                           |
|                           | 116     | 5580      | 15.5                      | 15.5                      | 12.5                  | 12.5                  | 15.5                           |
|                           | 120     | 5600      | 15.5                      | 15.5                      | 12.5                  | 12.5                  | 15.5                           |
|                           | 124     | 5620      | 15.5                      | 15.5                      | 12.5                  | 12.5                  | 15.5                           |
|                           | 132     | 5660      | 15.5                      | 15.5                      | 12.5                  | 12.5                  | 15.5                           |
|                           | 140     | 5700      | 15.5                      | 15.5                      | 12.5                  | 12.5                  | 15.5                           |
|                           | 144     | 5720      | 15.5                      | 15.5                      | 12.5                  | 12.5                  | 15.5                           |
| 802.11ac VHT40            | 102     | 5510      | 15.5                      | 15.5                      | 12.5                  | 12.5                  | 15.5                           |
|                           | 110     | 5550      | 15.5                      | 15.5                      | 12.5                  | 12.5                  | 15.5                           |
|                           | 118     | 5590      | 15.5                      | 15.5                      | 12.5                  | 12.5                  | 15.5                           |
|                           | 126     | 5630      | 15.5                      | 15.5                      | 12.5                  | 12.5                  | 15.5                           |
|                           | 134     | 5670      | 15.5                      | 15.5                      | 12.5                  | 12.5                  | 15.5                           |
|                           | 142     | 5710      | 15.5                      | 15.5                      | 12.5                  | 12.5                  | 15.5                           |
| 802.11ac VHT80            | 106     | 5530      | 14.5                      | 14.5                      | 11.5                  | 11.5                  | 14.5                           |
|                           | 122     | 5610      | 15.5                      | 15.5                      | 12.5                  | 12.5                  | 15.5                           |
|                           | 138     | 5690      | 15.5                      | 15.5                      | 12.5                  | 12.5                  | 15.5                           |
| 802.11ax HE20             | 100     | 5500      | 15.5                      | 15.5                      | 12.5                  | 12.5                  | 15.5                           |
|                           | 116     | 5580      | 15.5                      | 15.5                      | 12.5                  | 12.5                  | 15.5                           |
|                           | 120     | 5600      | 15.5                      | 15.5                      | 12.5                  | 12.5                  | 15.5                           |
|                           | 124     | 5620      | 15.5                      | 15.5                      | 12.5                  | 12.5                  | 15.5                           |
|                           | 132     | 5660      | 15.5                      | 15.5                      | 12.5                  | 12.5                  | 15.5                           |
|                           | 140     | 5700      | 15.5                      | 15.5                      | 12.5                  | 12.5                  | 15.5                           |
|                           | 144     | 5720      | 15.5                      | 15.5                      | 12.5                  | 12.5                  | 15.5                           |
| 802.11ax HE40             | 102     | 5510      | 15.5                      | 15.5                      | 12.5                  | 12.5                  | 15.5                           |
|                           | 110     | 5550      | 15.5                      | 15.5                      | 12.5                  | 12.5                  | 15.5                           |
|                           | 118     | 5590      | 15.5                      | 15.5                      | 12.5                  | 12.5                  | 15.5                           |
|                           | 126     | 5630      | 15.5                      | 15.5                      | 12.5                  | 12.5                  | 15.5                           |
|                           | 134     | 5670      | 15.5                      | 15.5                      | 12.5                  | 12.5                  | 15.5                           |
|                           | 142     | 5710      | 15.5                      | 15.5                      | 12.5                  | 12.5                  | 15.5                           |
| 802.11ax HE80             | 106     | 5530      | 14.5                      | 14.5                      | 11.5                  | 11.5                  | 14.5                           |
|                           | 122     | 5610      | 15.5                      | 15.5                      | 12.5                  | 12.5                  | 15.5                           |
|                           | 138     | 5690      | 15.5                      | 15.5                      | 12.5                  | 12.5                  | 15.5                           |

| WLAN Tune-up Power_Tablet |         |           |                           |                           |                       |                       |                                |
|---------------------------|---------|-----------|---------------------------|---------------------------|-----------------------|-----------------------|--------------------------------|
| WLAN 5.8GHz               |         |           |                           |                           |                       |                       |                                |
| Mode                      | Channel | Frequency | SISO Ant 0<br>Max Tune up | SISO Ant 1<br>Max Tune up | MIMO Ant 0<br>Tune up | MIMO Ant 1<br>Tune up | MIMO Ant<br>0+1<br>Max Tune up |
| 802.11a                   | 149     | 5745      | 15.5                      | 15.0                      | 12.5                  | 12.5                  | 15.5                           |
|                           | 153     | 5765      | 15.5                      | 15.0                      | 12.5                  | 12.5                  | 15.5                           |
|                           | 157     | 5785      | 15.5                      | 15.0                      | 12.5                  | 12.5                  | 15.5                           |
|                           | 161     | 5805      | 15.5                      | 15.0                      | 12.5                  | 12.5                  | 15.5                           |
|                           | 165     | 5825      | 15.5                      | 15.0                      | 12.5                  | 12.5                  | 15.5                           |
| 802.11n HT20              | 149     | 5745      | 15.5                      | 15.0                      | 12.5                  | 12.5                  | 15.5                           |
|                           | 153     | 5765      | 15.5                      | 15.0                      | 12.5                  | 12.5                  | 15.5                           |
|                           | 157     | 5785      | 15.5                      | 15.0                      | 12.5                  | 12.5                  | 15.5                           |
|                           | 161     | 5805      | 15.5                      | 15.0                      | 12.5                  | 12.5                  | 15.5                           |
|                           | 165     | 5825      | 15.5                      | 15.0                      | 12.5                  | 12.5                  | 15.5                           |
| 802.11n HT40              | 151     | 5755      | 15.5                      | 15.0                      | 12.5                  | 12.5                  | 15.5                           |
|                           | 159     | 5795      | 15.5                      | 15.0                      | 12.5                  | 12.5                  | 15.5                           |
| 802.11ac VHT20            | 149     | 5745      | 15.5                      | 15.0                      | 12.5                  | 12.5                  | 15.5                           |
|                           | 153     | 5765      | 15.5                      | 15.0                      | 12.5                  | 12.5                  | 15.5                           |
|                           | 157     | 5785      | 15.5                      | 15.0                      | 12.5                  | 12.5                  | 15.5                           |
|                           | 161     | 5805      | 15.5                      | 15.0                      | 12.5                  | 12.5                  | 15.5                           |
|                           | 165     | 5825      | 15.5                      | 15.0                      | 12.5                  | 12.5                  | 15.5                           |
| 802.11ac VHT40            | 151     | 5755      | 15.5                      | 15.0                      | 12.5                  | 12.5                  | 15.5                           |
|                           | 159     | 5795      | 15.5                      | 15.0                      | 12.5                  | 12.5                  | 15.5                           |
| 802.11ac VHT80            | 155     | 5775      | 15.5                      | 15.0                      | 12.5                  | 12.5                  | 15.5                           |
| 802.11ax HE20             | 149     | 5745      | 15.5                      | 15.0                      | 12.5                  | 12.5                  | 15.5                           |
|                           | 153     | 5765      | 15.5                      | 15.0                      | 12.5                  | 12.5                  | 15.5                           |
|                           | 157     | 5785      | 15.5                      | 15.0                      | 12.5                  | 12.5                  | 15.5                           |
|                           | 161     | 5805      | 15.5                      | 15.0                      | 12.5                  | 12.5                  | 15.5                           |
|                           | 165     | 5825      | 15.5                      | 15.0                      | 12.5                  | 12.5                  | 15.5                           |
| 802.11ax HE40             | 151     | 5755      | 15.5                      | 15.0                      | 12.5                  | 12.5                  | 15.5                           |
|                           | 159     | 5795      | 15.5                      | 15.0                      | 12.5                  | 12.5                  | 15.5                           |
| 802.11ax HE80             | 155     | 5775      | 15.5                      | 15.0                      | 12.5                  | 12.5                  | 15.5                           |

## **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<br>Avg. Power |
| 802.11b                       | 1       | 2412      | 18.73                    |
|                               | 6       | 2437      | 18.97                    |
|                               | 11      | 2462      | 18.94                    |
|                               | 12      | 2467      | 15.12                    |
|                               | 13      | 2472      | 8.81                     |
| 802.11g                       | 1       | 2412      | 16.66                    |
|                               | 6       | 2437      | 18.4                     |
|                               | 11      | 2462      | 15.36                    |
|                               | 12      | 2467      | 11.23                    |
|                               | 13      | 2472      | 6.93                     |
| 802.11n HT20                  | 1       | 2412      | 16.41                    |
|                               | 6       | 2437      | 17.45                    |
|                               | 11      | 2462      | 16.12                    |
|                               | 12      | 2467      | 9.23                     |
|                               | 13      | 2472      | 5.12                     |
| 802.11n HT40                  | 3       | 2422      | 14.32                    |
|                               | 6       | 2437      | 15.33                    |
|                               | 9       | 2452      | 14.12                    |
|                               | 10      | 2457      | 8.2                      |
|                               | 11      | 2462      | 6.23                     |
| 802.11ac VHT20                | 1       | 2412      | 16.26                    |
|                               | 6       | 2437      | 17.89                    |
|                               | 11      | 2462      | 16.24                    |
|                               | 12      | 2467      | 9.78                     |
|                               | 13      | 2472      | 5.38                     |
| 802.11ac VHT40                | 3       | 2422      | 14.81                    |
|                               | 6       | 2437      | 15.84                    |
|                               | 9       | 2452      | 14.88                    |
|                               | 10      | 2457      | 8.37                     |
|                               | 11      | 2462      | 6.2                      |
| 802.11ax HE20                 | 1       | 2412      | 16.56                    |
|                               | 6       | 2437      | 17.78                    |
|                               | 11      | 2462      | 16.4                     |
|                               | 12      | 2467      | 10.08                    |
|                               | 13      | 2472      | 5.74                     |
| 802.11ax HE40                 | 3       | 2422      | 14.11                    |
|                               | 6       | 2437      | 15.32                    |
|                               | 9       | 2452      | 14.22                    |
|                               | 10      | 2457      | 8.07                     |
|                               | 11      | 2462      | 6.07                     |

| WLAN Conducted Power (Laptop) |         |           |                          |
|-------------------------------|---------|-----------|--------------------------|
| WLAN2.4GHz Ant 1              |         |           |                          |
| Mode                          | Channel | Frequency | SISO Ant 1<br>Avg. Power |
| 802.11b                       | 1       | 2412      | 18.71                    |
|                               | 6       | 2437      | 18.96                    |
|                               | 11      | 2462      | 18.78                    |
|                               | 12      | 2467      | 15.34                    |
|                               | 13      | 2472      | 8.71                     |
| 802.11g                       | 1       | 2412      | 16.57                    |
|                               | 6       | 2437      | 18.31                    |
|                               | 11      | 2462      | 15.29                    |
|                               | 12      | 2467      | 11.15                    |
|                               | 13      | 2472      | 6.88                     |
| 802.11n HT20                  | 1       | 2412      | 16.41                    |
|                               | 6       | 2437      | 17.37                    |
|                               | 11      | 2462      | 16.11                    |
|                               | 12      | 2467      | 9.16                     |
|                               | 13      | 2472      | 5.03                     |
| 802.11n HT40                  | 3       | 2422      | 14.27                    |
|                               | 6       | 2437      | 15.31                    |
|                               | 9       | 2452      | 14.04                    |
|                               | 10      | 2457      | 8.14                     |
|                               | 11      | 2462      | 6.23                     |
| 802.11ac VHT20                | 1       | 2412      | 16.37                    |
|                               | 6       | 2437      | 17.82                    |
|                               | 11      | 2462      | 16.38                    |
|                               | 12      | 2467      | 9.71                     |
|                               | 13      | 2472      | 5.28                     |
| 802.11ac VHT40                | 3       | 2422      | 14.75                    |
|                               | 6       | 2437      | 15.81                    |
|                               | 9       | 2452      | 14.85                    |
|                               | 10      | 2457      | 8.22                     |
|                               | 11      | 2462      | 6.2                      |
| 802.11ax HE20                 | 1       | 2412      | 16.47                    |
|                               | 6       | 2437      | 17.71                    |
|                               | 11      | 2462      | 16.36                    |
|                               | 12      | 2467      | 9.99                     |
|                               | 13      | 2472      | 5.7                      |
| 802.11ax HE40                 | 3       | 2422      | 14.05                    |
|                               | 6       | 2437      | 15.28                    |
|                               | 9       | 2452      | 14.15                    |
|                               | 10      | 2457      | 7.99                     |
|                               | 11      | 2462      | 6.05                     |

