

OPERATING BAND: UNII Band 2A  
 OPERATING FREQUENCY: 5,290,000,000 Hz  
 CHANNEL: 58  
 REFERENCE VOLTAGE: 14.4 VDC

| Voltage (%)    | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|----------------|-------------|------------|-----------------|-----------------------|
| 100%           | 14.40       | +20(Ref)   | 5290016.04      | 16.04                 |
| 100%           |             | -30        | 5290012.35      | 12.35                 |
| 100%           |             | -20        | 5290028.86      | 28.86                 |
| 100%           |             | -10        | 5290002.86      | 2.86                  |
| 100%           |             | 0          | 5290076.29      | 76.29                 |
| 100%           |             | +10        | 5290044.59      | 44.59                 |
| 100%           |             | +30        | 5290034.22      | 34.22                 |
| 100%           |             | +40        | 5290037.63      | 37.63                 |
| 100%           |             | +50        | 5290045.52      | 45.52                 |
| 111%           | 16.00       | +20        | 5290030.69      | 30.69                 |
| Batt. Endpoint | 9.00        | +20        | 5290094.52      | 94.52                 |

**Note:**

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2C  
 OPERATING FREQUENCY: 5,530,000,000 Hz  
 CHANNEL: 106  
 REFERENCE VOLTAGE: 14.4 VDC

| Voltage (%)    | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|----------------|-------------|------------|-----------------|-----------------------|
| 100%           | 14.40       | +20(Ref)   | 5530052.44      | 52.44                 |
| 100%           |             | -30        | 5530090.39      | 90.39                 |
| 100%           |             | -20        | 5530088.73      | 88.73                 |
| 100%           |             | -10        | 5530003.98      | 3.98                  |
| 100%           |             | 0          | 5530009.24      | 9.24                  |
| 100%           |             | +10        | 5530065.89      | 65.89                 |
| 100%           |             | +30        | 5530015.73      | 15.73                 |
| 100%           |             | +40        | 5530074.32      | 74.32                 |
| 100%           |             | +50        | 5530049.21      | 49.21                 |
| 111%           | 16.00       | +20        | 5530009.20      | 9.20                  |
| Batt. Endpoint | 9.00        | +20        | 5530026.22      | 26.22                 |

**Note:**

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 3  
 OPERATING FREQUENCY: 5,775,000,000 Hz  
 CHANNEL: 155  
 REFERENCE VOLTAGE: 14.4 VDC

| Voltage (%)    | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|----------------|-------------|------------|-----------------|-----------------------|
| 100%           | 14.40       | +20(Ref)   | 5775029.33      | 29.33                 |
| 100%           |             | -30        | 5775098.42      | 98.42                 |
| 100%           |             | -20        | 5775059.03      | 59.03                 |
| 100%           |             | -10        | 5775037.62      | 37.62                 |
| 100%           |             | 0          | 5775049.28      | 49.28                 |
| 100%           |             | +10        | 5775014.12      | 14.12                 |
| 100%           |             | +30        | 5775028.81      | 28.81                 |
| 100%           |             | +40        | 5775042.81      | 42.81                 |
| 100%           |             | +50        | 5775083.49      | 83.49                 |
| 111%           | 16.00       | +20        | 5775028.84      | 28.84                 |
| Batt. Endpoint | 9.00        | +20        | 5775064.46      | 64.46                 |

**Note:**

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

## 2 minutes after the EUT is energized

OPERATING BAND: UNII Band 1  
 OPERATING FREQUENCY: 5,210,000,000 Hz  
 CHANNEL: 42  
 REFERENCE VOLTAGE: 14.4 VDC

| Voltage (%)    | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|----------------|-------------|------------|-----------------|-----------------------|
| 100%           | 14.40       | +20(Ref)   | 5210069.66      | 69.66                 |
| 100%           |             | -30        | 5210016.19      | 16.19                 |
| 100%           |             | -20        | 5210046.55      | 46.55                 |
| 100%           |             | -10        | 5210076.98      | 76.98                 |
| 100%           |             | 0          | 5210049.36      | 49.36                 |
| 100%           |             | +10        | 5210068.84      | 68.84                 |
| 100%           |             | +30        | 5210066.23      | 66.23                 |
| 100%           |             | +40        | 5210052.93      | 52.93                 |
| 100%           |             | +50        | 5210055.33      | 55.33                 |
| 111%           | 16.00       | +20        | 5210001.33      | 1.33                  |
| Batt. Endpoint | 9.00        | +20        | 5210072.17      | 72.17                 |

### Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2A  
 OPERATING FREQUENCY: 5,290,000,000 Hz  
 CHANNEL: 58  
 REFERENCE VOLTAGE: 14.4 VDC

| Voltage (%)    | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|----------------|-------------|------------|-----------------|-----------------------|
| 100%           | 14.40       | +20(Ref)   | 5290027.31      | 27.31                 |
| 100%           |             | -30        | 5290023.46      | 23.46                 |
| 100%           |             | -20        | 5290032.28      | 32.28                 |
| 100%           |             | -10        | 5290065.54      | 65.54                 |
| 100%           |             | 0          | 5290082.11      | 82.11                 |
| 100%           |             | +10        | 5290039.21      | 39.21                 |
| 100%           |             | +30        | 5290066.20      | 66.2                  |
| 100%           |             | +40        | 5290008.08      | 8.08                  |
| 100%           |             | +50        | 5290005.97      | 5.97                  |
| 111%           | 16.00       | +20        | 5290023.58      | 23.58                 |
| Batt. Endpoint | 9.00        | +20        | 5290027.79      | 27.79                 |

**Note:**

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2C  
 OPERATING FREQUENCY: 5,530,000,000 Hz  
 CHANNEL: 106  
 REFERENCE VOLTAGE: 14.4 VDC

| Voltage (%)    | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|----------------|-------------|------------|-----------------|-----------------------|
| 100%           | 14.40       | +20(Ref)   | 5530069.27      | 69.27                 |
| 100%           |             | -30        | 5530062.41      | 62.41                 |
| 100%           |             | -20        | 5530047.64      | 47.64                 |
| 100%           |             | -10        | 5530084.71      | 84.71                 |
| 100%           |             | 0          | 5530012.87      | 12.87                 |
| 100%           |             | +10        | 5530022.75      | 22.75                 |
| 100%           |             | +30        | 5530095.44      | 95.44                 |
| 100%           |             | +40        | 5530001.33      | 1.33                  |
| 100%           |             | +50        | 5530005.22      | 5.22                  |
| 111%           | 16.00       | +20        | 5530075.45      | 75.45                 |
| Batt. Endpoint | 9.00        | +20        | 5530057.35      | 57.35                 |

#### Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 3  
 OPERATING FREQUENCY: 5,775,000,000 Hz  
 CHANNEL: 155  
 REFERENCE VOLTAGE: 14.4 VDC

| Voltage (%)    | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|----------------|-------------|------------|-----------------|-----------------------|
| 100%           | 14.40       | +20(Ref)   | 5775097.76      | 97.76                 |
| 100%           |             | -30        | 5775015.84      | 15.84                 |
| 100%           |             | -20        | 5775080.94      | 80.94                 |
| 100%           |             | -10        | 5775066.77      | 66.77                 |
| 100%           |             | 0          | 5775044.48      | 44.48                 |
| 100%           |             | +10        | 5775059.64      | 59.64                 |
| 100%           |             | +30        | 5775026.06      | 26.06                 |
| 100%           |             | +40        | 5775034.70      | 34.7                  |
| 100%           |             | +50        | 5775095.43      | 95.43                 |
| 111%           | 16.00       | +20        | 5775099.05      | 99.05                 |
| Batt. Endpoint | 9.00        | +20        | 5775096.65      | 96.65                 |

**Note:**

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

### 5 minutes after the EUT is energized

OPERATING BAND: UNII Band 1  
 OPERATING FREQUENCY: 5,210,000,000 Hz  
 CHANNEL: 42  
 REFERENCE VOLTAGE: 14.4 VDC

| Voltage (%)    | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|----------------|-------------|------------|-----------------|-----------------------|
| 100%           | 14.40       | +20(Ref)   | 5210033.77      | 33.77                 |
| 100%           |             | -30        | 5210095.89      | 95.89                 |
| 100%           |             | -20        | 5210056.02      | 56.02                 |
| 100%           |             | -10        | 5210042.59      | 42.59                 |
| 100%           |             | 0          | 5210034.43      | 34.43                 |
| 100%           |             | +10        | 5210017.38      | 17.38                 |
| 100%           |             | +30        | 5210033.63      | 33.63                 |
| 100%           |             | +40        | 5210060.18      | 60.18                 |
| 100%           |             | +50        | 5210058.90      | 58.90                 |
| 111%           | 16.00       | +20        | 5210075.97      | 75.97                 |
| Batt. Endpoint | 9.00        | +20        | 5210070.95      | 70.95                 |

### Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2A  
 OPERATING FREQUENCY: 5,290,000,000 Hz  
 CHANNEL: 58  
 REFERENCE VOLTAGE: 14.4 VDC

| Voltage (%)    | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|----------------|-------------|------------|-----------------|-----------------------|
| 100%           | 14.40       | +20(Ref)   | 5290008.97      | 8.97                  |
| 100%           |             | -30        | 5290059.82      | 59.82                 |
| 100%           |             | -20        | 5290093.83      | 93.83                 |
| 100%           |             | -10        | 5290076.10      | 76.1                  |
| 100%           |             | 0          | 5290006.38      | 6.38                  |
| 100%           |             | +10        | 5290024.92      | 24.92                 |
| 100%           |             | +30        | 5290088.74      | 88.74                 |
| 100%           |             | +40        | 5290040.14      | 40.14                 |
| 100%           |             | +50        | 5290070.20      | 70.20                 |
| 111%           | 16.00       | +20        | 5290013.91      | 13.91                 |
| Batt. Endpoint | 9.00        | +20        | 5290038.97      | 38.97                 |

**Note:**

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2C  
 OPERATING FREQUENCY: 5,530,000,000 Hz  
 CHANNEL: 106  
 REFERENCE VOLTAGE: 14.4 VDC

| Voltage (%)    | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|----------------|-------------|------------|-----------------|-----------------------|
| 100%           | 14.40       | +20(Ref)   | 5530099.19      | 99.19                 |
| 100%           |             | -30        | 5530021.32      | 21.32                 |
| 100%           |             | -20        | 5530030.90      | 30.9                  |
| 100%           |             | -10        | 5530030.50      | 30.5                  |
| 100%           |             | 0          | 5530046.03      | 46.03                 |
| 100%           |             | +10        | 5530082.87      | 82.87                 |
| 100%           |             | +30        | 5530071.72      | 71.72                 |
| 100%           |             | +40        | 5530052.24      | 52.24                 |
| 100%           |             | +50        | 5530047.52      | 47.52                 |
| 111%           | 16.00       | +20        | 5530022.36      | 22.36                 |
| Batt. Endpoint | 9.00        | +20        | 5530008.24      | 8.24                  |

#### Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 3  
 OPERATING FREQUENCY: 5,775,000,000 Hz  
 CHANNEL: 155  
 REFERENCE VOLTAGE: 14.4 VDC

| Voltage (%)    | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|----------------|-------------|------------|-----------------|-----------------------|
| 100%           | 14.40       | +20(Ref)   | 5775093.50      | 93.50                 |
| 100%           |             | -30        | 5775046.64      | 46.64                 |
| 100%           |             | -20        | 5775075.72      | 75.72                 |
| 100%           |             | -10        | 5775079.54      | 79.54                 |
| 100%           |             | 0          | 5775051.31      | 51.31                 |
| 100%           |             | +10        | 5775019.79      | 19.79                 |
| 100%           |             | +30        | 5775066.97      | 66.97                 |
| 100%           |             | +40        | 5775007.73      | 7.73                  |
| 100%           |             | +50        | 5775092.34      | 92.34                 |
| 111%           | 16.00       | +20        | 5775056.04      | 56.04                 |
| Batt. Endpoint | 9.00        | +20        | 5775026.48      | 26.48                 |

**Note:**

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

### 10 minutes after the EUT is energized

OPERATING BAND: UNII Band 1  
 OPERATING FREQUENCY: 5,210,000,000 Hz  
 CHANNEL: 42  
 REFERENCE VOLTAGE: 14.4 VDC

| Voltage (%)    | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|----------------|-------------|------------|-----------------|-----------------------|
| 100%           | 14.40       | +20(Ref)   | 5210045.35      | 45.35                 |
| 100%           |             | -30        | 5210097.09      | 97.09                 |
| 100%           |             | -20        | 5210077.13      | 77.13                 |
| 100%           |             | -10        | 5210024.56      | 24.56                 |
| 100%           |             | 0          | 5210060.70      | 60.70                 |
| 100%           |             | +10        | 5210079.12      | 79.12                 |
| 100%           |             | +30        | 5210074.95      | 74.95                 |
| 100%           |             | +40        | 5210040.20      | 40.20                 |
| 100%           |             | +50        | 5210038.95      | 38.95                 |
| 111%           | 16.00       | +20        | 5210089.74      | 89.74                 |
| Batt. Endpoint | 9.00        | +20        | 5210034.18      | 34.18                 |

### Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2A  
 OPERATING FREQUENCY: 5,290,000,000 Hz  
 CHANNEL: 58  
 REFERENCE VOLTAGE: 14.4 VDC

| Voltage (%)    | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|----------------|-------------|------------|-----------------|-----------------------|
| 100%           | 14.40       | +20(Ref)   | 5290072.46      | 72.46                 |
| 100%           |             | -30        | 5290067.46      | 67.46                 |
| 100%           |             | -20        | 5290046.09      | 46.09                 |
| 100%           |             | -10        | 5290042.30      | 42.3                  |
| 100%           |             | 0          | 5290041.16      | 41.16                 |
| 100%           |             | +10        | 5290026.07      | 26.07                 |
| 100%           |             | +30        | 5290009.48      | 9.48                  |
| 100%           |             | +40        | 5290032.67      | 32.67                 |
| 100%           |             | +50        | 5290061.79      | 61.79                 |
| 111%           | 16.00       | +20        | 5290091.34      | 91.34                 |
| Batt. Endpoint | 9.00        | +20        | 5290064.88      | 64.88                 |

**Note:**

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2C  
 OPERATING FREQUENCY: 5,530,000,000 Hz  
 CHANNEL: 106  
 REFERENCE VOLTAGE: 14.4 VDC

| Voltage (%)    | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|----------------|-------------|------------|-----------------|-----------------------|
| 100%           | 14.40       | +20(Ref)   | 5530002.14      | 2.14                  |
| 100%           |             | -30        | 5530086.35      | 86.35                 |
| 100%           |             | -20        | 5530018.27      | 18.27                 |
| 100%           |             | -10        | 5530077.41      | 77.41                 |
| 100%           |             | 0          | 5530040.38      | 40.38                 |
| 100%           |             | +10        | 5530004.07      | 4.07                  |
| 100%           |             | +30        | 5530024.42      | 24.42                 |
| 100%           |             | +40        | 5530005.94      | 5.94                  |
| 100%           |             | +50        | 5530074.11      | 74.11                 |
| 111%           | 16.00       | +20        | 5530090.24      | 90.24                 |
| Batt. Endpoint | 9.00        | +20        | 5530008.68      | 8.68                  |

**Note:**

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 3  
 OPERATING FREQUENCY: 5,775,000,000 Hz  
 CHANNEL: 155  
 REFERENCE VOLTAGE: 14.4 VDC

| Voltage (%)    | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|----------------|-------------|------------|-----------------|-----------------------|
| 100%           | 14.40       | +20(Ref)   | 5775011.68      | 11.68                 |
| 100%           |             | -30        | 5775014.43      | 14.43                 |
| 100%           |             | -20        | 5775047.99      | 47.99                 |
| 100%           |             | -10        | 5775037.67      | 37.67                 |
| 100%           |             | 0          | 5775080.29      | 80.29                 |
| 100%           |             | +10        | 5775067.83      | 67.83                 |
| 100%           |             | +30        | 5775083.35      | 83.35                 |
| 100%           |             | +40        | 5775064.70      | 64.7                  |
| 100%           |             | +50        | 5775073.46      | 73.46                 |
| 111%           | 16.00       | +20        | 5775004.17      | 4.17                  |
| Batt. Endpoint | 9.00        | +20        | 5775083.04      | 83.04                 |

