

## RF Exposure Evaluation

### Limits

The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation as specified in 1.1307(b)

Limits for Maximum Permissible Exposure (MPE)

| Frequency range<br>(MHz)                                | Electric field<br>strength<br>(V/m) | Magnetic field strength<br>(A/m) | Power density<br>(mW/cm <sup>2</sup> ) | Averaging time<br>(minutes) |
|---------------------------------------------------------|-------------------------------------|----------------------------------|----------------------------------------|-----------------------------|
| (A) Limits for Occupational/Controlled Exposures        |                                     |                                  |                                        |                             |
| 0.3–3.0                                                 | 614                                 | 1.63                             | *(100)                                 | 6                           |
| 3.0–30                                                  | 1842/f                              | 4.89/f                           | *(900/f <sup>2</sup> )                 | 6                           |
| 30–300                                                  | 61.4                                | 0.163                            | 1.0                                    | 6                           |
| 300–1500                                                |                                     |                                  | f/300                                  | 6                           |
| 1500–100,000                                            |                                     |                                  | 5                                      | 6                           |
| (B) Limits for General Population/Uncontrolled Exposure |                                     |                                  |                                        |                             |
| 0.3–1.34                                                | 614                                 | 1.63                             | *(100)                                 | 30                          |
| 1.34–30                                                 | 824/f                               | 2.19/f                           | *(180/f <sup>2</sup> )                 | 30                          |
| 30–300                                                  | 27.5                                | 0.073                            | 0.2                                    | 30                          |
| 300–1500                                                |                                     |                                  | f/1500                                 | 30                          |
| 1500–100,000                                            |                                     |                                  | 1.0                                    | 30                          |

f = frequency in MHz

Friis transmission formula:  $Pd = (Pout \cdot G) / (4 \cdot \pi \cdot r^2)$

Where

**Pd** = power density in mW/cm<sup>2</sup>, **Pout** = output power to antenna in mW;

**G** = gain of antenna in linear scale, **Pi** = 3.1416;

**R** = distance between observation point and center of the radiator in cm

Pd is the limit of MPE, 1 mW/cm<sup>2</sup>. If we know the maximum gain of the antenna and the total power input to the antenna, through the calculation, we will know the distance r where the MPE limit is reached.

### Test Procedure

Software provided by client enabled the EUT to transmit and receive data at lowest, middle and highest channel individually.

## Test Result of RF Exposure Evaluation

### ANT 1

|              | Modulation   | Frequency<br>MHz | Output<br>power<br>to<br>antenna<br>(dBm) | Target<br>power<br>W/tolerance<br>(dBm ) | Max<br>Output<br>power to<br>antenna<br>(dBm) | Max<br>Output<br>power to<br>antenna<br>(mW) | Power<br>Density at<br>R=20cm<br>(mW/cm2) | Limit<br>(mW/cm <sup>2</sup> ) | Result |
|--------------|--------------|------------------|-------------------------------------------|------------------------------------------|-----------------------------------------------|----------------------------------------------|-------------------------------------------|--------------------------------|--------|
| Wifi<br>2.4g | 802.11b      | 2412             | 18.43                                     | 18±1                                     | 19                                            | 79.4328                                      | 0.0200                                    | 1.0                            | PASS   |
|              |              | 2437             | 18.81                                     | 18±1                                     | 19                                            | 79.4328                                      | 0.0200                                    | 1.0                            | PASS   |
|              |              | 2462             | 18.88                                     | 18±1                                     | 19                                            | 79.4328                                      | 0.0200                                    | 1.0                            | PASS   |
|              | 802.11g      | 2412             | 16.59                                     | 16±1                                     | 17                                            | 50.1187                                      | 0.0126                                    | 1.0                            | PASS   |
|              |              | 2437             | 16.84                                     | 16±1                                     | 17                                            | 50.1187                                      | 0.0126                                    | 1.0                            | PASS   |
|              |              | 2462             | 16.92                                     | 16±1                                     | 17                                            | 50.1187                                      | 0.0126                                    | 1.0                            | PASS   |
|              | 802.11n(20)  | 2412             | 15.27                                     | 15±1                                     | 16                                            | 39.8107                                      | 0.0100                                    | 1.0                            | PASS   |
|              |              | 2437             | 15.65                                     | 15±1                                     | 16                                            | 39.8107                                      | 0.0100                                    | 1.0                            | PASS   |
|              |              | 2462             | 15.72                                     | 15±1                                     | 16                                            | 39.8107                                      | 0.0100                                    | 1.0                            | PASS   |
|              | 802.11n(40)  | 2422             | 14.53                                     | 15±1                                     | 16                                            | 39.8107                                      | 0.0100                                    | 1.0                            | PASS   |
|              |              | 2437             | 14.85                                     | 15±1                                     | 16                                            | 39.8107                                      | 0.0100                                    | 1.0                            | PASS   |
|              |              | 2452             | 15.01                                     | 15±1                                     | 16                                            | 39.8107                                      | 0.0100                                    | 1.0                            | PASS   |
|              | 802.11ax(20) | 2412             | 15.17                                     | 15±1                                     | 16                                            | 39.8107                                      | 0.0100                                    | 1.0                            | PASS   |
|              |              | 2437             | 15.41                                     | 15±1                                     | 16                                            | 39.8107                                      | 0.0100                                    | 1.0                            | PASS   |
|              |              | 2462             | 15.63                                     | 15±1                                     | 16                                            | 39.8107                                      | 0.0100                                    | 1.0                            | PASS   |
|              | 802.11ax(40) | 2422             | 14.31                                     | 15±1                                     | 16                                            | 39.8107                                      | 0.0100                                    | 1.0                            | PASS   |
|              |              | 2437             | 14.77                                     | 15±1                                     | 16                                            | 39.8107                                      | 0.0100                                    | 1.0                            | PASS   |
|              |              | 2452             | 14.94                                     | 15±1                                     | 16                                            | 39.8107                                      | 0.0100                                    | 1.0                            | PASS   |