| WLAN Conducted Power (Laptop) |         |           |                          |                          |                               |
|-------------------------------|---------|-----------|--------------------------|--------------------------|-------------------------------|
| WLAN2.4GHz Ant 0+1            |         |           |                          |                          |                               |
| Mode                          | Channel | Frequency | MIMO Ant 0<br>Avg. Power | MIMO Ant 1<br>Avg. Power | MIMO Ant<br>0+1<br>Avg. Power |
| 802.11b                       | 1       | 2412      | 18.9                     | 18.96                    | 21.94                         |
|                               | 6       | 2437      | 18.92                    | 18.99                    | 21.97                         |
|                               | 11      | 2462      | 18.77                    | 18.33                    | 21.57                         |
|                               | 12      | 2467      | 15.44                    | 15.13                    | 18.30                         |
|                               | 13      | 2472      | 8.98                     | 8.65                     | 11.83                         |
| 802.11g                       | 1       | 2412      | 16.6                     | 16.58                    | 19.60                         |
|                               | 6       | 2437      | 18.4                     | 18.33                    | 21.38                         |
|                               | 11      | 2462      | 15.33                    | 15.33                    | 18.34                         |
|                               | 12      | 2467      | 11.13                    | 11.13                    | 14.14                         |
|                               | 13      | 2472      | 6.86                     | 6.83                     | 9.86                          |
| 802.11n HT20                  | 1       | 2412      | 16.34                    | 16.33                    | 19.35                         |
|                               | 6       | 2437      | 17.43                    | 17.43                    | 20.44                         |
|                               | 11      | 2462      | 16.04                    | 16.08                    | 19.07                         |
|                               | 12      | 2467      | 9.21                     | 9.16                     | 12.20                         |
|                               | 13      | 2472      | 5.1                      | 5.07                     | 8.10                          |
| 802.11n HT40                  | 3       | 2422      | 14.24                    | 14.23                    | 17.25                         |
|                               | 6       | 2437      | 15.26                    | 15.23                    | 18.26                         |
|                               | 9       | 2452      | 14.02                    | 14.07                    | 17.06                         |
|                               | 10      | 2457      | 8.16                     | 8.16                     | 11.17                         |
|                               | 11      | 2462      | 6.14                     | 6.19                     | 9.18                          |
| 802.11ac VHT20                | 1       | 2412      | 16.35                    | 16.39                    | 19.38                         |
|                               | 6       | 2437      | 17.85                    | 17.79                    | 20.83                         |
|                               | 11      | 2462      | 16.32                    | 16.36                    | 19.35                         |
|                               | 12      | 2467      | 9.83                     | 9.78                     | 12.82                         |
|                               | 13      | 2472      | 5.32                     | 5.39                     | 8.37                          |
| 802.11ac VHT40                | 3       | 2422      | 14.9                     | 14.84                    | 17.88                         |
|                               | 6       | 2437      | 15.75                    | 15.84                    | 18.81                         |
|                               | 9       | 2452      | 14.79                    | 14.72                    | 17.77                         |
|                               | 10      | 2457      | 8.36                     | 8.33                     | 11.36                         |
|                               | 11      | 2462      | 6.26                     | 6.35                     | 9.32                          |
| 802.11ax HE20                 | 1       | 2412      | 16.54                    | 16.55                    | 19.56                         |
|                               | 6       | 2437      | 17.68                    | 17.7                     | 20.70                         |
|                               | 11      | 2462      | 16.38                    | 16.32                    | 19.36                         |
|                               | 12      | 2467      | 10.04                    | 10                       | 13.03                         |
|                               | 13      | 2472      | 5.68                     | 5.73                     | 8.72                          |
| 802.11ax HE40                 | 3       | 2422      | 14.05                    | 14.09                    | 17.08                         |
|                               | 6       | 2437      | 15.32                    | 15.31                    | 18.33                         |
|                               | 9       | 2452      | 14.17                    | 14.13                    | 17.16                         |
|                               | 10      | 2457      | 8.05                     | 8.01                     | 11.04                         |
|                               | 11      | 2462      | 5.97                     | 6.02                     | 9.01                          |

| WLAN Conducted Power (Laptop) |         |           |                          |
|-------------------------------|---------|-----------|--------------------------|
| Bluetooth Ant 1               |         |           |                          |
| Mode                          | Channel | Frequency | SISO Ant 1<br>Avg. Power |
| BR / EDR                      | 0       | 2402      | 10.1                     |
|                               | 39      | 2441      | 9.85                     |
|                               | 78      | 2480      | 9.73                     |
| LE                            | 0       | 2402      | 9.66                     |
|                               | 19      | 2440      | 9.52                     |
|                               | 39      | 2480      | 9.51                     |

| WLAN Conducted Power (Full) |         |           |                          |
|-----------------------------|---------|-----------|--------------------------|
| WLAN 5.3GHz Ant 0           |         |           |                          |
| Mode                        | Channel | Frequency | SISO Ant 0<br>Avg. Power |
| 802.11a                     | 52      | 5260      | 17.42                    |
|                             | 56      | 5280      | 17.39                    |
|                             | 60      | 5300      | 17.23                    |
|                             | 64      | 5320      | 15.11                    |
| 802.11n HT20                | 52      | 5260      | 17.27                    |
|                             | 56      | 5280      | 16.63                    |
|                             | 60      | 5300      | 17.24                    |
|                             | 64      | 5320      | 15.08                    |
| 802.11n HT40                | 54      | 5270      | 17.03                    |
|                             | 62      | 5310      | 14.33                    |
| 802.11ac VHT20              | 52      | 5260      | 17.22                    |
|                             | 56      | 5280      | 16.75                    |
|                             | 60      | 5300      | 17.39                    |
|                             | 64      | 5320      | 15.26                    |
| 802.11ac VHT40              | 54      | 5270      | 17.24                    |
|                             | 62      | 5310      | 14.8                     |
| 802.11ac VHT80              | 58      | 5290      | 13.2                     |
| 802.11ax HE20               | 52      | 5260      | 17.08                    |
|                             | 56      | 5280      | 16.66                    |
|                             | 60      | 5300      | 16.54                    |
|                             | 64      | 5320      | 15.12                    |
| 802.11ax HE40               | 54      | 5270      | 17.07                    |
|                             | 62      | 5310      | 14.82                    |
| 802.11ax HE80               | 58      | 5290      | 13.24                    |

| WLAN Conducted Power (Full) |         |           |                          |
|-----------------------------|---------|-----------|--------------------------|
| WLAN 5.3GHz Ant 1           |         |           |                          |
| Mode                        | Channel | Frequency | SISO Ant 1<br>Avg. Power |
| 802.11a                     | 52      | 5260      | 17.41                    |
|                             | 56      | 5280      | 17.15                    |
|                             | 60      | 5300      | 17.11                    |
|                             | 64      | 5320      | 15.49                    |
| 802.11n HT20                | 52      | 5260      | 17.07                    |
|                             | 56      | 5280      | 16.42                    |
|                             | 60      | 5300      | 17.07                    |
|                             | 64      | 5320      | 14.95                    |
| 802.11n HT40                | 54      | 5270      | 16.98                    |
|                             | 62      | 5310      | 14.12                    |
| 802.11ac VHT20              | 52      | 5260      | 17.25                    |
|                             | 56      | 5280      | 16.89                    |
|                             | 60      | 5300      | 17.26                    |
|                             | 64      | 5320      | 15.25                    |
| 802.11ac VHT40              | 54      | 5270      | 17.22                    |
|                             | 62      | 5310      | 14.82                    |
| 802.11ac VHT80              | 58      | 5290      | 13.05                    |
| 802.11ax HE20               | 52      | 5260      | 17.06                    |
|                             | 56      | 5280      | 16.53                    |
|                             | 60      | 5300      | 16.41                    |
|                             | 64      | 5320      | 15                       |
| 802.11ax HE40               | 54      | 5270      | 16.93                    |
|                             | 62      | 5310      | 14.63                    |
| 802.11ax HE80               | 58      | 5290      | 13.12                    |

| WLAN Conducted Power (Laptop) |         |           |                          |                          |                               |
|-------------------------------|---------|-----------|--------------------------|--------------------------|-------------------------------|
| WLAN 5.3GHz Ant 0+1           |         |           |                          |                          |                               |
| Mode                          | Channel | Frequency | MIMO Ant 0<br>Avg. Power | MIMO Ant 1<br>Avg. Power | MIMO Ant<br>0+1<br>Avg. Power |
| 802.11a                       | 52      | 5260      | 13.77                    | 14.4                     | 17.11                         |
|                               | 56      | 5280      | 13.39                    | 14.37                    | 16.92                         |
|                               | 60      | 5300      | 13.96                    | 13.43                    | 16.71                         |
|                               | 64      | 5320      | 11.48                    | 12.49                    | 15.02                         |
| 802.11n HT20                  | 52      | 5260      | 14                       | 14.01                    | 17.02                         |
|                               | 56      | 5280      | 14.21                    | 13.88                    | 17.06                         |
|                               | 60      | 5300      | 14.04                    | 14.08                    | 17.07                         |
|                               | 64      | 5320      | 11.92                    | 11.96                    | 14.95                         |
| 802.11n HT40                  | 54      | 5270      | 13.89                    | 13.9                     | 16.91                         |
|                               | 62      | 5310      | 11.15                    | 11.09                    | 14.13                         |
| 802.11ac VHT20                | 52      | 5260      | 14.01                    | 13.79                    | 16.91                         |
|                               | 56      | 5280      | 13.83                    | 13.76                    | 16.81                         |
|                               | 60      | 5300      | 14.1                     | 13.96                    | 17.04                         |
|                               | 64      | 5320      | 12.37                    | 12.24                    | 15.32                         |
| 802.11ac VHT40                | 54      | 5270      | 13.88                    | 14.12                    | 17.01                         |
|                               | 62      | 5310      | 11.81                    | 11.71                    | 14.77                         |
| 802.11ac VHT80                | 58      | 5290      | 10.19                    | 10.18                    | 13.2                          |
| 802.11ax HE20                 | 52      | 5260      | 13.89                    | 13.94                    | 16.93                         |
|                               | 56      | 5280      | 13.56                    | 13.5                     | 16.54                         |
|                               | 60      | 5300      | 14.01                    | 14.11                    | 17.07                         |
|                               | 64      | 5320      | 12.08                    | 11.97                    | 15.04                         |
| 802.11ax HE40                 | 54      | 5270      | 14.03                    | 13.93                    | 16.99                         |
|                               | 62      | 5310      | 11.68                    | 11.65                    | 14.68                         |
| 802.11ax HE80                 | 58      | 5290      | 10.07                    | 10.1                     | 13.1                          |

| WLAN Conducted Power (Laptop) |         |           |                          |
|-------------------------------|---------|-----------|--------------------------|
| WLAN 5.6GHz Ant 0             |         |           |                          |
| Mode                          | Channel | Frequency | SISO Ant 0<br>Avg. Power |
| 802.11a                       | 100     | 5500      | 16.49                    |
|                               | 116     | 5580      | 18.49                    |
|                               | 120     | 5600      | 18.47                    |
|                               | 124     | 5620      | 17.99                    |
|                               | 132     | 5660      | 17.89                    |
|                               | 140     | 5700      | 17.36                    |
|                               | 144     | 5720      | 18.02                    |
| 802.11n HT20                  | 100     | 5500      | 16.21                    |
|                               | 116     | 5580      | 18.11                    |
|                               | 120     | 5600      | 18.09                    |
|                               | 124     | 5620      | 18.21                    |
|                               | 132     | 5660      | 18.08                    |
|                               | 140     | 5700      | 16.59                    |
|                               | 144     | 5720      | 18.07                    |
| 802.11n HT40                  | 102     | 5510      | 16.41                    |
|                               | 110     | 5550      | 16.82                    |
|                               | 118     | 5590      | 16.8                     |
|                               | 126     | 5630      | 16.69                    |
|                               | 134     | 5670      | 16.77                    |
|                               | 142     | 5710      | 16.53                    |
| 802.11ac VHT20                | 100     | 5500      | 16.01                    |
|                               | 116     | 5580      | 18.18                    |
|                               | 120     | 5600      | 18.09                    |
|                               | 124     | 5620      | 18.22                    |
|                               | 132     | 5660      | 18.29                    |
|                               | 140     | 5700      | 16.65                    |
|                               | 144     | 5720      | 18.28                    |
| 802.11ac VHT40                | 102     | 5510      | 16.22                    |
|                               | 110     | 5550      | 16.64                    |
|                               | 118     | 5590      | 16.51                    |
|                               | 126     | 5630      | 16.61                    |
|                               | 134     | 5670      | 16.75                    |
|                               | 142     | 5710      | 16.65                    |
| 802.11ac VHT80                | 106     | 5530      | 14.22                    |
|                               | 122     | 5610      | 16.12                    |
|                               | 138     | 5690      | 16.07                    |
| 802.11ax HE20                 | 100     | 5500      | 16.12                    |
|                               | 116     | 5580      | 18.04                    |
|                               | 120     | 5600      | 18.11                    |
|                               | 124     | 5620      | 18.2                     |
|                               | 132     | 5660      | 17.99                    |
|                               | 140     | 5700      | 17.09                    |
|                               | 144     | 5720      | 18.17                    |
| 802.11ax HE40                 | 102     | 5510      | 16.2                     |
|                               | 110     | 5550      | 17.4                     |
|                               | 118     | 5590      | 17.19                    |
|                               | 126     | 5630      | 17.09                    |
|                               | 134     | 5670      | 16.59                    |
|                               | 142     | 5710      | 17                       |
| 802.11ax HE80                 | 106     | 5530      | 14.21                    |
|                               | 122     | 5610      | 16.17                    |
|                               | 138     | 5690      | 16.08                    |

| WLAN Conducted Power (Laptop) |         |           |                          |
|-------------------------------|---------|-----------|--------------------------|
| WLAN 5.6GHz Ant 1             |         |           |                          |
| Mode                          | Channel | Frequency | SISO Ant 1<br>Avg. Power |
| 802.11a                       | 100     | 5500      | 16.38                    |
|                               | 116     | 5580      | 18.49                    |
|                               | 120     | 5600      | 18.22                    |
|                               | 124     | 5620      | 18.28                    |
|                               | 132     | 5660      | 18.31                    |
|                               | 140     | 5700      | 17.18                    |
|                               | 144     | 5720      | 18.47                    |
| 802.11n HT20                  | 100     | 5500      | 16.2                     |
|                               | 116     | 5580      | 17.9                     |
|                               | 120     | 5600      | 17.91                    |
|                               | 124     | 5620      | 18.15                    |
|                               | 132     | 5660      | 17.97                    |
|                               | 140     | 5700      | 16.53                    |
|                               | 144     | 5720      | 17.99                    |
| 802.11n HT40                  | 102     | 5510      | 16.31                    |
|                               | 110     | 5550      | 16.67                    |
|                               | 118     | 5590      | 16.68                    |
|                               | 126     | 5630      | 16.6                     |
|                               | 134     | 5670      | 16.66                    |
|                               | 142     | 5710      | 16.52                    |
| 802.11ac VHT20                | 100     | 5500      | 16.23                    |
|                               | 116     | 5580      | 18.02                    |
|                               | 120     | 5600      | 18.2                     |
|                               | 124     | 5620      | 18.22                    |
|                               | 132     | 5660      | 18.19                    |
|                               | 140     | 5700      | 16.61                    |
|                               | 144     | 5720      | 18.3                     |
| 802.11ac VHT40                | 102     | 5510      | 16.1                     |
|                               | 110     | 5550      | 16.54                    |
|                               | 118     | 5590      | 16.72                    |
|                               | 126     | 5630      | 16.74                    |
|                               | 134     | 5670      | 16.56                    |
|                               | 142     | 5710      | 16.57                    |
| 802.11ac VHT80                | 106     | 5530      | 14.06                    |
|                               | 122     | 5610      | 15.94                    |
|                               | 138     | 5690      | 15.97                    |
| 802.11ax HE20                 | 100     | 5500      | 16.1                     |
|                               | 116     | 5580      | 17.97                    |
|                               | 120     | 5600      | 18.04                    |
|                               | 124     | 5620      | 18.12                    |
|                               | 132     | 5660      | 17.79                    |
|                               | 140     | 5700      | 16.94                    |
|                               | 144     | 5720      | 18.12                    |
| 802.11ax HE40                 | 102     | 5510      | 16.11                    |
|                               | 110     | 5550      | 17.23                    |
|                               | 118     | 5590      | 17.1                     |
|                               | 126     | 5630      | 17.03                    |
|                               | 134     | 5670      | 16.44                    |
|                               | 142     | 5710      | 16.95                    |
| 802.11ax HE80                 | 106     | 5530      | 14.13                    |
|                               | 122     | 5610      | 16.11                    |
|                               | 138     | 5690      | 15.99                    |

