

### Appendix A. Plots of System Verification

The plots for system verification are shown as follows.

## Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/12/26

### S07 System Check\_H2450\_221226

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

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

Medium: H06T27N1\_1226 Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.807$  S/m;  $\epsilon_r = 39.297$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.1 °C ; Liquid Temperature : 22.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7472; ConvF(7.89, 7.89, 7.89) @ 2450 MHz; Calibrated: 2022/05/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2022/06/01
- Phantom: ELI Phantom\_2118; Type: QD OVA 004 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

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

Maximum value of SAR (interpolated) = 4.15 W/kg

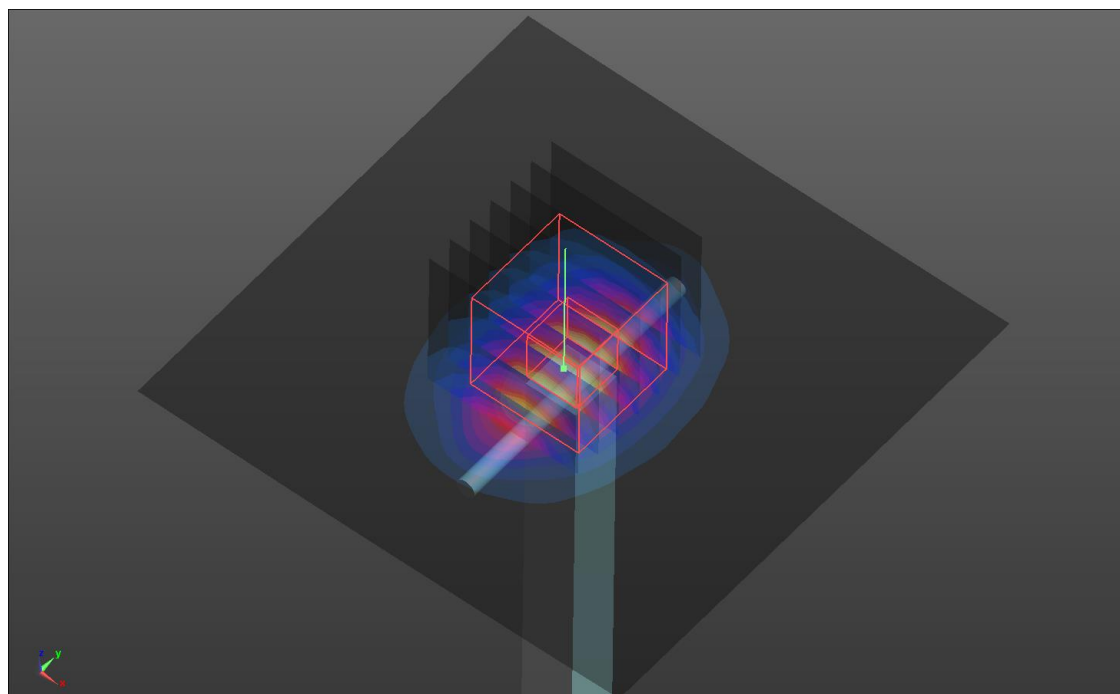
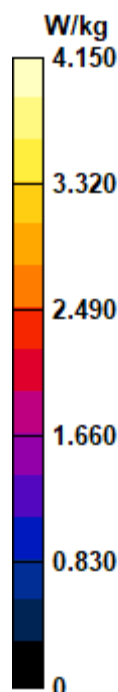
**Pin=50mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 48.95 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 5.19 W/kg

**SAR(1 g) = 2.43 W/kg; SAR(10 g) = 1.13 W/kg** (SAR corrected for target medium)

Maximum value of SAR (measured) = 4.14 W/kg



## Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2023/02/24

### S08 System Check\_H5250\_230224

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

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

Medium: H51T72N5\_0224 Medium parameters used:  $f = 5250$  MHz;  $\sigma = 4.58$  S/m;  $\epsilon_r = 37.58$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.5 °C ; Liquid Temperature : 20.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7472; ConvF(5.89, 5.89, 5.89) @ 5250 MHz; Calibrated: 2022/05/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2022/06/01
- Phantom: ELI Phantom\_2118; Type: QD OVA 004 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

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

Maximum value of SAR (interpolated) = 8.85 W/kg

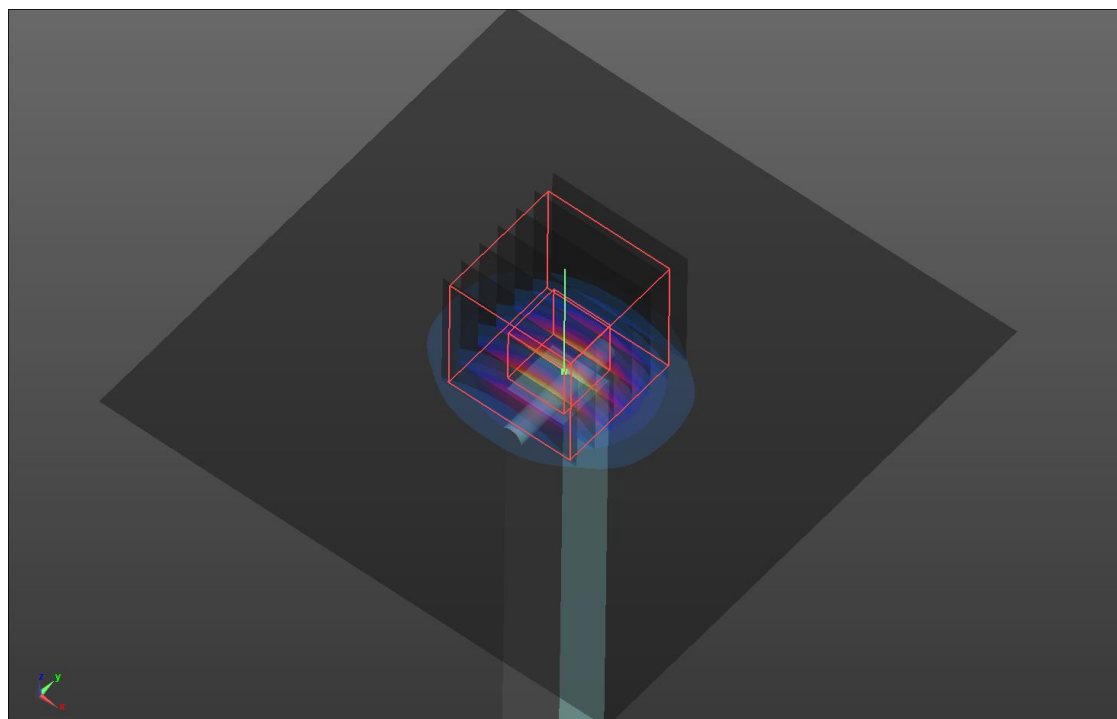
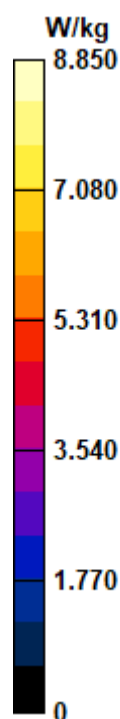
**Pin=50mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 49.73 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 14.3 W/kg

**SAR(1 g) = 3.72 W/kg; SAR(10 g) = 1.08 W/kg** (SAR corrected for target medium)

Maximum value of SAR (measured) = 9.19 W/kg



## Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2023/02/24

### S09 System Check\_H5600\_230224

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

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

Medium: H51T72N5\_0224 Medium parameters used:  $f = 5600$  MHz;  $\sigma = 4.981$  S/m;  $\epsilon_r = 36.98$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.5 °C ; Liquid Temperature : 20.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7472; ConvF(5.04, 5.04, 5.04) @ 5600 MHz; Calibrated: 2022/05/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2022/06/01
- Phantom: ELI Phantom\_2118; Type: QD OVA 004 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

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

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

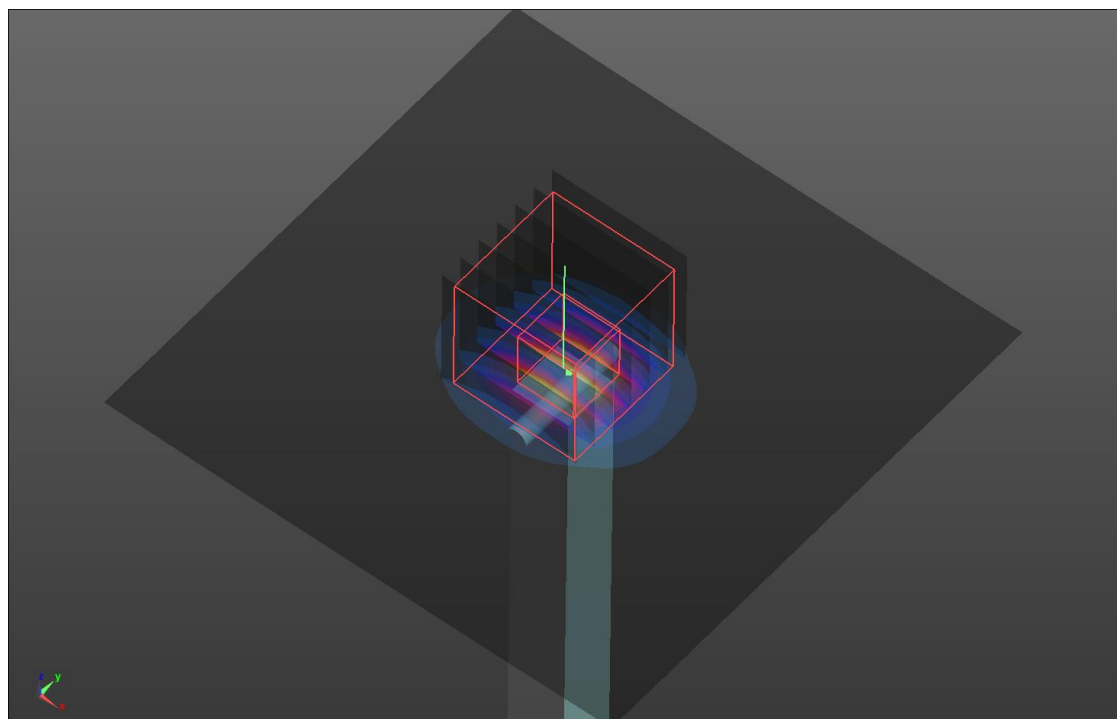
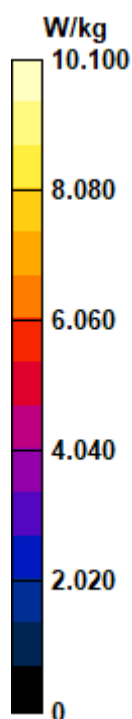
**Pin=50mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 50.78 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 17.2 W/kg

**SAR(1 g) = 4.14 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: 2022/12/27

### S10 System Check\_H5750\_221227

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

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

Medium: H51T72N3\_1227 Medium parameters used:  $f = 5750$  MHz;  $\sigma = 5.12$  S/m;  $\epsilon_r = 36.673$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.3 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7537; ConvF(4.97, 4.97, 4.97) @ 5750 MHz; Calibrated: 2022/04/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2022/04/21
- Phantom: ELI Phantom\_1245; Type: QDOVA002AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

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

Maximum value of SAR (interpolated) = 9.49 W/kg

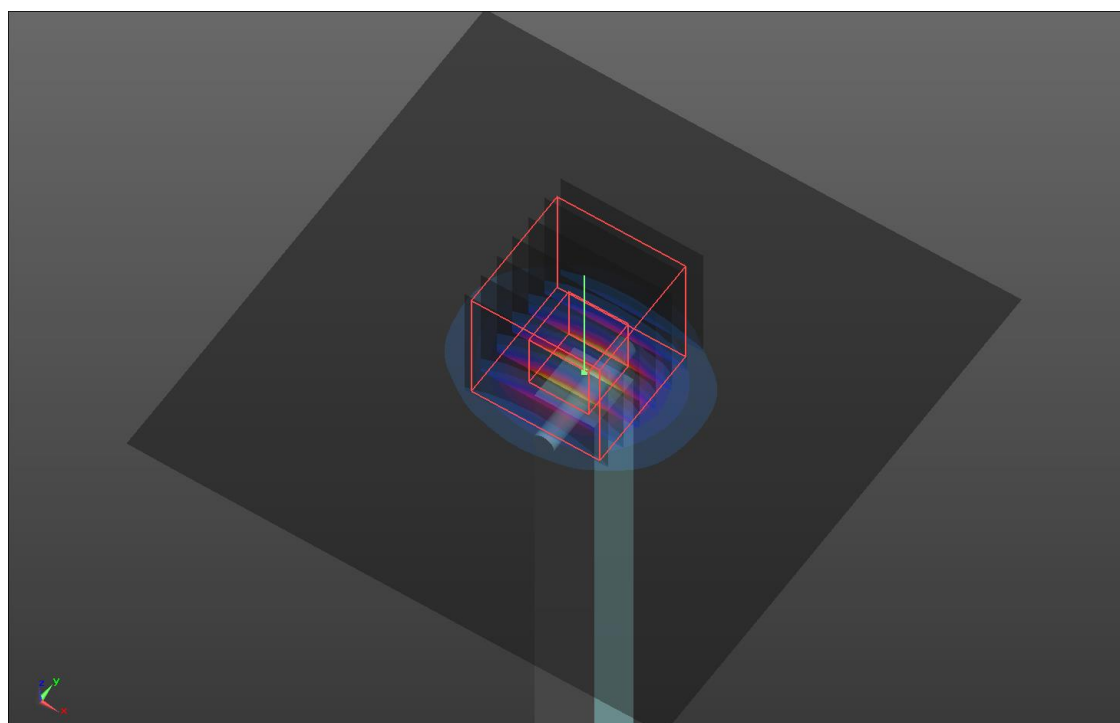
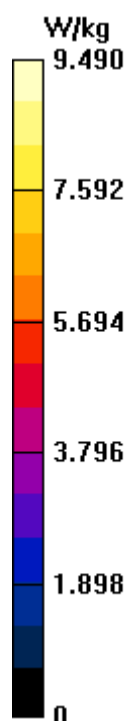
**Pin=50mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

Reference Value = 48.76 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 17.5 W/kg

**SAR(1 g) = 3.89 W/kg; SAR(10 g) = 1.12 W/kg** (SAR corrected for target medium)

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



## Plots of System Verification

### Measurement Report

S11a System Check\_H5750\_230302

### Device under Test Properties

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

### Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|------|------------|---------------------------------|-------------------|------------------------|------------------|
| Flat,                | ,                            |      |            | 5750                            | 4.79              | 4.88                   | 34.0             |

### Hardware Setup

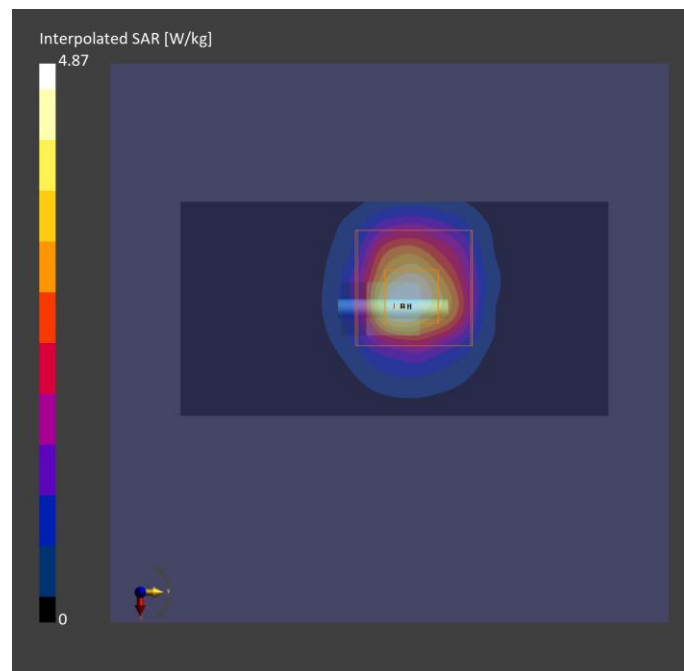
| Phantom                            | TSL, Measured Date     | Probe, Calibration Date     | DAE, Calibration Date   |
|------------------------------------|------------------------|-----------------------------|-------------------------|
| ELI V5.0 (20deg probe tilt) - 2105 | H51T72N6 , 2023-Mar-02 | EX3DV4 – SN7554, 2022-07-28 | DAE4 Sn1341, 2022-07-19 |

### Scan Setup

|                     | Area Scan   | Zoom Scan          |
|---------------------|-------------|--------------------|
| Grid Extents [mm]   | 40.0 x 80.0 | 24.0 x 24.0 x 22.0 |
| Grid Steps [mm]     | 10.0 x 10.0 | 4.0 x 4.0 x 1.4    |
| Sensor Surface [mm] | 3.0         | 1.4                |

### Measurement Results

|                    | Area Scan  | Zoom Scan  |
|--------------------|------------|------------|
| Date               | 2023-03-02 | 2023-03-02 |
| psSAR1g [W/kg]     | 3.48       | 3.77       |
| psSAR10g [W/kg]    | 1.11       | 1.14       |
| Power Drift [dB]   | -0.14      | 0.10       |
| M2/M1 [%]          |            | 61.8       |
| Dist 3dB Peak [mm] |            | 7.2        |



## Plots of System Verification

### Measurement Report

S11b System Check H6.5GHz\_230302

### Device under Test Properties

| Model, Manufacturer | Dimensions [mm]   | IMEI | DUT Type |
|---------------------|-------------------|------|----------|
| Dipole,             | 50.0 x 10.0 x 8.0 |      | 6500     |

### Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|------|------------|---------------------------------|-------------------|------------------------|------------------|
| Flat, HSL            | ,                            |      | ,          | 6500.0, 0                       | 5.65              | 5.97                   | 34.4             |

### Hardware Setup

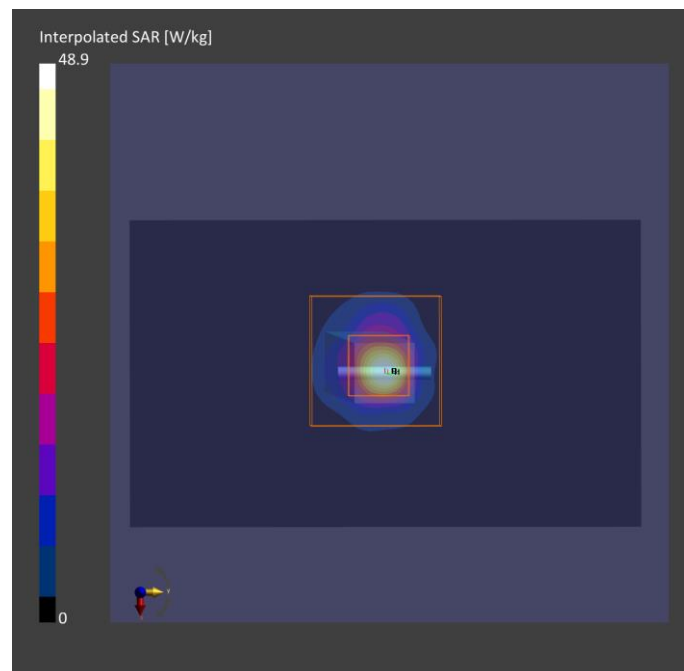
| Phantom                            | TSL, Measured Date     | Probe, Calibration Date     | DAE, Calibration Date   |
|------------------------------------|------------------------|-----------------------------|-------------------------|
| ELI V5.0 (20deg probe tilt) - 2105 | H51T72N6 , 2023-Mar-02 | EX3DV4 – SN7554, 2022-07-28 | DAE4 Sn1341, 2022-07-19 |

### Scan Setup

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

### Measurement Results

|                            | Area Scan  | Zoom Scan  |
|----------------------------|------------|------------|
| Date                       | 2023-03-02 | 2023-03-02 |
| psSAR1g [W/kg]             | 25.1       | 29.7       |
| psSAR10g [W/kg]            | 5.03       | 5.38       |
| psPDab (1.0cm2, sq) [W/m2] |            | 298        |
| psPDab (4.0cm2, sq) [W/m2] |            | 131        |
| Power Drift [dB]           | 0.02       | -0.03      |
| M2/M1 [%]                  |            | 51.8       |
| Dist 3dB Peak [mm]         |            | 4.5        |



## Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/12/26

### S12 System Check\_H2450\_221226

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

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

Medium: H06T27N1\_1226 Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.807$  S/m;  $\epsilon_r = 39.297$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.1 °C ; Liquid Temperature : 22.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7472; ConvF(7.89, 7.89, 7.89) @ 2450 MHz; Calibrated: 2022/05/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2022/06/01
- Phantom: ELI Phantom\_2118; Type: QD OVA 004 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

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

Maximum value of SAR (interpolated) = 4.15 W/kg

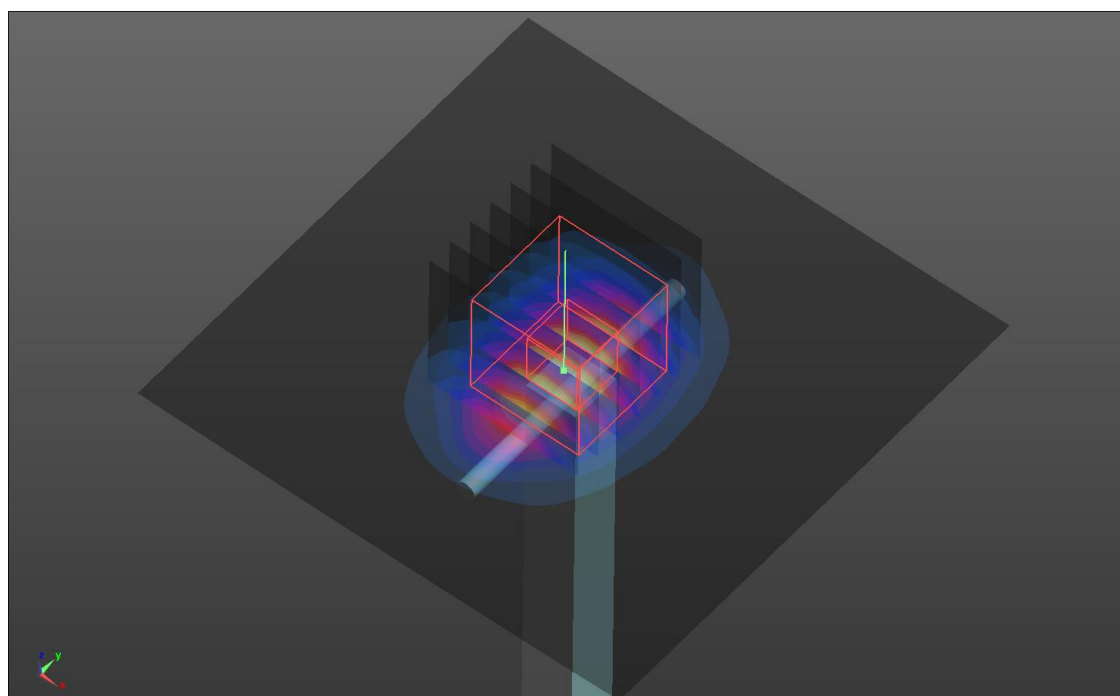
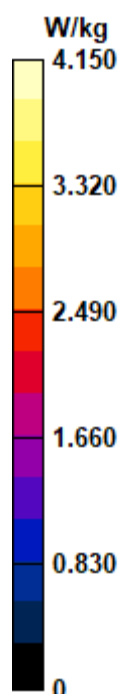
**Pin=50mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 48.95 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 5.19 W/kg

**SAR(1 g) = 2.43 W/kg; SAR(10 g) = 1.13 W/kg** (SAR corrected for target medium)

Maximum value of SAR (measured) = 4.14 W/kg



## Plots of System Verification

### Measurement Report

S14 System Check\_H6.5GHz\_221227

### Device under Test Properties

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

### Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|------|------------|---------------------------------|-------------------|------------------------|------------------|
| Flat, HSL            | ,                            |      | ,          | 6500.0, 0                       | 5.45              | 5.97                   | 33.7             |