|              |              |      |       |            |    |         |        |     |      |
|--------------|--------------|------|-------|------------|----|---------|--------|-----|------|
| Wifi<br>5.2g | 802.11a      | 5180 | 17.62 | $17 \pm 1$ | 18 | 63.0957 | 0.0247 | 1.0 | PASS |
|              |              | 5200 | 16.28 | $17 \pm 1$ | 18 | 63.0957 | 0.0247 | 1.0 | PASS |
|              |              | 5240 | 16.93 | $17 \pm 1$ | 18 | 63.0957 | 0.0247 | 1.0 | PASS |
|              | 802.11n(20)  | 5180 | 15.81 | $15 \pm 1$ | 16 | 39.8107 | 0.0156 | 1.0 | PASS |
|              |              | 5200 | 15.35 | $15 \pm 1$ | 16 | 39.8107 | 0.0156 | 1.0 | PASS |
|              |              | 5240 | 14.62 | $15 \pm 1$ | 16 | 39.8107 | 0.0156 | 1.0 | PASS |
|              | 802.11n(40)  | 5190 | 13.48 | $13 \pm 1$ | 14 | 25.1189 | 0.0098 | 1.0 | PASS |
|              |              | 5230 | 13.36 | $13 \pm 1$ | 14 | 25.1189 | 0.0098 | 1.0 | PASS |
|              | 802.11ac(20) | 5180 | 15.74 | $15 \pm 1$ | 16 | 39.8107 | 0.0156 | 1.0 | PASS |
|              |              | 5200 | 15.21 | $15 \pm 1$ | 16 | 39.8107 | 0.0156 | 1.0 | PASS |
|              |              | 5240 | 14.56 | $15 \pm 1$ | 16 | 39.8107 | 0.0156 | 1.0 | PASS |
|              | 802.11ac(40) | 5190 | 13.05 | $13 \pm 1$ | 14 | 25.1189 | 0.0098 | 1.0 | PASS |
|              |              | 5230 | 12.83 | $13 \pm 1$ | 14 | 25.1189 | 0.0098 | 1.0 | PASS |
|              | 802.11ac(80) | 5210 | 11.24 | $11 \pm 1$ | 12 | 15.8489 | 0.0062 | 1.0 | PASS |
|              | 802.11ax(20) | 5180 | 14.82 | $14 \pm 1$ | 15 | 31.6228 | 0.0124 | 1.0 | PASS |
|              |              | 5200 | 14.41 | $14 \pm 1$ | 15 | 31.6228 | 0.0124 | 1.0 | PASS |
|              |              | 5240 | 13.27 | $14 \pm 1$ | 15 | 31.6228 | 0.0124 | 1.0 | PASS |
|              | 802.11ax(40) | 5190 | 11.85 | $11 \pm 1$ | 12 | 15.8489 | 0.0062 | 1.0 | PASS |
|              |              | 5230 | 11.38 | $11 \pm 1$ | 12 | 15.8489 | 0.0062 | 1.0 | PASS |
|              | 802.11ax(80) | 5210 | 10.97 | $11 \pm 1$ | 12 | 15.8489 | 0.0062 | 1.0 | PASS |