**Note:**

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

## 10.7 STRADDLE CHANNEL

### 10.7.1 26dB Bandwidth

| Mode            | Band    | Frequency [MHz] | Channel | Measured Frequency [MHz] | 26dB Bandwidth [MHz] |
|-----------------|---------|-----------------|---------|--------------------------|----------------------|
| 802.11a         | UNII 2C | 5720            | 144     | 5709.56                  | 15.44                |
| 802.11n(HT20)   |         |                 |         | 5709.36                  | 15.64                |
| 802.11ac(VHT20) |         |                 |         | 5709.36                  | 15.64                |
| 802.11a         | UNII 3  | 5720            | 144     | 5730.36                  | 5.36                 |
| 802.11n(HT20)   |         |                 |         | 5730.56                  | 5.56                 |
| 802.11ac(VHT20) |         |                 |         | 5730.64                  | 5.64                 |

| Mode            | Band    | Frequency [MHz] | Channel | Measured Frequency [MHz] | 26dB Bandwidth [MHz] |
|-----------------|---------|-----------------|---------|--------------------------|----------------------|
| 802.11n(HT40)   | UNII 2C | 5710            | 142     | 5690.16                  | 34.84                |
| 802.11ac(VHT40) |         |                 |         | 5690.08                  | 34.92                |
| 802.11n(HT40)   | UNII 3  | 5710            | 142     | 5729.92                  | 4.92                 |
| 802.11ac(VHT40) |         |                 |         | 5729.92                  | 4.92                 |

| Mode            | Band    | Frequency [MHz] | Channel | Measured Frequency [MHz] | 26dB Bandwidth [MHz] |
|-----------------|---------|-----------------|---------|--------------------------|----------------------|
| 802.11ac(VHT80) | UNII 2C | 5690            | 138     | 5649.32                  | 75.68                |
|                 | UNII 3  | 5690            | 138     | 5730.68                  | 5.68                 |

**Note:**

[UNII 2C] 26dB Bandwidth = 5725MHz - Measured Frequency[MHz]

[UNII 3] 26dB Bandwidth = Measured Frequency[MHz] -5725MHz

■ Test Plots (26dB Bandwidth)

802.11a UNII Band



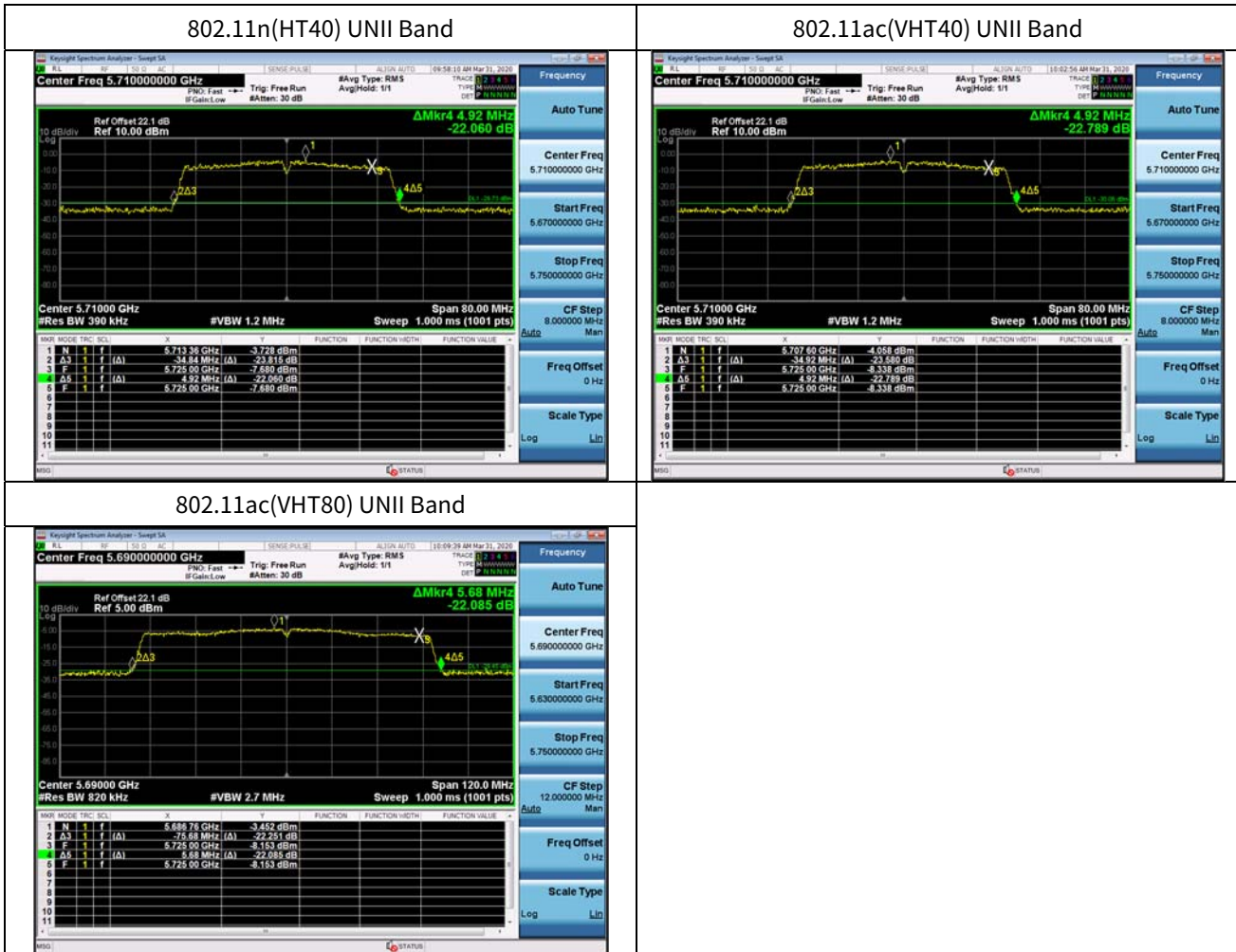
802.11n(HT20) UNII Band



802.11ac(VHT20) UNII Band



■ Test Plots (26dB Bandwidth)



### 10.7.2 6dB Bandwidth

| Mode            | Band   | Frequency [MHz] | Channel | Measured Frequency [MHz] | 6dB Bandwidth [MHz] | Limit [MHz] |
|-----------------|--------|-----------------|---------|--------------------------|---------------------|-------------|
| 802.11a         | UNII 3 | 5720            | 144     | 5728.20                  | 3.20                | > 0.5       |
| 802.11n(HT20)   |        |                 |         | 5728.72                  | 3.72                | > 0.5       |
| 802.11ac(VHT20) |        |                 |         | 5728.20                  | 3.20                | > 0.5       |

| Mode            | Band   | Frequency [MHz] | Channel | Measured Frequency [MHz] | 6dB Bandwidth [MHz] | Limit [MHz] |
|-----------------|--------|-----------------|---------|--------------------------|---------------------|-------------|
| 802.11n(HT40)   | UNII 3 | 5710            | 142     | 5727.92                  | 2.92                | > 0.5       |
| 802.11ac(VHT40) |        |                 |         | 5727.76                  | 2.76                | > 0.5       |

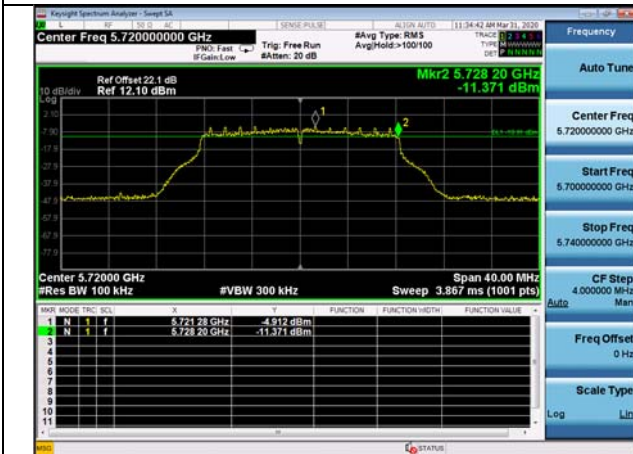
| Mode            | Band   | Frequency [MHz] | Channel | Measured Frequency [MHz] | 6dB Bandwidth [MHz] | Limit [MHz] |
|-----------------|--------|-----------------|---------|--------------------------|---------------------|-------------|
| 802.11ac(VHT80) | UNII 3 | 5690            | 138     | 5727.28                  | 2.28                | > 0.5       |

**Note:**

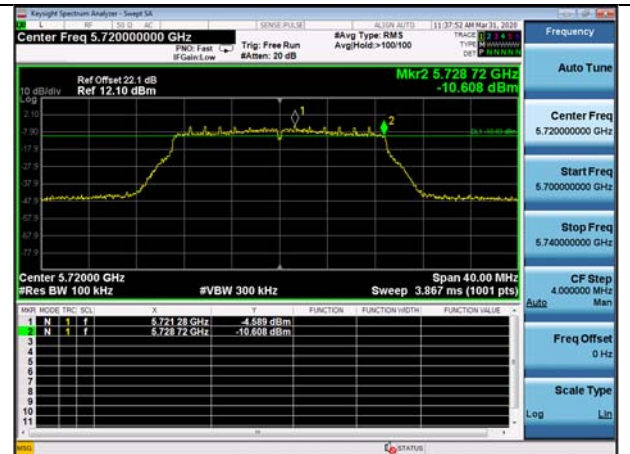
6dB Bandwidth = Measured Frequency[MHz] – 5725MHz