### Hardware Setup

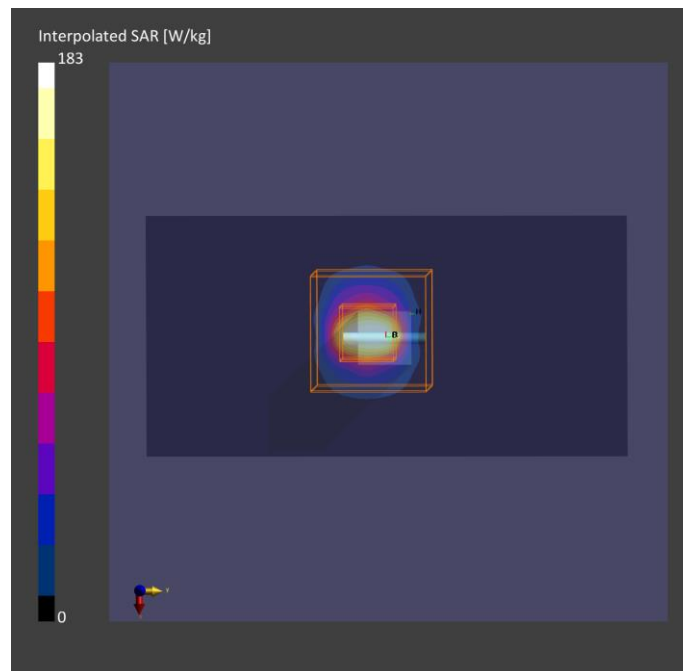
| Phantom                            | TSL, Measured Date    | Probe, Calibration Date     | DAE, Calibration Date   |
|------------------------------------|-----------------------|-----------------------------|-------------------------|
| ELI V5.0 (20deg probe tilt) - 1245 | H51T72N3, 2022-Dec-27 |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

### Scan Setup

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

### Measurement Results

|                           | Area Scan  | Zoom Scan  |
|---------------------------|------------|------------|
| Date                      | 2022-12-27 | 2022-12-27 |
| psSAR1g [W/kg]            | 23.5       | 29.3       |
| psSAR10g [W/kg]           | 4.95       | 5.43       |
| psAPD (1.0cm2, sq) [W/m2] |            | 298        |
| psAPD (4.0cm2, sq) [W/m2] |            | 132        |
| Power Drift [dB]          | 0.11       | 0.05       |
| M2/M1 [%]                 |            | 53.9       |
| Dist 3dB Peak [mm]        |            | 5.5        |



## Plots of System Verification

### Measurement Report

S14 PD\_System Check\_10 GHz\_221229

### Device under Test Properties

| Model, Manufacturer                     | Dimensions [mm]       | IMEI     | DUT Type                |
|-----------------------------------------|-----------------------|----------|-------------------------|
| SPEAG, 5G Verification Source<br>10 GHz | 100.0 x 100.0 x 170.0 | SN: 1025 | 10G Verification Source |

### Exposure Conditions

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

### Hardware Setup

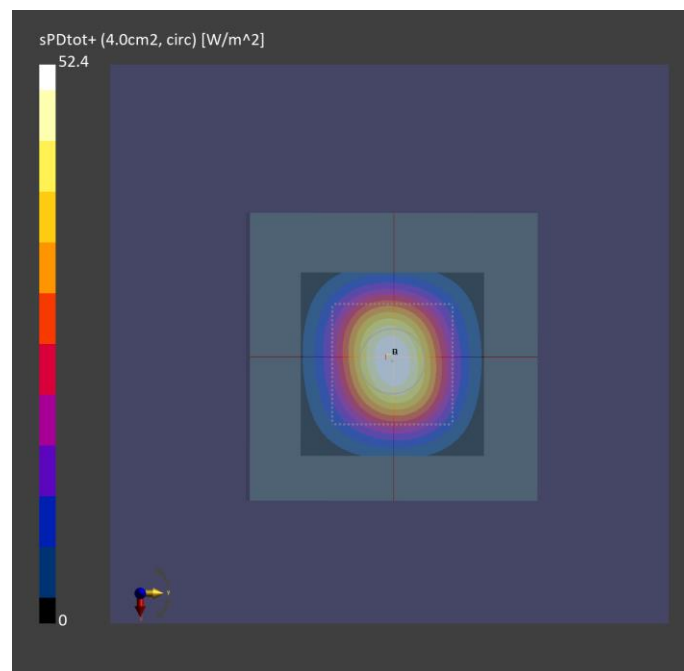
| Phantom      | Medium  | Probe, Calibration Date                  | DAE, Calibration Date   |
|--------------|---------|------------------------------------------|-------------------------|
| mmWave- 1029 | --Air-- | EUmmWV4 - SN9438_F1-55GHz,<br>2022-07-18 | DAE4 Sn1341, 2022-07-19 |

### Scan Setup

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

### Measurement Results

|                              | 5G Scan    |
|------------------------------|------------|
| Date                         | 2022-12-29 |
| Avg. Area [cm <sup>2</sup> ] | 4.00       |
| psPDn+ [W/m <sup>2</sup> ]   | 52.1       |
| psPDtot+ [W/m <sup>2</sup> ] | 52.4       |
| psPDmod+ [W/m <sup>2</sup> ] | 52.6       |
| E <sub>max</sub> [V/m]       | 146        |
| Power Drift [dB]             | -0.04      |



## Plots of System Verification

### Measurement Report

S15 System Check\_H6.5GHz\_230224

### Device under Test Properties

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

### Exposure Conditions

| Phantom<br>Section, TSL | Position, Test<br>Distance [mm] | Band | Group,<br>UID | Frequency<br>[MHz],<br>Channel Number | Conversion<br>Factor | TSL<br>Conductivity<br>[S/m] | TSL Permittivity |
|-------------------------|---------------------------------|------|---------------|---------------------------------------|----------------------|------------------------------|------------------|
| Flat,<br>HSL            |                                 |      |               | 6500                                  | 5.6                  | 6.07                         | 35.5             |

### Hardware Setup

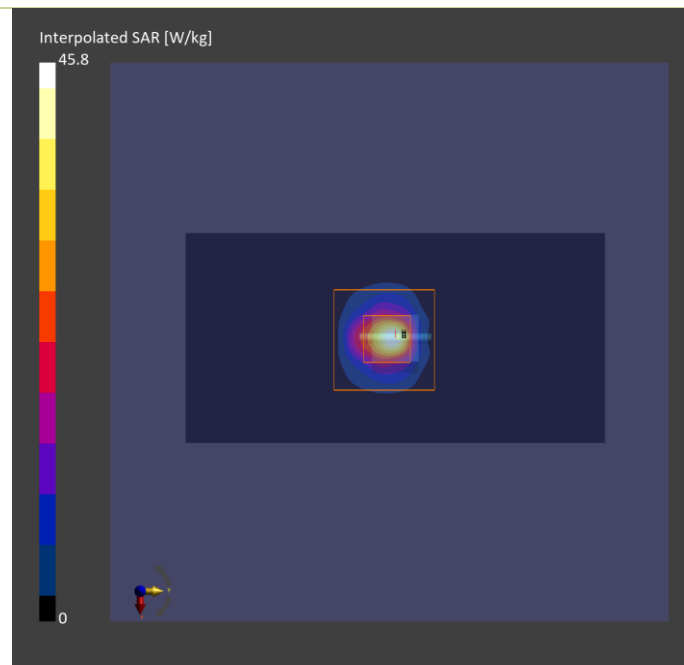
| Phantom                               | TSL, Measured Date     | Probe, Calibration Date     | DAE, Calibration Date  |
|---------------------------------------|------------------------|-----------------------------|------------------------|
| ELI V8.0 (20deg probe tilt) -<br>2118 | H50T72N1 , 2023-Feb-24 | EX3DV4 - SN7472, 2022-05-27 | DAE3 Sn579, 2022-06-01 |

### Scan Setup

|                        | Area Scan   | Zoom Scan          |
|------------------------|-------------|--------------------|
| Grid Extents [mm]      | 45.0 x 90.0 | 22.0 x 22.0 x 22.0 |
| Grid Steps [mm]        | 7.5 x 7.5   | 3.4 x 3.4 x 1.4    |
| Sensor Surface<br>[mm] | 3.0         | 1.4                |

### Measurement Results

|                           | Area Scan  | Zoom Scan  |
|---------------------------|------------|------------|
| Date                      | 2023-02-24 | 2023-02-24 |
| psSAR1g [W/kg]            | 25.0       | 28.6       |
| psSAR10g [W/kg]           | 4.93       | 5.29       |
| psAPD (1.0cm2, sq) [W/m2] |            | 286        |
| psAPD (4.0cm2, sq) [W/m2] |            | 132        |
| Power Drift [dB]          | -0.11      | -0.01      |



## Plots of System Verification

### Measurement Report

S15 PD\_System Check\_10 GHz\_2023.03.01

### Device under Test Properties

| Model, Manufacturer                     | Dimensions [mm]       | IMEI     | DUT Type                |
|-----------------------------------------|-----------------------|----------|-------------------------|
| SPEAG, 5G Verification Source<br>10 GHz | 100.0 x 100.0 x 170.0 | SN: 1025 | 10G Verification Source |

### Exposure Conditions

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

### Hardware Setup

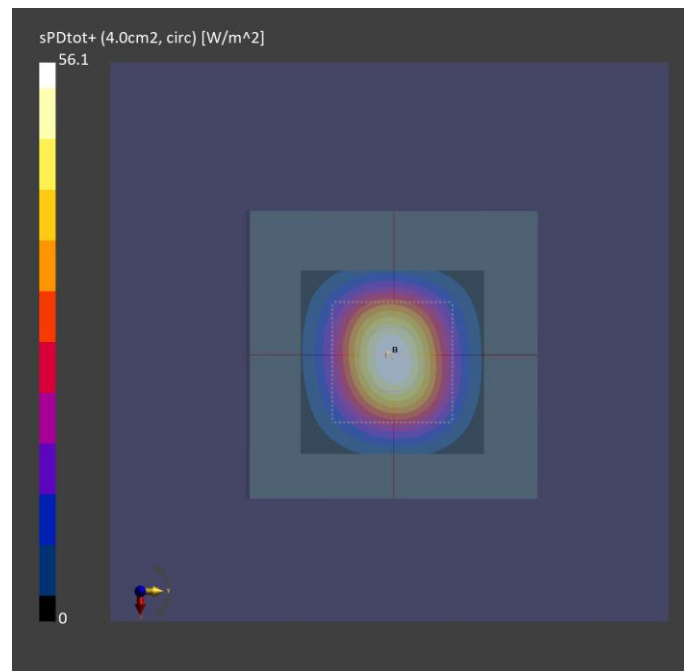
| Phantom      | Medium | Probe, Calibration Date                  | DAE, Calibration Date   |
|--------------|--------|------------------------------------------|-------------------------|
| mmWave- 1029 | ---Air | EUmmWV4 - SN9438_F1-55GHz,<br>2022-07-18 | DAE4 Sn1341, 2022-07-19 |

### Scan Setup

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

### Measurement Results

|                              | 5G Scan    |
|------------------------------|------------|
| Date                         | 2023-03-01 |
| Avg. Area [cm <sup>2</sup> ] | 4.00       |
| psPDn+ [W/m <sup>2</sup> ]   | 55.9       |
| psPDtot+ [W/m <sup>2</sup> ] | 56.1       |
| psPDmod+ [W/m <sup>2</sup> ] | 56.4       |
| E <sub>max</sub> [V/m]       | 151        |
| Power Drift [dB]             | -0.01      |



### Appendix B. Plots of Measurement

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

## Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/12/26

**P07 WLAN2.4G\_802.11b\_Bottom of Laptop\_0mm\_Ch6\_Ant 0+1**

**DUT: BDGE-WTW-P22120075**

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

Medium: H06T27N1\_1226 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.798$  S/m;  $\epsilon_r = 39.321$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.1 °C ; Liquid Temperature : 22.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7472; ConvF(7.89, 7.89, 7.89) @ 2437 MHz; Calibrated: 2022/05/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2022/06/01
- Phantom: ELI Phantom\_2118; Type: QD OVA 004 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Area Scan (91x371x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.322 W/kg

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

Reference Value = 13.42 V/m; Power Drift = 0.01 dB

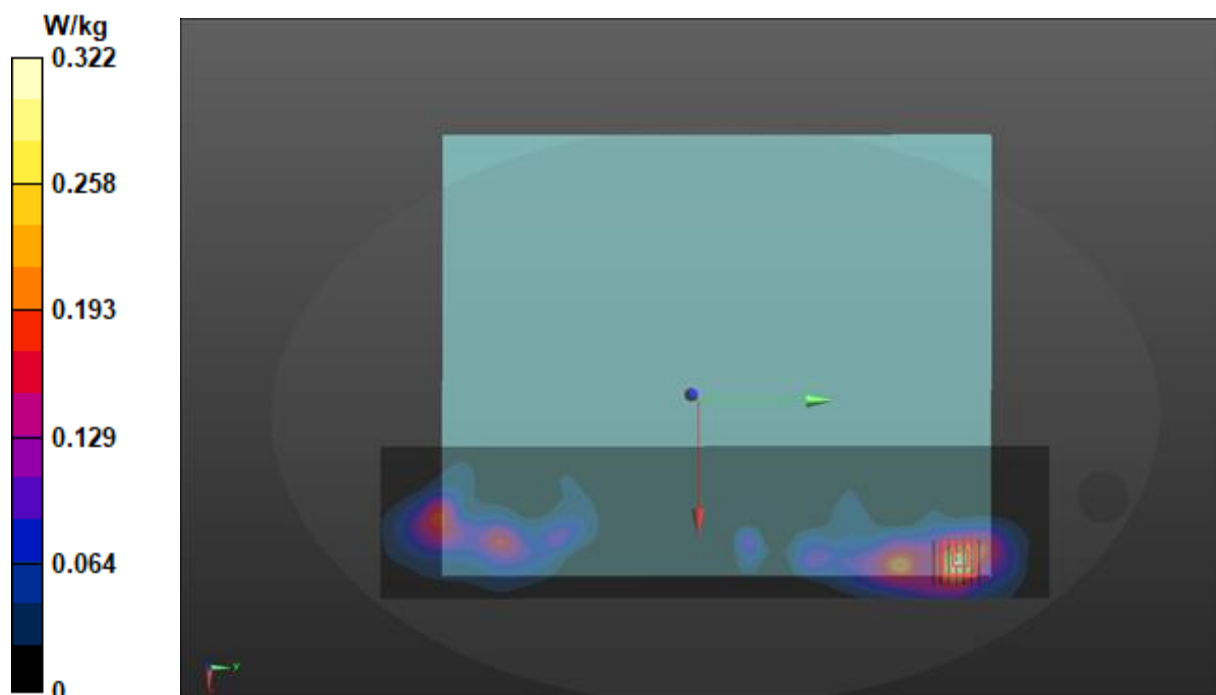
Peak SAR (extrapolated) = 0.428 W/kg

**SAR(1 g) = 0.234 W/kg; SAR(10 g) = 0.120 W/kg** (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 11.4 mm

Ratio of SAR at M2 to SAR at M1 = 55.7%

Maximum value of SAR (measured) = 0.355 W/kg



## Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2023/02/24

**P08 WLAN5.3G\_802.11a\_Bottom of Laptop\_0mm\_Ch56\_Ant 0+1**

**DUT: BDGE-WTW-P22120075**

Communication System: UID 10062 - CAD, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps); Frequency: 5280 MHz; Duty Cycle: 1:1.02

Medium: H51T72N5\_0224 Medium parameters used:  $f = 5280$  MHz;  $\sigma = 4.615$  S/m;  $\epsilon_r = 37.529$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.5 °C ; Liquid Temperature : 20.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7472; ConvF(5.89, 5.89, 5.89) @ 5280 MHz; Calibrated: 2022/05/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2022/06/01
- Phantom: ELI Phantom\_2118; Type: QD OVA 004 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Area Scan (101x441x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.182 W/kg

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

Reference Value = 5.648 V/m; Power Drift = 0.07 dB

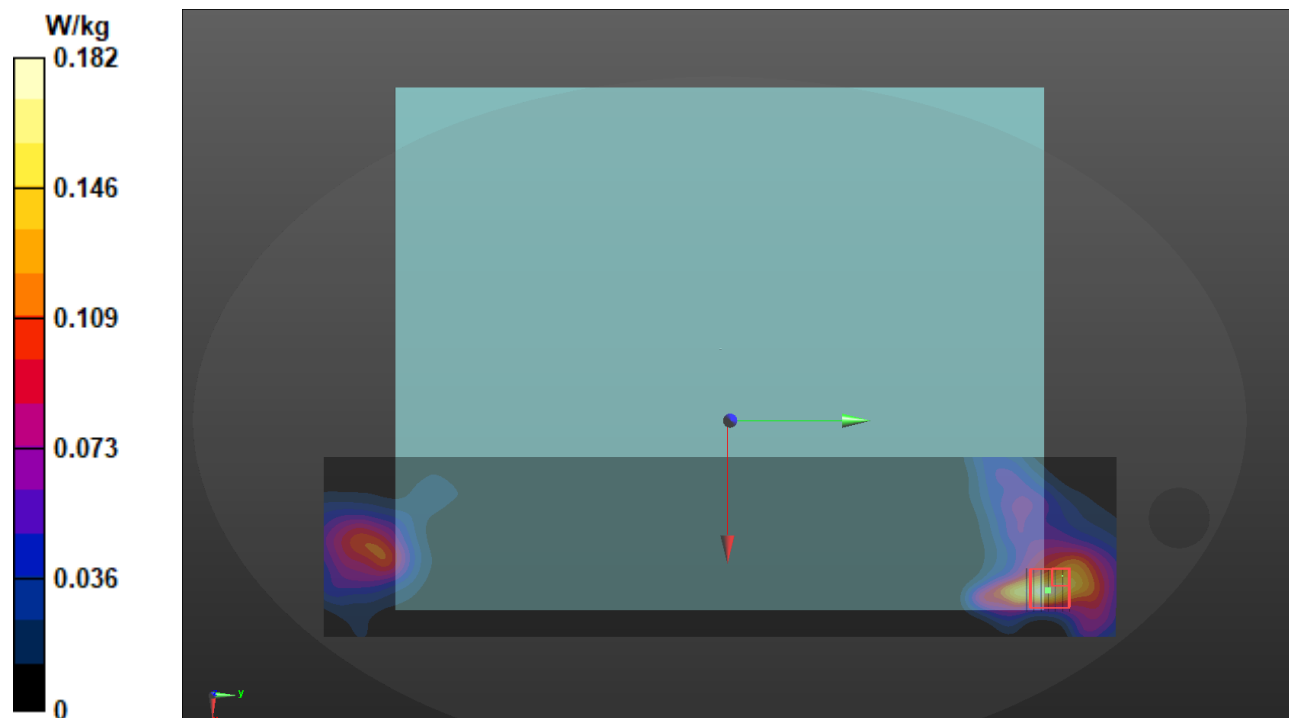
Peak SAR (extrapolated) = 0.245 W/kg

**SAR(1 g) = 0.075 W/kg; SAR(10 g) = 0.027 W/kg** (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 13.4 mm

Ratio of SAR at M2 to SAR at M1 = 66.2%

Maximum value of SAR (measured) = 0.164 W/kg



## Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2023/02/24

**P09 WLAN5.6G\_802.11a\_Bottom of Laptop\_0mm\_Ch116\_Ant 0+1**

**DUT: BDGE-WTW-P22120075**

Communication System: UID 10062 - CAD, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps); Frequency: 5580 MHz; Duty Cycle: 1:1.02

Medium: H51T72N5\_0224 Medium parameters used:  $f = 5580$  MHz;  $\sigma = 4.957$  S/m;  $\epsilon_r = 37.015$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.5 °C ; Liquid Temperature : 20.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7472; ConvF(5.04, 5.04, 5.04) @ 5580 MHz; Calibrated: 2022/05/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2022/06/01
- Phantom: ELI Phantom\_2118; Type: QD OVA 004 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Area Scan (101x441x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 0.111 W/kg

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

Reference Value = 5.222 V/m; Power Drift = 0.03 dB

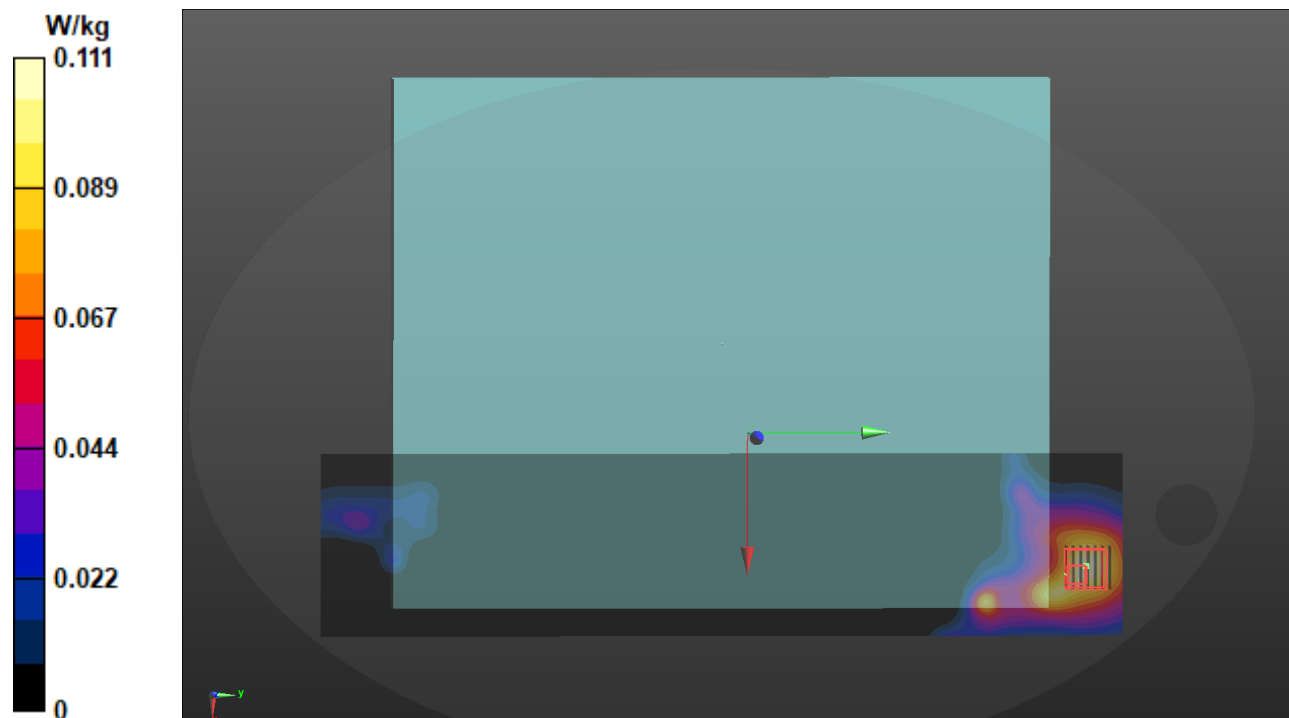
Peak SAR (extrapolated) = 0.177 W/kg

**SAR(1 g) = 0.053 W/kg; SAR(10 g) = 0.020 W/kg** (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 11.2 mm

Ratio of SAR at M2 to SAR at M1 = 60%

Maximum value of SAR (measured) = 0.132 W/kg



## Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/12/27

**P10 WLAN5.8G\_802.11a\_Bottom of Laptop\_0mm\_Ch149\_Ant 0+1**

**DUT: BDGE-WTW-P22120075**

Communication System: UID 10062 - CAD, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps); Frequency: 5745 MHz; Duty Cycle: 1:1.02

Medium: H51T72N3\_1227 Medium parameters used:  $f = 5745$  MHz;  $\sigma = 5.114$  S/m;  $\epsilon_r = 36.683$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.3 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7537; ConvF(4.97, 4.97, 4.97) @ 5745 MHz; Calibrated: 2022/04/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2022/04/21
- Phantom: ELI Phantom\_1245; Type: QDOVA002AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Area Scan (101x441x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.072 W/kg