| WLAN Conducted Power (Laptop) |         |           |                          |                          |                               |
|-------------------------------|---------|-----------|--------------------------|--------------------------|-------------------------------|
| WLAN 5.6GHz Ant 0+1           |         |           |                          |                          |                               |
| Mode                          | Channel | Frequency | MIMO Ant 0<br>Avg. Power | MIMO Ant 1<br>Avg. Power | MIMO Ant<br>0+1<br>Avg. Power |
| 802.11a                       | 100     | 5500      | 13.13                    | 13.44                    | 16.3                          |
|                               | 116     | 5580      | 15.22                    | 15.48                    | 18.36                         |
|                               | 120     | 5600      | 15                       | 15.4                     | 18.21                         |
|                               | 124     | 5620      | 14.66                    | 15.35                    | 18.03                         |
|                               | 132     | 5660      | 15.28                    | 15.28                    | 18.29                         |
|                               | 140     | 5700      | 14.45                    | 13.7                     | 17.1                          |
|                               | 144     | 5720      | 15.3                     | 14.67                    | 18.01                         |
| 802.11n HT20                  | 100     | 5500      | 13.05                    | 13.15                    | 16.11                         |
|                               | 116     | 5580      | 14.93                    | 15.02                    | 17.99                         |
|                               | 120     | 5600      | 14.85                    | 15.02                    | 17.95                         |
|                               | 124     | 5620      | 15.07                    | 15.13                    | 18.11                         |
|                               | 132     | 5660      | 14.99                    | 15.06                    | 18.04                         |
|                               | 140     | 5700      | 13.51                    | 13.39                    | 16.46                         |
|                               | 144     | 5720      | 14.93                    | 15.02                    | 17.99                         |
| 802.11n HT40                  | 102     | 5510      | 13.29                    | 13.27                    | 16.29                         |
|                               | 110     | 5550      | 13.72                    | 13.69                    | 16.72                         |
|                               | 118     | 5590      | 13.68                    | 13.68                    | 16.69                         |
|                               | 126     | 5630      | 13.49                    | 13.56                    | 16.54                         |
|                               | 134     | 5670      | 13.65                    | 13.68                    | 16.68                         |
|                               | 142     | 5710      | 13.36                    | 13.31                    | 16.35                         |
| 802.11ac VHT20                | 100     | 5500      | 13.38                    | 13.47                    | 16.44                         |
|                               | 116     | 5580      | 15.32                    | 15.36                    | 18.35                         |
|                               | 120     | 5600      | 15.22                    | 15.44                    | 18.34                         |
|                               | 124     | 5620      | 14.57                    | 14.46                    | 17.53                         |
|                               | 132     | 5660      | 14.67                    | 14.66                    | 17.68                         |
|                               | 140     | 5700      | 12.94                    | 13.01                    | 15.99                         |
|                               | 144     | 5720      | 14.64                    | 14.57                    | 17.62                         |
| 802.11ac VHT40                | 102     | 5510      | 13.08                    | 13.02                    | 16.06                         |
|                               | 110     | 5550      | 13.67                    | 13.76                    | 16.73                         |
|                               | 118     | 5590      | 13.72                    | 13.55                    | 16.65                         |
|                               | 126     | 5630      | 13.51                    | 13.74                    | 16.64                         |
|                               | 134     | 5670      | 13.6                     | 13.73                    | 16.68                         |
|                               | 142     | 5710      | 13.62                    | 13.5                     | 16.57                         |
| 802.11ac VHT80                | 106     | 5530      | 11.06                    | 11.16                    | 14.12                         |
|                               | 122     | 5610      | 13.08                    | 12.92                    | 16.01                         |
|                               | 138     | 5690      | 12.86                    | 12.87                    | 15.88                         |
| 802.11ax HE20                 | 100     | 5500      | 13.09                    | 12.98                    | 16.05                         |
|                               | 116     | 5580      | 14.99                    | 14.95                    | 17.98                         |
|                               | 120     | 5600      | 14.98                    | 14.95                    | 17.98                         |
|                               | 124     | 5620      | 15.12                    | 15.14                    | 18.14                         |
|                               | 132     | 5660      | 14.93                    | 14.86                    | 17.91                         |
|                               | 140     | 5700      | 13.91                    | 14.08                    | 17.01                         |
|                               | 144     | 5720      | 15.01                    | 15.1                     | 18.07                         |
| 802.11ax HE40                 | 102     | 5510      | 13.09                    | 13.19                    | 16.15                         |
|                               | 110     | 5550      | 14.35                    | 14.34                    | 17.36                         |
|                               | 118     | 5590      | 14.11                    | 14.12                    | 17.13                         |
|                               | 126     | 5630      | 14.01                    | 14.04                    | 17.04                         |
|                               | 134     | 5670      | 13.55                    | 13.42                    | 16.5                          |
|                               | 142     | 5710      | 13.95                    | 13.94                    | 16.96                         |
| 802.11ax HE80                 | 106     | 5530      | 11.13                    | 11.18                    | 14.17                         |
|                               | 122     | 5610      | 13.12                    | 13.1                     | 16.12                         |
|                               | 138     | 5690      | 12.98                    | 12.98                    | 15.99                         |

| WLAN Conducted Power (Laptop) |         |           |                          |
|-------------------------------|---------|-----------|--------------------------|
| WLAN 5.8GHz Ant 0             |         |           |                          |
| Mode                          | Channel | Frequency | SISO Ant 0<br>Avg. Power |
| 802.11a                       | 149     | 5745      | 19.58                    |
|                               | 153     | 5765      | 19.92                    |
|                               | 157     | 5785      | 19.65                    |
|                               | 161     | 5805      | 19.77                    |
|                               | 165     | 5825      | 19.73                    |
| 802.11n HT20                  | 149     | 5745      | 18.4                     |
|                               | 153     | 5765      | 18.12                    |
|                               | 157     | 5785      | 18.21                    |
|                               | 161     | 5805      | 18.23                    |
|                               | 165     | 5825      | 18.04                    |
| 802.11n HT40                  | 151     | 5755      | 17.16                    |
|                               | 159     | 5795      | 17.19                    |
| 802.11ac VHT20                | 149     | 5745      | 18.21                    |
|                               | 153     | 5765      | 18.23                    |
|                               | 157     | 5785      | 18.15                    |
|                               | 161     | 5805      | 18.01                    |
|                               | 165     | 5825      | 18.12                    |
| 802.11ac VHT40                | 151     | 5755      | 17.31                    |
|                               | 159     | 5795      | 17.26                    |
| 802.11ac VHT80                | 155     | 5775      | 17.3                     |
| 802.11ax HE20                 | 149     | 5745      | 17.98                    |
|                               | 153     | 5765      | 17.69                    |
|                               | 157     | 5785      | 18.2                     |
|                               | 161     | 5805      | 18.1                     |
|                               | 165     | 5825      | 18.07                    |
| 802.11ax HE40                 | 151     | 5755      | 17                       |
|                               | 159     | 5795      | 16.82                    |
| 802.11ax HE80                 | 155     | 5775      | 15.89                    |

| WLAN Conducted Power (Laptop) |         |           |                          |
|-------------------------------|---------|-----------|--------------------------|
| WLAN 5.8GHz Ant 1             |         |           |                          |
| Mode                          | Channel | Frequency | SISO Ant 1<br>Avg. Power |
| 802.11a                       | 149     | 5745      | 19.62                    |
|                               | 153     | 5765      | 19.99                    |
|                               | 157     | 5785      | 19.79                    |
|                               | 161     | 5805      | 19.87                    |
|                               | 165     | 5825      | 19.68                    |
| 802.11n HT20                  | 149     | 5745      | 18.18                    |
|                               | 153     | 5765      | 17.92                    |
|                               | 157     | 5785      | 18.1                     |
|                               | 161     | 5805      | 18.12                    |
|                               | 165     | 5825      | 17.94                    |
| 802.11n HT40                  | 151     | 5755      | 17.24                    |
|                               | 159     | 5795      | 17.26                    |
| 802.11ac VHT20                | 149     | 5745      | 18.16                    |
|                               | 153     | 5765      | 18.19                    |
|                               | 157     | 5785      | 18.23                    |
|                               | 161     | 5805      | 18.02                    |
|                               | 165     | 5825      | 18.17                    |
| 802.11ac VHT40                | 151     | 5755      | 17.32                    |
|                               | 159     | 5795      | 17.27                    |
| 802.11ac VHT80                | 155     | 5775      | 17.15                    |
| 802.11ax HE20                 | 149     | 5745      | 17.77                    |
|                               | 153     | 5765      | 17.61                    |
|                               | 157     | 5785      | 18.13                    |
|                               | 161     | 5805      | 17.88                    |
|                               | 165     | 5825      | 17.86                    |
| 802.11ax HE40                 | 151     | 5755      | 16.81                    |
|                               | 159     | 5795      | 16.77                    |
| 802.11ax HE80                 | 155     | 5775      | 15.79                    |

| WLAN Conducted Power (Laptop) |         |           |                          |                          |                               |
|-------------------------------|---------|-----------|--------------------------|--------------------------|-------------------------------|
| WLAN 5.8GHz Ant 0+1           |         |           |                          |                          |                               |
| Mode                          | Channel | Frequency | MIMO Ant 0<br>Avg. Power | MIMO Ant 1<br>Avg. Power | MIMO Ant<br>0+1<br>Avg. Power |
| 802.11a                       | 149     | 5745      | 16.85                    | 16.71                    | 19.79                         |
|                               | 153     | 5765      | 16.99                    | 16.96                    | 19.99                         |
|                               | 157     | 5785      | 16.91                    | 16.73                    | 19.83                         |
|                               | 161     | 5805      | 16.67                    | 16.94                    | 19.82                         |
|                               | 165     | 5825      | 16.31                    | 16.9                     | 19.63                         |
| 802.11n HT20                  | 149     | 5745      | 15.32                    | 15.3                     | 18.32                         |
|                               | 153     | 5765      | 14.96                    | 15.04                    | 18.01                         |
|                               | 157     | 5785      | 15.12                    | 15.13                    | 18.14                         |
|                               | 161     | 5805      | 15.11                    | 15.17                    | 18.15                         |
|                               | 165     | 5825      | 14.83                    | 14.93                    | 17.89                         |
| 802.11n HT40                  | 151     | 5755      | 13.96                    | 13.97                    | 16.98                         |
|                               | 159     | 5795      | 13.96                    | 13.95                    | 16.97                         |
| 802.11ac VHT20                | 149     | 5745      | 15.31                    | 15.19                    | 18.26                         |
|                               | 153     | 5765      | 15.2                     | 15.2                     | 18.21                         |
|                               | 157     | 5785      | 15.26                    | 15.11                    | 18.2                          |
|                               | 161     | 5805      | 15.23                    | 15.25                    | 18.25                         |
|                               | 165     | 5825      | 15.21                    | 15.16                    | 18.2                          |
| 802.11ac VHT40                | 151     | 5755      | 14.23                    | 14.13                    | 17.19                         |
|                               | 159     | 5795      | 14.23                    | 14.15                    | 17.2                          |
| 802.11ac VHT80                | 155     | 5775      | 14.13                    | 14.12                    | 17.14                         |
| 802.11ax HE20                 | 149     | 5745      | 14.77                    | 14.82                    | 17.81                         |
|                               | 153     | 5765      | 14.57                    | 14.52                    | 17.56                         |
|                               | 157     | 5785      | 15.03                    | 15.05                    | 18.05                         |
|                               | 161     | 5805      | 14.96                    | 15.06                    | 18.02                         |
|                               | 165     | 5825      | 15                       | 14.97                    | 18                            |
| 802.11ax HE40                 | 151     | 5755      | 13.9                     | 13.91                    | 16.92                         |
|                               | 159     | 5795      | 13.67                    | 13.62                    | 16.66                         |
| 802.11ax HE80                 | 155     | 5775      | 12.76                    | 12.78                    | 15.78                         |