■ Test Plots(UNII 3 Band 6dB Bandwidth)

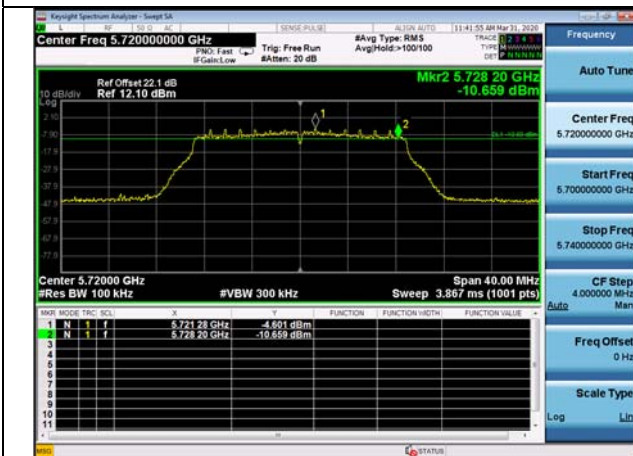
802.11a CH.144



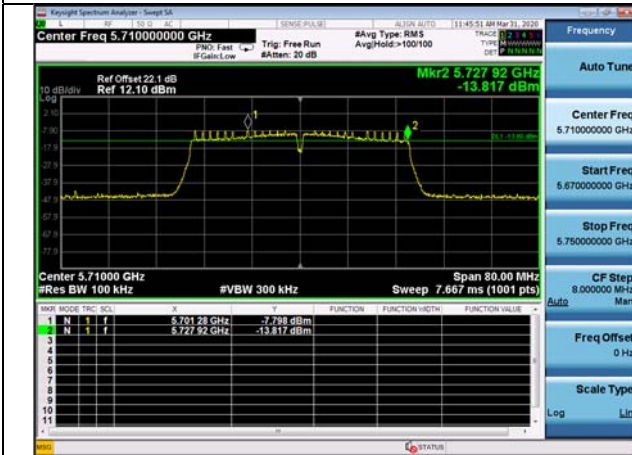
802.11n\_HT20 CH.144



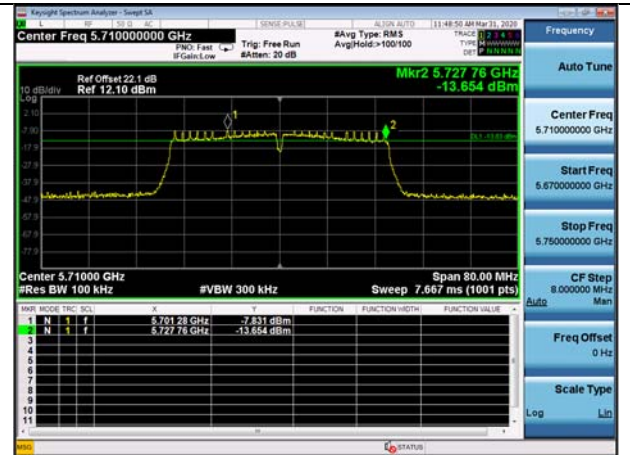
802.11ac\_VHT20 CH.144



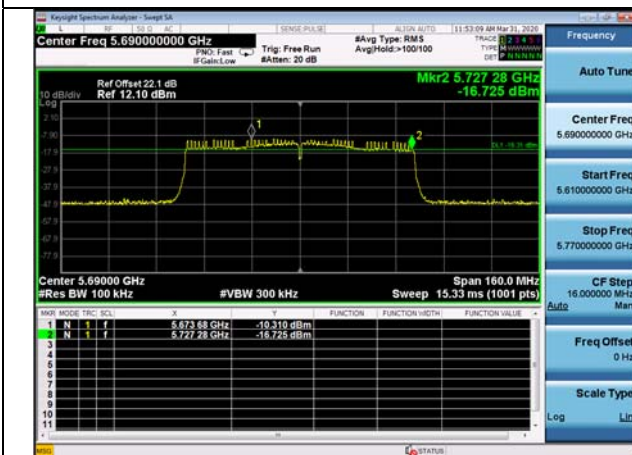
802.11n\_HT40 CH.142



802.11ac\_VHT40 CH.142



802.11ac\_VHT80 CH.138



### 10.7.3 Output Power

| Mode            | Frequency [MHz]        | Channel | Measured Power (dBm) | Duty Cycle Factor (dB) | Total Power (dBm) | Limit (dBm) |
|-----------------|------------------------|---------|----------------------|------------------------|-------------------|-------------|
| 802.11a         | 5720<br>(UNII 2C Band) | 144     | 5.32                 | 0.572                  | 5.89              | 22.89       |
| 802.11n(HT20)   |                        |         | 5.25                 | 0.320                  | 5.57              | 22.94       |
| 802.11ac(VHT20) |                        |         | 5.07                 | 0.599                  | 5.67              | 22.94       |
| 802.11a         | 5720<br>(UNII 3 Band)  | 144     | -2.08                | 0.572                  | -1.51             | 30.00       |
| 802.11n(HT20)   |                        |         | -1.55                | 0.320                  | -1.23             | 30.00       |
| 802.11ac(VHT20) |                        |         | -1.73                | 0.599                  | -1.13             | 30.00       |

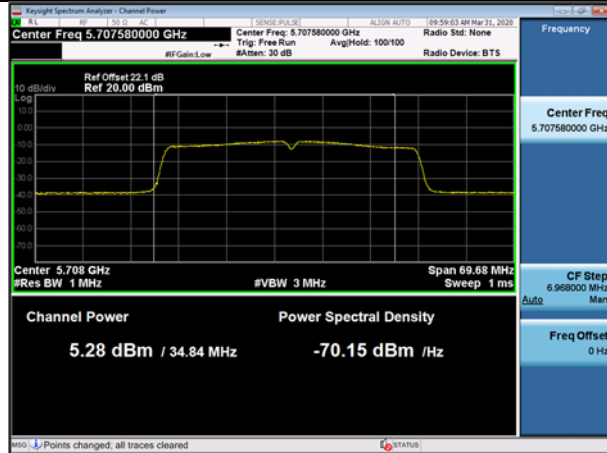
| Mode            | Frequency [MHz]        | Channel | Measured Power (dBm) | Duty Cycle Factor (dB) | Total Power (dBm) | Limit (dBm) |
|-----------------|------------------------|---------|----------------------|------------------------|-------------------|-------------|
| 802.11n(HT40)   | 5710<br>(UNII 2C Band) | 142     | 5.28                 | 0.616                  | 5.90              | 23.98       |
| 802.11ac(VHT40) |                        |         | 4.45                 | 1.469                  | 5.92              | 23.98       |
| 802.11n(HT40)   | 5710<br>(UNII 3 Band)  | 142     | -6.69                | 0.616                  | -6.07             | 30.00       |
| 802.11ac(VHT40) |                        |         | -7.46                | 1.469                  | -5.99             | 30.00       |

| Mode            | Frequency [MHz]        | Channel | Measured Power (dBm) | Duty Cycle Factor (dB) | Total Power (dBm) | Limit (dBm) |
|-----------------|------------------------|---------|----------------------|------------------------|-------------------|-------------|
| 802.11ac(VHT80) | 5690<br>(UNII 2C Band) | 138     | 4.52                 | 1.867                  | 6.39              | 23.98       |
|                 | 5690<br>(UNII 3 Band)  | 138     | -11.02               | 1.867                  | -9.15             | 30.00       |