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

Reference Value = 3.829 V/m; Power Drift = -0.05 dB

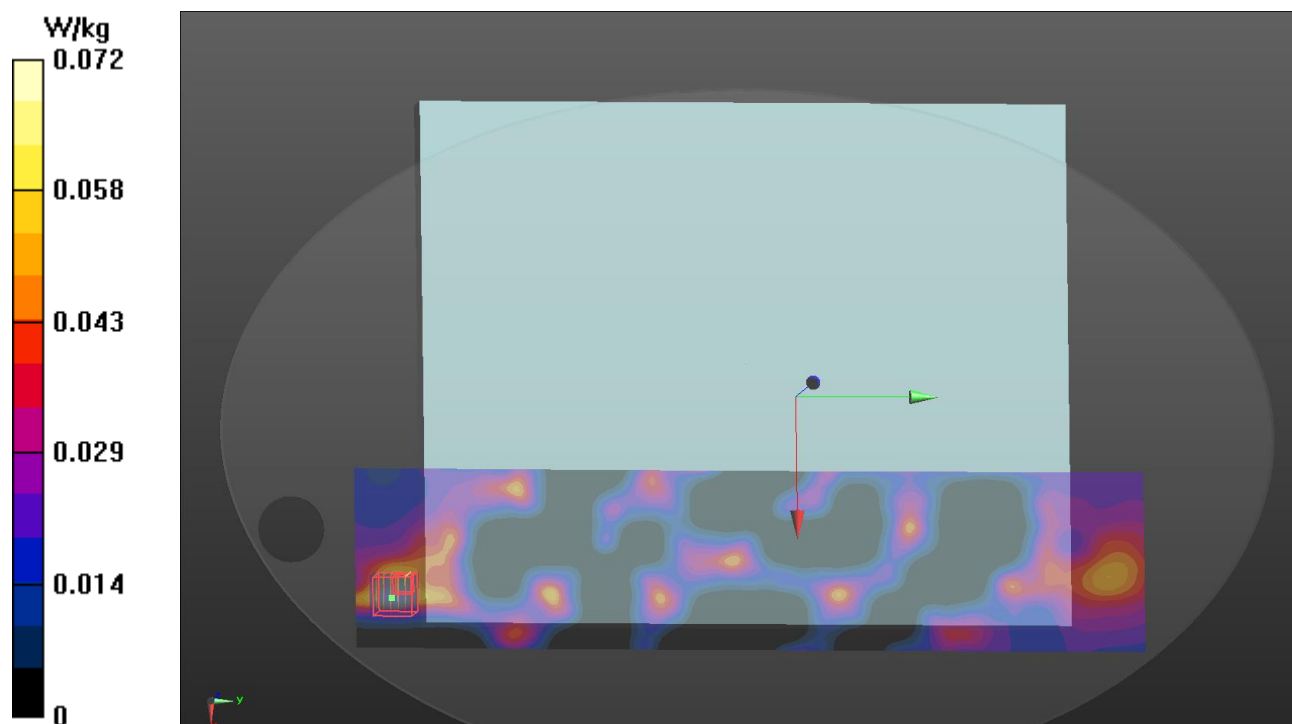
Peak SAR (extrapolated) = 0.102 W/kg

**SAR(1 g) = 0.032 W/kg; SAR(10 g) = 0.018 W/kg** (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 67.2%

Maximum value of SAR (measured) = 0.0649 W/kg



## Plots of Measurement

### Measurement Report for Device

P11 WLAN5.9G\_802.11n HT40\_Bottom of Laptop\_0mm\_Ch175\_Ant 0+1

### Device under Test Properties

| Model, Manufacturer | Dimensions [mm]      | IMEI | DUT Type |
|---------------------|----------------------|------|----------|
| BDGE-WTW-P22120075, | 360.0 x 290.0 x 20.0 |      | Laptop   |

### Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band    | Group, UID      | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|---------|-----------------|---------------------------------|-------------------|------------------------|------------------|
| Flat, HSL            | Bottom of Laptop, 0.00       | U-NII-4 | WLAN, 10599-AAC | 5875.0, 175                     | 4.79              | 5.00                   | 33.8             |

### Hardware Setup

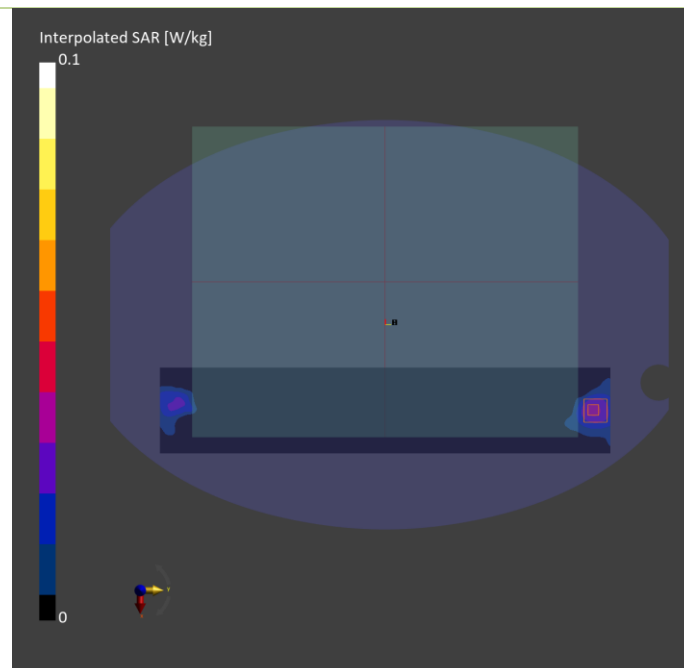
| Phantom                            | TSL, Measured Date    | Probe, Calibration Date     | DAE, Calibration Date   |
|------------------------------------|-----------------------|-----------------------------|-------------------------|
| ELI V8.0 (20deg probe tilt) - 2105 | H51T72N6, 2023-Mar-02 | EX3DV4 - SN7554, 2022-07-28 | DAE4 Sn1341, 2022-07-19 |

### Scan Setup

|                     | Area Scan    | Zoom Scan          |
|---------------------|--------------|--------------------|
| Grid Extents [mm]   | 80.0 x 420.0 | 24.0 x 24.0 x 22.0 |
| Grid Steps [mm]     | 10.0 x 10.0  | 4.0 x 4.0 x 1.4    |
| Sensor Surface [mm] | 3.0          | 1.4                |

### Measurement Results

|                    | Area Scan  | Zoom Scan  |
|--------------------|------------|------------|
| Date               | 2023-03-02 | 2023-03-02 |
| psSAR1g [W/kg]     | 0.028      | 0.026      |
| psSAR10g [W/kg]    | 0.012      | 0.009      |
| Power Drift [dB]   | 0.08       | 0.12       |
| M2/M1 [%]          |            | 58.3       |
| Dist 3dB Peak [mm] |            | 11.9       |



## Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/12/26

**P12 BT\_BDR\_Bottom of Laptop\_0mm\_Ch78\_Ant 1**

**DUT: BDGE-WTW-P22120075**

Communication System: UID 10032 - CAA, IEEE 802.15.1 Bluetooth (GFSK, DH5); Frequency: 2480 MHz; Duty Cycle: 1:1.3

Medium: H06T27N1\_1226 Medium parameters used:  $f = 2480$  MHz;  $\sigma = 1.829$  S/m;  $\epsilon_r = 39.257$ ;  $\rho = 1000$  kg/m<sup>3</sup>

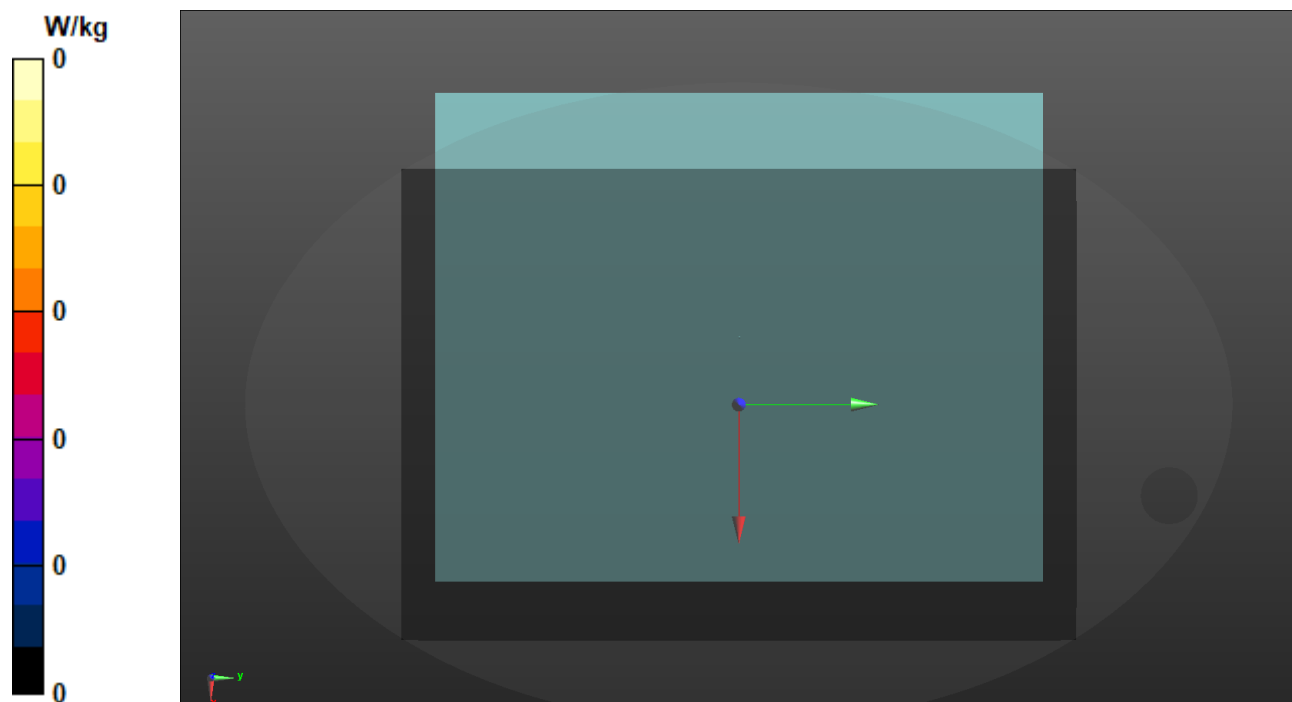
Ambient Temperature : 23.1 °C ; Liquid Temperature : 22.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7472; ConvF(7.89, 7.89, 7.89) @ 2480 MHz; Calibrated: 2022/05/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2022/06/01
- Phantom: ELI Phantom\_2118; Type: QD OVA 004 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Area Scan (241x341x1):** Interpolated grid:  $dx=1.200$  mm,  $dy=1.200$  mm

Maximum value of SAR (interpolated) = 0 W/kg



## Plots of Measurement

### Measurement Report

P14 UNII-5\_802.11ax HE160\_Bottom of Laptop\_0mm\_Ch15\_Ant 0+1

### Device under Test Properties

| Model, Manufacturer | Dimensions [mm]      | IMEI | DUT Type |
|---------------------|----------------------|------|----------|
| BDGE-WTW-P22120075, | 360.0 x 290.0 x 20.0 |      | Laptop   |

### Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band    | Group, UID      | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|---------|-----------------|---------------------------------|-------------------|------------------------|------------------|
| Flat, HSL            | Bottom of Laptop 0.00        | U-NII-5 | WLAN, 10755-AAC | 6025 15                         | 5.45              | 5.51                   | 35.9             |

### Hardware Setup

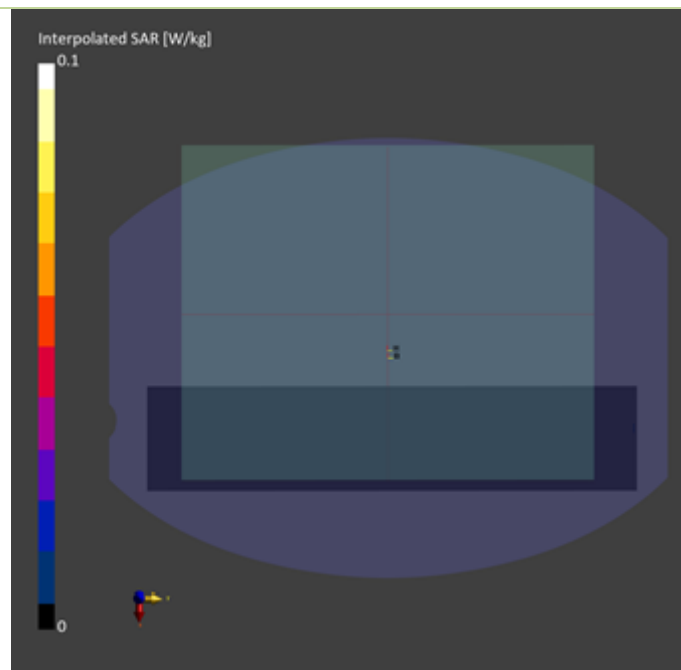
| Phantom                            | TSL, Measured Date     | Probe, Calibration Date     | DAE, Calibration Date   |
|------------------------------------|------------------------|-----------------------------|-------------------------|
| ELI V5.0 (20deg probe tilt) - 1245 | H51T72N3 , 2022-Dec-27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

### Scan Setup

|                     | Area Scan    | Zoom Scan          |
|---------------------|--------------|--------------------|
| Grid Extents [mm]   | 90.0 x 420.0 | 22.0 x 22.0 x 22.0 |
| Grid Steps [mm]     | 7.5 x 7.5    | 3.4 x 3.4 x 1.4    |
| Sensor Surface [mm] | 3.0          | 1.4                |

### Measurement Results

|                           | Area Scan  | Zoom Scan  |
|---------------------------|------------|------------|
| Date                      | 2022-12-27 | 2022-12-27 |
| psSAR1g [W/Kg]            |            | 0          |
| psSAR10g [W/Kg]           |            | 0          |
| psAPD (1.0cm2, sq) [W/m2] |            | 0          |
| psAPD (4.0cm2, sq) [W/m2] |            | 0          |
| Power Drift [dB]          | 0.00       | 0.00       |



## Plots of Measurement

### Measurement Report

P14 UNII-5\_802.11ax HE160\_Bottom of Laptop\_0mm\_Ch15\_Ant 0+1

### Device under Test Properties

| Model, Manufacturer | Dimensions [mm]      | IMEI | DUT Type |
|---------------------|----------------------|------|----------|
| BDGE-WTW-P22120075, | 360.0 x 290.0 x 30.0 |      | Laptop   |

### Exposure Conditions

| Phantom Section | Position, Test Distance [mm] | Band    | Group, UID      | Frequency [MHz], Channel Number | Conversion Factor |
|-----------------|------------------------------|---------|-----------------|---------------------------------|-------------------|
| 5G Air          | Bottom of Laptop, 0.00       | U-NII-5 | WLAN, 10755-AAC | 6025.0, 15                      | 1.0               |

### Hardware Setup

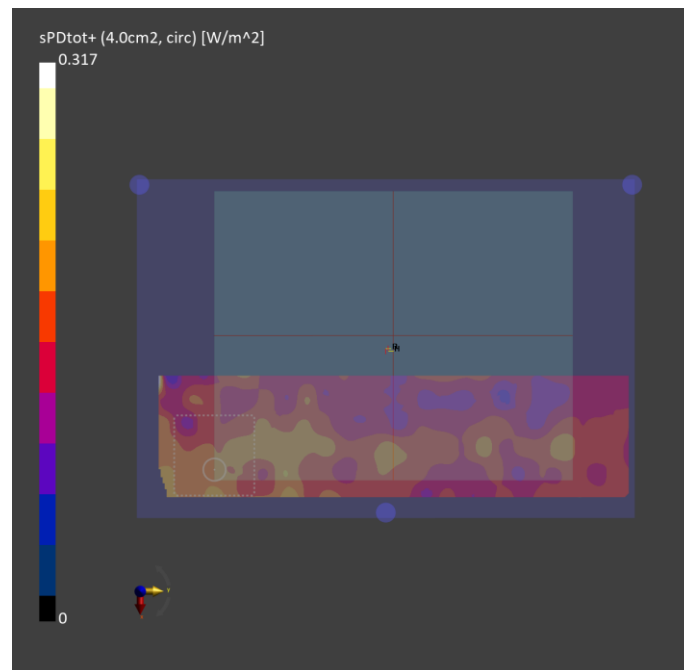
| Phantom      | Medium  | Probe, Calibration Date               | DAE, Calibration Date   |
|--------------|---------|---------------------------------------|-------------------------|
| mmWave- 1029 | --Air-- | EUmmWV4 - SN9438_F1-55GHz, 2022-07-18 | DAE4 Sn1341, 2022-07-19 |

### Scan Setup

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

### Measurement Results

|                              | 5G Scan    |
|------------------------------|------------|
| Date                         | 2022-12-29 |
| Avg. Area [cm <sup>2</sup> ] | 4.00       |
| psPDn+ [W/m <sup>2</sup> ]   | 0.108      |
| psPDtot+ [W/m <sup>2</sup> ] | 0.317      |
| psPDmod+ [W/m <sup>2</sup> ] | 0.409      |
| E <sub>max</sub> [V/m]       | 14.0       |
| Power Drift [dB]             | -0.06      |



## Plots of Measurement

### Measurement Report

P15 UNII\_7\_802.11a\_Bottom of Laptop \_0mm\_Ch181\_Ant 0

### Device under Test Properties

| Model, Manufacturer | Dimensions [mm]      | IMEI | DUT Type |
|---------------------|----------------------|------|----------|
| BDGE-WTW-P22120075, | 360.0 x 290.0 x 20.0 |      | Laptop   |

### Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band    | Group, UID      | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|---------|-----------------|---------------------------------|-------------------|------------------------|------------------|
| Flat,                | Bottom                       | U-NII-7 | WLAN, 10062-CAD | 6855.0, 181                     | 5.6               | 6.52                   | 34.9             |

### Hardware Setup

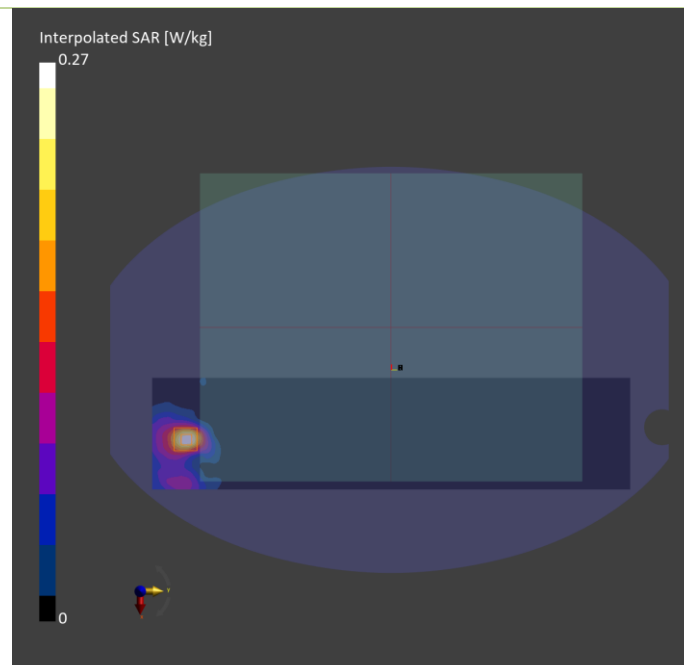
| Phantom                            | TSL, Measured Date     | Probe, Calibration Date     | DAE, Calibration Date  |
|------------------------------------|------------------------|-----------------------------|------------------------|
| ELI V8.0 (20deg probe tilt) - 2118 | H50T72N1 , 2023-Feb-24 | EX3DV4 - SN7472, 2022-05-27 | DAE3 Sn579, 2022-06-01 |

### Scan Setup

|                     | Area Scan     | Zoom Scan          |
|---------------------|---------------|--------------------|
| Grid Extents [mm]   | 105.0 x 450.0 | 22.0 x 22.0 x 22.0 |
| Grid Steps [mm]     | 7.5 x 7.5     | 3.4 x 3.4 x 1.4    |
| Sensor Surface [mm] | 3.0           | 1.4                |

### Measurement Results

|                           | Area Scan  | Zoom Scan  |
|---------------------------|------------|------------|
| Date                      | 2023-02-24 | 2023-02-24 |
| psSAR1g [W/kg]            | 0.223      | 0.229      |
| psSAR10g [W/kg]           | 0.084      | 0.087      |
| psAPD (1.0cm2, sq) [W/m2] |            | 2.29       |
| psAPD (4.0cm2, sq) [W/m2] |            | 1.94       |
| Power Drift [dB]          | 0.04       | 0.06       |
| M2/M1 [%]                 |            | 49.6       |
| Dist 3dB Peak [mm]        |            | 11.0       |



## Plots of Measurement

### Measurement Report

P15 UNII-7\_802.11a\_Bottom of Laptop\_0mm\_Ch181\_Ant 0

### Device under Test Properties

| Model, Manufacturer | Dimensions [mm]      | IMEI | DUT Type |
|---------------------|----------------------|------|----------|
| BDGE-WTW-P22120075, | 360.0 x 290.0 x 30.0 |      | Laptop   |

### Exposure Conditions

| Phantom Section | Position, Test Distance [mm] | Band   | Group, UID      | Frequency [MHz], Channel Number | Conversion Factor |
|-----------------|------------------------------|--------|-----------------|---------------------------------|-------------------|
| 5G Air          | Bottom of Laptop, 0.00       | UNII-7 | WLAN, 10062-CAD | 6855.0, 181                     | 1.0               |

### Hardware Setup

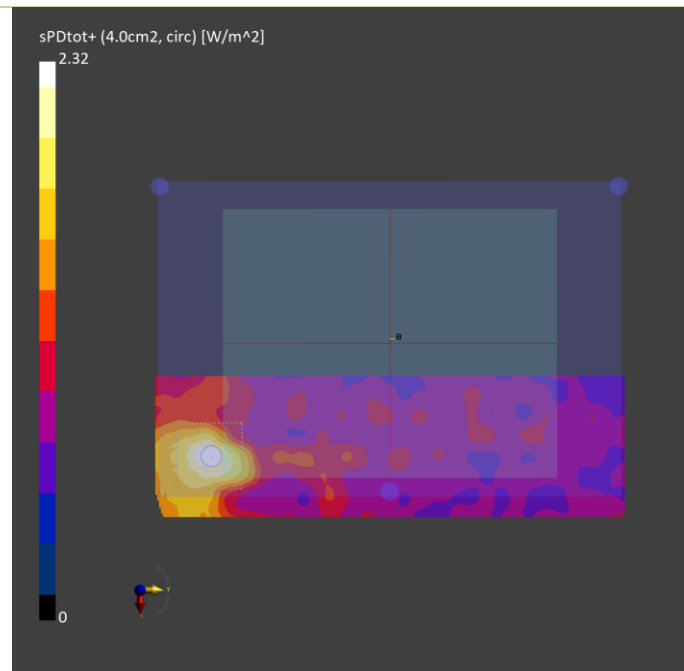
| Phantom      | Medium | Probe, Calibration Date               | DAE, Calibration Date   |
|--------------|--------|---------------------------------------|-------------------------|
| mmWave- 1029 | ---Air | EUmmWV4 - SN9438_F1-55GHz, 2022-07-18 | DAE4 Sn1341, 2022-07-19 |

### Scan Setup

|                     | 5G Scan         |
|---------------------|-----------------|
| Grid Extents [mm]   | 88.0 x 88.0     |
| Grid Steps [lambda] | 0.0569 x 0.0569 |
| Sensor Surface [mm] | 2.0             |

### Measurement Results

|                              | 5G Scan    |
|------------------------------|------------|
| Date                         | 2023-03-01 |
| Avg. Area [cm <sup>2</sup> ] | 4.00       |
| psPDn+ [W/m <sup>2</sup> ]   | 1.68       |
| psPDtot+ [W/m <sup>2</sup> ] | 2.32       |
| psPDmod+ [W/m <sup>2</sup> ] | 2.45       |
| E <sub>max</sub> [V/m]       | 33.8       |
| Power Drift [dB]             | 0.13       |