| WLAN Conducted Power (Tablet) |         |           |                          |
|-------------------------------|---------|-----------|--------------------------|
| WLAN2.4GHz Ant 0              |         |           |                          |
| Mode                          | Channel | Frequency | SISO Ant 0<br>Avg. Power |
| 802.11b                       | 1       | 2412      | 18.73                    |
|                               | 6       | 2437      | 18.97                    |
|                               | 11      | 2462      | 18.94                    |
|                               | 12      | 2467      | 15.12                    |
|                               | 13      | 2472      | 8.81                     |
| 802.11g                       | 1       | 2412      | 16.66                    |
|                               | 6       | 2437      | 18.4                     |
|                               | 11      | 2462      | 15.36                    |
|                               | 12      | 2467      | 11.23                    |
|                               | 13      | 2472      | 6.93                     |
| 802.11n HT20                  | 1       | 2412      | 16.41                    |
|                               | 6       | 2437      | 17.45                    |
|                               | 11      | 2462      | 16.12                    |
|                               | 12      | 2467      | 9.23                     |
|                               | 13      | 2472      | 5.12                     |
| 802.11n HT40                  | 3       | 2422      | 14.32                    |
|                               | 6       | 2437      | 15.33                    |
|                               | 9       | 2452      | 14.12                    |
|                               | 10      | 2457      | 8.2                      |
|                               | 11      | 2462      | 6.23                     |
| 802.11ac VHT20                | 1       | 2412      | 16.25                    |
|                               | 6       | 2437      | 17.82                    |
|                               | 11      | 2462      | 16.27                    |
|                               | 12      | 2467      | 9.84                     |
|                               | 13      | 2472      | 5.2                      |
| 802.11ac VHT40                | 3       | 2422      | 14.89                    |
|                               | 6       | 2437      | 15.89                    |
|                               | 9       | 2452      | 14.7                     |
|                               | 10      | 2457      | 8.25                     |
|                               | 11      | 2462      | 6.36                     |
| 802.11ax HE20                 | 1       | 2412      | 16.56                    |
|                               | 6       | 2437      | 17.78                    |
|                               | 11      | 2462      | 16.4                     |
|                               | 12      | 2467      | 10.08                    |
|                               | 13      | 2472      | 5.74                     |
| 802.11ax HE40                 | 3       | 2422      | 14.11                    |
|                               | 6       | 2437      | 15.32                    |
|                               | 9       | 2452      | 14.22                    |
|                               | 10      | 2457      | 8.07                     |
|                               | 11      | 2462      | 6.07                     |

| WLAN Conducted Power (Tablet) |         |           |                          |
|-------------------------------|---------|-----------|--------------------------|
| WLAN2.4GHz Ant 1              |         |           |                          |
| Mode                          | Channel | Frequency | SISO Ant 1<br>Avg. Power |
| 802.11b                       | 1       | 2412      | 18.71                    |
|                               | 6       | 2437      | 18.96                    |
|                               | 11      | 2462      | 18.78                    |
|                               | 12      | 2467      | 15.34                    |
|                               | 13      | 2472      | 8.71                     |
| 802.11g                       | 1       | 2412      | 16.57                    |
|                               | 6       | 2437      | 18.31                    |
|                               | 11      | 2462      | 15.29                    |
|                               | 12      | 2467      | 11.15                    |
|                               | 13      | 2472      | 6.88                     |
| 802.11n HT20                  | 1       | 2412      | 16.41                    |
|                               | 6       | 2437      | 17.37                    |
|                               | 11      | 2462      | 16.11                    |
|                               | 12      | 2467      | 9.16                     |
|                               | 13      | 2472      | 5.03                     |
| 802.11n HT40                  | 3       | 2422      | 14.27                    |
|                               | 6       | 2437      | 15.31                    |
|                               | 9       | 2452      | 14.04                    |
|                               | 10      | 2457      | 8.14                     |
|                               | 11      | 2462      | 6.23                     |
| 802.11ac VHT20                | 1       | 2412      | 16.38                    |
|                               | 6       | 2437      | 17.86                    |
|                               | 11      | 2462      | 16.21                    |
|                               | 12      | 2467      | 9.88                     |
|                               | 13      | 2472      | 5.28                     |
| 802.11ac VHT40                | 3       | 2422      | 14.86                    |
|                               | 6       | 2437      | 15.81                    |
|                               | 9       | 2452      | 14.85                    |
|                               | 10      | 2457      | 8.31                     |
|                               | 11      | 2462      | 6.21                     |
| 802.11ax HE20                 | 1       | 2412      | 16.47                    |
|                               | 6       | 2437      | 17.71                    |
|                               | 11      | 2462      | 16.36                    |
|                               | 12      | 2467      | 9.99                     |
|                               | 13      | 2472      | 5.7                      |
| 802.11ax HE40                 | 3       | 2422      | 14.05                    |
|                               | 6       | 2437      | 15.28                    |
|                               | 9       | 2452      | 14.15                    |
|                               | 10      | 2457      | 7.99                     |
|                               | 11      | 2462      | 6.05                     |

| WLAN Conducted Power (Tablet) |         |           |                          |                          |                               |
|-------------------------------|---------|-----------|--------------------------|--------------------------|-------------------------------|
| WLAN2.4GHz Ant 0+1            |         |           |                          |                          |                               |
| Mode                          | Channel | Frequency | MIMO Ant 0<br>Avg. Power | MIMO Ant 1<br>Avg. Power | MIMO Ant<br>0+1<br>Avg. Power |
| 802.11b                       | 1       | 2412      | 18.9                     | 18.96                    | 21.94                         |
|                               | 6       | 2437      | 18.92                    | 18.99                    | 21.97                         |
|                               | 11      | 2462      | 18.77                    | 18.33                    | 21.57                         |
|                               | 12      | 2467      | 15.44                    | 15.13                    | 18.30                         |
|                               | 13      | 2472      | 8.98                     | 8.65                     | 11.83                         |
| 802.11g                       | 1       | 2412      | 16.6                     | 16.58                    | 19.60                         |
|                               | 6       | 2437      | 18.4                     | 18.33                    | 21.38                         |
|                               | 11      | 2462      | 15.33                    | 15.33                    | 18.34                         |
|                               | 12      | 2467      | 11.13                    | 11.13                    | 14.14                         |
|                               | 13      | 2472      | 6.86                     | 6.83                     | 9.86                          |
| 802.11n HT20                  | 1       | 2412      | 16.34                    | 16.33                    | 19.35                         |
|                               | 6       | 2437      | 17.43                    | 17.43                    | 20.44                         |
|                               | 11      | 2462      | 16.04                    | 16.08                    | 19.07                         |
|                               | 12      | 2467      | 9.21                     | 9.16                     | 12.20                         |
|                               | 13      | 2472      | 5.1                      | 5.07                     | 8.10                          |
| 802.11n HT40                  | 3       | 2422      | 14.24                    | 14.23                    | 17.25                         |
|                               | 6       | 2437      | 15.26                    | 15.23                    | 18.26                         |
|                               | 9       | 2452      | 14.02                    | 14.07                    | 17.06                         |
|                               | 10      | 2457      | 8.16                     | 8.16                     | 11.17                         |
|                               | 11      | 2462      | 6.14                     | 6.19                     | 9.18                          |
| 802.11ac VHT20                | 1       | 2412      | 16.22                    | 16.35                    | 19.30                         |
|                               | 6       | 2437      | 17.89                    | 17.77                    | 20.84                         |
|                               | 11      | 2462      | 16.39                    | 16.23                    | 19.32                         |
|                               | 12      | 2467      | 9.77                     | 9.86                     | 12.83                         |
|                               | 13      | 2472      | 5.33                     | 5.31                     | 8.33                          |
| 802.11ac VHT40                | 3       | 2422      | 14.71                    | 14.79                    | 17.76                         |
|                               | 6       | 2437      | 15.88                    | 15.77                    | 18.84                         |
|                               | 9       | 2452      | 14.76                    | 14.88                    | 17.83                         |
|                               | 10      | 2457      | 8.23                     | 8.36                     | 11.31                         |
|                               | 11      | 2462      | 6.29                     | 6.21                     | 9.26                          |
| 802.11ax HE20                 | 1       | 2412      | 16.54                    | 16.55                    | 19.56                         |
|                               | 6       | 2437      | 17.68                    | 17.7                     | 20.70                         |
|                               | 11      | 2462      | 16.38                    | 16.32                    | 19.36                         |
|                               | 12      | 2467      | 10.04                    | 10                       | 13.03                         |
|                               | 13      | 2472      | 5.68                     | 5.73                     | 8.72                          |
| 802.11ax HE40                 | 3       | 2422      | 14.05                    | 14.09                    | 17.08                         |
|                               | 6       | 2437      | 15.32                    | 15.31                    | 18.33                         |
|                               | 9       | 2452      | 14.17                    | 14.13                    | 17.16                         |
|                               | 10      | 2457      | 8.05                     | 8.01                     | 11.04                         |
|                               | 11      | 2462      | 5.97                     | 6.02                     | 9.01                          |

| WLAN Conducted Power (Tablet) |         |           |                          |
|-------------------------------|---------|-----------|--------------------------|
| Bluetooth Ant 1               |         |           |                          |
| Mode                          | Channel | Frequency | SISO Ant 1<br>Avg. Power |
| BR / EDR                      | 0       | 2402      | 10.1                     |
|                               | 39      | 2441      | 9.85                     |
|                               | 78      | 2480      | 9.73                     |
| LE                            | 0       | 2402      | 9.66                     |
|                               | 19      | 2440      | 9.52                     |
|                               | 39      | 2480      | 9.51                     |

| WLAN Conducted Power (Tablet) |         |           |                          |
|-------------------------------|---------|-----------|--------------------------|
| WLAN 5.3GHz Ant 0             |         |           |                          |
| Mode                          | Channel | Frequency | SISO Ant 0<br>Avg. Power |
| 802.11a                       | 52      | 5260      | 16.13                    |
|                               | 56      | 5280      | 16.2                     |
|                               | 60      | 5300      | 15.87                    |
|                               | 64      | 5320      | 15.2                     |
| 802.11n HT20                  | 52      | 5260      | 16.14                    |
|                               | 56      | 5280      | 15.74                    |
|                               | 60      | 5300      | 15.9                     |
|                               | 64      | 5320      | 15.19                    |
| 802.11n HT40                  | 54      | 5270      | 16.25                    |
|                               | 62      | 5310      | 14.78                    |
| 802.11ac VHT20                | 52      | 5260      | 16.16                    |
|                               | 56      | 5280      | 16.23                    |
|                               | 60      | 5300      | 16.15                    |
|                               | 64      | 5320      | 15.23                    |
| 802.11ac VHT40                | 54      | 5270      | 16.17                    |
|                               | 62      | 5310      | 14.78                    |
| 802.11ac VHT80                | 58      | 5290      | 13.21                    |
| 802.11ax HE20                 | 52      | 5260      | 16.03                    |
|                               | 56      | 5280      | 15.95                    |
|                               | 60      | 5300      | 15.65                    |
|                               | 64      | 5320      | 15.17                    |
| 802.11ax HE40                 | 54      | 5270      | 16                       |
|                               | 62      | 5310      | 14.39                    |
| 802.11ax HE80                 | 58      | 5290      | 13.28                    |

| WLAN Conducted Power (Tablet) |         |           |                          |
|-------------------------------|---------|-----------|--------------------------|
| WLAN 5.3GHz Ant 1             |         |           |                          |
| Mode                          | Channel | Frequency | SISO Ant 1<br>Avg. Power |
| 802.11a                       | 52      | 5260      | 16.02                    |
|                               | 56      | 5280      | 16.04                    |
|                               | 60      | 5300      | 15.8                     |
|                               | 64      | 5320      | 15.06                    |
| 802.11n HT20                  | 52      | 5260      | 16.03                    |
|                               | 56      | 5280      | 15.55                    |
|                               | 60      | 5300      | 15.69                    |
|                               | 64      | 5320      | 15.03                    |
| 802.11n HT40                  | 54      | 5270      | 16.42                    |
|                               | 62      | 5310      | 14.98                    |
| 802.11ac VHT20                | 52      | 5260      | 16.25                    |
|                               | 56      | 5280      | 16.31                    |
|                               | 60      | 5300      | 16.27                    |
|                               | 64      | 5320      | 15.4                     |
| 802.11ac VHT40                | 54      | 5270      | 16.21                    |
|                               | 62      | 5310      | 14.9                     |
| 802.11ac VHT80                | 58      | 5290      | 13.28                    |
| 802.11ax HE20                 | 52      | 5260      | 16                       |
|                               | 56      | 5280      | 15.85                    |
|                               | 60      | 5300      | 15.63                    |
|                               | 64      | 5320      | 15.13                    |
| 802.11ax HE40                 | 54      | 5270      | 15.92                    |
|                               | 62      | 5310      | 14.37                    |
| 802.11ax HE80                 | 58      | 5290      | 13.22                    |

| WLAN Conducted Power (Tablet) |         |           |                          |                          |                               |
|-------------------------------|---------|-----------|--------------------------|--------------------------|-------------------------------|
| WLAN 5.3GHz Ant 0+1           |         |           |                          |                          |                               |
| Mode                          | Channel | Frequency | MIMO Ant 0<br>Avg. Power | MIMO Ant 1<br>Avg. Power | MIMO Ant<br>0+1<br>Avg. Power |
| 802.11a                       | 52      | 5260      | 12.78                    | 12.82                    | 15.81                         |
|                               | 56      | 5280      | 12.87                    | 12.8                     | 15.85                         |
|                               | 60      | 5300      | 12.76                    | 12.72                    | 15.75                         |
|                               | 64      | 5320      | 12.19                    | 12.18                    | 15.2                          |
| 802.11n HT20                  | 52      | 5260      | 12.93                    | 12.9                     | 15.93                         |
|                               | 56      | 5280      | 12.53                    | 12.61                    | 15.58                         |
|                               | 60      | 5300      | 12.73                    | 12.89                    | 15.82                         |
|                               | 64      | 5320      | 12.13                    | 11.99                    | 15.07                         |
| 802.11n HT40                  | 54      | 5270      | 13.04                    | 13.02                    | 16.04                         |
|                               | 62      | 5310      | 11                       | 11.99                    | 14.53                         |
| 802.11ac VHT20                | 52      | 5260      | 12.98                    | 12.92                    | 15.96                         |
|                               | 56      | 5280      | 13.03                    | 12.96                    | 16.01                         |
|                               | 60      | 5300      | 13.01                    | 12.95                    | 15.99                         |
|                               | 64      | 5320      | 12.39                    | 12.21                    | 15.31                         |
| 802.11ac VHT40                | 54      | 5270      | 12.51                    | 13.39                    | 15.98                         |
|                               | 62      | 5310      | 11.7                     | 11.8                     | 14.76                         |
| 802.11ac VHT80                | 58      | 5290      | 10.23                    | 10.09                    | 13.17                         |
| 802.11ax HE20                 | 52      | 5260      | 12.93                    | 12.99                    | 15.97                         |
|                               | 56      | 5280      | 12.89                    | 12.95                    | 15.93                         |
|                               | 60      | 5300      | 12.61                    | 12.6                     | 15.62                         |
|                               | 64      | 5320      | 12.15                    | 12.08                    | 15.13                         |
| 802.11ax HE40                 | 54      | 5270      | 12.9                     | 12.97                    | 15.95                         |
|                               | 62      | 5310      | 11.34                    | 11.33                    | 14.35                         |
| 802.11ax HE80                 | 58      | 5290      | 10.26                    | 10.22                    | 13.25                         |