|              |              |      |       |            |    |         |        |     |      |
|--------------|--------------|------|-------|------------|----|---------|--------|-----|------|
| Wifi<br>5.8g | 802.11a      | 5745 | 12.89 | $13 \pm 1$ | 14 | 25.1189 | 0.0098 | 1.0 | PASS |
|              |              | 5785 | 12.17 | $13 \pm 1$ | 14 | 25.1189 | 0.0098 | 1.0 | PASS |
|              |              | 5825 | 12.04 | $13 \pm 1$ | 14 | 25.1189 | 0.0098 | 1.0 | PASS |
|              | 802.11n(20)  | 5745 | 12.89 | $13 \pm 1$ | 14 | 25.1189 | 0.0098 | 1.0 | PASS |
|              |              | 5785 | 12.19 | $13 \pm 1$ | 14 | 25.1189 | 0.0098 | 1.0 | PASS |
|              |              | 5825 | 12.04 | $13 \pm 1$ | 14 | 25.1189 | 0.0098 | 1.0 | PASS |
|              | 802.11n(40)  | 5755 | 11.94 | $12 \pm 1$ | 13 | 19.9526 | 0.0078 | 1.0 | PASS |
|              |              | 5795 | 11.71 | $12 \pm 1$ | 13 | 19.9526 | 0.0078 | 1.0 | PASS |
|              | 802.11ac(20) | 5745 | 10.75 | $10 \pm 1$ | 11 | 12.5893 | 0.0049 | 1.0 | PASS |
|              |              | 5785 | 10.29 | $10 \pm 1$ | 11 | 12.5893 | 0.0049 | 1.0 | PASS |
|              |              | 5825 | 10.86 | $10 \pm 1$ | 11 | 12.5893 | 0.0049 | 1.0 | PASS |
|              | 802.11ac(40) | 5755 | 13.23 | $13 \pm 1$ | 14 | 25.1189 | 0.0098 | 1.0 | PASS |
|              |              | 5795 | 12.06 | $13 \pm 1$ | 14 | 25.1189 | 0.0098 | 1.0 | PASS |
|              | 802.11ac(80) | 5775 | 11.90 | $11 \pm 1$ | 12 | 15.8489 | 0.0062 | 1.0 | PASS |
|              | 802.11ax(20) | 5745 | 12.32 | $13 \pm 1$ | 14 | 25.1189 | 0.0098 | 1.0 | PASS |
|              |              | 5785 | 13.54 | $13 \pm 1$ | 14 | 25.1189 | 0.0098 | 1.0 | PASS |
|              |              | 5825 | 12.30 | $13 \pm 1$ | 14 | 25.1189 | 0.0098 | 1.0 | PASS |
|              | 802.11ax(40) | 5755 | 13.21 | $13 \pm 1$ | 14 | 25.1189 | 0.0098 | 1.0 | PASS |
|              |              | 5795 | 12.07 | $13 \pm 1$ | 14 | 25.1189 | 0.0098 | 1.0 | PASS |
|              | 802.11ax(80) | 5775 | 11.38 | $11 \pm 1$ | 12 | 15.8489 | 0.0062 | 1.0 | PASS |