## Appendix D. Maximum Target Conducted Power

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

| Tune-up Power (Full)_QCNFA765 |         |           |                           |                           |                       |                       |                             |
|-------------------------------|---------|-----------|---------------------------|---------------------------|-----------------------|-----------------------|-----------------------------|
| 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 0+1<br>Max Tune up |
| 802.11b                       | 1       | 2412      | 19.5                      | 19.5                      | 19.5                  | 19.5                  | 22.5                        |
|                               | 6       | 2437      | 20.5                      | 20.5                      | 20.5                  | 20.5                  | 23.5                        |
|                               | 11      | 2462      | 19.5                      | 19.5                      | 19.5                  | 19.5                  | 22.5                        |
|                               | 12      | 2467      | 18.5                      | 18.5                      | 18.5                  | 18.5                  | 21.5                        |
|                               | 13      | 2472      | 16.0                      | 16.0                      | 16.0                  | 16.0                  | 19.0                        |
| 802.11g                       | 1       | 2412      | 18.0                      | 18.0                      | 18.0                  | 18.0                  | 21.0                        |
|                               | 6       | 2437      | 20.5                      | 20.5                      | 20.5                  | 20.5                  | 23.5                        |
|                               | 11      | 2462      | 18.0                      | 18.0                      | 18.0                  | 18.0                  | 21.0                        |
|                               | 12      | 2467      | 16.0                      | 16.0                      | 16.0                  | 16.0                  | 19.0                        |
|                               | 13      | 2472      | 4.0                       | 4.0                       | 4.0                   | 4.0                   | 7.0                         |
| 802.11n HT20                  | 1       | 2412      | 17.5                      | 17.5                      | 17.5                  | 17.5                  | 20.5                        |
|                               | 6       | 2437      | 19.5                      | 19.5                      | 19.5                  | 19.5                  | 22.5                        |
|                               | 11      | 2462      | 16.0                      | 16.0                      | 16.0                  | 16.0                  | 19.0                        |
|                               | 12      | 2467      | 15.0                      | 15.0                      | 15.0                  | 15.0                  | 18.0                        |
|                               | 13      | 2472      | 3.5                       | 3.5                       | 3.5                   | 3.5                   | 6.5                         |
| 802.11n HT40                  | 3       | 2422      | 15.5                      | 15.5                      | 15.5                  | 15.5                  | 18.5                        |
|                               | 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      | 14.0                      | 14.0                      | 14.0                  | 14.0                  | 17.0                        |
|                               | 11      | 2462      | 5.5                       | 5.5                       | 5.5                   | 5.5                   | 8.5                         |
| 802.11ac VHT20                | 1       | 2412      | 17.5                      | 17.5                      | 17.5                  | 17.5                  | 20.5                        |
|                               | 6       | 2437      | 19.5                      | 19.5                      | 19.5                  | 19.5                  | 22.5                        |
|                               | 11      | 2462      | 16.0                      | 16.0                      | 16.0                  | 16.0                  | 19.0                        |
|                               | 12      | 2467      | 15.0                      | 15.0                      | 15.0                  | 15.0                  | 18.0                        |
|                               | 13      | 2472      | 3.5                       | 3.5                       | 3.5                   | 3.5                   | 6.5                         |
| 802.11ac VHT40                | 3       | 2422      | 15.5                      | 15.5                      | 15.5                  | 15.5                  | 18.5                        |
|                               | 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      | 14.0                      | 14.0                      | 14.0                  | 14.0                  | 17.0                        |
|                               | 11      | 2462      | 5.5                       | 5.5                       | 5.5                   | 5.5                   | 8.5                         |
| 802.11ax HE20                 | 1       | 2412      | 17.5                      | 17.5                      | 17.5                  | 17.5                  | 20.5                        |
|                               | 6       | 2437      | 19.5                      | 19.5                      | 19.5                  | 19.5                  | 22.5                        |
|                               | 11      | 2462      | 16.0                      | 16.0                      | 16.0                  | 16.0                  | 19.0                        |
|                               | 12      | 2467      | 15.0                      | 15.0                      | 15.0                  | 15.0                  | 18.0                        |
|                               | 13      | 2472      | 3.5                       | 3.5                       | 3.5                   | 3.5                   | 6.5                         |
| 802.11ax HE40                 | 3       | 2422      | 15.5                      | 15.5                      | 15.5                  | 15.5                  | 18.5                        |
|                               | 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      | 14.0                      | 14.0                      | 14.0                  | 14.0                  | 17.0                        |
|                               | 11      | 2462      | 5.5                       | 5.5                       | 5.5                   | 5.5                   | 8.5                         |

| Tune-up Power (Full)_QCNFA765 |         |           |  |                      |  |
|-------------------------------|---------|-----------|--|----------------------|--|
| Bluetooth                     |         |           |  |                      |  |
| Mode                          | Channel | Frequency |  | Ant 1<br>Max Tune-up |  |
| BR / EDR                      | 0       | 2402      |  | 16.0                 |  |
|                               | 39      | 2441      |  | 16.0                 |  |
|                               | 78      | 2480      |  | 16.0                 |  |
| LE                            | 0       | 2402      |  | 7.0                  |  |
|                               | 19      | 2440      |  | 7.0                  |  |
|                               | 39      | 2480      |  | 7.0                  |  |

| Tune-up Power (Full)_QCNFA765 |         |           |                           |                           |                       |                       |                             |
|-------------------------------|---------|-----------|---------------------------|---------------------------|-----------------------|-----------------------|-----------------------------|
| 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 0+1<br>Max Tune up |
| 802.11a                       | 36      | 5180      | 14.5                      | 14.5                      | 14.5                  | 14.5                  | 17.5                        |
|                               | 40      | 5200      | 14.5                      | 14.5                      | 14.5                  | 14.5                  | 17.5                        |
|                               | 44      | 5220      | 14.5                      | 14.5                      | 14.5                  | 14.5                  | 17.5                        |
|                               | 48      | 5240      | 14.5                      | 14.5                      | 14.5                  | 14.5                  | 17.5                        |
| 802.11n HT20                  | 36      | 5180      | 14.5                      | 14.5                      | 14.5                  | 14.5                  | 17.5                        |
|                               | 40      | 5200      | 14.5                      | 14.5                      | 14.5                  | 14.5                  | 17.5                        |
|                               | 44      | 5220      | 14.5                      | 14.5                      | 14.5                  | 14.5                  | 17.5                        |
|                               | 48      | 5240      | 14.5                      | 14.5                      | 14.5                  | 14.5                  | 17.5                        |
| 802.11n HT40                  | 38      | 5190      | 15.0                      | 15.0                      | 15.0                  | 15.0                  | 18.0                        |
|                               | 46      | 5230      | 15.0                      | 15.0                      | 15.0                  | 15.0                  | 18.0                        |
| 802.11ac VHT20                | 36      | 5180      | 14.5                      | 14.5                      | 14.5                  | 14.5                  | 17.5                        |
|                               | 40      | 5200      | 14.5                      | 14.5                      | 14.5                  | 14.5                  | 17.5                        |
|                               | 44      | 5220      | 14.5                      | 14.5                      | 14.5                  | 14.5                  | 17.5                        |
|                               | 48      | 5240      | 14.5                      | 14.5                      | 14.5                  | 14.5                  | 17.5                        |
| 802.11ac VHT40                | 38      | 5190      | 15.0                      | 15.0                      | 15.0                  | 15.0                  | 18.0                        |
|                               | 46      | 5230      | 15.0                      | 15.0                      | 15.0                  | 15.0                  | 18.0                        |
| 802.11ac VHT80                | 42      | 5210      | 13.0                      | 13.0                      | 13.0                  | 13.0                  | 16.0                        |
| 802.11ax HE20                 | 36      | 5180      | 14.5                      | 14.5                      | 14.5                  | 14.5                  | 17.5                        |
|                               | 40      | 5200      | 14.5                      | 14.5                      | 14.5                  | 14.5                  | 17.5                        |
|                               | 44      | 5220      | 14.5                      | 14.5                      | 14.5                  | 14.5                  | 17.5                        |
|                               | 48      | 5240      | 14.5                      | 14.5                      | 14.5                  | 14.5                  | 17.5                        |
| 802.11ax HE40                 | 38      | 5190      | 15.0                      | 15.0                      | 15.0                  | 15.0                  | 18.0                        |
|                               | 46      | 5230      | 15.0                      | 15.0                      | 15.0                  | 15.0                  | 18.0                        |
| 802.11ax HE80                 | 42      | 5210      | 13.0                      | 13.0                      | 13.0                  | 13.0                  | 16.0                        |

| Tune-up Power (Full)_QCNFA765 |         |           |                           |                           |                       |                       |                             |
|-------------------------------|---------|-----------|---------------------------|---------------------------|-----------------------|-----------------------|-----------------------------|
| 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 0+1<br>Max Tune up |
| 802.11a                       | 52      | 5260      | 16.0                      | 16.0                      | 16.0                  | 16.0                  | 19.0                        |
|                               | 56      | 5280      | 19.0                      | 19.0                      | 19.0                  | 19.0                  | 22.0                        |
|                               | 60      | 5300      | 19.0                      | 19.0                      | 19.0                  | 19.0                  | 22.0                        |
|                               | 64      | 5320      | 16.0                      | 16.0                      | 16.0                  | 16.0                  | 19.0                        |
| 802.11n HT20                  | 52      | 5260      | 16.0                      | 16.0                      | 16.0                  | 16.0                  | 19.0                        |
|                               | 56      | 5280      | 17.5                      | 17.5                      | 17.5                  | 17.5                  | 20.5                        |
|                               | 60      | 5300      | 17.5                      | 17.5                      | 17.5                  | 17.5                  | 20.5                        |
|                               | 64      | 5320      | 16.0                      | 16.0                      | 16.0                  | 16.0                  | 19.0                        |
| 802.11n HT40                  | 54      | 5270      | 17.0                      | 17.0                      | 17.0                  | 17.0                  | 20.0                        |
|                               | 62      | 5310      | 15.5                      | 15.5                      | 15.5                  | 15.5                  | 18.5                        |
| 802.11ac VHT20                | 52      | 5260      | 16.0                      | 16.0                      | 16.0                  | 16.0                  | 19.0                        |
|                               | 56      | 5280      | 17.5                      | 17.5                      | 17.5                  | 17.5                  | 20.5                        |
|                               | 60      | 5300      | 17.5                      | 17.5                      | 17.5                  | 17.5                  | 20.5                        |
|                               | 64      | 5320      | 16.0                      | 16.0                      | 16.0                  | 16.0                  | 19.0                        |
| 802.11ac VHT40                | 54      | 5270      | 17.0                      | 17.0                      | 17.0                  | 17.0                  | 20.0                        |
|                               | 62      | 5310      | 15.5                      | 15.5                      | 15.5                  | 15.5                  | 18.5                        |
| 802.11ac VHT80                | 58      | 5290      | 14.0                      | 14.0                      | 14.0                  | 14.0                  | 17.0                        |
| 802.11ac VHT160               | 50      | 5250      | 13.0                      | 13.0                      | 13.0                  | 13.0                  | 16.0                        |
| 802.11ax HE20                 | 52      | 5260      | 16.0                      | 16.0                      | 16.0                  | 16.0                  | 19.0                        |
|                               | 56      | 5280      | 17.5                      | 17.5                      | 17.5                  | 17.5                  | 20.5                        |
|                               | 60      | 5300      | 17.5                      | 17.5                      | 17.5                  | 17.5                  | 20.5                        |
|                               | 64      | 5320      | 16.0                      | 16.0                      | 16.0                  | 16.0                  | 19.0                        |
| 802.11ax HE40                 | 54      | 5270      | 17.0                      | 17.0                      | 17.0                  | 17.0                  | 20.0                        |
|                               | 62      | 5310      | 15.5                      | 15.5                      | 15.5                  | 15.5                  | 18.5                        |
| 802.11ax HE80                 | 58      | 5290      | 14.0                      | 14.0                      | 14.0                  | 14.0                  | 17.0                        |
| 802.11ax HE160                | 50      | 5250      | 13.0                      | 13.0                      | 13.0                  | 13.0                  | 16.0                        |

| Tune-up Power (Full)_QCNA765 |         |           |                           |                           |                       |                       |                             |
|------------------------------|---------|-----------|---------------------------|---------------------------|-----------------------|-----------------------|-----------------------------|
| 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 0+1<br>Max Tune up |
| 802.11a                      | 100     | 5500      | 16.0                      | 16.0                      | 16.0                  | 16.0                  | 19.0                        |
|                              | 116     | 5580      | 18.5                      | 18.5                      | 18.5                  | 18.5                  | 21.5                        |
|                              | 120     | 5600      | 18.5                      | 18.5                      | 18.5                  | 18.5                  | 21.5                        |
|                              | 124     | 5620      | 18.5                      | 18.5                      | 18.5                  | 18.5                  | 21.5                        |
|                              | 132     | 5660      | 18.5                      | 18.5                      | 18.5                  | 18.5                  | 21.5                        |
|                              | 140     | 5700      | 16.0                      | 16.0                      | 16.0                  | 16.0                  | 19.0                        |
|                              | 144     | 5720      | 19.0                      | 19.0                      | 19.0                  | 19.0                  | 22.0                        |
| 802.11n HT20                 | 100     | 5500      | 16.0                      | 16.0                      | 16.0                  | 16.0                  | 19.0                        |
|                              | 116     | 5580      | 17.5                      | 17.5                      | 17.5                  | 17.5                  | 20.5                        |
|                              | 120     | 5600      | 17.5                      | 17.5                      | 17.5                  | 17.5                  | 20.5                        |
|                              | 124     | 5620      | 17.5                      | 17.5                      | 17.5                  | 17.5                  | 20.5                        |
|                              | 132     | 5660      | 17.5                      | 17.5                      | 17.5                  | 17.5                  | 20.5                        |
|                              | 140     | 5700      | 16.0                      | 16.0                      | 16.0                  | 16.0                  | 19.0                        |
|                              | 144     | 5720      | 17.5                      | 17.5                      | 17.5                  | 17.5                  | 20.5                        |
| 802.11n HT40                 | 102     | 5510      | 15.5                      | 15.5                      | 15.5                  | 15.5                  | 18.5                        |
|                              | 110     | 5550      | 17.0                      | 17.0                      | 17.0                  | 17.0                  | 20.0                        |
|                              | 118     | 5590      | 17.0                      | 17.0                      | 17.0                  | 17.0                  | 20.0                        |
|                              | 126     | 5630      | 17.0                      | 17.0                      | 17.0                  | 17.0                  | 20.0                        |
|                              | 134     | 5670      | 15.5                      | 15.5                      | 15.5                  | 15.5                  | 18.5                        |
|                              | 142     | 5710      | 17.0                      | 17.0                      | 17.0                  | 17.0                  | 20.0                        |
| 802.11ac VHT20               | 100     | 5500      | 16.0                      | 16.0                      | 16.0                  | 16.0                  | 19.0                        |
|                              | 116     | 5580      | 17.5                      | 17.5                      | 17.5                  | 17.5                  | 20.5                        |
|                              | 120     | 5600      | 17.5                      | 17.5                      | 17.5                  | 17.5                  | 20.5                        |
|                              | 124     | 5620      | 17.5                      | 17.5                      | 17.5                  | 17.5                  | 20.5                        |
|                              | 132     | 5660      | 17.5                      | 17.5                      | 17.5                  | 17.5                  | 20.5                        |
|                              | 140     | 5700      | 16.0                      | 16.0                      | 16.0                  | 16.0                  | 19.0                        |
|                              | 144     | 5720      | 17.5                      | 17.5                      | 17.5                  | 17.5                  | 20.5                        |
| 802.11ac VHT40               | 102     | 5510      | 15.5                      | 15.5                      | 15.5                  | 15.5                  | 18.5                        |
|                              | 110     | 5550      | 17.0                      | 17.0                      | 17.0                  | 17.0                  | 20.0                        |
|                              | 118     | 5590      | 17.0                      | 17.0                      | 17.0                  | 17.0                  | 20.0                        |
|                              | 126     | 5630      | 17.0                      | 17.0                      | 17.0                  | 17.0                  | 20.0                        |
|                              | 134     | 5670      | 15.5                      | 15.5                      | 15.5                  | 15.5                  | 18.5                        |
|                              | 142     | 5710      | 17.0                      | 17.0                      | 17.0                  | 17.0                  | 20.0                        |
| 802.11ac VHT80               | 106     | 5530      | 15.0                      | 15.0                      | 15.0                  | 15.0                  | 18.0                        |
|                              | 122     | 5610      | 15.0                      | 15.0                      | 15.0                  | 15.0                  | 18.0                        |
|                              | 138     | 5690      | 16.5                      | 16.5                      | 16.5                  | 16.5                  | 19.5                        |
| 802.11ac VHT160              | 114     | 5570      | 14.0                      | 14.0                      | 14.0                  | 14.0                  | 17.0                        |
| 802.11ax HE20                | 100     | 5500      | 16.0                      | 16.0                      | 16.0                  | 16.0                  | 19.0                        |
|                              | 116     | 5580      | 17.5                      | 17.5                      | 17.5                  | 17.5                  | 20.5                        |
|                              | 120     | 5600      | 17.5                      | 17.5                      | 17.5                  | 17.5                  | 20.5                        |
|                              | 124     | 5620      | 17.5                      | 17.5                      | 17.5                  | 17.5                  | 20.5                        |
|                              | 132     | 5660      | 17.5                      | 17.5                      | 17.5                  | 17.5                  | 20.5                        |
|                              | 140     | 5700      | 16.0                      | 16.0                      | 16.0                  | 16.0                  | 19.0                        |
|                              | 144     | 5720      | 17.5                      | 17.5                      | 17.5                  | 17.5                  | 20.5                        |
| 802.11ax HE40                | 102     | 5510      | 15.5                      | 15.5                      | 15.5                  | 15.5                  | 18.5                        |
|                              | 110     | 5550      | 17.0                      | 17.0                      | 17.0                  | 17.0                  | 20.0                        |
|                              | 118     | 5590      | 17.0                      | 17.0                      | 17.0                  | 17.0                  | 20.0                        |
|                              | 126     | 5630      | 17.0                      | 17.0                      | 17.0                  | 17.0                  | 20.0                        |
|                              | 134     | 5670      | 15.5                      | 15.5                      | 15.5                  | 15.5                  | 18.5                        |
|                              | 142     | 5710      | 17.0                      | 17.0                      | 17.0                  | 17.0                  | 20.0                        |
| 802.11ax HE80                | 106     | 5530      | 15.0                      | 15.0                      | 15.0                  | 15.0                  | 18.0                        |
|                              | 122     | 5610      | 15.0                      | 15.0                      | 15.0                  | 15.0                  | 18.0                        |
|                              | 138     | 5690      | 16.5                      | 16.5                      | 16.5                  | 16.5                  | 19.5                        |
| 802.11ax HE160               | 114     | 5570      | 14.0                      | 14.0                      | 14.0                  | 14.0                  | 17.0                        |

| Tune-up Power (Full)_QCNFA765 |         |           |                           |                           |                       |                       |                             |
|-------------------------------|---------|-----------|---------------------------|---------------------------|-----------------------|-----------------------|-----------------------------|
| 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 0+1<br>Max Tune up |
| 802.11a                       | 149     | 5745      | 19.0                      | 19.0                      | 19.0                  | 19.0                  | 22.0                        |
|                               | 153     | 5765      | 19.0                      | 19.0                      | 19.0                  | 19.0                  | 22.0                        |
|                               | 157     | 5785      | 19.0                      | 19.0                      | 19.0                  | 19.0                  | 22.0                        |
|                               | 161     | 5805      | 19.0                      | 19.0                      | 19.0                  | 19.0                  | 22.0                        |
|                               | 165     | 5825      | 19.0                      | 19.0                      | 19.0                  | 19.0                  | 22.0                        |
| 802.11n HT20                  | 149     | 5745      | 17.5                      | 17.5                      | 17.5                  | 17.5                  | 20.5                        |
|                               | 153     | 5765      | 19.0                      | 19.0                      | 19.0                  | 19.0                  | 22.0                        |
|                               | 157     | 5785      | 19.0                      | 19.0                      | 19.0                  | 19.0                  | 22.0                        |
|                               | 161     | 5805      | 19.0                      | 19.0                      | 19.0                  | 19.0                  | 22.0                        |
|                               | 165     | 5825      | 17.5                      | 17.5                      | 17.5                  | 17.5                  | 20.5                        |
| 802.11n HT40                  | 151     | 5755      | 17.0                      | 17.0                      | 17.0                  | 17.0                  | 20.0                        |
|                               | 159     | 5795      | 17.0                      | 17.0                      | 17.0                  | 17.0                  | 20.0                        |
| 802.11ac VHT20                | 149     | 5745      | 17.5                      | 17.5                      | 17.5                  | 17.5                  | 20.5                        |
|                               | 153     | 5765      | 19.0                      | 19.0                      | 19.0                  | 19.0                  | 22.0                        |
|                               | 157     | 5785      | 19.0                      | 19.0                      | 19.0                  | 19.0                  | 22.0                        |
|                               | 161     | 5805      | 19.0                      | 19.0                      | 19.0                  | 19.0                  | 22.0                        |
|                               | 165     | 5825      | 17.5                      | 17.5                      | 17.5                  | 17.5                  | 20.5                        |
| 802.11ac VHT40                | 151     | 5755      | 17.0                      | 17.0                      | 17.0                  | 17.0                  | 20.0                        |
|                               | 159     | 5795      | 17.0                      | 17.0                      | 17.0                  | 17.0                  | 20.0                        |
| 802.11ac VHT80                | 155     | 5775      | 16.5                      | 16.5                      | 16.5                  | 16.5                  | 19.5                        |
| 802.11ax HE20                 | 149     | 5745      | 17.5                      | 17.5                      | 17.5                  | 17.5                  | 20.5                        |
|                               | 153     | 5765      | 19.0                      | 19.0                      | 19.0                  | 19.0                  | 22.0                        |
|                               | 157     | 5785      | 19.0                      | 19.0                      | 19.0                  | 19.0                  | 22.0                        |
|                               | 161     | 5805      | 19.0                      | 19.0                      | 19.0                  | 19.0                  | 22.0                        |
|                               | 165     | 5825      | 17.5                      | 17.5                      | 17.5                  | 17.5                  | 20.5                        |
| 802.11ax HE40                 | 151     | 5755      | 17.0                      | 17.0                      | 17.0                  | 17.0                  | 20.0                        |
|                               | 159     | 5795      | 17.0                      | 17.0                      | 17.0                  | 17.0                  | 20.0                        |
| 802.11ax HE80                 | 155     | 5775      | 16.5                      | 16.5                      | 16.5                  | 16.5                  | 19.5                        |