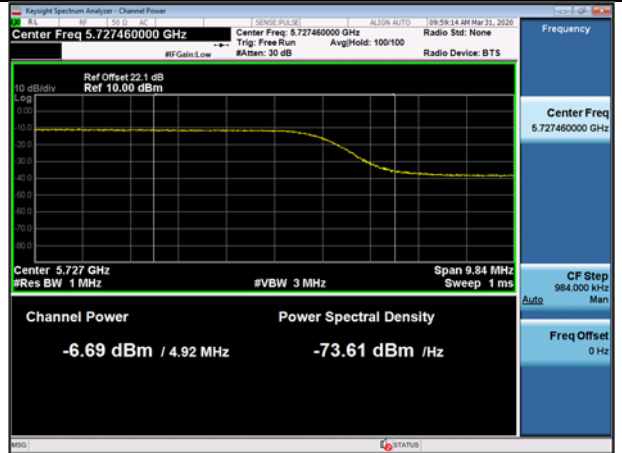
# Test Plots



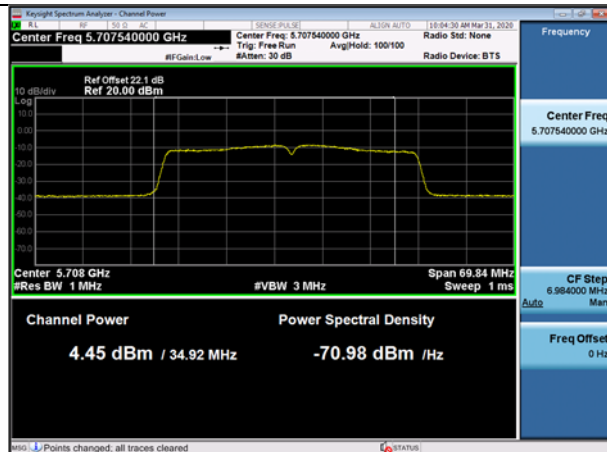
802.11n(HT40) UNII 2C Band



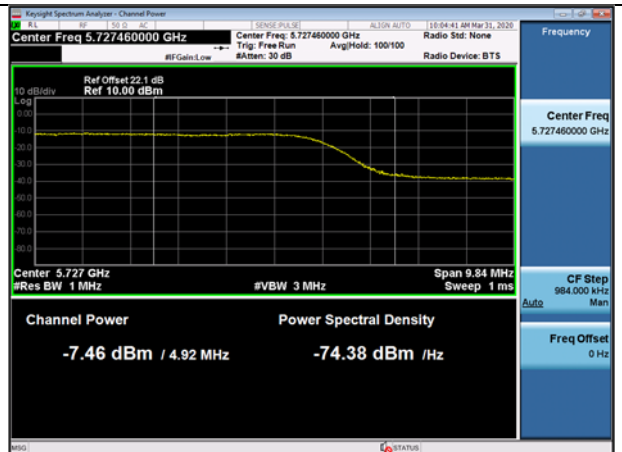
802.11n(HT40) UNII 3 Band



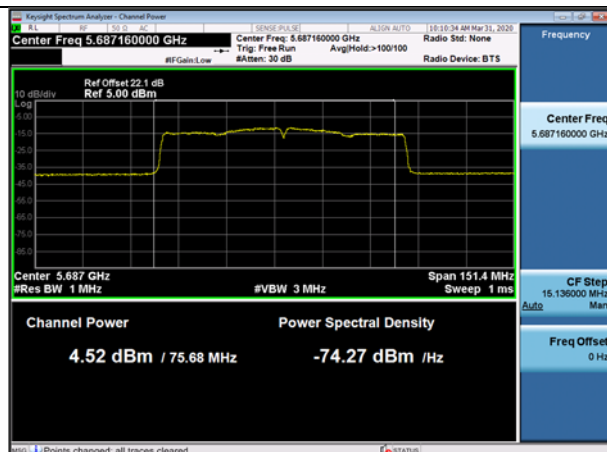
802.11ac(VHT40) UNII 2C Band



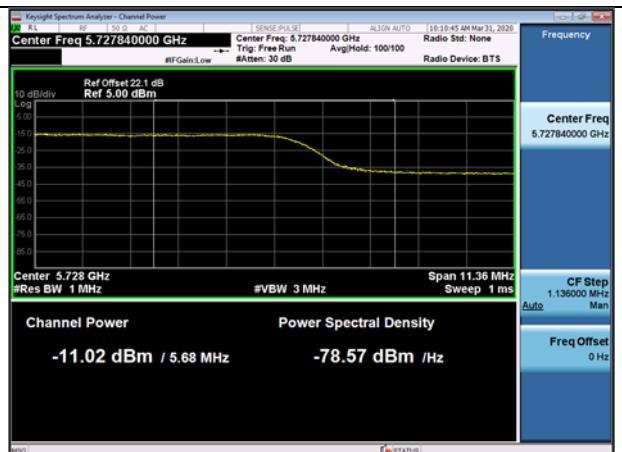
802.11ac(VHT40) UNII 3 Band



802.11ac(VHT80) UNII 2C Band



802.11ac(VHT80) UNII 3 Band



#### 10.7.4 Power Spectral Density

| Mode            | Frequency [MHz]        | Channel | Measured Density (dBm) | Duty Cycle Factor (dB) | Total PSD (dBm) | Limit         |
|-----------------|------------------------|---------|------------------------|------------------------|-----------------|---------------|
| 802.11a         | 5720<br>(UNII 2C Band) | 144     | -4.032                 | 0.572                  | -3.460          | 11 dBm/MHz    |
| 802.11n(HT20)   |                        |         | -4.295                 | 0.320                  | -3.975          |               |
| 802.11ac(VHT20) |                        |         | -4.343                 | 0.599                  | -3.744          |               |
| 802.11a         | 5720<br>(UNII 3 Band)  | 144     | -9.229                 | 0.572                  | -8.657          | 30 dBm/500kHz |
| 802.11n(HT20)   |                        |         | -9.742                 | 0.320                  | -9.422          |               |
| 802.11ac(VHT20) |                        |         | -9.435                 | 0.599                  | -8.836          |               |

| Mode            | Frequency [MHz]        | Channel | Measured Density (dBm) | Duty Cycle Factor (dB) | Total PSD (dBm) | Limit (dBm)   |
|-----------------|------------------------|---------|------------------------|------------------------|-----------------|---------------|
| 802.11n(HT40)   | 5710<br>(UNII 2C Band) | 142     | -7.294                 | 0.616                  | -6.678          | 11 dBm/MHz    |
| 802.11ac(VHT40) |                        |         | -8.162                 | 1.469                  | -6.693          |               |
| 802.11n(HT40)   | 5710<br>(UNII 3 Band)  | 142     | -14.172                | 0.616                  | -13.556         | 30 dBm/500kHz |
| 802.11ac(VHT40) |                        |         | -13.958                | 1.469                  | -12.489         |               |

| Mode            | Frequency [MHz]        | Channel | Measured Density (dBm) | Duty Cycle Factor (dB) | Total PSD (dBm) | Limit (dBm)   |
|-----------------|------------------------|---------|------------------------|------------------------|-----------------|---------------|
| 802.11ac(VHT80) | 5690<br>(UNII 2C Band) | 138     | -11.685                | 1.867                  | -9.818          | 11 dBm/MHz    |
|                 | 5690<br>(UNII 3 Band)  | 138     | -17.165                | 1.867                  | -15.298         | 30 dBm/500kHz |