**ANT 2**

|                  | Modulation       | Frequency<br>MHz | Output<br>power to<br>antenna<br>(dBm) | Target<br>power<br>W/tolerance<br>(dBm ) | Max<br>Output<br>power to<br>antenna<br>(dBm) | Max<br>Output<br>power to<br>antenna<br>(mW) | Power<br>Density<br>at<br>R=20cm<br>(mW/cm <sup>2</sup> ) | Limit<br>(mW/cm <sup>2</sup> ) | Result |
|------------------|------------------|------------------|----------------------------------------|------------------------------------------|-----------------------------------------------|----------------------------------------------|-----------------------------------------------------------|--------------------------------|--------|
| Wifi<br>2.4<br>g | 802.11b          | 2412             | 18.02                                  | $18 \pm 1$                               | 19                                            | 79.4328                                      | 0.0200                                                    | 1.0                            | PASS   |
|                  |                  | 2437             | 18.52                                  | $18 \pm 1$                               | 19                                            | 79.4328                                      | 0.0200                                                    | 1.0                            | PASS   |
|                  |                  | 2462             | 18.67                                  | $18 \pm 1$                               | 19                                            | 79.4328                                      | 0.0200                                                    | 1.0                            | PASS   |
|                  | 802.11g          | 2412             | 16.31                                  | $16 \pm 1$                               | 17                                            | 50.1187                                      | 0.0126                                                    | 1.0                            | PASS   |
|                  |                  | 2437             | 16.61                                  | $16 \pm 1$                               | 17                                            | 50.1187                                      | 0.0126                                                    | 1.0                            | PASS   |
|                  |                  | 2462             | 16.68                                  | $16 \pm 1$                               | 17                                            | 50.1187                                      | 0.0126                                                    | 1.0                            | PASS   |
|                  | 802.11<br>n(20)  | 2412             | 15.05                                  | $16 \pm 1$                               | 17                                            | 50.1187                                      | 0.0126                                                    | 1.0                            | PASS   |
|                  |                  | 2437             | 15.46                                  | $16 \pm 1$                               | 17                                            | 50.1187                                      | 0.0126                                                    | 1.0                            | PASS   |
|                  |                  | 2462             | 15.53                                  | $16 \pm 1$                               | 17                                            | 50.1187                                      | 0.0126                                                    | 1.0                            | PASS   |
|                  | 802.11<br>n(40)  | 2422             | 14.32                                  | $14 \pm 1$                               | 15                                            | 31.6228                                      | 0.0080                                                    | 1.0                            | PASS   |
|                  |                  | 2437             | 14.67                                  | $14 \pm 1$                               | 15                                            | 31.6228                                      | 0.0080                                                    | 1.0                            | PASS   |
|                  |                  | 2452             | 14.96                                  | $14 \pm 1$                               | 15                                            | 31.6228                                      | 0.0080                                                    | 1.0                            | PASS   |
|                  | 802.11<br>ax(20) | 2412             | 14.94                                  | $15 \pm 1$                               | 16                                            | 39.8107                                      | 0.0100                                                    | 1.0                            | PASS   |
|                  |                  | 2437             | 15.23                                  | $15 \pm 1$                               | 16                                            | 39.8107                                      | 0.0100                                                    | 1.0                            | PASS   |
|                  |                  | 2462             | 15.49                                  | $15 \pm 1$                               | 16                                            | 39.8107                                      | 0.0100                                                    | 1.0                            | PASS   |
|                  | 802.11<br>ax(40) | 2422             | 14.05                                  | $14 \pm 1$                               | 15                                            | 31.6228                                      | 0.0080                                                    | 1.0                            | PASS   |
|                  |                  | 2437             | 14.32                                  | $14 \pm 1$                               | 15                                            | 31.6228                                      | 0.0080                                                    | 1.0                            | PASS   |
|                  |                  | 2452             | 14.83                                  | $14 \pm 1$                               | 15                                            | 31.6228                                      | 0.0080                                                    | 1.0                            | PASS   |