| Tune-up Power (Full)_QCNFA765 |         |           |                           |                           |                       |                       |                             |
|-------------------------------|---------|-----------|---------------------------|---------------------------|-----------------------|-----------------------|-----------------------------|
| WLAN 5.9GHz                   |         |           |                           |                           |                       |                       |                             |
| 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 0+1<br>Max Tune up |
| 802.11a                       | 169     | 5845      | 14.5                      | 14.5                      | 14.5                  | 14.5                  | 17.5                        |
|                               | 173     | 5865      | 14.5                      | 14.5                      | 14.5                  | 14.5                  | 17.5                        |
|                               | 177     | 5885      | 14.5                      | 14.5                      | 14.5                  | 14.5                  | 17.5                        |
| 802.11n HT20                  | 169     | 5845      | 14.5                      | 14.5                      | 14.5                  | 14.5                  | 17.5                        |
|                               | 173     | 5865      | 14.5                      | 14.5                      | 14.5                  | 14.5                  | 17.5                        |
|                               | 177     | 5885      | 14.5                      | 14.5                      | 14.5                  | 14.5                  | 17.5                        |
| 802.11n HT40                  | 167     | 5835      | 17.0                      | 17.0                      | 17.0                  | 17.0                  | 20.0                        |
|                               | 175     | 5875      | 17.0                      | 17.0                      | 17.0                  | 17.0                  | 20.0                        |
| 802.11ac VHT20                | 169     | 5845      | 14.5                      | 14.5                      | 14.5                  | 14.5                  | 17.5                        |
|                               | 173     | 5865      | 14.5                      | 14.5                      | 14.5                  | 14.5                  | 17.5                        |
|                               | 177     | 5885      | 14.5                      | 14.5                      | 14.5                  | 14.5                  | 17.5                        |
| 802.11ac VHT40                | 167     | 5835      | 17.0                      | 17.0                      | 17.0                  | 17.0                  | 20.0                        |
|                               | 175     | 5875      | 17.0                      | 17.0                      | 17.0                  | 17.0                  | 20.0                        |
| 802.11ac VHT80                | 171     | 5855      | 16.5                      | 16.5                      | 16.5                  | 16.5                  | 19.5                        |
| 802.11ac VHT160               | 163     | 5815      | 14.5                      | 14.5                      | 14.5                  | 14.5                  | 17.5                        |
| 802.11ax HE20                 | 169     | 5845      | 14.5                      | 14.5                      | 14.5                  | 14.5                  | 17.5                        |
|                               | 173     | 5865      | 14.5                      | 14.5                      | 14.5                  | 14.5                  | 17.5                        |
|                               | 177     | 5885      | 14.5                      | 14.5                      | 14.5                  | 14.5                  | 17.5                        |
| 802.11ax HE40                 | 167     | 5835      | 17.0                      | 17.0                      | 17.0                  | 17.0                  | 20.0                        |
|                               | 175     | 5875      | 17.0                      | 17.0                      | 17.0                  | 17.0                  | 20.0                        |
| 802.11ax HE80                 | 171     | 5855      | 16.5                      | 16.5                      | 16.5                  | 16.5                  | 19.5                        |
| 802.11ax VHT160               | 163     | 5815      | 14.5                      | 14.5                      | 14.5                  | 14.5                  | 17.5                        |

| Tune-up Power (Full)_QCNFA765 |         |           |                           |                           |                       |                       |                             |
|-------------------------------|---------|-----------|---------------------------|---------------------------|-----------------------|-----------------------|-----------------------------|
| UNII-5                        |         |           |                           |                           |                       |                       |                             |
| 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 0+1<br>Max Tune up |
| 802.11a                       | 1       | 5955      | 1.5                       | 1.5                       | 1.5                   | 1.5                   | 4.5                         |
|                               | 5       | 5975      | 1.5                       | 1.5                       | 1.5                   | 1.5                   | 4.5                         |
|                               | 9       | 5995      | 1.5                       | 1.5                       | 1.5                   | 1.5                   | 4.5                         |
|                               | 13      | 6015      | 1.5                       | 1.5                       | 1.5                   | 1.5                   | 4.5                         |
|                               | 17      | 6035      | 1.5                       | 1.5                       | 1.5                   | 1.5                   | 4.5                         |
|                               | 21      | 6055      | 1.5                       | 1.5                       | 1.5                   | 1.5                   | 4.5                         |
|                               | 25      | 6075      | 1.5                       | 1.5                       | 1.5                   | 1.5                   | 4.5                         |
|                               | 29      | 6095      | 1.5                       | 1.5                       | 1.5                   | 1.5                   | 4.5                         |
|                               | 33      | 6115      | 1.5                       | 1.5                       | 1.5                   | 1.5                   | 4.5                         |
|                               | 37      | 6135      | 1.5                       | 1.5                       | 1.5                   | 1.5                   | 4.5                         |
|                               | 41      | 6155      | 1.5                       | 1.5                       | 1.5                   | 1.5                   | 4.5                         |
|                               | 45      | 6175      | 1.5                       | 1.5                       | 1.5                   | 1.5                   | 4.5                         |
|                               | 49      | 6195      | 1.5                       | 1.5                       | 1.5                   | 1.5                   | 4.5                         |
|                               | 53      | 6215      | 1.5                       | 1.5                       | 1.5                   | 1.5                   | 4.5                         |
|                               | 57      | 6235      | 1.5                       | 1.5                       | 1.5                   | 1.5                   | 4.5                         |
|                               | 61      | 6255      | 1.5                       | 1.5                       | 1.5                   | 1.5                   | 4.5                         |
|                               | 65      | 6275      | 1.5                       | 1.5                       | 1.5                   | 1.5                   | 4.5                         |
|                               | 69      | 6295      | 1.5                       | 1.5                       | 1.5                   | 1.5                   | 4.5                         |
|                               | 73      | 6315      | 1.5                       | 1.5                       | 1.5                   | 1.5                   | 4.5                         |
|                               | 77      | 6335      | 1.5                       | 1.5                       | 1.5                   | 1.5                   | 4.5                         |
|                               | 81      | 6355      | 1.5                       | 1.5                       | 1.5                   | 1.5                   | 4.5                         |
|                               | 85      | 6375      | 1.5                       | 1.5                       | 1.5                   | 1.5                   | 4.5                         |
|                               | 89      | 6395      | 1.5                       | 1.5                       | 1.5                   | 1.5                   | 4.5                         |
|                               | 93      | 6415      | 1.5                       | 1.5                       | 1.5                   | 1.5                   | 4.5                         |
| 802.11ax HE20                 | 1       | 5955      | 2.5                       | 2.5                       | 2.5                   | 2.5                   | 5.5                         |
|                               | 5       | 5975      | 2.5                       | 2.5                       | 2.5                   | 2.5                   | 5.5                         |
|                               | 9       | 5995      | 2.5                       | 2.5                       | 2.5                   | 2.5                   | 5.5                         |
|                               | 13      | 6015      | 2.5                       | 2.5                       | 2.5                   | 2.5                   | 5.5                         |
|                               | 17      | 6035      | 2.5                       | 2.5                       | 2.5                   | 2.5                   | 5.5                         |
|                               | 21      | 6055      | 2.5                       | 2.5                       | 2.5                   | 2.5                   | 5.5                         |
|                               | 25      | 6075      | 2.5                       | 2.5                       | 2.5                   | 2.5                   | 5.5                         |
|                               | 29      | 6095      | 2.5                       | 2.5                       | 2.5                   | 2.5                   | 5.5                         |
|                               | 33      | 6115      | 2.5                       | 2.5                       | 2.5                   | 2.5                   | 5.5                         |
|                               | 37      | 6135      | 2.5                       | 2.5                       | 2.5                   | 2.5                   | 5.5                         |
|                               | 41      | 6155      | 2.5                       | 2.5                       | 2.5                   | 2.5                   | 5.5                         |
|                               | 45      | 6175      | 2.5                       | 2.5                       | 2.5                   | 2.5                   | 5.5                         |
|                               | 49      | 6195      | 2.5                       | 2.5                       | 2.5                   | 2.5                   | 5.5                         |
|                               | 53      | 6215      | 2.5                       | 2.5                       | 2.5                   | 2.5                   | 5.5                         |
|                               | 57      | 6235      | 2.5                       | 2.5                       | 2.5                   | 2.5                   | 5.5                         |
|                               | 61      | 6255      | 2.5                       | 2.5                       | 2.5                   | 2.5                   | 5.5                         |
|                               | 65      | 6275      | 2.5                       | 2.5                       | 2.5                   | 2.5                   | 5.5                         |
|                               | 69      | 6295      | 2.5                       | 2.5                       | 2.5                   | 2.5                   | 5.5                         |
|                               | 73      | 6315      | 2.5                       | 2.5                       | 2.5                   | 2.5                   | 5.5                         |
|                               | 77      | 6335      | 2.5                       | 2.5                       | 2.5                   | 2.5                   | 5.5                         |
|                               | 81      | 6355      | 2.5                       | 2.5                       | 2.5                   | 2.5                   | 5.5                         |
|                               | 85      | 6375      | 2.5                       | 2.5                       | 2.5                   | 2.5                   | 5.5                         |
|                               | 89      | 6395      | 2.5                       | 2.5                       | 2.5                   | 2.5                   | 5.5                         |
|                               | 93      | 6415      | 2.5                       | 2.5                       | 2.5                   | 2.5                   | 5.5                         |

| Tune-up Power (Full)_QCNFA765 |         |           |                           |                           |                       |                       |                             |
|-------------------------------|---------|-----------|---------------------------|---------------------------|-----------------------|-----------------------|-----------------------------|
| UNII-5                        |         |           |                           |                           |                       |                       |                             |
| 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 0+1<br>Max Tune up |
| 802.11ax HE40                 | 3       | 5965      | 5.5                       | 5.5                       | 5.5                   | 5.5                   | 8.5                         |
|                               | 11      | 6005      | 5.5                       | 5.5                       | 5.5                   | 5.5                   | 8.5                         |
|                               | 19      | 6045      | 5.5                       | 5.5                       | 5.5                   | 5.5                   | 8.5                         |
|                               | 27      | 6085      | 5.5                       | 5.5                       | 5.5                   | 5.5                   | 8.5                         |
|                               | 35      | 6125      | 5.5                       | 5.5                       | 5.5                   | 5.5                   | 8.5                         |
|                               | 43      | 6165      | 5.5                       | 5.5                       | 5.5                   | 5.5                   | 8.5                         |
|                               | 51      | 6205      | 5.5                       | 5.5                       | 5.5                   | 5.5                   | 8.5                         |
|                               | 59      | 6245      | 5.5                       | 5.5                       | 5.5                   | 5.5                   | 8.5                         |
|                               | 67      | 6285      | 5.5                       | 5.5                       | 5.5                   | 5.5                   | 8.5                         |
|                               | 75      | 6325      | 5.5                       | 5.5                       | 5.5                   | 5.5                   | 8.5                         |
|                               | 83      | 6365      | 5.5                       | 5.5                       | 5.5                   | 5.5                   | 8.5                         |
|                               | 91      | 6405      | 5.5                       | 5.5                       | 5.5                   | 5.5                   | 8.5                         |
| 802.11ax HE80                 | 7       | 5985      | 8.5                       | 8.5                       | 8.5                   | 8.5                   | 11.5                        |
|                               | 23      | 6065      | 8.5                       | 8.5                       | 8.5                   | 8.5                   | 11.5                        |
|                               | 39      | 6145      | 8.5                       | 8.5                       | 8.5                   | 8.5                   | 11.5                        |
|                               | 55      | 6225      | 8.5                       | 8.5                       | 8.5                   | 8.5                   | 11.5                        |
|                               | 71      | 6305      | 8.5                       | 8.5                       | 8.5                   | 8.5                   | 11.5                        |
|                               | 87      | 6385      | 8.5                       | 8.5                       | 8.5                   | 8.5                   | 11.5                        |
| 802.11ax HE160                | 15      | 6025      | 9.0                       | 9.0                       | 9.0                   | 9.0                   | 12.0                        |
|                               | 47      | 6185      | 9.0                       | 9.0                       | 9.0                   | 9.0                   | 12.0                        |
|                               | 79      | 6345      | 9.0                       | 9.0                       | 9.0                   | 9.0                   | 12.0                        |

| Tune-up Power (Full)_QCNFA765 |         |           |                           |                           |                       |                       |                             |
|-------------------------------|---------|-----------|---------------------------|---------------------------|-----------------------|-----------------------|-----------------------------|
| UNII-6                        |         |           |                           |                           |                       |                       |                             |
| 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 0+1<br>Max Tune up |
| 802.11a                       | 97      | 6435      | 1.5                       | 1.5                       | 1.5                   | 1.5                   | 4.5                         |
|                               | 101     | 6455      | 1.5                       | 1.5                       | 1.5                   | 1.5                   | 4.5                         |
|                               | 105     | 6475      | 1.5                       | 1.5                       | 1.5                   | 1.5                   | 4.5                         |
|                               | 109     | 6495      | 1.5                       | 1.5                       | 1.5                   | 1.5                   | 4.5                         |
|                               | 113     | 6515      | 1.5                       | 1.5                       | 1.5                   | 1.5                   | 4.5                         |
|                               | 117     | 6535      | 1.5                       | 1.5                       | 1.5                   | 1.5                   | 4.5                         |
| 802.11ax HE20                 | 97      | 6435      | 2.5                       | 2.5                       | 2.5                   | 2.5                   | 5.5                         |
|                               | 101     | 6455      | 2.5                       | 2.5                       | 2.5                   | 2.5                   | 5.5                         |
|                               | 105     | 6475      | 2.5                       | 2.5                       | 2.5                   | 2.5                   | 5.5                         |
|                               | 109     | 6495      | 2.5                       | 2.5                       | 2.5                   | 2.5                   | 5.5                         |
|                               | 113     | 6515      | 2.5                       | 2.5                       | 2.5                   | 2.5                   | 5.5                         |
|                               | 117     | 6535      | 2.5                       | 2.5                       | 2.5                   | 2.5                   | 5.5                         |
| 802.11ax HE40                 | 99      | 6445      | 5.5                       | 5.5                       | 5.5                   | 5.5                   | 8.5                         |
|                               | 107     | 6485      | 5.5                       | 5.5                       | 5.5                   | 5.5                   | 8.5                         |
|                               | 115     | 6525      | 5.5                       | 5.5                       | 5.5                   | 5.5                   | 8.5                         |
| 802.11ax HE80                 | 103     | 6465      | 8.5                       | 8.5                       | 8.5                   | 8.5                   | 11.5                        |
|                               | 119     | 6545      | 8.5                       | 8.5                       | 8.5                   | 8.5                   | 11.5                        |
| 802.11ax HE160                | 111     | 6505      | 9.0                       | 9.0                       | 9.0                   | 9.0                   | 12.0                        |

| Tune-up Power (Full)_QCNA765 |         |           |                           |                           |                       |                       |                             |
|------------------------------|---------|-----------|---------------------------|---------------------------|-----------------------|-----------------------|-----------------------------|
| UNII-7                       |         |           |                           |                           |                       |                       |                             |
| 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 0+1<br>Max Tune up |
| 802.11a                      | 121     | 6555      | 1.5                       | 1.5                       | 1.5                   | 1.5                   | 4.5                         |
|                              | 125     | 6575      | 1.5                       | 1.5                       | 1.5                   | 1.5                   | 4.5                         |
|                              | 129     | 6595      | 1.5                       | 1.5                       | 1.5                   | 1.5                   | 4.5                         |
|                              | 133     | 6615      | 1.5                       | 1.5                       | 1.5                   | 1.5                   | 4.5                         |
|                              | 137     | 6635      | 1.5                       | 1.5                       | 1.5                   | 1.5                   | 4.5                         |
|                              | 141     | 6655      | 1.5                       | 1.5                       | 1.5                   | 1.5                   | 4.5                         |
|                              | 145     | 6675      | 1.5                       | 1.5                       | 1.5                   | 1.5                   | 4.5                         |
|                              | 149     | 6695      | 1.5                       | 1.5                       | 1.5                   | 1.5                   | 4.5                         |
|                              | 153     | 6715      | 1.5                       | 1.5                       | 1.5                   | 1.5                   | 4.5                         |
|                              | 157     | 6735      | 1.5                       | 1.5                       | 1.5                   | 1.5                   | 4.5                         |
|                              | 161     | 6755      | 1.5                       | 1.5                       | 1.5                   | 1.5                   | 4.5                         |
|                              | 165     | 6775      | 1.5                       | 1.5                       | 1.5                   | 1.5                   | 4.5                         |
|                              | 169     | 6795      | 1.5                       | 1.5                       | 1.5                   | 1.5                   | 4.5                         |
|                              | 173     | 6815      | 1.5                       | 1.5                       | 1.5                   | 1.5                   | 4.5                         |
|                              | 177     | 6835      | 1.5                       | 1.5                       | 1.5                   | 1.5                   | 4.5                         |
|                              | 181     | 6855      | 1.5                       | 1.5                       | 1.5                   | 1.5                   | 4.5                         |
|                              | 185     | 6875      | 1.5                       | 1.5                       | 1.5                   | 1.5                   | 4.5                         |
| 802.11ax HE20                | 121     | 6555      | 2.5                       | 2.5                       | 2.5                   | 2.5                   | 5.5                         |
|                              | 125     | 6575      | 2.5                       | 2.5                       | 2.5                   | 2.5                   | 5.5                         |
|                              | 129     | 6595      | 2.5                       | 2.5                       | 2.5                   | 2.5                   | 5.5                         |
|                              | 133     | 6615      | 2.5                       | 2.5                       | 2.5                   | 2.5                   | 5.5                         |
|                              | 137     | 6635      | 2.5                       | 2.5                       | 2.5                   | 2.5                   | 5.5                         |
|                              | 141     | 6655      | 2.5                       | 2.5                       | 2.5                   | 2.5                   | 5.5                         |
|                              | 145     | 6675      | 2.5                       | 2.5                       | 2.5                   | 2.5                   | 5.5                         |
|                              | 149     | 6695      | 2.5                       | 2.5                       | 2.5                   | 2.5                   | 5.5                         |
|                              | 153     | 6715      | 2.5                       | 2.5                       | 2.5                   | 2.5                   | 5.5                         |
|                              | 157     | 6735      | 2.5                       | 2.5                       | 2.5                   | 2.5                   | 5.5                         |
|                              | 161     | 6755      | 2.5                       | 2.5                       | 2.5                   | 2.5                   | 5.5                         |
|                              | 165     | 6775      | 2.5                       | 2.5                       | 2.5                   | 2.5                   | 5.5                         |
|                              | 169     | 6795      | 2.5                       | 2.5                       | 2.5                   | 2.5                   | 5.5                         |
|                              | 173     | 6815      | 2.5                       | 2.5                       | 2.5                   | 2.5                   | 5.5                         |
|                              | 177     | 6835      | 2.5                       | 2.5                       | 2.5                   | 2.5                   | 5.5                         |
|                              | 181     | 6855      | 2.5                       | 2.5                       | 2.5                   | 2.5                   | 5.5                         |
|                              | 185     | 6875      | 2.5                       | 2.5                       | 2.5                   | 2.5                   | 5.5                         |
| 802.11ax HE40                | 123     | 6565      | 5.5                       | 5.5                       | 5.5                   | 5.5                   | 8.5                         |
|                              | 131     | 6605      | 5.5                       | 5.5                       | 5.5                   | 5.5                   | 8.5                         |
|                              | 139     | 6645      | 5.5                       | 5.5                       | 5.5                   | 5.5                   | 8.5                         |
|                              | 147     | 6685      | 5.5                       | 5.5                       | 5.5                   | 5.5                   | 8.5                         |
|                              | 155     | 6725      | 5.5                       | 5.5                       | 5.5                   | 5.5                   | 8.5                         |
|                              | 163     | 6765      | 5.5                       | 5.5                       | 5.5                   | 5.5                   | 8.5                         |
|                              | 171     | 6805      | 5.5                       | 5.5                       | 5.5                   | 5.5                   | 8.5                         |
|                              | 179     | 6845      | 5.5                       | 5.5                       | 5.5                   | 5.5                   | 8.5                         |
| 802.11ax HE80                | 187     | 6885      | 5.5                       | 5.5                       | 5.5                   | 5.5                   | 8.5                         |
|                              | 135     | 6625      | 8.5                       | 8.5                       | 8.5                   | 8.5                   | 11.5                        |
|                              | 151     | 6705      | 8.5                       | 8.5                       | 8.5                   | 8.5                   | 11.5                        |
|                              | 167     | 6785      | 8.5                       | 8.5                       | 8.5                   | 8.5                   | 11.5                        |
| 802.11ax HE160               | 183     | 6865      | 8.5                       | 8.5                       | 8.5                   | 8.5                   | 11.5                        |
|                              | 143     | 6665      | 9.0                       | 9.0                       | 9.0                   | 9.0                   | 12.0                        |
|                              | 175     | 6825      | 9.0                       | 9.0                       | 9.0                   | 9.0                   | 12.0                        |

| Tune-up Power (Full)_QCNFA765 |         |           |                           |                           |                       |                       |                             |
|-------------------------------|---------|-----------|---------------------------|---------------------------|-----------------------|-----------------------|-----------------------------|
| UNII-8                        |         |           |                           |                           |                       |                       |                             |
| 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 0+1<br>Max Tune up |
| 802.11a                       | 189     | 6895      | 1.5                       | 1.5                       | 1.5                   | 1.5                   | 4.5                         |
|                               | 193     | 6915      | 1.5                       | 1.5                       | 1.5                   | 1.5                   | 4.5                         |
|                               | 197     | 6935      | 1.5                       | 1.5                       | 1.5                   | 1.5                   | 4.5                         |
|                               | 201     | 6955      | 1.5                       | 1.5                       | 1.5                   | 1.5                   | 4.5                         |
|                               | 205     | 6975      | 1.5                       | 1.5                       | 1.5                   | 1.5                   | 4.5                         |
|                               | 209     | 6995      | 1.5                       | 1.5                       | 1.5                   | 1.5                   | 4.5                         |
|                               | 213     | 7015      | 1.5                       | 1.5                       | 1.5                   | 1.5                   | 4.5                         |
|                               | 217     | 7035      | 1.5                       | 1.5                       | 1.5                   | 1.5                   | 4.5                         |
|                               | 221     | 7055      | 1.5                       | 1.5                       | 1.5                   | 1.5                   | 4.5                         |
|                               | 225     | 7075      | 1.5                       | 1.5                       | 1.5                   | 1.5                   | 4.5                         |
|                               | 229     | 7095      | 1.5                       | 1.5                       | 1.5                   | 1.5                   | 4.5                         |
|                               | 233     | 7115      | 1.0                       | 1.0                       | 1.0                   | 1.0                   | 4.0                         |
| 802.11ax HE20                 | 189     | 6895      | 2.5                       | 2.5                       | 2.5                   | 2.5                   | 5.5                         |
|                               | 193     | 6915      | 2.5                       | 2.5                       | 2.5                   | 2.5                   | 5.5                         |
|                               | 197     | 6935      | 2.5                       | 2.5                       | 2.5                   | 2.5                   | 5.5                         |
|                               | 201     | 6955      | 2.5                       | 2.5                       | 2.5                   | 2.5                   | 5.5                         |
|                               | 205     | 6975      | 2.5                       | 2.5                       | 2.5                   | 2.5                   | 5.5                         |
|                               | 209     | 6995      | 2.5                       | 2.5                       | 2.5                   | 2.5                   | 5.5                         |
|                               | 213     | 7015      | 2.5                       | 2.5                       | 2.5                   | 2.5                   | 5.5                         |
|                               | 217     | 7035      | 2.5                       | 2.5                       | 2.5                   | 2.5                   | 5.5                         |
|                               | 221     | 7055      | 2.5                       | 2.5                       | 2.5                   | 2.5                   | 5.5                         |
|                               | 225     | 7075      | 2.5                       | 2.5                       | 2.5                   | 2.5                   | 5.5                         |
|                               | 229     | 7095      | 2.5                       | 2.5                       | 2.5                   | 2.5                   | 5.5                         |
|                               | 233     | 7115      | -1.0                      | -1.0                      | -1.0                  | -1.0                  | 2.0                         |
| 802.11ax HE40                 | 195     | 6925      | 5.5                       | 5.5                       | 5.5                   | 5.5                   | 8.5                         |
|                               | 203     | 6965      | 5.5                       | 5.5                       | 5.5                   | 5.5                   | 8.5                         |
|                               | 211     | 7005      | 5.5                       | 5.5                       | 5.5                   | 5.5                   | 8.5                         |
|                               | 219     | 7045      | 5.5                       | 5.5                       | 5.5                   | 5.5                   | 8.5                         |
|                               | 227     | 7085      | 5.5                       | 5.5                       | 5.5                   | 5.5                   | 8.5                         |
| 802.11ax HE80                 | 199     | 6945      | 8.5                       | 8.5                       | 8.5                   | 8.5                   | 11.5                        |
|                               | 215     | 7025      | 8.5                       | 8.5                       | 8.5                   | 8.5                   | 11.5                        |
| 802.11ax HE160                | 207     | 6985      | 9.0                       | 9.0                       | 9.0                   | 9.0                   | 12.0                        |