| WLAN Conducted Power (Tablet) |         |           |                          |
|-------------------------------|---------|-----------|--------------------------|
| WLAN 5.6GHz Ant 0             |         |           |                          |
| Mode                          | Channel | Frequency | SISO Ant 0<br>Avg. Power |
| 802.11a                       | 100     | 5500      | 15.15                    |
|                               | 116     | 5580      | 14.96                    |
|                               | 132     | 5660      | 14.98                    |
|                               | 140     | 5700      | 15.03                    |
|                               | 144     | 5720      | 15.16                    |
| 802.11n HT20                  | 100     | 5500      | 15.08                    |
|                               | 116     | 5580      | 15.06                    |
|                               | 132     | 5660      | 15.01                    |
|                               | 140     | 5700      | 15.25                    |
|                               | 144     | 5720      | 15.03                    |
| 802.11n HT40                  | 102     | 5510      | 15.23                    |
|                               | 110     | 5550      | 15.1                     |
|                               | 134     | 5670      | 15.16                    |
|                               | 142     | 5710      | 15.21                    |
| 802.11ac VHT20                | 100     | 5500      | 15                       |
|                               | 116     | 5580      | 15.03                    |
|                               | 132     | 5660      | 15.14                    |
|                               | 140     | 5700      | 15                       |
|                               | 144     | 5720      | 15.24                    |
| 802.11ac VHT40                | 102     | 5510      | 14.93                    |
|                               | 110     | 5550      | 15.19                    |
|                               | 134     | 5670      | 15.16                    |
|                               | 142     | 5710      | 15.17                    |
| 802.11ac VHT80                | 106     | 5530      | 14.29                    |
|                               | 138     | 5690      | 15.35                    |
| 802.11ax HE20                 | 100     | 5500      | 14.99                    |
|                               | 116     | 5580      | 14.9                     |
|                               | 132     | 5660      | 15.1                     |
|                               | 140     | 5700      | 15.02                    |
|                               | 144     | 5720      | 15.13                    |
| 802.11ax HE40                 | 102     | 5510      | 14.92                    |
|                               | 110     | 5550      | 15.14                    |
|                               | 134     | 5670      | 14.91                    |
|                               | 142     | 5710      | 15.21                    |
| 802.11ax HE80                 | 106     | 5530      | 13.91                    |
|                               | 138     | 5690      | 15.33                    |

| WLAN Conducted Power (Tablet) |         |           |                          |
|-------------------------------|---------|-----------|--------------------------|
| WLAN 5.6GHz Ant 1             |         |           |                          |
| Mode                          | Channel | Frequency | SISO Ant 1<br>Avg. Power |
| 802.11a                       | 100     | 5500      | 15.36                    |
|                               | 116     | 5580      | 15.31                    |
|                               | 132     | 5660      | 15.31                    |
|                               | 140     | 5700      | 15.24                    |
|                               | 144     | 5720      | 15.21                    |
| 802.11n HT20                  | 100     | 5500      | 15.3                     |
|                               | 116     | 5580      | 15.26                    |
|                               | 132     | 5660      | 15.24                    |
|                               | 140     | 5700      | 15.2                     |
|                               | 144     | 5720      | 15.21                    |
| 802.11n HT40                  | 102     | 5510      | 15.36                    |
|                               | 110     | 5550      | 15.27                    |
|                               | 134     | 5670      | 15.34                    |
|                               | 142     | 5710      | 15.26                    |
| 802.11ac VHT20                | 100     | 5500      | 15.31                    |
|                               | 116     | 5580      | 15.22                    |
|                               | 132     | 5660      | 15.23                    |
|                               | 140     | 5700      | 15.25                    |
|                               | 144     | 5720      | 15.23                    |
| 802.11ac VHT40                | 102     | 5510      | 15.21                    |
|                               | 110     | 5550      | 15.37                    |
|                               | 134     | 5670      | 15.21                    |
|                               | 142     | 5710      | 15.34                    |
| 802.11ac VHT80                | 106     | 5530      | 14.36                    |
|                               | 138     | 5690      | 15.38                    |
| 802.11ax HE20                 | 100     | 5500      | 15.28                    |
|                               | 116     | 5580      | 15.33                    |
|                               | 132     | 5660      | 15.37                    |
|                               | 140     | 5700      | 15.28                    |
|                               | 144     | 5720      | 15.2                     |
| 802.11ax HE40                 | 102     | 5510      | 15.37                    |
|                               | 110     | 5550      | 15.3                     |
|                               | 134     | 5670      | 15.31                    |
|                               | 142     | 5710      | 15.36                    |
| 802.11ax HE80                 | 106     | 5530      | 14.2                     |
|                               | 138     | 5690      | 15.35                    |

| WLAN Conducted Power (Tablet) |         |           |                          |                          |                               |
|-------------------------------|---------|-----------|--------------------------|--------------------------|-------------------------------|
| WLAN 5.6GHz Ant 0+1           |         |           |                          |                          |                               |
| Mode                          | Channel | Frequency | MIMO Ant 0<br>Avg. Power | MIMO Ant 1<br>Avg. Power | MIMO Ant<br>0+1<br>Avg. Power |
| 802.11a                       | 100     | 5500      | 12.18                    | 12.09                    | 15.15                         |
|                               | 116     | 5580      | 11.93                    | 12.24                    | 15.1                          |
|                               | 132     | 5660      | 11.97                    | 11.91                    | 14.95                         |
|                               | 140     | 5700      | 12.02                    | 11.91                    | 14.98                         |
|                               | 144     | 5720      | 11.98                    | 12.2                     | 15.1                          |
| 802.11n HT20                  | 100     | 5500      | 12.3                     | 12.04                    | 15.18                         |
|                               | 116     | 5580      | 11.9                     | 12.22                    | 15.07                         |
|                               | 132     | 5660      | 11.94                    | 12.29                    | 15.13                         |
|                               | 140     | 5700      | 12.03                    | 12.29                    | 15.17                         |
|                               | 144     | 5720      | 12.03                    | 11.94                    | 15                            |
| 802.11n HT40                  | 102     | 5510      | 12.12                    | 11.9                     | 15.02                         |
|                               | 110     | 5550      | 11.9                     | 11.96                    | 14.94                         |
|                               | 134     | 5670      | 12.08                    | 12.08                    | 15.09                         |
|                               | 142     | 5710      | 11.94                    | 12.29                    | 15.13                         |
| 802.11ac VHT20                | 100     | 5500      | 12.09                    | 11.96                    | 15.04                         |
|                               | 116     | 5580      | 12.28                    | 12.16                    | 15.23                         |
|                               | 132     | 5660      | 11.98                    | 12.19                    | 15.1                          |
|                               | 140     | 5700      | 12.27                    | 12.19                    | 15.24                         |
|                               | 144     | 5720      | 12.28                    | 11.93                    | 15.12                         |
| 802.11ac VHT40                | 102     | 5510      | 11.97                    | 12                       | 15                            |
|                               | 110     | 5550      | 12.15                    | 11.9                     | 15.04                         |
|                               | 118     | 5590      | 12.18                    | 12.25                    | 15.23                         |
|                               | 134     | 5670      | 12.29                    | 12.17                    | 15.24                         |
|                               | 142     | 5710      | 12.04                    | 11.91                    | 14.99                         |
| 802.11ac VHT80                | 106     | 5530      | 11.41                    | 11.07                    | 14.25                         |
|                               | 138     | 5690      | 12.33                    | 12.21                    | 15.28                         |
| 802.11ax HE20                 | 100     | 5500      | 12.16                    | 12.15                    | 15.17                         |
|                               | 116     | 5580      | 11.97                    | 12.24                    | 15.12                         |
|                               | 132     | 5660      | 12.09                    | 12.19                    | 15.15                         |
|                               | 140     | 5700      | 12.24                    | 11.91                    | 15.09                         |
|                               | 144     | 5720      | 12.14                    | 12.27                    | 15.22                         |
| 802.11ax HE40                 | 102     | 5510      | 12.04                    | 12.11                    | 15.09                         |
|                               | 110     | 5550      | 12.21                    | 12.2                     | 15.22                         |
|                               | 134     | 5670      | 12.26                    | 12.18                    | 15.23                         |
|                               | 142     | 5710      | 12.23                    | 11.97                    | 15.11                         |
| 802.11ax HE80                 | 106     | 5530      | 11.09                    | 10.93                    | 14.02                         |
|                               | 138     | 5690      | 12.03                    | 12.3                     | 15.18                         |

| WLAN Conducted Power (Tablet) |         |           |                          |
|-------------------------------|---------|-----------|--------------------------|
| WLAN 5.8GHz Ant 0             |         |           |                          |
| Mode                          | Channel | Frequency | SISO Ant 0<br>Avg. Power |
| 802.11a                       | 149     | 5745      | 15.23                    |
|                               | 153     | 5765      | 15.26                    |
|                               | 157     | 5785      | 15.23                    |
|                               | 161     | 5805      | 15.23                    |
|                               | 165     | 5825      | 15.27                    |
| 802.11n HT20                  | 149     | 5745      | 15.34                    |
|                               | 153     | 5765      | 15.4                     |
|                               | 157     | 5785      | 15.39                    |
|                               | 161     | 5805      | 15.29                    |
|                               | 165     | 5825      | 15.26                    |
| 802.11n HT40                  | 151     | 5755      | 15.38                    |
|                               | 159     | 5795      | 15.37                    |
| 802.11ac VHT20                | 149     | 5745      | 15.4                     |
|                               | 153     | 5765      | 15.23                    |
|                               | 157     | 5785      | 15.23                    |
|                               | 161     | 5805      | 15.36                    |
|                               | 165     | 5825      | 15.21                    |
| 802.11ac VHT40                | 151     | 5755      | 15.35                    |
|                               | 159     | 5795      | 15.39                    |
| 802.11ac VHT80                | 155     | 5775      | 15.44                    |
| 802.11ax HE20                 | 149     | 5745      | 15.36                    |
|                               | 153     | 5765      | 15.31                    |
|                               | 157     | 5785      | 15.23                    |
|                               | 161     | 5805      | 15.31                    |
|                               | 165     | 5825      | 15.27                    |
| 802.11ax HE40                 | 151     | 5755      | 15.37                    |
|                               | 159     | 5795      | 15.36                    |
| 802.11ax HE80                 | 155     | 5775      | 15.39                    |

| WLAN Conducted Power (Tablet) |         |           |                          |
|-------------------------------|---------|-----------|--------------------------|
| WLAN 5.8GHz Ant 1             |         |           |                          |
| Mode                          | Channel | Frequency | SISO Ant 1<br>Avg. Power |
| 802.11a                       | 149     | 5745      | 14.75                    |
|                               | 153     | 5765      | 14.6                     |
|                               | 157     | 5785      | 14.46                    |
|                               | 161     | 5805      | 14.6                     |
|                               | 165     | 5825      | 14.53                    |
| 802.11n HT20                  | 149     | 5745      | 14.43                    |
|                               | 153     | 5765      | 14.52                    |
|                               | 157     | 5785      | 14.71                    |
|                               | 161     | 5805      | 14.78                    |
|                               | 165     | 5825      | 14.62                    |
| 802.11n HT40                  | 151     | 5755      | 14.47                    |
|                               | 159     | 5795      | 14.77                    |
| 802.11ac VHT20                | 149     | 5745      | 14.46                    |
|                               | 153     | 5765      | 14.73                    |
|                               | 157     | 5785      | 14.59                    |
|                               | 161     | 5805      | 14.5                     |
|                               | 165     | 5825      | 14.68                    |
| 802.11ac VHT40                | 151     | 5755      | 14.64                    |
|                               | 159     | 5795      | 14.52                    |
| 802.11ac VHT80                | 155     | 5775      | 14.79                    |
| 802.11ax HE20                 | 149     | 5745      | 14.75                    |
|                               | 153     | 5765      | 14.6                     |
|                               | 157     | 5785      | 14.46                    |
|                               | 161     | 5805      | 14.6                     |
|                               | 165     | 5825      | 14.53                    |
| 802.11ax HE40                 | 151     | 5755      | 14.43                    |
|                               | 159     | 5795      | 14.52                    |
| 802.11ax HE80                 | 155     | 5775      | 14.71                    |