## Test Plots

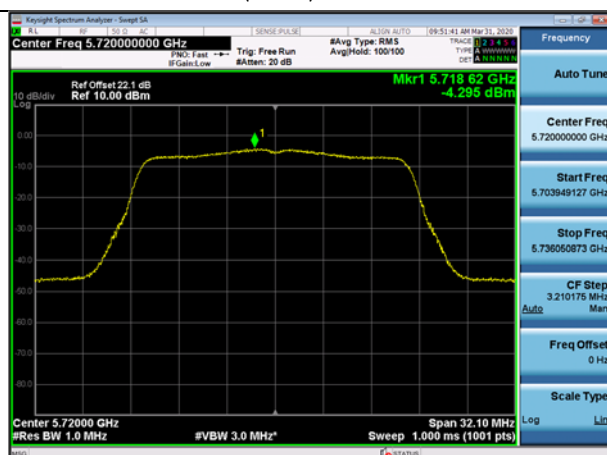
802.11a UNII 2C Band



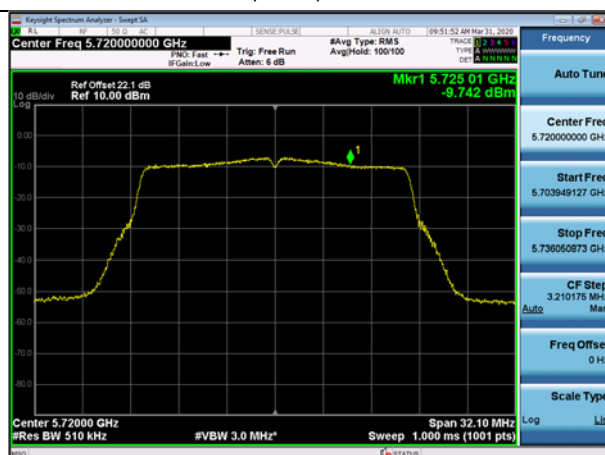
802.11a UNII 3 Band



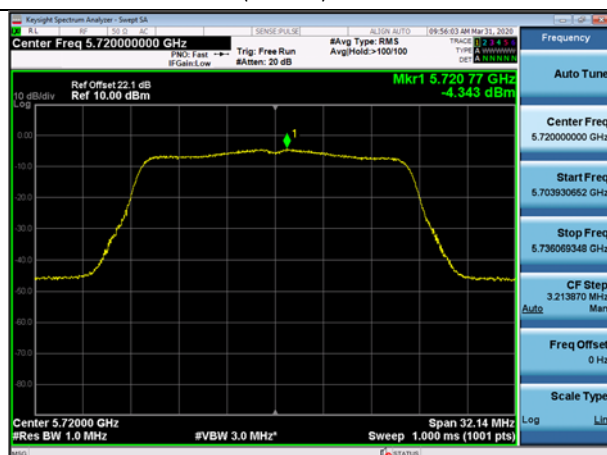
802.11n(HT20) UNII 2C Band



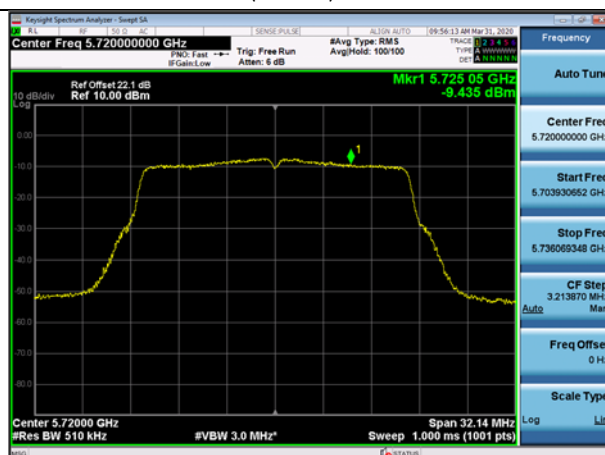
802.11n(HT20) UNII 3 Band



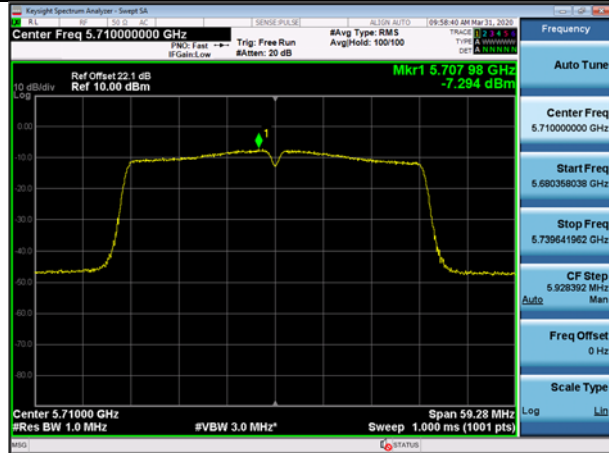
802.11ac(VHT20) UNII 2C Band



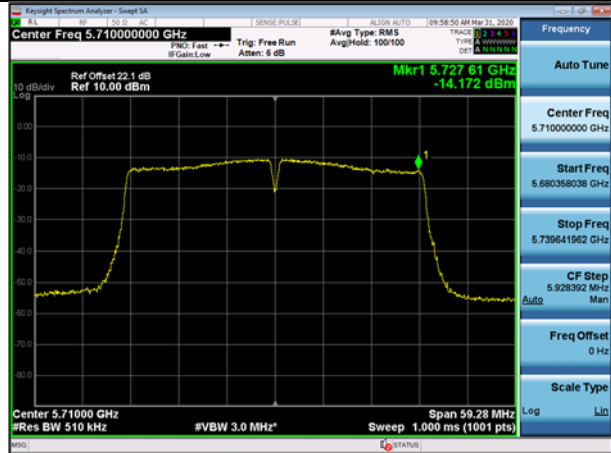
802.11ac(VHT20) UNII 3 Band



802.11n(HT40) UNII 2C Band



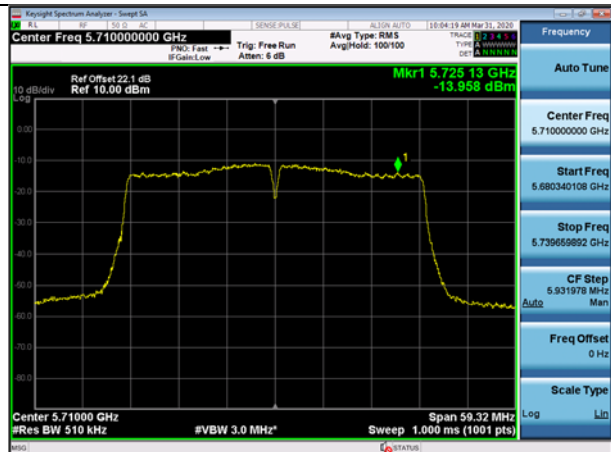
802.11n(HT40) UNII 3 Band



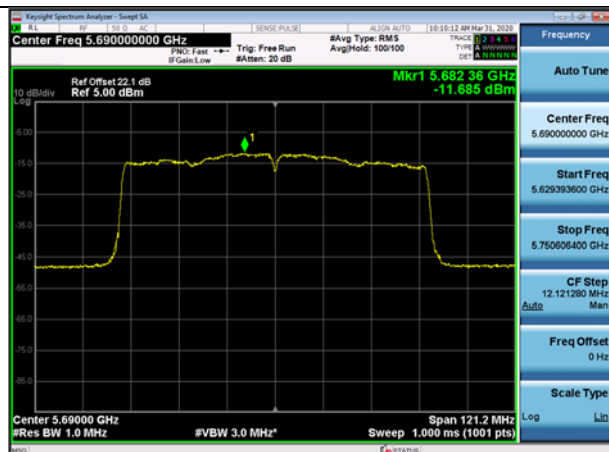
802.11ac(VHT40) UNII 2C Band



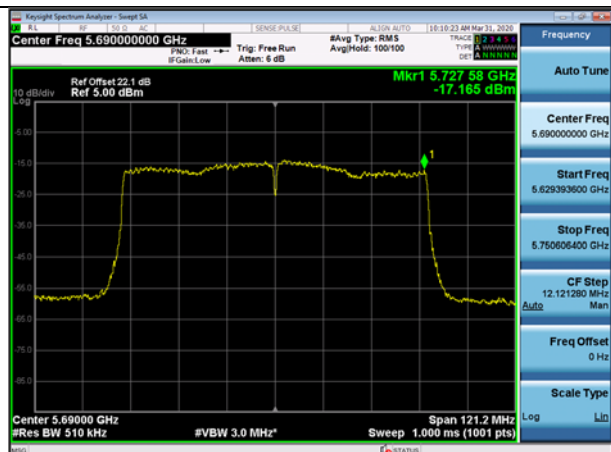
802.11ac(VHT40) UNII 3 Band



802.11ac(VHT80) UNII 2C Band



802.11ac(VHT80) UNII 3 Band



## 10.8 RADIATED SPURIOUS EMISSIONS

### Frequency Range : 9 kHz – 30MHz

| Frequency               | Reading | Ant. factor | Cable loss | Ant. POL | Total  | Limit  | Margin |
|-------------------------|---------|-------------|------------|----------|--------|--------|--------|
| MHz                     | dBuV/m  | dBm/m       | dBm        | (H/V)    | dBuV/m | dBuV/m | dB     |
| No Critical peaks found |         |             |            |          |        |        |        |

#### Note:

1. The reading of emissions are attenuated more than 20 dB below the permissible limits or the field strength is too small to be measured.
2. Distance extrapolation factor =  $40 \log (\text{specific distance} / \text{test distance})$  (dB)
3. Limit line = specific Limits (dBuV) + Distance extrapolation factor

### Frequency Range : Below 1 GHz

| Frequency               | Reading | Ant. factor | Cable loss | Ant. POL | Total  | Limit  | Margin |
|-------------------------|---------|-------------|------------|----------|--------|--------|--------|
| MHz                     | dBuV/m  | dBm/m       | dBm        | (H/V)    | dBuV/m | dBuV/m | dB     |
| No Critical peaks found |         |             |            |          |        |        |        |

#### Note:

1. Radiated emissions measured in frequency range from 30 MHz to 1000 MHz were made with an instrument using Quasi peak detector mode