| Tune-up Power (Full)_QCNFA765_SP |         |           |                           |                           |                       |                       |                             |
|----------------------------------|---------|-----------|---------------------------|---------------------------|-----------------------|-----------------------|-----------------------------|
| UNII-5                           |         |           |                           |                           |                       |                       |                             |
| 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 0+1<br>Max Tune up |
| 802.11a                          | 1       | 5955      | 19.0                      | 19.0                      | 19.0                  | 19.0                  | 22.0                        |
|                                  | 5       | 5975      | 19.0                      | 19.0                      | 19.0                  | 19.0                  | 22.0                        |
|                                  | 9       | 5995      | 19.0                      | 19.0                      | 19.0                  | 19.0                  | 22.0                        |
|                                  | 13      | 6015      | 19.0                      | 19.0                      | 19.0                  | 19.0                  | 22.0                        |
|                                  | 17      | 6035      | 19.0                      | 19.0                      | 19.0                  | 19.0                  | 22.0                        |
|                                  | 21      | 6055      | 19.0                      | 19.0                      | 19.0                  | 19.0                  | 22.0                        |
|                                  | 25      | 6075      | 19.0                      | 19.0                      | 19.0                  | 19.0                  | 22.0                        |
|                                  | 29      | 6095      | 19.0                      | 19.0                      | 19.0                  | 19.0                  | 22.0                        |
|                                  | 33      | 6115      | 19.0                      | 19.0                      | 19.0                  | 19.0                  | 22.0                        |
|                                  | 37      | 6135      | 19.0                      | 19.0                      | 19.0                  | 19.0                  | 22.0                        |
|                                  | 41      | 6155      | 19.0                      | 19.0                      | 19.0                  | 19.0                  | 22.0                        |
|                                  | 45      | 6175      | 19.0                      | 19.0                      | 19.0                  | 19.0                  | 22.0                        |
|                                  | 49      | 6195      | 19.0                      | 19.0                      | 19.0                  | 19.0                  | 22.0                        |
|                                  | 53      | 6215      | 19.0                      | 19.0                      | 19.0                  | 19.0                  | 22.0                        |
|                                  | 57      | 6235      | 19.0                      | 19.0                      | 19.0                  | 19.0                  | 22.0                        |
|                                  | 61      | 6255      | 19.0                      | 19.0                      | 19.0                  | 19.0                  | 22.0                        |
|                                  | 65      | 6275      | 19.0                      | 19.0                      | 19.0                  | 19.0                  | 22.0                        |
|                                  | 69      | 6295      | 19.0                      | 19.0                      | 19.0                  | 19.0                  | 22.0                        |
|                                  | 73      | 6315      | 19.0                      | 19.0                      | 19.0                  | 19.0                  | 22.0                        |
|                                  | 77      | 6335      | 19.0                      | 19.0                      | 19.0                  | 19.0                  | 22.0                        |
|                                  | 81      | 6355      | 19.0                      | 19.0                      | 19.0                  | 19.0                  | 22.0                        |
| 802.11ax HE20                    | 85      | 6375      | 19.0                      | 19.0                      | 19.0                  | 19.0                  | 22.0                        |
|                                  | 89      | 6395      | 19.0                      | 19.0                      | 19.0                  | 19.0                  | 22.0                        |
|                                  | 93      | 6415      | 19.0                      | 19.0                      | 19.0                  | 19.0                  | 22.0                        |
|                                  | 1       | 5955      | 16.0                      | 16.0                      | 16.0                  | 16.0                  | 19.0                        |
|                                  | 5       | 5975      | 16.0                      | 16.0                      | 16.0                  | 16.0                  | 19.0                        |
|                                  | 9       | 5995      | 16.0                      | 16.0                      | 16.0                  | 16.0                  | 19.0                        |
|                                  | 13      | 6015      | 16.0                      | 16.0                      | 16.0                  | 16.0                  | 19.0                        |
|                                  | 17      | 6035      | 16.0                      | 16.0                      | 16.0                  | 16.0                  | 19.0                        |
|                                  | 21      | 6055      | 16.0                      | 16.0                      | 16.0                  | 16.0                  | 19.0                        |
|                                  | 25      | 6075      | 16.0                      | 16.0                      | 16.0                  | 16.0                  | 19.0                        |
|                                  | 29      | 6095      | 16.0                      | 16.0                      | 16.0                  | 16.0                  | 19.0                        |
|                                  | 33      | 6115      | 16.0                      | 16.0                      | 16.0                  | 16.0                  | 19.0                        |
|                                  | 37      | 6135      | 16.0                      | 16.0                      | 16.0                  | 16.0                  | 19.0                        |
|                                  | 41      | 6155      | 16.0                      | 16.0                      | 16.0                  | 16.0                  | 19.0                        |
|                                  | 45      | 6175      | 16.0                      | 16.0                      | 16.0                  | 16.0                  | 19.0                        |
|                                  | 49      | 6195      | 16.0                      | 16.0                      | 16.0                  | 16.0                  | 19.0                        |
|                                  | 53      | 6215      | 16.0                      | 16.0                      | 16.0                  | 16.0                  | 19.0                        |
|                                  | 57      | 6235      | 16.0                      | 16.0                      | 16.0                  | 16.0                  | 19.0                        |
|                                  | 61      | 6255      | 16.0                      | 16.0                      | 16.0                  | 16.0                  | 19.0                        |
|                                  | 65      | 6275      | 16.0                      | 16.0                      | 16.0                  | 16.0                  | 19.0                        |
|                                  | 69      | 6295      | 16.0                      | 16.0                      | 16.0                  | 16.0                  | 19.0                        |
|                                  | 73      | 6315      | 16.0                      | 16.0                      | 16.0                  | 16.0                  | 19.0                        |
|                                  | 77      | 6335      | 16.0                      | 16.0                      | 16.0                  | 16.0                  | 19.0                        |
|                                  | 81      | 6355      | 16.0                      | 16.0                      | 16.0                  | 16.0                  | 19.0                        |
|                                  | 85      | 6375      | 16.0                      | 16.0                      | 16.0                  | 16.0                  | 19.0                        |
|                                  | 89      | 6395      | 16.0                      | 16.0                      | 16.0                  | 16.0                  | 19.0                        |
|                                  | 93      | 6415      | 16.0                      | 16.0                      | 16.0                  | 16.0                  | 19.0                        |

| Tune-up Power (Full)_QCNFA765_SP |         |           |                           |                           |                       |                       |                             |
|----------------------------------|---------|-----------|---------------------------|---------------------------|-----------------------|-----------------------|-----------------------------|
| UNII-5                           |         |           |                           |                           |                       |                       |                             |
| 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 0+1<br>Max Tune up |
| 802.11ax HE40                    | 3       | 5965      | 15.5                      | 15.5                      | 15.5                  | 15.5                  | 18.5                        |
|                                  | 11      | 6005      | 15.5                      | 15.5                      | 15.5                  | 15.5                  | 18.5                        |
|                                  | 19      | 6045      | 15.5                      | 15.5                      | 15.5                  | 15.5                  | 18.5                        |
|                                  | 27      | 6085      | 15.5                      | 15.5                      | 15.5                  | 15.5                  | 18.5                        |
|                                  | 35      | 6125      | 15.5                      | 15.5                      | 15.5                  | 15.5                  | 18.5                        |
|                                  | 43      | 6165      | 15.5                      | 15.5                      | 15.5                  | 15.5                  | 18.5                        |
|                                  | 51      | 6205      | 15.5                      | 15.5                      | 15.5                  | 15.5                  | 18.5                        |
|                                  | 59      | 6245      | 15.5                      | 15.5                      | 15.5                  | 15.5                  | 18.5                        |
|                                  | 67      | 6285      | 15.5                      | 15.5                      | 15.5                  | 15.5                  | 18.5                        |
|                                  | 75      | 6325      | 15.5                      | 15.5                      | 15.5                  | 15.5                  | 18.5                        |
|                                  | 83      | 6365      | 15.5                      | 15.5                      | 15.5                  | 15.5                  | 18.5                        |
|                                  | 91      | 6405      | 15.5                      | 15.5                      | 15.5                  | 15.5                  | 18.5                        |
| 802.11ax HE80                    | 7       | 5985      | 15.0                      | 15.0                      | 15.0                  | 15.0                  | 18.0                        |
|                                  | 23      | 6065      | 15.0                      | 15.0                      | 15.0                  | 15.0                  | 18.0                        |
|                                  | 39      | 6145      | 15.0                      | 15.0                      | 15.0                  | 15.0                  | 18.0                        |
|                                  | 55      | 6225      | 15.0                      | 15.0                      | 15.0                  | 15.0                  | 18.0                        |
|                                  | 71      | 6305      | 15.0                      | 15.0                      | 15.0                  | 15.0                  | 18.0                        |
|                                  | 87      | 6385      | 15.0                      | 15.0                      | 15.0                  | 15.0                  | 18.0                        |
| 802.11ax HE160                   | 15      | 6025      | 14.5                      | 14.5                      | 14.5                  | 14.5                  | 17.5                        |
|                                  | 47      | 6185      | 14.5                      | 14.5                      | 14.5                  | 14.5                  | 17.5                        |
|                                  | 79      | 6345      | 14.5                      | 14.5                      | 14.5                  | 14.5                  | 17.5                        |

| Tune-up Power (Full)_QCNFA765_SP |         |           |                           |                           |                       |                       |                             |
|----------------------------------|---------|-----------|---------------------------|---------------------------|-----------------------|-----------------------|-----------------------------|
| UNII-7                           |         |           |                           |                           |                       |                       |                             |
| 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 0+1<br>Max Tune up |
| 802.11a                          | 121     | 6555      | 19.0                      | 19.0                      | 19.0                  | 19.0                  | 22.0                        |
|                                  | 125     | 6575      | 19.0                      | 19.0                      | 19.0                  | 19.0                  | 22.0                        |
|                                  | 129     | 6595      | 19.0                      | 19.0                      | 19.0                  | 19.0                  | 22.0                        |
|                                  | 133     | 6615      | 19.0                      | 19.0                      | 19.0                  | 19.0                  | 22.0                        |
|                                  | 137     | 6635      | 19.0                      | 19.0                      | 19.0                  | 19.0                  | 22.0                        |
|                                  | 141     | 6655      | 19.0                      | 19.0                      | 19.0                  | 19.0                  | 22.0                        |
|                                  | 145     | 6675      | 19.0                      | 19.0                      | 19.0                  | 19.0                  | 22.0                        |
|                                  | 149     | 6695      | 19.0                      | 19.0                      | 19.0                  | 19.0                  | 22.0                        |
|                                  | 153     | 6715      | 19.0                      | 19.0                      | 19.0                  | 19.0                  | 22.0                        |
|                                  | 157     | 6735      | 19.0                      | 19.0                      | 19.0                  | 19.0                  | 22.0                        |
|                                  | 161     | 6755      | 19.0                      | 19.0                      | 19.0                  | 19.0                  | 22.0                        |
|                                  | 165     | 6775      | 19.0                      | 19.0                      | 19.0                  | 19.0                  | 22.0                        |
|                                  | 169     | 6795      | 19.0                      | 19.0                      | 19.0                  | 19.0                  | 22.0                        |
|                                  | 173     | 6815      | 19.0                      | 19.0                      | 19.0                  | 19.0                  | 22.0                        |
|                                  | 177     | 6835      | 19.0                      | 19.0                      | 19.0                  | 19.0                  | 22.0                        |
|                                  | 181     | 6855      | 19.0                      | 19.0                      | 19.0                  | 19.0                  | 22.0                        |
|                                  | 185     | 6875      | 19.0                      | 19.0                      | 19.0                  | 19.0                  | 22.0                        |
| 802.11ax HE20                    | 121     | 6555      | 16.0                      | 16.0                      | 16.0                  | 16.0                  | 19.0                        |
|                                  | 125     | 6575      | 16.0                      | 16.0                      | 16.0                  | 16.0                  | 19.0                        |
|                                  | 129     | 6595      | 16.0                      | 16.0                      | 16.0                  | 16.0                  | 19.0                        |
|                                  | 133     | 6615      | 16.0                      | 16.0                      | 16.0                  | 16.0                  | 19.0                        |
|                                  | 137     | 6635      | 16.0                      | 16.0                      | 16.0                  | 16.0                  | 19.0                        |
|                                  | 141     | 6655      | 16.0                      | 16.0                      | 16.0                  | 16.0                  | 19.0                        |
|                                  | 145     | 6675      | 16.0                      | 16.0                      | 16.0                  | 16.0                  | 19.0                        |
|                                  | 149     | 6695      | 16.0                      | 16.0                      | 16.0                  | 16.0                  | 19.0                        |
|                                  | 153     | 6715      | 16.0                      | 16.0                      | 16.0                  | 16.0                  | 19.0                        |
|                                  | 157     | 6735      | 16.0                      | 16.0                      | 16.0                  | 16.0                  | 19.0                        |
|                                  | 161     | 6755      | 16.0                      | 16.0                      | 16.0                  | 16.0                  | 19.0                        |
|                                  | 165     | 6775      | 16.0                      | 16.0                      | 16.0                  | 16.0                  | 19.0                        |
|                                  | 169     | 6795      | 16.0                      | 16.0                      | 16.0                  | 16.0                  | 19.0                        |
|                                  | 173     | 6815      | 16.0                      | 16.0                      | 16.0                  | 16.0                  | 19.0                        |
|                                  | 177     | 6835      | 16.0                      | 16.0                      | 16.0                  | 16.0                  | 19.0                        |
|                                  | 181     | 6855      | 16.0                      | 16.0                      | 16.0                  | 16.0                  | 19.0                        |
|                                  | 185     | 6875      | 16.0                      | 16.0                      | 16.0                  | 16.0                  | 19.0                        |
| 802.11ax HE40                    | 123     | 6565      | 15.5                      | 15.5                      | 15.5                  | 15.5                  | 18.5                        |
|                                  | 131     | 6605      | 15.5                      | 15.5                      | 15.5                  | 15.5                  | 18.5                        |
|                                  | 139     | 6645      | 15.5                      | 15.5                      | 15.5                  | 15.5                  | 18.5                        |
|                                  | 147     | 6685      | 15.5                      | 15.5                      | 15.5                  | 15.5                  | 18.5                        |
|                                  | 155     | 6725      | 15.5                      | 15.5                      | 15.5                  | 15.5                  | 18.5                        |
|                                  | 163     | 6765      | 15.5                      | 15.5                      | 15.5                  | 15.5                  | 18.5                        |
|                                  | 171     | 6805      | 15.5                      | 15.5                      | 15.5                  | 15.5                  | 18.5                        |
|                                  | 179     | 6845      | 15.5                      | 15.5                      | 15.5                  | 15.5                  | 18.5                        |
|                                  | 187     | 6885      | 15.5                      | 15.5                      | 15.5                  | 15.5                  | 18.5                        |
| 802.11ax HE80                    | 135     | 6625      | 15.0                      | 15.0                      | 15.0                  | 15.0                  | 18.0                        |
|                                  | 151     | 6705      | 15.0                      | 15.0                      | 15.0                  | 15.0                  | 18.0                        |
|                                  | 167     | 6785      | 15.0                      | 15.0                      | 15.0                  | 15.0                  | 18.0                        |
|                                  | 183     | 6865      | 15.0                      | 15.0                      | 15.0                  | 15.0                  | 18.0                        |
| 802.11ax HE160                   | 143     | 6665      | 14.5                      | 14.5                      | 14.5                  | 14.5                  | 17.5                        |
|                                  | 175     | 6825      | 14.5                      | 14.5                      | 14.5                  | 14.5                  | 17.5                        |

## Appendix E. Measured Conducted Power Result

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

| Conducted Power (Full)_QCNFA765 |         |           |                          |
|---------------------------------|---------|-----------|--------------------------|
| WLAN2.4GHz Ant 0                |         |           |                          |
| Mode                            | Channel | Frequency | SISO Ant 0<br>Avg. Power |
| 802.11b                         | 1       | 2412      | 18.75                    |
|                                 | 6       | 2437      | 19.84                    |
|                                 | 11      | 2462      | 18.96                    |
|                                 | 12      | 2467      | 16.82                    |
|                                 | 13      | 2472      | 14.25                    |

| Conducted Power (Full)_QCNFA765 |         |           |                          |
|---------------------------------|---------|-----------|--------------------------|
| WLAN2.4GHz Ant 1                |         |           |                          |
| Mode                            | Channel | Frequency | SISO Ant 1<br>Avg. Power |
| 802.11b                         | 1       | 2412      | 18.95                    |
|                                 | 6       | 2437      | 19.71                    |
|                                 | 11      | 2462      | 18.88                    |
|                                 | 12      | 2467      | 16.97                    |
|                                 | 13      | 2472      | 14.16                    |

| Conducted Power (Full)_QCNFA765 |         |           |                          |                          |                            |
|---------------------------------|---------|-----------|--------------------------|--------------------------|----------------------------|
| WLAN2.4GHz Ant 0+1              |         |           |                          |                          |                            |
| Mode                            | Channel | Frequency | MIMO Ant 0<br>Avg. Power | MIMO Ant 1<br>Avg. Power | MIMO Ant 0+1<br>Avg. Power |
| 802.11b                         | 1       | 2412      | 18.94                    | 16.48                    | 20.89                      |
|                                 | 6       | 2437      | 19.86                    | 18.07                    | 22.07                      |
|                                 | 11      | 2462      | 18.94                    | 16.83                    | 21.02                      |
|                                 | 12      | 2467      | 18.41                    | 15.81                    | 20.31                      |
|                                 | 13      | 2472      | 15.96                    | 13.16                    | 17.79                      |

| Conducted Power (Full)_QCNFA765 |         |           |                          |
|---------------------------------|---------|-----------|--------------------------|
| Bluetooth Ant 1                 |         |           |                          |
| Mode                            | Channel | Frequency | SISO Ant 1<br>Avg. Power |
| BR / EDR                        | 0       | 2402      | 14.14                    |
|                                 | 39      | 2441      | 14.01                    |
|                                 | 78      | 2480      | 14.65                    |
| LE                              | 0       | 2402      | 6.69                     |
|                                 | 19      | 2440      | 6.89                     |
|                                 | 39      | 2480      | 6.96                     |

| Conducted Power (Full)_QCNFA765 |         |           |                          |
|---------------------------------|---------|-----------|--------------------------|
| WLAN 5.3GHz Ant 0               |         |           |                          |
| Mode                            | Channel | Frequency | SISO Ant 0<br>Avg. Power |
| 802.11a                         | 52      | 5260      | 15.95                    |
|                                 | 56      | 5280      | 18.37                    |
|                                 | 60      | 5300      | 18.49                    |
|                                 | 64      | 5320      | 15.82                    |

| Conducted Power (Full)_QCNFA765 |         |           |                          |
|---------------------------------|---------|-----------|--------------------------|
| WLAN 5.3GHz Ant 1               |         |           |                          |
| Mode                            | Channel | Frequency | SISO Ant 1<br>Avg. Power |
| 802.11a                         | 52      | 5260      | 15.98                    |
|                                 | 56      | 5280      | 18.43                    |
|                                 | 60      | 5300      | 18.47                    |
|                                 | 64      | 5320      | 15.89                    |

| Conducted Power (Full)_QCNFA765 |         |           |                          |                          |                            |
|---------------------------------|---------|-----------|--------------------------|--------------------------|----------------------------|
| WLAN 5.3GHz Ant 0+1             |         |           |                          |                          |                            |
| Mode                            | Channel | Frequency | MIMO Ant 0<br>Avg. Power | MIMO Ant 1<br>Avg. Power | MIMO Ant 0+1<br>Avg. Power |
| 802.11a                         | 52      | 5260      | 15.75                    | 15.88                    | 18.83                      |
|                                 | 56      | 5280      | 18.36                    | 17.08                    | 20.78                      |
|                                 | 60      | 5300      | 18.49                    | 17.83                    | 21.18                      |
|                                 | 64      | 5320      | 15.78                    | 14.46                    | 18.18                      |

| Conducted Power (Full)_QCNFA765 |         |           |                          |
|---------------------------------|---------|-----------|--------------------------|
| WLAN 5.6GHz Ant 0               |         |           |                          |
| Mode                            | Channel | Frequency | SISO Ant 0<br>Avg. Power |
| 802.11a                         | 100     | 5500      | 14.96                    |
|                                 | 116     | 5580      | <b>18.47</b>             |
|                                 | 120     | 5600      | 18.43                    |
|                                 | 124     | 5620      | 18.37                    |
|                                 | 132     | 5660      | 18.46                    |
|                                 | 140     | 5700      | 14.47                    |
|                                 | 144     | 5720      | <b>18.91</b>             |

| Conducted Power (Full)_QCNFA765 |         |           |                          |
|---------------------------------|---------|-----------|--------------------------|
| WLAN 5.6GHz Ant 1               |         |           |                          |
| Mode                            | Channel | Frequency | SISO Ant 1<br>Avg. Power |
| 802.11a                         | 100     | 5500      | 14.75                    |
|                                 | 116     | 5580      | <b>18.36</b>             |
|                                 | 120     | 5600      | 18.33                    |
|                                 | 124     | 5620      | 18.18                    |
|                                 | 132     | 5660      | 18.12                    |
|                                 | 140     | 5700      | 14.23                    |
|                                 | 144     | 5720      | 18.78                    |

| Conducted Power (Full)_QCNFA765 |         |           |                          |                          |                            |
|---------------------------------|---------|-----------|--------------------------|--------------------------|----------------------------|
| WLAN 5.6GHz Ant 0+1             |         |           |                          |                          |                            |
| Mode                            | Channel | Frequency | MIMO Ant 0<br>Avg. Power | MIMO Ant 1<br>Avg. Power | MIMO Ant 0+1<br>Avg. Power |
| 802.11a                         | 100     | 5500      | 14.99                    | 13.12                    | 17.17                      |
|                                 | 116     | 5580      | 18.41                    | 17.32                    | 20.91                      |
|                                 | 120     | 5600      | 18.37                    | 16.82                    | 20.67                      |
|                                 | 124     | 5620      | 18.47                    | 16.41                    | 20.57                      |
|                                 | 132     | 5660      | 18.46                    | 15.56                    | 20.26                      |
|                                 | 140     | 5700      | 14.71                    | 14.51                    | 17.62                      |
|                                 | 144     | 5720      | 18.26                    | 18.97                    | 21.64                      |

| Conducted Power (Full)_QCNFA765 |         |           |                          |
|---------------------------------|---------|-----------|--------------------------|
| WLAN 5.8GHz Ant 0               |         |           |                          |
| Mode                            | Channel | Frequency | SISO Ant 0<br>Avg. Power |
| 802.11a                         | 149     | 5745      | 18.33                    |
|                                 | 153     | 5765      | 18.34                    |
|                                 | 157     | 5785      | 18.46                    |
|                                 | 161     | 5805      | 18.48                    |
|                                 | 165     | 5825      | 18.49                    |

| Conducted Power (Full)_QCNFA765 |         |           |                          |
|---------------------------------|---------|-----------|--------------------------|
| WLAN 5.8GHz Ant 1               |         |           |                          |
| Mode                            | Channel | Frequency | SISO Ant 1<br>Avg. Power |
| 802.11a                         | 149     | 5745      | 18.21                    |
|                                 | 153     | 5765      | 18.46                    |
|                                 | 157     | 5785      | 18.37                    |
|                                 | 161     | 5805      | 18.43                    |
|                                 | 165     | 5825      | 18.48                    |

| Conducted Power (Full)_QCNFA765 |         |           |                          |                          |                            |
|---------------------------------|---------|-----------|--------------------------|--------------------------|----------------------------|
| WLAN 5.8GHz Ant 0+1             |         |           |                          |                          |                            |
| Mode                            | Channel | Frequency | MIMO Ant 0<br>Avg. Power | MIMO Ant 1<br>Avg. Power | MIMO Ant 0+1<br>Avg. Power |
| 802.11a                         | 149     | 5745      | 18.38                    | 15.19                    | 20.08                      |
|                                 | 153     | 5765      | 18.23                    | 15.38                    | 20.05                      |
|                                 | 157     | 5785      | 18.32                    | 16.22                    | 20.41                      |
|                                 | 161     | 5805      | 18.35                    | 16.49                    | 20.53                      |
|                                 | 165     | 5825      | 18.39                    | 17.16                    | 20.83                      |