| WLAN Conducted Power (Tablet) |         |           |                          |                          |                               |
|-------------------------------|---------|-----------|--------------------------|--------------------------|-------------------------------|
| WLAN 5.8GHz Ant 0+1           |         |           |                          |                          |                               |
| Mode                          | Channel | Frequency | MIMO Ant 0<br>Avg. Power | MIMO Ant 1<br>Avg. Power | MIMO Ant<br>0+1<br>Avg. Power |
| 802.11a                       | 149     | 5745      | 12.33                    | 12.11                    | 15.23                         |
|                               | 153     | 5765      | 12.33                    | 12.05                    | 15.2                          |
|                               | 157     | 5785      | 12.29                    | 12.01                    | 15.16                         |
|                               | 161     | 5805      | 12.25                    | 11.85                    | 15.06                         |
|                               | 165     | 5825      | 12.18                    | 11.87                    | 15.04                         |
| 802.11n HT20                  | 149     | 5745      | 12.31                    | 11.97                    | 15.15                         |
|                               | 153     | 5765      | 12.21                    | 11.88                    | 15.06                         |
|                               | 157     | 5785      | 12.25                    | 11.95                    | 15.11                         |
|                               | 161     | 5805      | 12.3                     | 11.89                    | 15.11                         |
|                               | 165     | 5825      | 12.11                    | 11.78                    | 14.96                         |
| 802.11n HT40                  | 151     | 5755      | 12.05                    | 12.01                    | 15.04                         |
|                               | 159     | 5795      | 12.13                    | 11.98                    | 15.07                         |
| 802.11ac VHT20                | 149     | 5745      | 12.23                    | 11.92                    | 15.09                         |
|                               | 153     | 5765      | 12.26                    | 11.98                    | 15.13                         |
|                               | 157     | 5785      | 12.12                    | 12.02                    | 15.08                         |
|                               | 161     | 5805      | 12.15                    | 12.09                    | 15.13                         |
|                               | 165     | 5825      | 12.16                    | 12.08                    | 15.13                         |
| 802.11ac VHT40                | 151     | 5755      | 12.12                    | 12.01                    | 15.08                         |
|                               | 159     | 5795      | 12.26                    | 12.11                    | 15.2                          |
| 802.11ac VHT80                | 155     | 5775      | 12.27                    | 12.21                    | 15.25                         |
| 802.11ax HE20                 | 149     | 5745      | 12.03                    | 11.66                    | 14.86                         |
|                               | 153     | 5765      | 12.21                    | 11.9                     | 15.07                         |
|                               | 157     | 5785      | 12.16                    | 11.69                    | 14.94                         |
|                               | 161     | 5805      | 12.21                    | 11.75                    | 15                            |
|                               | 165     | 5825      | 12.05                    | 11.96                    | 15.02                         |
| 802.11ax HE40                 | 151     | 5755      | 12.17                    | 12.11                    | 15.15                         |
|                               | 159     | 5795      | 12.22                    | 12.06                    | 15.15                         |
| 802.11ax HE80                 | 155     | 5775      | 12.2                     | 12.02                    | 15.12                         |

## **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.

## Tablet SAR Test Result

| System & Position |          |              |               |                          |         | DUT & Accessory | SAR        |              |                          |                                |                |                  |                        |                      |
|-------------------|----------|--------------|---------------|--------------------------|---------|-----------------|------------|--------------|--------------------------|--------------------------------|----------------|------------------|------------------------|----------------------|
| Plot No.          | Band     | Mode         | Test Position | Separation Distance (mm) | Channel | Ant Status      | Duty Cycle | Crest Factor | Max. Tune-up Power (dBm) | Measured Conducted Power (dBm) | Scaling Factor | Power Drift (dB) | Measured SAR-1g (W/kg) | Scaled SAR-1g (W/kg) |
|                   | WLAN2.4G | 802.11b      | Rear Face     | 0                        | 6       | Ant 0           | 100.00     | 1.00         | 19.00                    | 18.97                          | 1.01           | 0.07             | 0.185                  | 0.19                 |
|                   | WLAN2.4G | 802.11b      | Left Side     | 0                        | 6       | Ant 0           | 100.00     | 1.00         | 19.00                    | 18.97                          | 1.01           | -0.05            | 0.086                  | 0.09                 |
|                   | WLAN2.4G | 802.11b      | Right Side    | 0                        | 6       | Ant 0           | 100.00     | 1.00         | 19.00                    | 18.97                          | 1.01           | 0                | <0.001                 | 0.00                 |
|                   | WLAN2.4G | 802.11b      | Top Side      | 0                        | 6       | Ant 0           | 100.00     | 1.00         | 19.00                    | 18.97                          | 1.01           | -0.06            | 0.504                  | 0.51                 |
|                   | WLAN2.4G | 802.11b      | Bottom Side   | 0                        | 6       | Ant 0           | 100.00     | 1.00         | 19.00                    | 18.97                          | 1.01           | -0.05            | 0.064                  | 0.06                 |
|                   | WLAN2.4G | 802.11b      | Rear Face     | 0                        | 6       | Ant 1           | 100.00     | 1.00         | 19.00                    | 18.96                          | 1.01           | -0.03            | 0.091                  | 0.09                 |
|                   | WLAN2.4G | 802.11b      | Left Side     | 0                        | 6       | Ant 1           | 100.00     | 1.00         | 19.00                    | 18.96                          | 1.01           | 0                | <0.001                 | 0.00                 |
|                   | WLAN2.4G | 802.11b      | Right Side    | 0                        | 6       | Ant 1           | 100.00     | 1.00         | 19.00                    | 18.96                          | 1.01           | -0.03            | 0.056                  | 0.06                 |
|                   | WLAN2.4G | 802.11b      | Top Side      | 0                        | 6       | Ant 1           | 100.00     | 1.00         | 19.00                    | 18.96                          | 1.01           | 0.11             | 0.562                  | 0.57                 |
|                   | WLAN2.4G | 802.11b      | Bottom Side   | 0                        | 6       | Ant 1           | 100.00     | 1.00         | 19.00                    | 18.96                          | 1.01           | -0.07            | 0.036                  | 0.04                 |
|                   | WLAN2.4G | 802.11b      | Rear Face     | 0                        | 6       | Ant 0+1         | 100.00     | 1.00         | 22.00                    | 21.97                          | 1.01           | 0.02             | 0.196                  | 0.20                 |
|                   | WLAN2.4G | 802.11b      | Left Side     | 0                        | 6       | Ant 0+1         | 100.00     | 1.00         | 22.00                    | 21.97                          | 1.01           | 0.12             | 0.107                  | 0.11                 |
|                   | WLAN2.4G | 802.11b      | Right Side    | 0                        | 6       | Ant 0+1         | 100.00     | 1.00         | 22.00                    | 21.97                          | 1.01           | 0.05             | 0.044                  | 0.04                 |
|                   | WLAN2.4G | 802.11b      | Top Side      | 0                        | 6       | Ant 0+1         | 100.00     | 1.00         | 22.00                    | 21.97                          | 1.01           | 0.09             | 0.674                  | 0.68                 |
|                   | WLAN2.4G | 802.11b      | Bottom Side   | 0                        | 6       | Ant 0+1         | 100.00     | 1.00         | 22.00                    | 21.97                          | 1.01           | -0.05            | 0.069                  | 0.07                 |
|                   | WLAN2.4G | 802.11b      | Top Side      | 0                        | 1       | Ant 0+1         | 100.00     | 1.00         | 22.00                    | 21.94                          | 1.01           | 0.07             | 0.641                  | 0.65                 |
| 1                 | WLAN2.4G | 802.11b      | Top Side      | 0                        | 11      | Ant 0+1         | 100.00     | 1.00         | 22.00                    | 21.57                          | 1.10           | -0.07            | 0.714                  | 0.79                 |
|                   | WLAN2.4G | 802.11b      | Top Side      | 0                        | 12      | Ant 0+1         | 100.00     | 1.00         | 18.50                    | 18.30                          | 1.05           | -0.07            | 0.307                  | 0.32                 |
|                   | WLAN2.4G | 802.11b      | Top Side      | 0                        | 13      | Ant 0+1         | 100.00     | 1.00         | 12.00                    | 11.83                          | 1.04           | -0.17            | 0.081                  | 0.08                 |
|                   |          |              |               |                          |         |                 |            |              |                          |                                |                |                  |                        |                      |
|                   | WLAN5.3G | 802.11n HT40 | Rear Face     | 0                        | 54      | Ant 0           | 100.00     | 1.00         | 16.50                    | 16.25                          | 1.06           | 0.02             | 0.271                  | 0.29                 |
|                   | WLAN5.3G | 802.11n HT40 | Left Side     | 0                        | 54      | Ant 0           | 100.00     | 1.00         | 16.50                    | 16.25                          | 1.06           | -0.14            | 0.115                  | 0.12                 |
|                   | WLAN5.3G | 802.11n HT40 | Right Side    | 0                        | 54      | Ant 0           | 100.00     | 1.00         | 16.50                    | 16.25                          | 1.06           | 0                | <0.001                 | 0.00                 |
|                   | WLAN5.3G | 802.11n HT40 | Top Side      | 0                        | 54      | Ant 0           | 100.00     | 1.00         | 16.50                    | 16.25                          | 1.06           | -0.11            | 0.987                  | 1.05                 |
|                   | WLAN5.3G | 802.11n HT40 | Bottom Side   | 0                        | 54      | Ant 0           | 100.00     | 1.00         | 16.50                    | 16.25                          | 1.06           | -0.18            | 0.075                  | 0.08                 |
|                   | WLAN5.3G | 802.11n HT40 | Rear Face     | 0                        | 54      | Ant 1           | 100.00     | 1.00         | 16.50                    | 16.42                          | 1.02           | 0.16             | 0.258                  | 0.26                 |
|                   | WLAN5.3G | 802.11n HT40 | Left Side     | 0                        | 54      | Ant 1           | 100.00     | 1.00         | 16.50                    | 16.42                          | 1.02           | 0                | <0.001                 | 0.00                 |
|                   | WLAN5.3G | 802.11n HT40 | Right Side    | 0                        | 54      | Ant 1           | 100.00     | 1.00         | 16.50                    | 16.42                          | 1.02           | 0.03             | 0.084                  | 0.09                 |
|                   | WLAN5.3G | 802.11n HT40 | Top Side      | 0                        | 54      | Ant 1           | 100.00     | 1.00         | 16.50                    | 16.42                          | 1.02           | -0.15            | 0.854                  | 0.87                 |
|                   | WLAN5.3G | 802.11n HT40 | Bottom Side   | 0                        | 54      | Ant 1           | 100.00     | 1.00         | 16.50                    | 16.42                          | 1.02           | -0.07            | 0.082                  | 0.08                 |
|                   | WLAN5.3G | 802.11n HT40 | Rear Face     | 0                        | 54      | Ant 0+1         | 100.00     | 1.00         | 19.50                    | 19.04                          | 1.11           | 0.15             | 0.288                  | 0.32                 |
|                   | WLAN5.3G | 802.11n HT40 | Left Side     | 0                        | 54      | Ant 0+1         | 100.00     | 1.00         | 19.50                    | 19.04                          | 1.11           | 0.18             | 0.113                  | 0.13                 |
|                   | WLAN5.3G | 802.11n HT40 | Right Side    | 0                        | 54      | Ant 0+1         | 100.00     | 1.00         | 19.50                    | 19.04                          | 1.11           | -0.09            | 0.094                  | 0.10                 |
| 2                 | WLAN5.3G | 802.11n HT40 | Top Side      | 0                        | 54      | Ant 0+1         | 100.00     | 1.00         | 19.50                    | 19.04                          | 1.11           | 0.11             | 1.03                   | 1.14                 |
|                   | WLAN5.3G | 802.11n HT40 | Bottom Side   | 0                        | 54      | Ant 0+1         | 100.00     | 1.00         | 19.50                    | 19.04                          | 1.11           | -0.02            | 0.082                  | 0.09                 |
|                   | WLAN5.3G | 802.11n HT40 | Top Side      | 0                        | 62      | Ant 0           | 100.00     | 1.00         | 15.00                    | 14.78                          | 1.05           | -0.17            | 0.595                  | 0.62                 |
|                   | WLAN5.3G | 802.11n HT40 | Top Side      | 0                        | 62      | Ant 1           | 100.00     | 1.00         | 15.00                    | 14.98                          | 1.00           | 0.03             | 0.644                  | 0.64                 |
|                   | WLAN5.3G | 802.11n HT40 | Top Side      | 0                        | 62      | Ant 0+1         | 100.00     | 1.00         | 18.00                    | 17.53                          | 1.11           | 0.14             | 0.818                  | 0.91                 |
|                   | WLAN5.3G | 802.11n HT40 | Top Side      | 0                        | 54      | Ant 0+1         | 100.00     | 1.00         | 19.50                    | 19.04                          | 1.11           | -0.04            | 1.01                   | 1.12                 |
|                   |          |              |               |                          |         |                 |            |              |                          |                                |                |                  |                        |                      |