|              |              |      |       |      |    |         |        |     |      |
|--------------|--------------|------|-------|------|----|---------|--------|-----|------|
| Wifi<br>5.2g | 802.11a      | 5180 | 15.73 | 15±1 | 16 | 39.8107 | 0.0156 | 1.0 | PASS |
|              |              | 5200 | 15.71 | 15±1 | 16 | 39.8107 | 0.0156 | 1.0 | PASS |
|              |              | 5240 | 15.34 | 15±1 | 16 | 39.8107 | 0.0156 | 1.0 | PASS |
|              | 802.11n(20)  | 5180 | 14.73 | 14±1 | 15 | 31.6228 | 0.0124 | 1.0 | PASS |
|              |              | 5200 | 14.21 | 14±1 | 1  | 1.2589  | 0.0005 | 1.0 | PASS |
|              |              | 5240 | 13.54 | 14±1 | 15 | 31.6228 | 0.0124 | 1.0 | PASS |
|              | 802.11n(40)  | 5190 | 13.56 | 14±1 | 15 | 31.6228 | 0.0124 | 1.0 | PASS |
|              |              | 5230 | 13.41 | 14±1 | 15 | 31.6228 | 0.0124 | 1.0 | PASS |
|              | 802.11ac(20) | 5180 | 13.56 | 14±1 | 15 | 31.6228 | 0.0124 | 1.0 | PASS |
|              |              | 5200 | 13.41 | 14±1 | 15 | 31.6228 | 0.0124 | 1.0 | PASS |
|              |              | 5240 | 13.56 | 14±1 | 15 | 31.6228 | 0.0124 | 1.0 | PASS |
|              | 802.11ac(40) | 5190 | 13.34 | 14±1 | 15 | 31.6228 | 0.0124 | 1.0 | PASS |
|              |              | 5230 | 13.06 | 14±1 | 15 | 31.6228 | 0.0124 | 1.0 | PASS |
|              | 802.11ac(80) | 5210 | 11.38 | 11±1 | 12 | 15.8489 | 0.0062 | 1.0 | PASS |
|              | 802.11ax(20) | 5180 | 14.59 | 14±1 | 15 | 31.6228 | 0.0124 | 1.0 | PASS |
|              |              | 5200 | 14.33 | 14±1 | 15 | 31.6228 | 0.0124 | 1.0 | PASS |
|              |              | 5240 | 13.01 | 14±1 | 15 | 31.6228 | 0.0124 | 1.0 | PASS |
|              | 802.11ax(40) | 5190 | 11.93 | 11±1 | 12 | 15.8489 | 0.0062 | 1.0 | PASS |
|              |              | 5230 | 11.46 | 11±1 | 12 | 15.8489 | 0.0062 | 1.0 | PASS |
|              | 802.11ax(80) | 5210 | 11.02 | 11±1 | 12 | 15.8489 | 0.0062 | 1.0 | PASS |

|              |              |      |       |        |      |         |        |     |      |
|--------------|--------------|------|-------|--------|------|---------|--------|-----|------|
| Wifi<br>5.8g | 802.11a      | 5745 | 12.11 | 13±1   | 14   | 25.1189 | 0.0098 | 1.0 | PASS |
|              |              | 5785 | 13.92 | 13±1   | 14   | 25.1189 | 0.0098 | 1.0 | PASS |
|              |              | 5825 | 13.60 | 13±1   | 14   | 25.1189 | 0.0098 | 1.0 | PASS |
|              | 802.11n(20)  | 5745 | 12.30 | 12±1   | 13   | 19.9526 | 0.0078 | 1.0 | PASS |
|              |              | 5785 | 11.98 | 12±1   | 13   | 19.9526 | 0.0078 | 1.0 | PASS |
|              |              | 5825 | 11.63 | 12±1   | 13   | 19.9526 | 0.0078 | 1.0 | PASS |
|              | 802.11n(40)  | 5755 | 12.96 | 12±1   | 13   | 19.9526 | 0.0078 | 1.0 | PASS |
|              |              | 5795 | 11.15 | 12±1   | 13   | 19.9526 | 0.0078 | 1.0 | PASS |
|              | 802.11ac(20) | 5745 | 11.22 | 11±1   | 12   | 15.8489 | 0.0062 | 1.0 | PASS |
|              |              | 5785 | 10.90 | 11±1   | 12   | 15.8489 | 0.0062 | 1.0 | PASS |
|              |              | 5825 | 10.63 | 11±1   | 12   | 15.8489 | 0.0062 | 1.0 | PASS |
|              | 802.11ac(40) | 5755 | 11.36 | 11±1   | 12   | 15.8489 | 0.0062 | 1.0 | PASS |
|              |              | 5795 | 10.17 | 11±1   | 12   | 15.8489 | 0.0062 | 1.0 | PASS |
|              | 802.11ac(80) | 5775 | 10.12 | 11±1   | 12   | 15.8489 | 0.0062 | 1.0 | PASS |
|              | 802.11ax(20) | 5745 | 11.53 | 12.5±1 | 13.5 | 22.3872 | 0.0088 | 1.0 | PASS |
|              |              | 5785 | 13.06 | 12.5±1 | 13.5 | 22.3872 | 0.0088 | 1.0 | PASS |

|  |              |      |       |        |      |         |        |     |      |
|--|--------------|------|-------|--------|------|---------|--------|-----|------|
|  |              | 5825 | 11.73 | 12.5±1 | 13.5 | 22.3872 | 0.0088 | 1.0 | PASS |
|  | 802.11ax(40) | 5755 | 12.17 | 12±1   | 13   | 19.9526 | 0.0078 | 1.0 | PASS |
|  |              | 5795 | 11.62 | 11±1   | 12   | 15.8489 | 0.0062 | 1.0 | PASS |
|  | 802.11ax(80) | 5775 | 10.08 | 10±1   | 11   | 12.5893 | 0.0049 | 1.0 | PASS |