### Frequency Range : Above 1 GHz

Band : UNII 1

Operation Mode: 802.11 a

Transfer Rate: 6 Mbps

Operating Frequency 5180 MHz

Channel No. 36 Ch

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 10360           | 46.89        | 4.71              | V              | 51.60          | 68.20          | 16.60       | PK     |
| 15540           | 49.88        | 5.57              | V              | 55.45          | 73.98          | 18.53       | PK     |
| 15540           | 33.82        | 5.57              | V              | 39.39          | 53.98          | 14.59       | AV     |
| 10360           | 47.66        | 4.71              | H              | 52.37          | 68.20          | 15.83       | PK     |
| 15540           | 49.75        | 5.57              | H              | 55.32          | 73.98          | 18.66       | PK     |
| 15540           | 33.57        | 5.57              | H              | 39.14          | 53.98          | 14.84       | AV     |

Band : UNII 1

Operation Mode: 802.11 a

Transfer Rate: 6 Mbps

Operating Frequency 5200 MHz

Channel No. 40 Ch

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 10400           | 47.81        | 4.43              | V              | 52.24          | 68.20          | 15.96       | PK     |
| 15600           | 52.39        | 4.77              | V              | 57.16          | 73.98          | 16.82       | PK     |
| 15600           | 35.00        | 4.77              | V              | 39.77          | 53.98          | 14.21       | AV     |
| 10400           | 48.39        | 4.43              | H              | 52.82          | 68.20          | 15.38       | PK     |
| 15600           | 51.60        | 4.77              | H              | 56.37          | 73.98          | 17.61       | PK     |
| 15600           | 34.69        | 4.77              | H              | 39.46          | 53.98          | 14.52       | AV     |

Band : UNII 1

Operation Mode: 802.11 a

Transfer Rate: 6 Mbps

Operating Frequency 5240 MHz

Channel No. 48 Ch

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-AMP G<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Detect |
|--------------------|-----------------|----------------------|-------------------|-------------------|-------------------|----------------|--------|
| 10480              | 47.57           | 4.84                 | V                 | 52.41             | 68.20             | 15.79          | PK     |
| 15720              | 49.76           | 3.99                 | V                 | 53.75             | 73.98             | 20.23          | PK     |
| 15720              | 34.03           | 3.99                 | V                 | 38.02             | 53.98             | 15.96          | AV     |
| 10480              | 48.06           | 4.84                 | H                 | 52.90             | 68.20             | 15.30          | PK     |
| 15720              | 48.36           | 3.99                 | H                 | 52.35             | 73.98             | 21.63          | PK     |
| 15720              | 33.75           | 3.99                 | H                 | 37.74             | 53.98             | 16.24          | AV     |

Band : UNII 2A

Operation Mode: 802.11 a

Transfer Rate: 6 Mbps

Operating Frequency 5260 MHz

Channel No. 52 Ch

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-AMP G<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Detect |
|--------------------|-----------------|----------------------|-------------------|-------------------|-------------------|----------------|--------|
| 10520              | 48.69           | 4.58                 | V                 | 53.27             | 68.20             | 14.93          | PK     |
| 15780              | 48.71           | 4.55                 | V                 | 53.26             | 73.98             | 20.72          | PK     |
| 15780              | 33.58           | 4.55                 | V                 | 38.13             | 53.98             | 15.85          | AV     |
| 10520              | 48.29           | 4.58                 | H                 | 52.87             | 68.20             | 15.33          | PK     |
| 15780              | 48.33           | 4.55                 | H                 | 52.88             | 73.98             | 21.10          | PK     |
| 15780              | 33.10           | 4.55                 | H                 | 37.65             | 53.98             | 16.33          | AV     |

Band : UNII 2A  
Operation Mode: 802.11 a  
Transfer Rate: 6 Mbps  
Operating Frequency 5300 MHz  
Channel No. 60 Ch

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 10600           | 49.18        | 4.79              | V              | 53.97          | 73.98          | 20.01       | PK     |
| 10600           | 36.96        | 4.79              | V              | 41.75          | 53.98          | 12.23       | AV     |
| 15900           | 50.18        | 5.29              | V              | 55.47          | 73.98          | 18.51       | PK     |
| 15900           | 33.54        | 5.29              | V              | 38.83          | 53.98          | 15.15       | AV     |
| 10600           | 48.78        | 4.79              | H              | 53.57          | 73.98          | 20.41       | PK     |
| 10600           | 36.15        | 4.79              | H              | 40.94          | 53.98          | 13.04       | AV     |
| 15900           | 49.31        | 5.29              | H              | 54.60          | 73.98          | 19.38       | PK     |
| 15900           | 33.25        | 5.29              | H              | 38.54          | 53.98          | 15.44       | AV     |

Band : UNII 2A  
Operation Mode: 802.11 a  
Transfer Rate: 6 Mbps  
Operating Frequency 5320 MHz  
Channel No. 64 Ch

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 10640           | 48.88        | 4.82              | V              | 53.70          | 73.98          | 20.28       | PK     |
| 10640           | 36.07        | 4.82              | V              | 40.89          | 53.98          | 13.09       | AV     |
| 15960           | 48.87        | 4.71              | V              | 53.58          | 73.98          | 20.40       | PK     |
| 15960           | 33.44        | 4.71              | V              | 38.15          | 53.98          | 15.83       | AV     |
| 10640           | 48.14        | 4.82              | H              | 52.96          | 73.98          | 21.02       | PK     |
| 10640           | 36.00        | 4.82              | H              | 40.82          | 53.98          | 13.16       | AV     |
| 15960           | 47.69        | 4.71              | H              | 52.40          | 73.98          | 21.58       | PK     |
| 15960           | 32.15        | 4.71              | H              | 36.86          | 53.98          | 17.12       | AV     |

Band : UNII 2C

Operation Mode: 802.11 a

Transfer Rate: 6 Mbps

Operating Frequency 5500 MHz

Channel No. 100 Ch

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-AMP G<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Detect |
|--------------------|-----------------|----------------------|-------------------|-------------------|-------------------|----------------|--------|
| 11000              | 47.28           | 4.61                 | V                 | 51.89             | 73.98             | 22.09          | PK     |
| 11000              | 35.37           | 4.61                 | V                 | 39.98             | 53.98             | 14.00          | AV     |
| 16500              | 46.99           | 7.08                 | V                 | 54.07             | 68.20             | 14.13          | PK     |
| 11000              | 47.90           | 4.61                 | H                 | 52.51             | 73.98             | 21.47          | PK     |
| 11000              | 35.66           | 4.61                 | H                 | 40.27             | 53.98             | 13.71          | AV     |
| 16500              | 46.73           | 7.08                 | H                 | 53.81             | 68.20             | 14.39          | PK     |

Band : UNII 2C

Operation Mode: 802.11 a

Transfer Rate: 6 Mbps

Operating Frequency 5580 MHz

Channel No. 116 Ch

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-AMP G<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Detect |
|--------------------|-----------------|----------------------|-------------------|-------------------|-------------------|----------------|--------|
| 11160              | 48.36           | 4.37                 | V                 | 52.73             | 73.98             | 21.25          | PK     |
| 11160              | 35.19           | 4.37                 | V                 | 39.56             | 53.98             | 14.42          | AV     |
| 16740              | 47.67           | 8.84                 | V                 | 56.51             | 68.20             | 11.69          | PK     |
| 11160              | 48.63           | 4.37                 | H                 | 53.00             | 73.98             | 20.98          | PK     |
| 11160              | 35.35           | 4.37                 | H                 | 39.72             | 53.98             | 14.26          | AV     |
| 16740              | 47.18           | 8.84                 | H                 | 56.02             | 68.20             | 12.18          | PK     |

Band : UNII 2C

Operation Mode: 802.11 a

Transfer Rate: 6 Mbps

Operating Frequency 5720 MHz

Channel No. 144 Ch

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 11440           | 48.35        | 4.60              | V              | 52.95          | 73.98          | 21.03       | PK     |
| 11440           | 39.33        | 4.60              | V              | 43.93          | 53.98          | 10.05       | AV     |
| 17160           | 48.49        | 9.39              | V              | 57.88          | 68.20          | 10.32       | PK     |
| 11440           | 49.64        | 4.60              | H              | 54.24          | 73.98          | 19.74       | PK     |
| 11440           | 39.94        | 4.60              | H              | 44.54          | 53.98          | 9.44        | AV     |
| 17160           | 48.24        | 9.39              | H              | 57.63          | 68.20          | 10.57       | PK     |