## Tablet SAR Test Result

| System & Position |          |                |               |                          |         | DUT & Accessory | SAR        |              |                          |                                |                |                  |                        |                      |
|-------------------|----------|----------------|---------------|--------------------------|---------|-----------------|------------|--------------|--------------------------|--------------------------------|----------------|------------------|------------------------|----------------------|
| Plot No.          | Band     | Mode           | Test Position | Separation Distance (mm) | Channel | Ant Status      | Duty Cycle | Crest Factor | Max. Tune-up Power (dBm) | Measured Conducted Power (dBm) | Scaling Factor | Power Drift (dB) | Measured SAR-1g (W/kg) | Scaled SAR-1g (W/kg) |
|                   | WLAN5.6G | 802.11ac VHT80 | Rear Face     | 0                        | 138     | Ant 0           | 100.00     | 1.00         | 15.50                    | 15.35                          | 1.04           | 0.124            | 0.356                  | 0.37                 |
|                   | WLAN5.6G | 802.11ac VHT80 | Left Side     | 0                        | 138     | Ant 0           | 100.00     | 1.00         | 15.50                    | 15.35                          | 1.04           | 0.019            | 0.061                  | 0.06                 |
|                   | WLAN5.6G | 802.11ac VHT80 | Right Side    | 0                        | 138     | Ant 0           | 100.00     | 1.00         | 15.50                    | 15.35                          | 1.04           | 0                | <0.001                 | 0.00                 |
| 3                 | WLAN5.6G | 802.11ac VHT80 | Top Side      | 0                        | 138     | Ant 0           | 100.00     | 1.00         | 15.50                    | 15.35                          | 1.04           | -0.09            | 1.08                   | 1.12                 |
|                   | WLAN5.6G | 802.11ac VHT80 | Bottom Side   | 0                        | 138     | Ant 0           | 100.00     | 1.00         | 15.50                    | 15.35                          | 1.04           | -0.18            | 0.057                  | 0.06                 |
|                   | WLAN5.6G | 802.11ac VHT80 | Rear Face     | 0                        | 138     | Ant 1           | 100.00     | 1.00         | 15.50                    | 15.38                          | 1.03           | 0.09             | 0.279                  | 0.29                 |
|                   | WLAN5.6G | 802.11ac VHT80 | Left Side     | 0                        | 138     | Ant 1           | 100.00     | 1.00         | 15.50                    | 15.38                          | 1.03           | 0                | <0.001                 | 0.00                 |
|                   | WLAN5.6G | 802.11ac VHT80 | Right Side    | 0                        | 138     | Ant 1           | 100.00     | 1.00         | 15.50                    | 15.38                          | 1.03           | -0.05            | 0.108                  | 0.11                 |
|                   | WLAN5.6G | 802.11ac VHT80 | Top Side      | 0                        | 138     | Ant 1           | 100.00     | 1.00         | 15.50                    | 15.38                          | 1.03           | 0.04             | 1.05                   | 1.08                 |
|                   | WLAN5.6G | 802.11ac VHT80 | Bottom Side   | 0                        | 138     | Ant 1           | 100.00     | 1.00         | 15.50                    | 15.38                          | 1.03           | -0.01            | 0.056                  | 0.06                 |
|                   | WLAN5.6G | 802.11ac VHT80 | Rear Face     | 0                        | 138     | Ant 0+1         | 100.00     | 1.00         | 18.50                    | 18.28                          | 1.05           | 0.07             | 0.261                  | 0.27                 |
|                   | WLAN5.6G | 802.11ac VHT80 | Left Side     | 0                        | 138     | Ant 0+1         | 100.00     | 1.00         | 18.50                    | 18.28                          | 1.05           | 0.12             | 0.059                  | 0.06                 |
|                   | WLAN5.6G | 802.11ac VHT80 | Right Side    | 0                        | 138     | Ant 0+1         | 100.00     | 1.00         | 18.50                    | 18.28                          | 1.05           | 0.1              | 0.091                  | 0.10                 |
|                   | WLAN5.6G | 802.11ac VHT80 | Top Side      | 0                        | 138     | Ant 0+1         | 100.00     | 1.00         | 18.50                    | 18.28                          | 1.05           | 0.06             | 1.06                   | 1.11                 |
|                   | WLAN5.6G | 802.11ac VHT80 | Bottom Side   | 0                        | 138     | Ant 0+1         | 100.00     | 1.00         | 18.50                    | 18.28                          | 1.05           | 0.11             | 0.057                  | 0.06                 |
|                   | WLAN5.6G | 802.11ac VHT80 | Top Side      | 0                        | 106     | Ant 0           | 100.00     | 1.00         | 14.50                    | 14.29                          | 1.05           | -0.1             | 0.432                  | 0.45                 |
|                   | WLAN5.6G | 802.11ac VHT80 | Top Side      | 0                        | 122     | Ant 0           | 100.00     | 1.00         | 15.50                    | 15.22                          | 1.07           | -0.05            | 0.676                  | 0.72                 |
|                   | WLAN5.6G | 802.11ac VHT80 | Top Side      | 0                        | 106     | Ant 1           | 100.00     | 1.00         | 14.50                    | 14.36                          | 1.03           | -0.1             | 0.571                  | 0.59                 |
|                   | WLAN5.6G | 802.11ac VHT80 | Top Side      | 0                        | 122     | Ant 1           | 100.00     | 1.00         | 15.50                    | 15.29                          | 1.05           | 0.05             | 0.944                  | 0.99                 |
|                   | WLAN5.6G | 802.11ac VHT80 | Top Side      | 0                        | 106     | Ant 0+1         | 100.00     | 1.00         | 17.50                    | 17.25                          | 1.06           | 0.1              | 0.474                  | 0.50                 |
|                   | WLAN5.6G | 802.11ac VHT80 | Top Side      | 0                        | 122     | Ant 0+1         | 100.00     | 1.00         | 18.50                    | 18.01                          | 1.12           | -0.12            | 0.876                  | 0.98                 |
|                   | WLAN5.6G | 802.11ac VHT80 | Top Side      | 0                        | 138     | Ant 0           | 100.00     | 1.00         | 15.50                    | 15.35                          | 1.04           | -0.03            | 1.02                   | 1.06                 |
|                   |          |                |               |                          |         |                 |            |              |                          |                                |                |                  |                        | -                    |
|                   | WLAN5.8G | 802.11ac VHT80 | Rear Face     | 0                        | 155     | Ant 0           | 100.00     | 1.00         | 15.50                    | 15.44                          | 1.01           | -0.18            | 0.301                  | 0.30                 |
|                   | WLAN5.8G | 802.11ac VHT80 | Left Side     | 0                        | 155     | Ant 0           | 100.00     | 1.00         | 15.50                    | 15.44                          | 1.01           | -0.15            | 0.102                  | 0.10                 |
|                   | WLAN5.8G | 802.11ac VHT80 | Right Side    | 0                        | 155     | Ant 0           | 100.00     | 1.00         | 15.50                    | 15.44                          | 1.01           | 0                | <0.001                 | 0.00                 |
|                   | WLAN5.8G | 802.11ac VHT80 | Top Side      | 0                        | 155     | Ant 0           | 100.00     | 1.00         | 15.50                    | 15.44                          | 1.01           | -0.07            | 1.02                   | 1.03                 |
|                   | WLAN5.8G | 802.11ac VHT80 | Bottom Side   | 0                        | 155     | Ant 0           | 100.00     | 1.00         | 15.50                    | 15.44                          | 1.01           | 0.05             | 0.086                  | 0.09                 |
|                   | WLAN5.8G | 802.11ac VHT80 | Rear Face     | 0                        | 155     | Ant 1           | 100.00     | 1.00         | 15.00                    | 14.79                          | 1.05           | 0.04             | 0.307                  | 0.32                 |
|                   | WLAN5.8G | 802.11ac VHT80 | Left Side     | 0                        | 155     | Ant 1           | 100.00     | 1.00         | 15.00                    | 14.79                          | 1.05           | 0                | <0.001                 | 0.00                 |
|                   | WLAN5.8G | 802.11ac VHT80 | Right Side    | 0                        | 155     | Ant 1           | 100.00     | 1.00         | 15.00                    | 14.79                          | 1.05           | -0.14            | 0.124                  | 0.13                 |
|                   | WLAN5.8G | 802.11ac VHT80 | Top Side      | 0                        | 155     | Ant 1           | 100.00     | 1.00         | 15.00                    | 14.79                          | 1.05           | 0.03             | 1.09                   | 1.14                 |
|                   | WLAN5.8G | 802.11ac VHT80 | Bottom Side   | 0                        | 155     | Ant 1           | 100.00     | 1.00         | 15.00                    | 14.79                          | 1.05           | -0.02            | 0.093                  | 0.10                 |
|                   | WLAN5.8G | 802.11ac VHT80 | Rear Face     | 0                        | 155     | Ant 0+1         | 100.00     | 1.00         | 18.50                    | 18.25                          | 1.06           | -0.01            | 0.31                   | 0.33                 |
|                   | WLAN5.8G | 802.11ac VHT80 | Left Side     | 0                        | 155     | Ant 0+1         | 100.00     | 1.00         | 18.50                    | 18.25                          | 1.06           | -0.18            | 0.105                  | 0.11                 |
|                   | WLAN5.8G | 802.11ac VHT80 | Right Side    | 0                        | 155     | Ant 0+1         | 100.00     | 1.00         | 18.50                    | 18.25                          | 1.06           | 0.1              | 0.124                  | 0.13                 |
| 4                 | WLAN5.8G | 802.11ac VHT80 | Top Side      | 0                        | 155     | Ant 0+1         | 100.00     | 1.00         | 18.50                    | 18.25                          | 1.06           | -0.09            | 1.12                   | 1.19                 |
|                   | WLAN5.8G | 802.11ac VHT80 | Bottom Side   | 0                        | 155     | Ant 0+1         | 100.00     | 1.00         | 18.50                    | 18.25                          | 1.06           | -0.09            | 0.107                  | 0.11                 |
|                   | WLAN5.8G | 802.11ac VHT80 | Top Side      | 0                        | 155     | Ant 0+1         | 100.00     | 1.00         | 18.50                    | 18.25                          | 1.06           | 0.05             | 1.05                   | 1.11                 |
|                   |          |                |               |                          |         |                 |            |              |                          |                                |                |                  |                        | -                    |

## Tablet SAR Test Result

| System & Position |      |      |               |                          |         | DUT & Accessory | SAR        |              |                          |                                |                |                  |                        |                      |
|-------------------|------|------|---------------|--------------------------|---------|-----------------|------------|--------------|--------------------------|--------------------------------|----------------|------------------|------------------------|----------------------|
| Plot No.          | Band | Mode | Test Position | Separation Distance (mm) | Channel | Ant Status      | Duty Cycle | Crest Factor | Max. Tune-up Power (dBm) | Measured Conducted Power (dBm) | Scaling Factor | Power Drift (dB) | Measured SAR-1g (W/kg) | Scaled SAR-1g (W/kg) |
|                   | BT   | BDR  | Rear Face     | 0                        | 0       | Ant 1           | 76.53      | 1.31         | 11.50                    | 10.10                          | 1.38           | 0                | <0.001                 | 0.00                 |
|                   | BT   | BDR  | Left Side     | 0                        | 0       | Ant 1           | 76.53      | 1.31         | 11.50                    | 10.10                          | 1.38           | 0                | <0.001                 | 0.00                 |
|                   | BT   | BDR  | Right Side    | 0                        | 0       | Ant 1           | 76.53      | 1.31         | 11.50                    | 10.10                          | 1.38           | 0                | <0.001                 | 0.00                 |
|                   | BT   | BDR  | Top Side      | 0                        | 0       | Ant 1           | 76.53      | 1.31         | 11.50                    | 10.10                          | 1.38           | -0.04            | 0.061                  | 0.11                 |
|                   | BT   | BDR  | Bottom Side   | 0                        | 0       | Ant 1           | 76.53      | 1.31         | 11.50                    | 10.10                          | 1.38           | 0                | <0.001                 | 0.00                 |
|                   | BT   | BDR  | Top Side      | 0                        | 39      | Ant 1           | 76.53      | 1.31         | 11.50                    | 9.85                           | 1.46           | 0.11             | 0.051                  | 0.10                 |
| 5                 | BT   | BDR  | Top Side      | 0                        | 78      | Ant 1           | 76.53      | 1.31         | 11.50                    | 9.73                           | 1.50           | -0.04            | 0.083                  | 0.16                 |
|                   |      |      |               |                          |         |                 |            |              |                          |                                |                |                  |                        |                      |