# ANT 1+ANT 2

|              | Modulation   | Frequency<br>MHz | ANT 1<br>Power<br>Density at<br>R=20cm<br>(mW/cm2) | ANT 2<br>Power<br>Density at<br>R=20cm<br>(mW/cm2) | ANT1+ANT2<br>Power<br>Density at<br>R=20cm<br>(mW/cm2) | Limit<br>(mW/cm2) | Result |
|--------------|--------------|------------------|----------------------------------------------------|----------------------------------------------------|--------------------------------------------------------|-------------------|--------|
| Wifi<br>2.4g | 802.11b      | 2412             | 0.0200                                             | 0.0200                                             | /                                                      | 1.0               | PASS   |
|              |              | 2437             | 0.0200                                             | 0.0200                                             | /                                                      | 1.0               | PASS   |
|              |              | 2462             | 0.0200                                             | 0.0200                                             | /                                                      | 1.0               | PASS   |
|              | 802.11g      | 2412             | 0.0126                                             | 0.0126                                             | /                                                      | 1.0               | PASS   |
|              |              | 2437             | 0.0126                                             | 0.0126                                             | /                                                      | 1.0               | PASS   |
|              |              | 2462             | 0.0126                                             | 0.0126                                             | /                                                      | 1.0               | PASS   |
|              | 802.11n(20)  | 2412             | 0.0100                                             | 0.0126                                             | 0.0226                                                 | 1.0               | PASS   |
|              |              | 2437             | 0.0100                                             | 0.0126                                             | 0.0226                                                 | 1.0               | PASS   |
|              |              | 2462             | 0.0100                                             | 0.0126                                             | 0.0226                                                 | 1.0               | PASS   |
|              | 802.11n(40)  | 2422             | 0.0100                                             | 0.0080                                             | 0.0180                                                 | 1.0               | PASS   |
|              |              | 2437             | 0.0100                                             | 0.0080                                             | 0.0180                                                 | 1.0               | PASS   |
|              |              | 2452             | 0.0100                                             | 0.0080                                             | 0.0180                                                 | 1.0               | PASS   |
|              | 802.11ax(20) | 2412             | 0.0100                                             | 0.0100                                             | 0.0200                                                 | 1.0               | PASS   |
|              |              | 2437             | 0.0100                                             | 0.0100                                             | 0.0200                                                 | 1.0               | PASS   |
|              |              | 2462             | 0.0100                                             | 0.0100                                             | 0.0200                                                 | 1.0               | PASS   |
|              | 802.11ax(40) | 2422             | 0.0100                                             | 0.0080                                             | 0.0180                                                 | 1.0               | PASS   |
|              |              | 2437             | 0.0100                                             | 0.0080                                             | 0.0180                                                 | 1.0               | PASS   |
|              |              | 2452             | 0.0100                                             | 0.0080                                             | 0.0180                                                 | 1.0               | PASS   |

|              |              |      |        |        |        |     |      |
|--------------|--------------|------|--------|--------|--------|-----|------|
| Wifi<br>5.2g | 802.11a      | 5180 | 0.0247 | 0.0156 | 0.0403 | 1.0 | PASS |
|              |              | 5200 | 0.0247 | 0.0156 | 0.0403 | 1.0 | PASS |
|              |              | 5240 | 0.0247 | 0.0156 | 0.0403 | 1.0 | PASS |
|              | 802.11n(20)  | 5180 | 0.0156 | 0.0124 | 0.0280 | 1.0 | PASS |
|              |              | 5200 | 0.0156 | 0.0005 | 0.0161 | 1.0 | PASS |
|              |              | 5240 | 0.0156 | 0.0124 | 0.0280 | 1.0 | PASS |
|              | 802.11n(40)  | 5190 | 0.0098 | 0.0124 | 0.0222 | 1.0 | PASS |
|              |              | 5230 | 0.0098 | 0.0124 | 0.0222 | 1.0 | PASS |
|              | 802.11ac(20) | 5180 | 0.0156 | 0.0124 | 0.0280 | 1.0 | PASS |
|              |              | 5200 | 0.0156 | 0.0124 | 0.0280 | 1.0 | PASS |
|              |              | 5240 | 0.0156 | 0.0124 | 0.0280 | 1.0 | PASS |
|              | 802.11ac(40) | 5190 | 0.0098 | 0.0124 | 0.0222 | 1.0 | PASS |
|              |              | 5230 | 0.0098 | 0.0124 | 0.0222 | 1.0 | PASS |
|              | 802.11ac(80) | 5210 | 0.0062 | 0.0062 | 0.0124 | 1.0 | PASS |
| Wifi<br>5.2g | 802.11ax(20) | 5180 | 0.0124 | 0.0124 | 0.0248 | 1.0 | PASS |
|              |              | 5200 | 0.0124 | 0.0124 | 0.0248 | 1.0 | PASS |
|              |              | 5240 | 0.0124 | 0.0124 | 0.0248 | 1.0 | PASS |
|              | 802.11ax(40) | 5190 | 0.0062 | 0.0062 | 0.0124 | 1.0 | PASS |
|              |              | 5230 | 0.0062 | 0.0062 | 0.0124 | 1.0 | PASS |
|              | 802.11ax(80) | 5210 | 0.0062 | 0.0062 | 0.0124 | 1.0 | PASS |