| Conducted Power (Full)_QCNFA765 |         |           |                          |
|---------------------------------|---------|-----------|--------------------------|
| WLAN 5.9GHz Ant 0               |         |           |                          |
| Mode                            | Channel | Frequency | SISO Ant 0<br>Avg. Power |
| 802.11n HT40                    | 167     | 5835      | 15.26                    |
|                                 | 175     | 5875      | 15.49                    |

| Conducted Power (Full)_QCNFA765 |         |           |                          |
|---------------------------------|---------|-----------|--------------------------|
| WLAN 5.9GHz Ant 1               |         |           |                          |
| Mode                            | Channel | Frequency | SISO Ant 1<br>Avg. Power |
| 802.11n HT40                    | 167     | 5835      | 15.31                    |
|                                 | 175     | 5875      | 15.49                    |

| Conducted Power (Full)_QCNFA765 |         |           |                          |                          |                            |
|---------------------------------|---------|-----------|--------------------------|--------------------------|----------------------------|
| WLAN 5.9GHz Ant 0+1             |         |           |                          |                          |                            |
| Mode                            | Channel | Frequency | MIMO Ant 0<br>Avg. Power | MIMO Ant 1<br>Avg. Power | MIMO Ant 0+1<br>Avg. Power |
| 802.11n HT40                    | 167     | 5835      | 15.72                    | 14.14                    | 18.01                      |
|                                 | 175     | 5875      | 15.81                    | 14.21                    | 18.09                      |

| Conducted Power (Full)_QCNFA765 |         |           |                          |
|---------------------------------|---------|-----------|--------------------------|
| UNII-5 Ant 0                    |         |           |                          |
| Mode                            | Channel | Frequency | SISO Ant 0<br>Avg. Power |
| 802.11ax HE160                  | 15      | 6025      | 7.41                     |
|                                 | 47      | 6185      | 7.16                     |
|                                 | 79      | 6345      | 7.26                     |

| Conducted Power (Full)_QCNFA765 |         |           |                          |
|---------------------------------|---------|-----------|--------------------------|
| UNII-5 Ant 1                    |         |           |                          |
| Mode                            | Channel | Frequency | SISO Ant 1<br>Avg. Power |
| 802.11ax HE160                  | 15      | 6025      | 7.42                     |
|                                 | 47      | 6185      | 7.18                     |
|                                 | 79      | 6345      | 7.23                     |

| Conducted Power (Full)_QCNFA765 |         |           |                          |                          |                            |
|---------------------------------|---------|-----------|--------------------------|--------------------------|----------------------------|
| UNII-5 Ant 0+1                  |         |           |                          |                          |                            |
| Mode                            | Channel | Frequency | MIMO Ant 0<br>Avg. Power | MIMO Ant 1<br>Avg. Power | MIMO Ant 0+1<br>Avg. Power |
| 802.11ax HE160                  | 15      | 6025      | 7.49                     | 7.21                     | 10.36                      |
|                                 | 47      | 6185      | 7.29                     | 6.84                     | 10.08                      |
|                                 | 79      | 6345      | 7.21                     | 6.87                     | 10.05                      |

| Conducted Power (Full)_QCNFA765 |         |           |                          |
|---------------------------------|---------|-----------|--------------------------|
| UNII-6 Ant 0                    |         |           |                          |
| Mode                            | Channel | Frequency | SISO Ant 0<br>Avg. Power |
| 802.11ax HE160                  | 111     | 6505      | 7.31                     |

| Conducted Power (Full)_QCNFA765 |         |           |                          |
|---------------------------------|---------|-----------|--------------------------|
| UNII-6 Ant 1                    |         |           |                          |
| Mode                            | Channel | Frequency | SISO Ant 1<br>Avg. Power |
| 802.11ax HE160                  | 111     | 6505      | 7.33                     |

| Conducted Power (Full)_QCNFA765 |         |           |                          |                          |                            |
|---------------------------------|---------|-----------|--------------------------|--------------------------|----------------------------|
| UNII-6 Ant 0+1                  |         |           |                          |                          |                            |
| Mode                            | Channel | Frequency | MIMO Ant 0<br>Avg. Power | MIMO Ant 1<br>Avg. Power | MIMO Ant 0+1<br>Avg. Power |
| 802.11ax HE160                  | 111     | 6505      | 7.33                     | 7.15                     | 10.25                      |

| Conducted Power (Full)_QCNFA765 |         |           |                          |
|---------------------------------|---------|-----------|--------------------------|
| UNII-7 Ant 0                    |         |           |                          |
| Mode                            | Channel | Frequency | SISO Ant 0<br>Avg. Power |
| 802.11ax HE160                  | 143     | 6665      | 7.23                     |
|                                 | 175     | 6825      | 7.04                     |

| Conducted Power (Full)_QCNFA765 |         |           |                          |
|---------------------------------|---------|-----------|--------------------------|
| UNII-7 Ant 1                    |         |           |                          |
| Mode                            | Channel | Frequency | SISO Ant 1<br>Avg. Power |
| 802.11ax HE160                  | 143     | 6665      | 7.31                     |
|                                 | 175     | 6825      | 7.06                     |

| Conducted Power (Full)_QCNFA765 |         |           |                          |                          |                            |
|---------------------------------|---------|-----------|--------------------------|--------------------------|----------------------------|
| UNII-7 Ant 0+1                  |         |           |                          |                          |                            |
| Mode                            | Channel | Frequency | MIMO Ant 0<br>Avg. Power | MIMO Ant 1<br>Avg. Power | MIMO Ant 0+1<br>Avg. Power |
| 802.11ax HE160                  | 143     | 6665      | 7.23                     | 6.77                     | 10.02                      |
|                                 | 175     | 6825      | 7.22                     | 6.76                     | 10.01                      |

| Conducted Power (Full)_QCNFA765 |         |           |                          |
|---------------------------------|---------|-----------|--------------------------|
| UNII-8 Ant 0                    |         |           |                          |
| Mode                            | Channel | Frequency | SISO Ant 0<br>Avg. Power |
| 802.11ax HE160                  | 207     | 6985      | 7.23                     |

| Conducted Power (Full)_QCNFA765 |         |           |                          |
|---------------------------------|---------|-----------|--------------------------|
| UNII-8 Ant 1                    |         |           |                          |
| Mode                            | Channel | Frequency | SISO Ant 1<br>Avg. Power |
| 802.11ax HE160                  | 207     | 6985      | 7.25                     |

| Conducted Power (Full)_QCNFA765 |         |           |                          |                          |                            |
|---------------------------------|---------|-----------|--------------------------|--------------------------|----------------------------|
| UNII-8 Ant 0+1                  |         |           |                          |                          |                            |
| Mode                            | Channel | Frequency | MIMO Ant 0<br>Avg. Power | MIMO Ant 1<br>Avg. Power | MIMO Ant 0+1<br>Avg. Power |
| 802.11ax HE160                  | 207     | 6985      | 7.72                     | 6.42                     | 10.13                      |

| Conducted Power (Full)_QCNFA765_FCC SP |         |           |                          |
|----------------------------------------|---------|-----------|--------------------------|
| UNII-5 Ant 0                           |         |           |                          |
| Mode                                   | Channel | Frequency | SISO Ant 0<br>Avg. Power |
| 802.11a                                | 1       | 5955      | 18.64                    |
|                                        | 5       | 5975      | 18.43                    |
|                                        | 9       | 5995      | 18.21                    |
|                                        | 13      | 6015      | 17.67                    |
|                                        | 17      | 6035      | 18.86                    |
|                                        | 21      | 6055      | 18.97                    |
|                                        | 25      | 6075      | 18.73                    |
|                                        | 29      | 6095      | 18.96                    |
|                                        | 33      | 6115      | 18.91                    |
|                                        | 37      | 6135      | 18.92                    |
|                                        | 41      | 6155      | 18.61                    |
|                                        | 45      | 6175      | 18.45                    |
|                                        | 49      | 6195      | 17.65                    |
|                                        | 53      | 6215      | 17.56                    |
|                                        | 57      | 6235      | 17.19                    |
|                                        | 61      | 6255      | 18.52                    |
|                                        | 65      | 6275      | 18.33                    |
|                                        | 69      | 6295      | 17.98                    |
|                                        | 73      | 6315      | 17.39                    |
|                                        | 77      | 6335      | 17.49                    |
|                                        | 81      | 6355      | 17.52                    |
|                                        | 85      | 6375      | 17.36                    |
|                                        | 89      | 6395      | 17.47                    |
|                                        | 93      | 6415      | 17.53                    |

| Conducted Power (Full)_QCNFA765_FCC SP |         |           |                          |
|----------------------------------------|---------|-----------|--------------------------|
| UNII-5 Ant 1                           |         |           |                          |
| Mode                                   | Channel | Frequency | SISO Ant 1<br>Avg. Power |
| 802.11a                                | 1       | 5955      | 18.95                    |
|                                        | 5       | 5975      | 18.59                    |
|                                        | 9       | 5995      | 18.64                    |
|                                        | 13      | 6015      | 18.84                    |
|                                        | 17      | 6035      | 18.92                    |
|                                        | 21      | 6055      | 18.99                    |
|                                        | 25      | 6075      | 18.86                    |
|                                        | 29      | 6095      | 18.88                    |
|                                        | 33      | 6115      | 18.67                    |
|                                        | 37      | 6135      | 18.82                    |
|                                        | 41      | 6155      | 18.93                    |
|                                        | 45      | 6175      | 18.79                    |
|                                        | 49      | 6195      | 18.21                    |
|                                        | 53      | 6215      | 17.82                    |
|                                        | 57      | 6235      | 17.29                    |
|                                        | 61      | 6255      | 18.96                    |
|                                        | 65      | 6275      | 18.56                    |
|                                        | 69      | 6295      | 18.76                    |
|                                        | 73      | 6315      | 18.68                    |
|                                        | 77      | 6335      | 18.66                    |
|                                        | 81      | 6355      | 18.71                    |
|                                        | 85      | 6375      | 18.84                    |
|                                        | 89      | 6395      | 18.86                    |
|                                        | 93      | 6415      | 18.98                    |

| Conducted Power (Full)_QCNFA765_FCC SP |         |           |                          |                          |                            |
|----------------------------------------|---------|-----------|--------------------------|--------------------------|----------------------------|
| UNII-5 Ant 0+1                         |         |           |                          |                          |                            |
| Mode                                   | Channel | Frequency | MIMO Ant 0<br>Avg. Power | MIMO Ant 1<br>Avg. Power | MIMO Ant 0+1<br>Avg. Power |
| 802.11a                                | 1       | 5955      | 18.68                    | 18.04                    | 21.38                      |
|                                        | 5       | 5975      | 18.79                    | 18.26                    | 21.54                      |
|                                        | 9       | 5995      | 18.45                    | 18.12                    | 21.3                       |
|                                        | 13      | 6015      | 18.15                    | 18.38                    | 21.28                      |
|                                        | 17      | 6035      | 18.78                    | 18.41                    | 21.61                      |
|                                        | 21      | 6055      | 18.16                    | 18.78                    | 21.49                      |
|                                        | 25      | 6075      | 18.33                    | 18.89                    | 21.63                      |
|                                        | 29      | 6095      | 18.07                    | 18.93                    | 21.53                      |
|                                        | 33      | 6115      | 17.69                    | 18.72                    | 21.25                      |
|                                        | 37      | 6135      | 17.63                    | 18.72                    | 21.22                      |
|                                        | 41      | 6155      | 17.66                    | 18.67                    | 21.2                       |
|                                        | 45      | 6175      | 18.21                    | 18.46                    | 21.35                      |
|                                        | 49      | 6195      | 18.67                    | 18.92                    | 21.81                      |
|                                        | 53      | 6215      | 18.64                    | 18.69                    | 21.68                      |
|                                        | 57      | 6235      | 18.52                    | 18.45                    | 21.5                       |
|                                        | 61      | 6255      | 18.47                    | 18.29                    | 21.39                      |
|                                        | 65      | 6275      | 18.35                    | 18.21                    | 21.29                      |
|                                        | 69      | 6295      | 17.85                    | 17.79                    | 20.83                      |
|                                        | 73      | 6315      | 18.13                    | 18.24                    | 21.2                       |
|                                        | 77      | 6335      | 17.96                    | 18.07                    | 21.03                      |
|                                        | 81      | 6355      | 17.88                    | 17.96                    | 20.93                      |
|                                        | 85      | 6375      | 17.63                    | 17.93                    | 20.79                      |
|                                        | 89      | 6395      | 17.88                    | 17.94                    | 20.92                      |
|                                        | 93      | 6415      | 17.91                    | 18.12                    | 21.03                      |

| Conducted Power (Full)_QCNFA765_FCC SP |         |           |                          |
|----------------------------------------|---------|-----------|--------------------------|
| UNII-7 Ant 0                           |         |           |                          |
| Mode                                   | Channel | Frequency | SISO Ant 0<br>Avg. Power |
| 802.11a                                | 121     | 6555      | 18.12                    |
|                                        | 125     | 6575      | 18.21                    |
|                                        | 129     | 6595      | 18.86                    |
|                                        | 133     | 6615      | 18.92                    |
|                                        | 137     | 6635      | 18.87                    |
|                                        | 141     | 6655      | 18.91                    |
|                                        | 145     | 6675      | 18.94                    |
|                                        | 149     | 6695      | 18.91                    |
|                                        | 153     | 6715      | 18.74                    |
|                                        | 157     | 6735      | 18.41                    |
|                                        | 161     | 6755      | 18.21                    |
|                                        | 165     | 6775      | 17.39                    |
|                                        | 169     | 6795      | 17.36                    |
|                                        | 173     | 6815      | 17.42                    |
|                                        | 177     | 6835      | 17.17                    |
|                                        | 181     | 6855      | 17.43                    |
|                                        | 185     | 6875      | 17.59                    |

| Conducted Power (Full)_QCNFA765_FCC SP |         |           |                          |
|----------------------------------------|---------|-----------|--------------------------|
| UNII-7 Ant 1                           |         |           |                          |
| Mode                                   | Channel | Frequency | SISO Ant 1<br>Avg. Power |
| 802.11a                                | 121     | 6555      | 18.92                    |
|                                        | 125     | 6575      | 18.77                    |
|                                        | 129     | 6595      | 18.86                    |
|                                        | 133     | 6615      | 18.94                    |
|                                        | 137     | 6635      | 18.88                    |
|                                        | 141     | 6655      | 18.81                    |
|                                        | 145     | 6675      | 18.76                    |
|                                        | 149     | 6695      | 18.67                    |
|                                        | 153     | 6715      | 18.75                    |
|                                        | 157     | 6735      | 18.71                    |
|                                        | 161     | 6755      | 18.82                    |
|                                        | 165     | 6775      | 18.74                    |
|                                        | 169     | 6795      | 18.78                    |
|                                        | 173     | 6815      | 18.89                    |
|                                        | 177     | 6835      | 18.88                    |
|                                        | 181     | 6855      | 18.71                    |
|                                        | 185     | 6875      | 18.81                    |

| Conducted Power (Full)_QCNFA765_FCC SP |         |           |                          |                          |                            |
|----------------------------------------|---------|-----------|--------------------------|--------------------------|----------------------------|
| UNII-7 Ant 0+1                         |         |           |                          |                          |                            |
| Mode                                   | Channel | Frequency | MIMO Ant 0<br>Avg. Power | MIMO Ant 1<br>Avg. Power | MIMO Ant 0+1<br>Avg. Power |
| 802.11a                                | 121     | 6555      | 18.13                    | 18.87                    | 21.53                      |
|                                        | 125     | 6575      | 18.11                    | 18.92                    | 21.54                      |
|                                        | 129     | 6595      | 18.32                    | 18.75                    | 21.55                      |
|                                        | 133     | 6615      | 18.49                    | 18.71                    | 21.61                      |
|                                        | 137     | 6635      | 18.39                    | 18.64                    | 21.53                      |
|                                        | 141     | 6655      | 18.39                    | 18.84                    | 21.63                      |
|                                        | 145     | 6675      | 18.29                    | 18.67                    | 21.49                      |
|                                        | 149     | 6695      | 18.33                    | 18.42                    | 21.39                      |
|                                        | 153     | 6715      | 18.68                    | 18.85                    | 21.78                      |
|                                        | 157     | 6735      | 18.74                    | 18.62                    | 21.69                      |
|                                        | 161     | 6755      | 18.85                    | 18.66                    | 21.77                      |
|                                        | 165     | 6775      | 18.73                    | 18.64                    | 21.7                       |
|                                        | 169     | 6795      | 18.65                    | 18.68                    | 21.68                      |
|                                        | 173     | 6815      | 18.76                    | 18.63                    | 21.71                      |
|                                        | 177     | 6835      | 18.39                    | 18.88                    | 21.65                      |
|                                        | 181     | 6855      | 18.33                    | 18.75                    | 21.56                      |
|                                        | 185     | 6875      | 18.13                    | 18.67                    | 21.42                      |

## Appendix F. SAR and Incident Power Density Test Result

SAR Results for Body Exposure Condition.

Note:

1. SAR testing for WLAN was performed on the maximum power mode.
2. The "< 0.001" means there is no SAR value or the SAR is too low to be measured.
3. Per Apr. 2021 TCB Workshop U-NII 6-7G interim procedures, the incident power density were performed with the highest SAR configuration on U-NII 6-7G bands and measured results were scaled by factor 1.545 to reported power density when measurement uncertainty exceed 30%.

## Body SAR Test Result

| System & Position |          |         |                  |                          |         | DUT Configuration | SAR        |              |                          |                                |                |                  |                        |                      |
|-------------------|----------|---------|------------------|--------------------------|---------|-------------------|------------|--------------|--------------------------|--------------------------------|----------------|------------------|------------------------|----------------------|
| Plot No.          | Band     | Mode    | Test Position    | Separation Distance (mm) | Channel | 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) |
| 7                 | WLAN2.4G | 802.11b | Bottom of Laptop | 0                        | 6       | Ant 0             | 100.00     | 1.00         | 20.50                    | 19.84                          | 1.16           | 0.02             | 0.101                  | 0.12                 |
|                   | WLAN2.4G | 802.11b | Bottom of Laptop | 0                        | 6       | Ant 1             | 100.00     | 1.00         | 20.50                    | 19.71                          | 1.20           | -0.15            | 0.169                  | 0.20                 |
|                   | WLAN2.4G | 802.11b | Bottom of Laptop | 0                        | 6       | Ant 0+1           | 100.00     | 1.00         | 23.50                    | 22.07                          | 1.39           | 0.01             | 0.234                  | 0.33                 |
|                   | WLAN2.4G | 802.11b | Bottom of Laptop | 0                        | 1       | Ant 0+1           | 100.00     | 1.00         | 22.50                    | 20.89                          | 1.45           | -0.13            | 0.142                  | 0.21                 |
|                   | WLAN2.4G | 802.11b | Bottom of Laptop | 0                        | 11      | Ant 0+1           | 100.00     | 1.00         | 22.50                    | 21.02                          | 1.41           | 0.05             | 0.195                  | 0.27                 |
|                   | WLAN2.4G | 802.11b | Bottom of Laptop | 0                        | 12      | Ant 0+1           | 100.00     | 1.00         | 21.50                    | 20.31                          | 1.32           | 0.02             | 0.123                  | 0.16                 |
|                   | WLAN2.4G | 802.11b | Bottom of Laptop | 0                        | 13      | Ant 0+1           | 100.00     | 1.00         | 19.00                    | 17.79                          | 1.32           | -0.15            | 0.071                  | 0.09                 |
|                   |          |         |                  |                          |         |                   |            |              |                          |                                |                |                  |                        |                      |
| 8                 | WLAN5.3G | 802.11a | Bottom of Laptop | 0                        | 60      | Ant 0             | 98.50      | 1.02         | 19.00                    | 18.49                          | 1.12           | 0.18             | 0.035                  | 0.04                 |
|                   | WLAN5.3G | 802.11a | Bottom of Laptop | 0                        | 60      | Ant 1             | 99.00      | 1.01         | 19.00                    | 18.47                          | 1.13           | -0.04            | 0.073                  | 0.08                 |
|                   | WLAN5.3G | 802.11a | Bottom of Laptop | 0                        | 60      | Ant 0+1           | 98.00      | 1.02         | 22.00                    | 21.18                          | 1.21           | 0.19             | 0.073                  | 0.09                 |
|                   | WLAN5.3G | 802.11a | Bottom of Laptop | 0                        | 52      | Ant 0+1           | 98.00      | 1.02         | 19.00                    | 18.83                          | 1.04           | 0.07             | 0.051                  | 0.05                 |
|                   | WLAN5.3G | 802.11a | Bottom of Laptop | 0                        | 56      | Ant 0+1           | 98.00      | 1.02         | 22.00                    | 20.78                          | 1.32           | 0.07             | 0.075                  | 0.10                 |
|                   | WLAN5.3G | 802.11a | Bottom of Laptop | 0                        | 64      | Ant 0+1           | 98.00      | 1.02         | 19.00                    | 18.18                          | 1.21           | 0.04             | 0.036                  | 0.04                 |
|                   |          |         |                  |                          |         |                   |            |              |                          |                                |                |                  |                        |                      |
| 9                 | WLAN5.6G | 802.11a | Bottom of Laptop | 0                        | 144     | Ant 0             | 98.50      | 1.02         | 19.00                    | 18.91                          | 1.02           | -0.02            | 0.045                  | 0.05                 |
|                   | WLAN5.6G | 802.11a | Bottom of Laptop | 0                        | 144     | Ant 1             | 99.00      | 1.01         | 19.00                    | 18.78                          | 1.05           | 0.07             | 0.048                  | 0.05                 |
|                   | WLAN5.6G | 802.11a | Bottom of Laptop | 0                        | 144     | Ant 0+1           | 98.00      | 1.02         | 22.00                    | 21.64                          | 1.09           | -0.13            | 0.052                  | 0.06                 |
|                   | WLAN5.6G | 802.11a | Bottom of Laptop | 0                        | 100     | Ant 0+1           | 98.00      | 1.02         | 19.00                    | 17.17                          | 1.52           | -0.11            | 0.039                  | 0.06                 |
|                   | WLAN5.6G | 802.11a | Bottom of Laptop | 0                        | 116     | Ant 0+1           | 98.00      | 1.02         | 21.50                    | 20.91                          | 1.15           | 0.03             | 0.053                  | 0.06                 |
|                   | WLAN5.6G | 802.11a | Bottom of Laptop | 0                        | 120     | Ant 0+1           | 98.00      | 1.02         | 21.50                    | 20.67                          | 1.21           | -0.13            | 0.047                  | 0.06                 |
|                   | WLAN5.6G | 802.11a | Bottom of Laptop | 0                        | 124     | Ant 0+1           | 98.00      | 1.02         | 21.50                    | 20.57                          | 1.24           | 0.12             | 0.044                  | 0.06                 |
|                   | WLAN5.6G | 802.11a | Bottom of Laptop | 0                        | 132     | Ant 0+1           | 98.00      | 1.02         | 21.50                    | 20.26                          | 1.33           | -0.08            | 0.038                  | 0.05                 |
|                   | WLAN5.6G | 802.11a | Bottom of Laptop | 0                        | 140     | Ant 0+1           | 98.00      | 1.02         | 19.00                    | 17.62                          | 1.37           | 0                | <0.001                 | 0.00                 |
|                   |          |         |                  |                          |         |                   |            |              |                          |                                |                |                  |                        |                      |
| 10                | WLAN5.8G | 802.11a | Bottom of Laptop | 0                        | 165     | Ant 0             | 98.50      | 1.02         | 19.00                    | 18.49                          | 1.12           | 0.1              | 0.026                  | 0.03                 |
|                   | WLAN5.8G | 802.11a | Bottom of Laptop | 0                        | 165     | Ant 1             | 99.00      | 1.01         | 19.00                    | 18.48                          | 1.13           | -0.13            | 0.029                  | 0.03                 |
|                   | WLAN5.8G | 802.11a | Bottom of Laptop | 0                        | 165     | Ant 0+1           | 98.00      | 1.02         | 22.00                    | 20.83                          | 1.31           | -0.16            | 0.03                   | 0.04                 |
|                   | WLAN5.8G | 802.11a | Bottom of Laptop | 0                        | 149     | Ant 0+1           | 98.00      | 1.02         | 22.00                    | 20.08                          | 1.56           | -0.05            | 0.032                  | 0.05                 |
|                   | WLAN5.8G | 802.11a | Bottom of Laptop | 0                        | 153     | Ant 0+1           | 98.00      | 1.02         | 22.00                    | 20.05                          | 1.57           | 0.05             | 0.023                  | 0.04                 |
|                   | WLAN5.8G | 802.11a | Bottom of Laptop | 0                        | 157     | Ant 0+1           | 98.00      | 1.02         | 22.00                    | 20.41                          | 1.44           | -0.04            | 0.024                  | 0.04                 |
|                   | WLAN5.8G | 802.11a | Bottom of Laptop | 0                        | 161     | Ant 0+1           | 98.00      | 1.02         | 22.00                    | 20.53                          | 1.40           | 0.13             | 0.027                  | 0.04                 |
|                   |          |         |                  |                          |         |                   |            |              |                          |                                |                |                  |                        |                      |