## Laptop SAR Test Result

| System & Position |          |         |                 |                          |         | DUT & Accessory | SAR        |              |                          |                                |                |                  |                        |                      |
|-------------------|----------|---------|-----------------|--------------------------|---------|-----------------|------------|--------------|--------------------------|--------------------------------|----------------|------------------|------------------------|----------------------|
| Plot No.          | Band     | Mode    | Test Position   | Separation Distance (mm) | Channel | Ant Status      | Duty Cycle | Crest Factor | Max. Tune-up Power (dBm) | Measured Conducted Power (dBm) | Scaling Factor | Power Drift (dB) | Measured SAR-1g (W/kg) | Scaled SAR-1g (W/kg) |
|                   | WLAN2.4G | 802.11b | Bottom          | 0                        | 6       | Ant 0           | 100.00     | 1.00         | 19.00                    | 18.97                          | 1.01           | 0                | <0.001                 | 0.00                 |
|                   | WLAN2.4G | 802.11b | Bottom          | 0                        | 6       | Ant 1           | 100.00     | 1.00         | 19.00                    | 18.96                          | 1.01           | 0                | <0.001                 | 0.00                 |
|                   | WLAN2.4G | 802.11b | Bottom          | 0                        | 6       | Ant 0+1         | 100.00     | 1.00         | 22.00                    | 21.97                          | 1.01           | 0                | <0.001                 | 0.00                 |
|                   | WLAN2.4G | 802.11b | Bottom          | 0                        | 1       | Ant 0+1         | 100.00     | 1.00         | 22.00                    | 21.94                          | 1.01           | 0                | <0.001                 | 0.00                 |
|                   | WLAN2.4G | 802.11b | Bottom          | 0                        | 11      | Ant 0+1         | 100.00     | 1.00         | 22.00                    | 21.57                          | 1.10           | 0                | <0.001                 | 0.00                 |
|                   | WLAN2.4G | 802.11b | Bottom          | 0                        | 12      | Ant 0+1         | 100.00     | 1.00         | 18.50                    | 18.30                          | 1.05           | 0                | <0.001                 | 0.00                 |
|                   | WLAN2.4G | 802.11b | Bottom          | 0                        | 13      | Ant 0+1         | 100.00     | 1.00         | 12.00                    | 11.83                          | 1.04           | 0                | <0.001                 | 0.00                 |
| 6                 | WLAN2.4G | 802.11b | Lid Closed Mode | 0                        | 6       | Ant 0+1         | 100.00     | 1.00         | 22.00                    | 21.97                          | 1.01           | -0.1             | 0.103                  | 0.10                 |
|                   |          |         |                 |                          |         |                 |            |              |                          |                                |                |                  |                        |                      |
|                   | WLAN5.3G | 802.11a | Bottom          | 0                        | 52      | Ant 0           | 100.00     | 1.00         | 17.50                    | 17.42                          | 1.02           | 0                | <0.001                 | 0.00                 |
|                   | WLAN5.3G | 802.11a | Bottom          | 0                        | 52      | Ant 1           | 100.00     | 1.00         | 17.50                    | 17.41                          | 1.02           | 0                | <0.001                 | 0.00                 |
|                   | WLAN5.3G | 802.11a | Bottom          | 0                        | 52      | Ant 0+1         | 100.00     | 1.00         | 17.50                    | 17.11                          | 1.09           | 0                | <0.001                 | 0.00                 |
|                   | WLAN5.3G | 802.11a | Bottom          | 0                        | 56      | Ant 0           | 100.00     | 1.00         | 17.50                    | 17.39                          | 1.03           | 0                | <0.001                 | 0.00                 |
|                   | WLAN5.3G | 802.11a | Bottom          | 0                        | 60      | Ant 0           | 100.00     | 1.00         | 17.50                    | 17.23                          | 1.06           | 0                | <0.001                 | 0.00                 |
|                   | WLAN5.3G | 802.11a | Bottom          | 0                        | 64      | Ant 0           | 100.00     | 1.00         | 15.50                    | 15.11                          | 1.09           | 0                | <0.001                 | 0.00                 |
| 7                 | WLAN5.3G | 802.11a | Lid Closed Mode | 0                        | 56      | Ant 0           | 100.00     | 1.00         | 17.50                    | 17.39                          | 1.03           | -0.06            | 0.236                  | 0.24                 |
|                   |          |         |                 |                          |         |                 |            |              |                          |                                |                |                  |                        |                      |
|                   | WLAN5.6G | 802.11a | Bottom          | 0                        | 116     | Ant 0           | 100.00     | 1.00         | 18.50                    | 18.49                          | 1.00           | 0                | <0.001                 | 0.00                 |
|                   | WLAN5.6G | 802.11a | Bottom          | 0                        | 116     | Ant 1           | 100.00     | 1.00         | 18.50                    | 18.49                          | 1.00           | 0                | <0.001                 | 0.00                 |
|                   | WLAN5.6G | 802.11a | Bottom          | 0                        | 116     | Ant 0+1         | 100.00     | 1.00         | 18.50                    | 18.36                          | 1.03           | 0                | <0.001                 | 0.00                 |
|                   | WLAN5.6G | 802.11a | Bottom          | 0                        | 100     | Ant 1           | 100.00     | 1.00         | 16.50                    | 16.38                          | 1.03           | 0                | <0.001                 | 0.00                 |
|                   | WLAN5.6G | 802.11a | Bottom          | 0                        | 120     | Ant 1           | 100.00     | 1.00         | 18.50                    | 18.22                          | 1.07           | 0                | <0.001                 | 0.00                 |
|                   | WLAN5.6G | 802.11a | Bottom          | 0                        | 124     | Ant 1           | 100.00     | 1.00         | 18.50                    | 18.28                          | 1.05           | 0                | <0.001                 | 0.00                 |
|                   | WLAN5.6G | 802.11a | Bottom          | 0                        | 132     | Ant 1           | 100.00     | 1.00         | 18.50                    | 18.31                          | 1.04           | 0                | <0.001                 | 0.00                 |
|                   | WLAN5.6G | 802.11a | Bottom          | 0                        | 140     | Ant 1           | 100.00     | 1.00         | 17.50                    | 17.18                          | 1.08           | 0                | <0.001                 | 0.00                 |
|                   | WLAN5.6G | 802.11a | Bottom          | 0                        | 144     | Ant 1           | 100.00     | 1.00         | 18.50                    | 18.47                          | 1.01           | 0                | <0.001                 | 0.00                 |
| 8                 | WLAN5.6G | 802.11a | Lid Closed Mode | 0                        | 132     | Ant 1           | 100.00     | 1.00         | 18.50                    | 18.31                          | 1.04           | 0.02             | 0.603                  | 0.63                 |
|                   |          |         |                 |                          |         |                 |            |              |                          |                                |                |                  |                        |                      |
|                   | WLAN5.8G | 802.11a | Bottom          | 0                        | 153     | Ant 0           | 100.00     | 1.00         | 20.00                    | 19.92                          | 1.02           | 0                | <0.001                 | 0.00                 |
|                   | WLAN5.8G | 802.11a | Bottom          | 0                        | 153     | Ant 1           | 100.00     | 1.00         | 20.00                    | 19.99                          | 1.00           | 0                | <0.001                 | 0.00                 |
|                   | WLAN5.8G | 802.11a | Bottom          | 0                        | 153     | Ant 0+1         | 100.00     | 1.00         | 20.00                    | 19.99                          | 1.00           | 0                | <0.001                 | 0.00                 |
|                   | WLAN5.8G | 802.11a | Bottom          | 0                        | 149     | Ant 0           | 100.00     | 1.00         | 20.00                    | 19.58                          | 1.10           | 0                | <0.001                 | 0.00                 |
|                   | WLAN5.8G | 802.11a | Bottom          | 0                        | 157     | Ant 0           | 100.00     | 1.00         | 20.00                    | 19.65                          | 1.08           | 0                | <0.001                 | 0.00                 |
|                   | WLAN5.8G | 802.11a | Bottom          | 0                        | 161     | Ant 0           | 100.00     | 1.00         | 20.00                    | 19.77                          | 1.05           | 0                | <0.001                 | 0.00                 |
|                   | WLAN5.8G | 802.11a | Bottom          | 0                        | 165     | Ant 0           | 100.00     | 1.00         | 20.00                    | 19.73                          | 1.06           | 0                | <0.001                 | 0.00                 |
| 9                 | WLAN5.8G | 802.11a | Lid Closed Mode | 0                        | 153     | Ant 0           | 100.00     | 1.00         | 20.00                    | 19.92                          | 1.02           | -0.07            | 0.79                   | 0.81                 |
|                   |          |         |                 |                          |         |                 |            |              |                          |                                |                |                  |                        | -                    |
|                   | BT       | BDR     | Bottom          | 0                        | 0       | Ant 1           | 76.53      | 1.31         | 11.50                    | 10.10                          | 1.38           | 0                | <0.001                 | 0.00                 |
|                   | BT       | BDR     | Bottom          | 0                        | 39      | Ant 1           | 76.53      | 1.31         | 11.50                    | 9.85                           | 1.46           | 0                | <0.001                 | 0.00                 |
|                   | BT       | BDR     | Bottom          | 0                        | 78      | Ant 1           | 76.53      | 1.31         | 11.50                    | 9.73                           | 1.50           | 0                | <0.001                 | 0.00                 |
| 10                | BT       | BDR     | Lid Closed Mode | 0                        | 0       | Ant 1           | 76.53      | 1.31         | 11.50                    | 10.10                          | 1.38           | 0                | <0.001                 | 0.00                 |
|                   |          |         |                 |                          |         |                 |            |              |                          |                                |                |                  |                        |                      |

## **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 |
| R02        | WLAN5.3G | 802.11n HT40   | Top Side        | 54  | 1.03                            | 1.01                       | 1.02      |
| R03        | WLAN5.6G | 802.11ac VHT80 | Top Side        | 138 | 1.08                            | 1.02                       | 1.06      |
| R04        | WLAN5.8G | 802.11ac VHT80 | Top Side        | 155 | 1.12                            | 1.05                       | 1.07      |
| R09        | WLAN5.8G | 802.11a        | Lid Closed Mode | 153 | 0.927                           | 0.911                      | 1.02      |

## **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                           | WLAN2.4G_Ant 0+BT_Ant 1         | Yes                     |
| B                           | WLAN5G_Ant 0+BT_Ant 1           | Yes                     |
| C                           | WLAN5G_Ant 0+1+BT_Ant 1         | Yes                     |

#### Notes

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

| Simultaneous Transmission SAR Evaluation (Body) |                         |                    |                      |                |                                     |                                     |                                     |
|-------------------------------------------------|-------------------------|--------------------|----------------------|----------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Position                                        | 1                       | 2                  | 3                    | 4              | A(1+4)                              | B(2+4)                              | C(3+4)                              |
|                                                 | WLAN<br>2.4GHz Ant<br>0 | WLAN 5GHz<br>Ant 0 | WLAN 5GHz<br>Ant 0+1 | BT Ant 1       | Summimg<br>result<br>1g SAR<br>W/kg | Summimg<br>result<br>1g SAR<br>W/kg | Summimg<br>result<br>1g SAR<br>W/kg |
|                                                 | 1g SAR<br>W/kg          | 1g SAR<br>W/kg     | 1g SAR<br>W/kg       | 1g SAR<br>W/kg |                                     |                                     |                                     |
| Rear Face                                       | 0.19                    | 0.37               | 0.33                 | 0.00           | 0.19                                | 0.37                                | 0.33                                |
| Left Side                                       | 0.09                    | 0.12               | 0.13                 | 0.00           | 0.09                                | 0.12                                | 0.13                                |
| Right Side                                      | 0.00                    | 0.00               | 0.13                 | 0.00           | 0.00                                | 0.00                                | 0.13                                |
| Top Side                                        | 0.51                    | 1.12               | 1.19                 | 0.16           | 0.67                                | 1.28                                | 1.35                                |
| Bottom Side                                     | 0.06                    | 0.08               | 0.11                 | 0.00           | 0.06                                | 0.08                                | 0.11                                |

| Simultaneous Transmission SAR Evaluation (Body) |                         |                    |                      |                |                                     |                                     |                                     |
|-------------------------------------------------|-------------------------|--------------------|----------------------|----------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Position                                        | 1                       | 2                  | 3                    | 4              | A(1+4)                              | B(2+4)                              | C(3+4)                              |
|                                                 | WLAN<br>2.4GHz Ant<br>0 | WLAN 5GHz<br>Ant 0 | WLAN 5GHz<br>Ant 0+1 | BT Ant 1       | Summimg<br>result<br>1g SAR<br>W/kg | Summimg<br>result<br>1g SAR<br>W/kg | Summimg<br>result<br>1g SAR<br>W/kg |
|                                                 | 1g SAR<br>W/kg          | 1g SAR<br>W/kg     | 1g SAR<br>W/kg       | 1g SAR<br>W/kg |                                     |                                     |                                     |
| Bottom                                          | 0.00                    | 0.00               | 0.00                 | 0.00           | 0.00                                | 0.00                                | 0.00                                |
| Lip Closed Mode                                 | 0.00                    | 0.95               | 0.00                 | 0.00           | 0.00                                | 0.95                                | 0.00                                |

## **Annex I. SAR to Peak Location Separation Ratio Analysis.**

Since sum of simultaneous transmission SAR is less than the SAR limit for Body / Head : SAR<sub>1g</sub> 1.6 W/kg ;  
Extremity SAR<sub>10g</sub> 4.0 W/kg. There is no requirement for SAR to Peak Location Separation Ratio Analysis.

## 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 | 1 Year        |
| Dosimetric E-Field Probe     | SPEAG        | EX3DV4            | 7537       | Apr. 26, 2021 | 1 Year        |
| Dosimetric E-Field Probe     | SPEAG        | EX3DV4            | 3578       | Jun. 23, 2021 | 1 Year        |
| Data Acquisition Electronics | SPEAG        | DAE4              | 1585       | Apr. 15, 2021 | 1 Year        |
| Data Acquisition Electronics | SPEAG        | DAE4              | 1590       | Sep. 20, 2021 | 1 Year        |
| Spectrum Analyzer            | R&S          | FSL6              | 102006     | Apr. 06, 2021 | 1 Year        |
| Universal Wireless Test Set  | Anritsu      | MT8870A/MU887000A | 6201699387 | Sep. 22, 2021 | 1 Year        |
| Thermometer                  | YFE          | YF-160A           | 191100743  | Apr. 12, 2021 | 1 Year        |
| Dielectric Assessment Kit    | SPEAG        | DAKS-3.5          | 1151       | Jul. 14, 2021 | 1 Year        |
| Powersource1                 | SPEAG        | SE_UMS_160 BA     | 4010       | Jul. 13, 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.

$$\text{Duty Factor} = \text{Pulse Width} / \text{Total Period} = (10.94 - 8.07) / (11.82 - 8.07) = 76.53\%$$

## **Annex L. Verifying the Mechanism Operation of Gravity-sensor**

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

Note: Only WLAN 5G 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\_Ant0+1\_Ch155)

## 1.Hall Effect and Gravity-Sensor

|                        |                                                                                                                                             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |  |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|--|
| Orientation 1          | <A> From the lid in closed mode (0 degrees), open the screen in 10 degree steps 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                                                                                                                                       | 20.44 | 20.43 | 20.42 | 20.43 | 20.42 |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |  |
| Range of trigger angle | <B> Lower the screen by 5 degrees increments to verify that the “closed mode” is triggered.                                                 |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |  |
| 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                                                                                                                                       |       |       |       |       |       |       | 20.41 | 20.39 | 20.42 |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |  |
|                        | <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                                                                                                                                       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 20.41 | 20.38 | 20.39 | 20.42 | 20.41 | 20.37 |     |  |
|                        | <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                                                                                                                                       |       |       |       | 20.37 | 20.35 | 20.36 | 20.36 |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 20.38 | 20.35 | 20.34 | 18.43 | 18.41 | 18.43 | 18.42 | 18.41 | 18.39 | 18.38 | 18.39 | 18.41 | 18.44 | 18.42 | 18.41 |     |  |
| Orientation 2          | <A> From Tablet 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                                                                                                                                       | 18.41 | 18.38 | 18.42 | 18.39 | 18.41 | 18.37 | 18.39 | 18.42 | 18.39 | 18.38 | 18.43 | 18.41 | 20.36 |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |  |
| Range of trigger angle | <B> Move back by 5 degree, until Tablet 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                                                                                                                                       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 18.43 | 20.43 |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |  |
|                        | <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                                                                                                                                       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 18.43 | 18.42 | 18.41 | 18.38 | 18.43 | 20.43 | 20.41 | 20.39 | 20.42 | 20.38 | 20.39 |       |       |       |       |       |       |       |       |     |  |
|                        | <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                                                                                                                                       |       |       |       |       |       |       |       |       |       |       |       |       | 20.43 | 20.44 | 20.42 | 20.41 | 20.42 | 20.39 | 20.37 | 20.43 | 20.41 | 20.39 | 20.4  | 20.41 | 20.39 | 20.37 | 20.39 | 20.41 | 20.42 | 20.43 | 20.41 | 20.43 | 20.41 | 20.39 |       |       |     |  |