|              | Modulation   | Frequency<br>MHz | ANT 1<br>Power<br>Density at<br>R=20cm<br>(mW/cm2) | ANT 2<br>Power<br>Density at<br>R=20cm<br>(mW/cm2) | ANT1+ANT2<br>Power<br>Density at<br>R=20cm<br>(mW/cm2) | Limit<br>(mW/cm2) | Result |
|--------------|--------------|------------------|----------------------------------------------------|----------------------------------------------------|--------------------------------------------------------|-------------------|--------|
| Wifi<br>5.8g | 802.11a      | 5745             | 0.0098                                             | 0.0098                                             | 0.0196                                                 | 1.0               | PASS   |
|              |              | 5785             | 0.0098                                             | 0.0098                                             | 0.0196                                                 | 1.0               | PASS   |
|              |              | 5825             | 0.0098                                             | 0.0098                                             | 0.0196                                                 | 1.0               | PASS   |
|              | 802.11n(20)  | 5745             | 0.0098                                             | 0.0078                                             | 0.0176                                                 | 1.0               | PASS   |
|              |              | 5785             | 0.0098                                             | 0.0078                                             | 0.0176                                                 | 1.0               | PASS   |
|              |              | 5825             | 0.0098                                             | 0.0078                                             | 0.0176                                                 | 1.0               | PASS   |
|              | 802.11n(40)  | 5755             | 0.0078                                             | 0.0078                                             | 0.0156                                                 | 1.0               | PASS   |
|              |              | 5795             | 0.0078                                             | 0.0078                                             | 0.0156                                                 | 1.0               | PASS   |
|              | 802.11ac(20) | 5745             | 0.0049                                             | 0.0062                                             | 0.0111                                                 | 1.0               | PASS   |
|              |              | 5785             | 0.0049                                             | 0.0062                                             | 0.0111                                                 | 1.0               | PASS   |
|              |              | 5825             | 0.0049                                             | 0.0062                                             | 0.0111                                                 | 1.0               | PASS   |
|              | 802.11ac(40) | 5755             | 0.0098                                             | 0.0062                                             | 0.0160                                                 | 1.0               | PASS   |
|              |              | 5795             | 0.0098                                             | 0.0062                                             | 0.0160                                                 | 1.0               | PASS   |
|              | 802.11ac(80) | 5775             | 0.0062                                             | 0.0062                                             | 0.0124                                                 | 1.0               | PASS   |
|              | 802.11ax(20) | 5745             | 0.0098                                             | 0.0088                                             | 0.0186                                                 | 1.0               | PASS   |
|              |              | 5785             | 0.0098                                             | 0.0088                                             | 0.0186                                                 | 1.0               | PASS   |
|              |              | 5825             | 0.0098                                             | 0.0088                                             | 0.0186                                                 | 1.0               | PASS   |
|              | 802.11ax(40) | 5755             | 0.0098                                             | 0.0078                                             | 0.0176                                                 | 1.0               | PASS   |
|              |              | 5795             | 0.0098                                             | 0.0062                                             | 0.0160                                                 | 1.0               | PASS   |
|              | 802.11ax(80) | 5775             | 0.0062                                             | 0.0049                                             | 0.0111                                                 | 1.0               | PASS   |