## Body SAR Test Result

| Body SAR Test Result |          |              |                  |                          |         |                   |            |              |                          |                                |                |                  |                        |                      |
|----------------------|----------|--------------|------------------|--------------------------|---------|-------------------|------------|--------------|--------------------------|--------------------------------|----------------|------------------|------------------------|----------------------|
| System & Position    |          |              |                  |                          |         | DUT Configuration | 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) |
|                      | WLAN5.9G | 802.11n HT40 | Bottom of Laptop | 0                        | 175     | Ant 0             | 98.30      | 1.02         | 17.00                    | 15.49                          | 1.42           | 0.1              | 0.023                  | 0.03                 |
|                      | WLAN5.9G | 802.11n HT40 | Bottom of Laptop | 0                        | 175     | Ant 1             | 98.90      | 1.01         | 17.00                    | 15.49                          | 1.42           | -0.01            | 0.024                  | 0.03                 |
| 11                   | WLAN5.9G | 802.11n HT40 | Bottom of Laptop | 0                        | 175     | Ant 0+1           | 98.30      | 1.02         | 20.00                    | 18.09                          | 1.55           | 0.12             | 0.026                  | 0.04                 |
|                      | WLAN5.9G | 802.11n HT40 | Bottom of Laptop | 0                        | 167     | Ant 0+1           | 98.30      | 1.02         | 20.00                    | 18.01                          | 1.58           | 0.03             | 0.021                  | 0.03                 |
|                      |          |              |                  |                          |         |                   |            |              |                          |                                |                |                  |                        |                      |
| 12                   | BT       | BDR          | Bottom of Laptop | 0                        | 78      | Ant 1             | 77.13      | 1.30         | 16.00                    | 14.65                          | 1.36           | 0                | <0.001                 | 0.00                 |
|                      | BT       | BDR          | Bottom of Laptop | 0                        | 0       | Ant 1             | 77.13      | 1.30         | 16.00                    | 14.14                          | 1.53           | 0                | <0.001                 | 0.00                 |
|                      | BT       | BDR          | Bottom of Laptop | 0                        | 39      | Ant 1             | 77.13      | 1.30         | 16.00                    | 14.01                          | 1.58           | 0                | <0.001                 | 0.00                 |
|                      |          |              |                  |                          |         |                   |            |              |                          |                                |                |                  |                        |                      |



| SAR and Power Density Test Result |        |                |                  |                          |         |                   |              |            |              |                          |                                |                |                  |                        |                      |                          |                        |               |            |                                            |                      |                  |                    |                           |                   |                          |  |
|-----------------------------------|--------|----------------|------------------|--------------------------|---------|-------------------|--------------|------------|--------------|--------------------------|--------------------------------|----------------|------------------|------------------------|----------------------|--------------------------|------------------------|---------------|------------|--------------------------------------------|----------------------|------------------|--------------------|---------------------------|-------------------|--------------------------|--|
| System & Position                 |        |                |                  |                          |         | DUT Configuration |              | SAR        |              |                          |                                |                |                  |                        |                      |                          |                        | Power Density |            |                                            |                      |                  |                    |                           |                   |                          |  |
| Plot No.                          | Band   | Mode           | Test Position    | Separation Distance (mm) | Channel | Ant Status        | Power Status | Duty Cycle | Crest Factor | Max. Tune-up Power (dBm) | Measured Conducted Power (dBm) | Scaling Factor | Power Drift (dB) | Measured SAR-1g (W/kg) | Scaled SAR-1g (W/kg) | Measured APD W/m² (4cm²) | Scaled APD W/m² (4cm²) | Grid Step [λ] | iPD [W/m²] | Scaling Factor for Measurement Uncertainty | Averaging Area [cm²] | Power Drift [dB] | Normal psPD [W/m²] | Scaled Normal psPD [W/m²] | Total psPD [W/m²] | Scaled Total psPD [W/m²] |  |
|                                   | UNII-5 | 802.11ax HE160 | Bottom of Laptop | 0                        | 15      | Ant 0             | LPI          | 99.10      | 1.01         | 9.00                     | 7.41                           | 1.44           | 0                | <0.001                 | 0.00                 | <0.001                   | 0.00                   |               |            |                                            |                      |                  |                    |                           |                   |                          |  |
|                                   | UNII-5 | 802.11ax HE160 | Bottom of Laptop | 0                        | 15      | Ant 1             | LPI          | 99.10      | 1.01         | 9.00                     | 7.42                           | 1.44           | 0                | <0.001                 | 0.00                 | <0.001                   | 0.00                   |               |            |                                            |                      |                  |                    |                           |                   |                          |  |
| 14                                | UNII-5 | 802.11ax HE160 | Bottom of Laptop | 0                        | 15      | Ant 0+1           | LPI          | 97.70      | 1.02         | 12.00                    | 10.36                          | 1.46           | 0                | <0.001                 | 0.00                 | <0.001                   | 0.00                   | 0.0502        | 3.33       | 1.545                                      | 4.00                 | -0.06            | 0.108              | 0.17                      | 0.317             | 0.73                     |  |
|                                   | UNII-5 | 802.11ax HE160 | Bottom of Laptop | 0                        | 47      | Ant 0+1           | LPI          | 97.70      | 1.02         | 12.00                    | 10.08                          | 1.56           | 0                | <0.001                 | 0.00                 | <0.001                   | 0.00                   | 0.0515        | 3.07       | 1.545                                      | 4.00                 | -0.02            | 0.099              | 0.16                      | 0.283             | 0.7                      |  |
|                                   | UNII-5 | 802.11ax HE160 | Bottom of Laptop | 0                        | 79      | Ant 0+1           | LPI          | 97.70      | 1.02         | 12.00                    | 10.05                          | 1.57           | 0                | <0.001                 | 0.00                 | <0.001                   | 0.00                   | 0.0529        | 3.23       | 1.545                                      | 4.00                 | 0.04             | 0.094              | 0.15                      | 0.287             | 0.71                     |  |
|                                   | UNII-6 | 802.11ax HE160 | Bottom of Laptop | 0                        | 111     | Ant 0+1           | LPI          | 97.70      | 1.02         | 12.00                    | 10.25                          | 1.50           | 0                | <0.001                 | 0.00                 | <0.001                   | 0.00                   | 0.0542        | 3.29       | 1.545                                      | 4.00                 | 0.06             | 0.092              | 0.14                      | 0.293             | 0.69                     |  |
|                                   | UNII-7 | 802.11ax HE160 | Bottom of Laptop | 0                        | 143     | Ant 0+1           | LPI          | 97.70      | 1.02         | 12.00                    | 10.02                          | 1.58           | 0                | <0.001                 | 0.00                 | <0.001                   | 0.00                   | 0.0555        | 3.22       | 1.545                                      | 4.00                 | 0.02             | 0.096              | 0.15                      | 0.286             | 0.71                     |  |
|                                   | UNII-7 | 802.11ax HE160 | Bottom of Laptop | 0                        | 175     | Ant 0+1           | LPI          | 97.70      | 1.02         | 12.00                    | 10.01                          | 1.58           | 0                | <0.001                 | 0.00                 | <0.001                   | 0.00                   |               |            |                                            |                      |                  |                    |                           |                   |                          |  |
|                                   | UNII-8 | 802.11ax HE160 | Bottom of Laptop | 0                        | 207     | Ant 0+1           | LPI          | 97.70      | 1.02         | 12.00                    | 10.13                          | 1.54           | 0                | <0.001                 | 0.00                 | <0.001                   | 0.00                   |               |            |                                            |                      |                  |                    |                           |                   |                          |  |
|                                   |        |                |                  |                          |         |                   |              |            |              |                          |                                |                |                  |                        |                      |                          |                        |               |            |                                            |                      |                  |                    |                           |                   |                          |  |
|                                   | UNII-5 | 802.11a        | Bottom of Laptop | 0                        | 21      | Ant0              | SP           | 98.50      | 1.02         | 19.00                    | 18.97                          | 1.01           | 0.15             | 0.079                  | 0.08                 | 0.669                    | 0.69                   |               |            |                                            |                      |                  |                    |                           |                   |                          |  |
|                                   | UNII-5 | 802.11a        | Bottom of Laptop | 0                        | 21      | Ant1              | SP           | 99.00      | 1.01         | 19.00                    | 18.99                          | 1.00           | 0.04             | 0.048                  | 0.05                 | 0.41                     | 0.41                   |               |            |                                            |                      |                  |                    |                           |                   |                          |  |
|                                   | UNII-5 | 802.11a        | Bottom of Laptop | 0                        | 49      | Ant0+1            | SP           | 98.00      | 1.02         | 22.00                    | 21.81                          | 1.04           | 0.1              | 0.059                  | 0.06                 | 0.502                    | 0.53                   |               |            |                                            |                      |                  |                    |                           |                   |                          |  |
|                                   | UNII-5 | 802.11a        | Bottom of Laptop | 0                        | 1       | Ant0              | SP           | 98.50      | 1.02         | 19.00                    | 18.64                          | 1.09           | 0                | 0.043                  | 0.05                 | 0.365                    | 0.41                   |               |            |                                            |                      |                  |                    |                           |                   |                          |  |
|                                   | UNII-5 | 802.11a        | Bottom of Laptop | 0                        | 5       | Ant0              | SP           | 98.50      | 1.02         | 19.00                    | 18.43                          | 1.14           | 0.14             | 0.079                  | 0.09                 | 0.669                    | 0.78                   |               |            |                                            |                      |                  |                    |                           |                   |                          |  |
|                                   | UNII-5 | 802.11a        | Bottom of Laptop | 0                        | 9       | Ant0              | SP           | 98.50      | 1.02         | 19.00                    | 18.21                          | 1.20           | -0.18            | 0.083                  | 0.10                 | 0.707                    | 0.87                   |               |            |                                            |                      |                  |                    |                           |                   |                          |  |
|                                   | UNII-5 | 802.11a        | Bottom of Laptop | 0                        | 13      | Ant0              | SP           | 98.50      | 1.02         | 19.00                    | 17.67                          | 1.36           | 0.02             | 0.052                  | 0.07                 | 0.441                    | 0.61                   |               |            |                                            |                      |                  |                    |                           |                   |                          |  |
|                                   | UNII-5 | 802.11a        | Bottom of Laptop | 0                        | 17      | Ant0              | SP           | 98.50      | 1.02         | 19.00                    | 18.86                          | 1.03           | -0.13            | 0.093                  | 0.10                 | 0.791                    | 0.83                   |               |            |                                            |                      |                  |                    |                           |                   |                          |  |
|                                   | UNII-5 | 802.11a        | Bottom of Laptop | 0                        | 25      | Ant0              | SP           | 98.50      | 1.02         | 19.00                    | 18.73                          | 1.06           | 0.12             | 0.07                   | 0.08                 | 0.601                    | 0.65                   |               |            |                                            |                      |                  |                    |                           |                   |                          |  |
|                                   | UNII-5 | 802.11a        | Bottom of Laptop | 0                        | 29      | Ant0              | SP           | 98.50      | 1.02         | 19.00                    | 18.96                          | 1.01           | 0.14             | 0.072                  | 0.07                 | 0.616                    | 0.63                   |               |            |                                            |                      |                  |                    |                           |                   |                          |  |
|                                   | UNII-5 | 802.11a        | Bottom of Laptop | 0                        | 33      | Ant0              | SP           | 98.50      | 1.02         | 19.00                    | 18.91                          | 1.02           | 0.17             | 0.067                  | 0.07                 | 0.57                     | 0.59                   |               |            |                                            |                      |                  |                    |                           |                   |                          |  |
|                                   | UNII-5 | 802.11a        | Bottom of Laptop | 0                        | 37      | Ant0              | SP           | 98.50      | 1.02         | 19.00                    | 18.92                          | 1.02           | -0.03            | 0.065                  | 0.07                 | 0.555                    | 0.58                   |               |            |                                            |                      |                  |                    |                           |                   |                          |  |
|                                   | UNII-5 | 802.11a        | Bottom of Laptop | 0                        | 41      | Ant0              | SP           | 98.50      | 1.02         | 19.00                    | 18.61                          | 1.09           | -0.16            | 0.068                  | 0.08                 | 0.578                    | 0.64                   |               |            |                                            |                      |                  |                    |                           |                   |                          |  |
|                                   | UNII-5 | 802.11a        | Bottom of Laptop | 0                        | 45      | Ant0              | SP           | 98.50      | 1.02         | 19.00                    | 18.45                          | 1.14           | 0.11             | 0.058                  | 0.07                 | 0.494                    | 0.57                   |               |            |                                            |                      |                  |                    |                           |                   |                          |  |
|                                   | UNII-5 | 802.11a        | Bottom of Laptop | 0                        | 49      | Ant0              | SP           | 98.50      | 1.02         | 19.00                    | 17.65                          | 1.36           | -0.14            | 0.076                  | 0.11                 | 0.646                    | 0.9                    |               |            |                                            |                      |                  |                    |                           |                   |                          |  |
|                                   | UNII-5 | 802.11a        | Bottom of Laptop | 0                        | 53      | Ant0              | SP           | 98.50      | 1.02         | 19.00                    | 17.56                          | 1.39           | 0.01             | 0.081                  | 0.11                 | 0.692                    | 0.98                   |               |            |                                            |                      |                  |                    |                           |                   |                          |  |
|                                   | UNII-5 | 802.11a        | Bottom of Laptop | 0                        | 57      | Ant0              | SP           | 98.50      | 1.02         | 19.00                    | 17.19                          | 1.52           | 0.04             | 0.099                  | 0.15                 | 0.844                    | 1.31                   |               |            |                                            |                      |                  |                    |                           |                   |                          |  |
|                                   | UNII-5 | 802.11a        | Bottom of Laptop | 0                        | 61      | Ant0              | SP           | 98.50      | 1.02         | 19.00                    | 18.52                          | 1.12           | 0.19             | 0.088                  | 0.10                 | 0.753                    | 0.86                   |               |            |                                            |                      |                  |                    |                           |                   |                          |  |
|                                   | UNII-5 | 802.11a        | Bottom of Laptop | 0                        | 65      | Ant0              | SP           | 98.50      | 1.02         | 19.00                    | 18.33                          | 1.17           | -0.18            | 0.117                  | 0.14                 | 0.996                    | 1.19                   |               |            |                                            |                      |                  |                    |                           |                   |                          |  |
|                                   | UNII-5 | 802.11a        | Bottom of Laptop | 0                        | 69      | Ant0              | SP           | 98.50      | 1.02         | 19.00                    | 17.98                          | 1.26           | 0.05             | 0.095                  | 0.12                 | 0.806                    | 1.04                   |               |            |                                            |                      |                  |                    |                           |                   |                          |  |
|                                   | UNII-5 | 802.11a        | Bottom of Laptop | 0                        | 73      | Ant0              | SP           | 98.50      | 1.02         | 19.00                    | 17.39                          | 1.45           | 0.13             | 0.059                  | 0.09                 | 0.502                    | 0.74                   |               |            |                                            |                      |                  |                    |                           |                   |                          |  |
|                                   | UNII-5 | 802.11a        | Bottom of Laptop | 0                        | 77      | Ant0              | SP           | 98.50      | 1.02         | 19.00                    | 17.49                          | 1.42           | -0.01            | 0.058                  | 0.08                 | 0.494                    | 0.72                   |               |            |                                            |                      |                  |                    |                           |                   |                          |  |
|                                   | UNII-5 | 802.11a        | Bottom of Laptop | 0                        | 81      | Ant0              | SP           | 98.50      | 1.02         | 19.00                    | 17.52                          | 1.41           | 0.01             | 0.034                  | 0.05                 | 0.289                    | 0.42                   |               |            |                                            |                      |                  |                    |                           |                   |                          |  |
|                                   | UNII-5 | 802.11a        | Bottom of Laptop | 0                        | 85      | Ant0              | SP           | 98.50      | 1.02         | 19.00                    | 17.36                          | 1.46           | 0.09             | 0.042                  | 0.06                 | 0.357                    | 0.53                   |               |            |                                            |                      |                  |                    |                           |                   |                          |  |
|                                   | UNII-5 | 802.11a        | Bottom of Laptop | 0                        | 89      | Ant0              | SP           | 98.50      | 1.02         | 19.00                    | 17.47                          | 1.42           | -0.14            | 0.063                  | 0.09                 | 0.54                     | 0.78                   |               |            |                                            |                      |                  |                    |                           |                   |                          |  |
|                                   | UNII-5 | 802.11a        | Bottom of Laptop | 0                        | 93      | Ant0              | SP           | 98.50      | 1.02         | 19.00                    | 17.53                          | 1.40           | 0.03             | 0.03                   | 0.04                 | 0.258                    | 0.37                   |               |            |                                            |                      |                  |                    |                           |                   |                          |  |
|                                   | UNII-7 | 802.11a        | Bottom of Laptop | 0                        | 121     | Ant0              | SP           | 98.50      | 1.02         | 19.00                    | 18.12                          | 1.22           | 0.17             | 0.104                  | 0.13                 | 0.882                    | 1.1                    |               |            |                                            |                      |                  |                    |                           |                   |                          |  |
|                                   | UNII-7 | 802.11a        | Bottom of Laptop | 0                        | 125     | Ant0              | SP           | 98.50      | 1.02         | 19.00                    | 18.21                          | 1.20           | -0.05            | 0.118                  | 0.14                 | 1                        | 1.22                   |               |            |                                            |                      |                  |                    |                           |                   |                          |  |
|                                   | UNII-7 | 802.11a        | Bottom of Laptop | 0                        | 129     | Ant0              | SP           | 98.50      | 1.02         | 19.00                    | 18.86                          | 1.03           | 0.17             | 0.095                  | 0.10                 | 0.806                    | 0.85                   |               |            |                                            |                      |                  |                    |                           |                   |                          |  |
|                                   | UNII-7 | 802.11a        | Bottom of Laptop | 0                        | 133     | Ant0              | SP           | 98.50      | 1.02         | 19.00                    | 18.92                          | 1.02           | -0.08            | 0.092                  | 0.10                 | 0.783                    | 0.81                   |               |            |                                            |                      |                  |                    |                           |                   |                          |  |
|                                   | UNII-7 | 802.11a        | Bottom of Laptop | 0                        | 137     | Ant0              | SP           | 98.50      | 1.02         | 19.00                    | 18.87                          | 1.03           | -0.1             | 0.086                  | 0.09                 | 0.73                     | 0.77                   |               |            |                                            |                      |                  |                    |                           |                   |                          |  |
|                                   | UNII-7 | 802.11a        | Bottom of Laptop | 0                        | 141     | Ant0              | SP           | 98.50      | 1.02         | 19.00                    | 18.91                          | 1.02           | -0.07            | 0.061                  | 0.06                 | 0.517                    | 0.54                   |               |            |                                            |                      |                  |                    |                           |                   |                          |  |
|                                   | UNII-7 | 802.11a        | Bottom of Laptop | 0                        | 145     | Ant0              | SP           | 98.50      | 1.02         | 19.00                    | 18.94                          | 1.01           | 0.01             | 0.066                  | 0.07                 | 0.562                    | 0.58                   |               |            |                                            |                      |                  |                    |                           |                   |                          |  |
|                                   | UNII-7 | 802.11a        | Bottom of Laptop | 0                        | 149     | Ant0              | SP           | 98.50      | 1.02         | 19.00                    | 18.91                          | 1.02           | 0.02             | 0.061                  | 0.06                 | 0.517                    | 0.54                   |               |            |                                            |                      |                  |                    |                           |                   |                          |  |
|                                   | UNII-7 | 802.11a        | Bottom of Laptop | 0                        | 153     | Ant0              | SP           | 98.50      | 1.02         | 19.00                    | 18.74                          | 1.06           | -0.12            | 0.066                  | 0.07                 | 0.562                    | 0.61                   |               |            |                                            |                      |                  |                    |                           |                   |                          |  |
|                                   | UNII-7 | 802.11a        | Bottom of Laptop | 0                        | 157     | Ant0              | SP           | 98.50      | 1.02         | 19.00                    | 18.41                          | 1.15           | 0.17             | 0.099                  | 0.12                 | 0.844                    | 0.99                   |               |            |                                            |                      |                  |                    |                           |                   |                          |  |
|                                   | UNII-7 | 802.11a        | Bottom of Laptop | 0                        | 161     | Ant0              | SP           | 98.50      | 1.02         | 19.00                    | 18.21                          | 1.20           | -0.06            | 0.103                  | 0.13                 | 0.874                    | 1.07                   |               |            |                                            |                      |                  |                    |                           |                   |                          |  |
|                                   | UNII-7 | 802.11a        | Bottom of Laptop | 0                        | 165     | Ant0              | SP           | 98.50      | 1.02         | 19.00                    | 17.39                          | 1.45           | 0.05             | 0.132                  | 0.20                 | 1.12                     | 1.66                   |               |            |                                            |                      |                  |                    |                           |                   |                          |  |
|                                   | UNII-7 | 802.11a        | Bottom of Laptop | 0                        | 169     | Ant0              | SP           | 98.50      | 1.02         | 19.00                    | 17.36                          | 1.46           | -0.03            | 0.175                  | 0.26                 | 1.48                     | 2.2                    | 0.0569        | 36.75      | 1.545                                      | 4.00                 | 0.02             | 1.28               | 2.02                      | 1.77              | 4.07                     |  |
|                                   | UNII-7 | 802.11a        | Bottom of Laptop | 0                        | 173     | Ant0              | SP           | 98.50      | 1.02         | 19.00                    | 17.42                          | 1.44           | -0.09            | 0.183                  | 0.27                 | 1.55                     | 2.28                   | 0.0569        | 38.17      | 1.545                                      | 4.00                 | -0.15            | 1.33               | 2.1                       | 1.81              | 4.11                     |  |
|                                   | UNII-7 | 802.11a        | Bottom of Laptop | 0                        | 177     | Ant0              | SP           | 98.50      | 1.02         | 19.00                    | 17.17                          | 1.52           | 0.18             | 0.2                    | 0.31                 | 1.69                     | 2.62                   | 0.0569        | 43.85      | 1.545                                      | 4.00                 | 0.07             | 1.55               | 2.44                      | 1.96              | 4.69                     |  |
| 15                                | UNII-7 | 802.11a        | Bottom of Laptop | 0                        | 181     | Ant0              | SP           | 98.50      | 1.02         | 19.00                    | 17.43                          | 1.44           | 0.06             | 0.229                  | 0.34                 | 1.94                     | 2.85                   | 0.0569        | 48.10      | 1.545                                      | 4.00                 | 0.13             | 1.68               | 2.65                      | 2.32              | 5.26                     |  |
|                                   | UNII-7 | 802.11a        | Bottom of Laptop | 0                        | 185     | Ant0              | SP           | 98.50      | 1.02         | 19.00                    | 17.59                          | 1.38           | 0.06             | 0.216                  | 0.30                 | 1.83                     | 2.58                   | 0.0569        | 42.46      | 1.545                                      | 4.00                 | 0.08             | 1.48               | 2.33                      | 1.91              | 4.15                     |  |