Band : UNII 3

Operation Mode: 802.11 a

Transfer Rate: 6 Mbps

Operating Frequency 5745MHz

Channel No. 149 Ch

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 11490           | 48.99        | 4.40              | V              | 53.39          | 73.98          | 20.59       | PK     |
| 11490           | 39.61        | 4.40              | V              | 44.01          | 53.98          | 9.97        | AV     |
| 17235           | 46.07        | 10.06             | V              | 56.13          | 68.20          | 12.07       | PK     |
| 11490           | 49.82        | 4.40              | H              | 54.22          | 73.98          | 19.76       | PK     |
| 11490           | 40.24        | 4.40              | H              | 44.64          | 53.98          | 9.34        | AV     |
| 17235           | 46.59        | 10.06             | H              | 56.65          | 68.20          | 11.55       | PK     |

|                     |          |
|---------------------|----------|
| Band :              | UNII 3   |
| Operation Mode:     | 802.11 a |
| Transfer Rate:      | 6 Mbps   |
| Operating Frequency | 5785 MHz |
| Channel No.         | 157 Ch   |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-AMP G<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Detect |
|--------------------|-----------------|----------------------|-------------------|-------------------|-------------------|----------------|--------|
| 11570              | 47.37           | 5.13                 | V                 | 52.50             | 73.98             | 21.48          | PK     |
| 11570              | 36.31           | 5.13                 | V                 | 41.44             | 53.98             | 12.54          | AV     |
| 17355              | 45.98           | 10.65                | V                 | 56.63             | 68.20             | 11.57          | PK     |
| 11570              | 47.92           | 5.13                 | H                 | 53.05             | 73.98             | 20.93          | PK     |
| 11570              | 39.63           | 5.13                 | H                 | 44.76             | 53.98             | 9.22           | AV     |
| 17355              | 46.85           | 10.65                | H                 | 57.50             | 68.20             | 10.70          | PK     |

|                     |          |
|---------------------|----------|
| Band :              | UNII 3   |
| Operation Mode:     | 802.11 a |
| Transfer Rate:      | 6 Mbps   |
| Operating Frequency | 5825 MHz |
| Channel No.         | 165 Ch   |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-AMP G<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Detect |
|--------------------|-----------------|----------------------|-------------------|-------------------|-------------------|----------------|--------|
| 11650              | 48.89           | 4.40                 | V                 | 53.29             | 73.98             | 20.69          | PK     |
| 11650              | 40.22           | 4.40                 | V                 | 44.62             | 53.98             | 9.36           | AV     |
| 17475              | 47.23           | 10.73                | V                 | 57.96             | 68.20             | 10.24          | PK     |
| 11650              | 49.61           | 4.40                 | H                 | 54.01             | 73.98             | 19.97          | PK     |
| 11650              | 40.33           | 4.40                 | H                 | 44.73             | 53.98             | 9.25           | AV     |
| 17475              | 47.58           | 10.73                | H                 | 58.31             | 68.20             | 9.89           | PK     |

Band : UNII 1  
 Operation Mode: 802.11 n(HT20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5180 MHz  
 Channel No. 36 Ch

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 10360           | 47.63        | 4.71              | V              | 52.34          | 68.20          | 15.86       | PK     |
| 15540           | 52.99        | 5.57              | V              | 58.56          | 73.98          | 15.42       | PK     |
| 15540           | 33.54        | 5.57              | V              | 39.11          | 53.98          | 14.87       | AV     |
| 10360           | 47.83        | 4.71              | H              | 52.54          | 68.20          | 15.66       | PK     |
| 15540           | 51.64        | 5.57              | H              | 57.21          | 73.98          | 16.77       | PK     |
| 15540           | 33.28        | 5.57              | H              | 38.85          | 53.98          | 15.13       | AV     |

Band : UNII 1  
 Operation Mode: 802.11 n(HT20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5200 MHz  
 Channel No. 40 Ch

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 10400           | 47.09        | 4.43              | V              | 51.52          | 68.20          | 16.68       | PK     |
| 15600           | 52.70        | 4.77              | V              | 57.47          | 73.98          | 16.51       | PK     |
| 15600           | 34.31        | 4.77              | V              | 39.08          | 53.98          | 14.90       | AV     |
| 10400           | 48.23        | 4.43              | H              | 52.66          | 68.20          | 15.54       | PK     |
| 15600           | 51.65        | 4.77              | H              | 56.42          | 73.98          | 17.56       | PK     |
| 15600           | 33.65        | 4.77              | H              | 38.42          | 53.98          | 15.56       | AV     |

Band : UNII 1  
 Operation Mode: 802.11 n(HT20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5240 MHz  
 Channel No. 48 Ch

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 10480           | 47.07        | 4.84              | V              | 51.91          | 68.20          | 16.29       | PK     |
| 15720           | 51.67        | 3.99              | V              | 55.66          | 73.98          | 18.32       | PK     |
| 15720           | 33.41        | 3.99              | V              | 37.40          | 53.98          | 16.58       | AV     |
| 10480           | 47.14        | 4.84              | H              | 51.98          | 68.20          | 16.22       | PK     |
| 15720           | 50.62        | 3.99              | H              | 54.61          | 73.98          | 19.37       | PK     |
| 15720           | 33.17        | 3.99              | H              | 37.16          | 53.98          | 16.82       | AV     |

Band : UNII 2A  
 Operation Mode: 802.11 n(HT20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5260 MHz  
 Channel No. 52 Ch

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 10520           | 47.99        | 4.58              | V              | 52.57          | 68.20          | 15.63       | PK     |
| 15780           | 51.39        | 4.55              | V              | 55.94          | 73.98          | 18.04       | PK     |
| 15780           | 32.86        | 4.55              | V              | 37.41          | 53.98          | 16.57       | AV     |
| 10520           | 47.46        | 4.58              | H              | 52.04          | 68.20          | 16.16       | PK     |
| 15780           | 50.69        | 4.55              | H              | 55.24          | 73.98          | 18.74       | PK     |
| 15780           | 32.13        | 4.55              | H              | 36.68          | 53.98          | 17.30       | AV     |

Band : UNII 2A  
 Operation Mode: 802.11 n(HT20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5300 MHz  
 Channel No. 60 Ch

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 10600           | 48.81        | 4.79              | V              | 53.60          | 73.98          | 20.38       | PK     |
| 10600           | 36.78        | 4.79              | V              | 41.57          | 53.98          | 12.41       | AV     |
| 15900           | 47.70        | 5.29              | V              | 52.99          | 73.98          | 20.99       | PK     |
| 15900           | 32.59        | 5.29              | V              | 37.88          | 53.98          | 16.10       | AV     |
| 10600           | 48.22        | 4.79              | H              | 53.01          | 73.98          | 20.97       | PK     |
| 10600           | 36.08        | 4.79              | H              | 40.87          | 53.98          | 13.11       | AV     |
| 15900           | 47.09        | 5.29              | H              | 52.38          | 73.98          | 21.60       | PK     |
| 15900           | 32.31        | 5.29              | H              | 37.60          | 53.98          | 16.38       | AV     |

Band : UNII 2A  
 Operation Mode: 802.11 n(HT20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5320 MHz  
 Channel No. 64 Ch

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 10640           | 47.71        | 4.82              | V              | 52.53          | 73.98          | 21.45       | PK     |
| 10640           | 35.84        | 4.82              | V              | 40.66          | 53.98          | 13.32       | AV     |
| 15960           | 48.67        | 4.71              | V              | 53.38          | 73.98          | 20.60       | PK     |
| 15960           | 32.83        | 4.71              | V              | 37.54          | 53.98          | 16.44       | AV     |
| 10640           | 46.58        | 4.82              | H              | 51.40          | 73.98          | 22.58       | PK     |
| 10640           | 34.26        | 4.82              | H              | 39.08          | 53.98          | 14.90       | AV     |
| 15960           | 48.61        | 4.71              | H              | 53.32          | 73.98          | 20.66       | PK     |
| 15960           | 32.22        | 4.71              | H              | 36.93          | 53.98          | 17.05       | AV     |

Band : UNII 2C  
 Operation Mode: 802.11 n(HT20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5500 MHz  
 Channel No. 100 Ch

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 11000           | 45.98        | 4.61              | V              | 50.59          | 73.98          | 23.39       | PK     |
| 11000           | 34.22        | 4.61              | V              | 38.83          | 53.98          | 15.15       | AV     |
| 16500           | 46.35        | 7.08              | V              | 53.43          | 68.20          | 14.77       | PK     |
| 11000           | 46.44        | 4.61              | H              | 51.05          | 73.98          | 22.93       | PK     |
| 11000           | 34.96        | 4.61              | H              | 39.57          | 53.98          | 14.41       | AV     |
| 16500           | 46.08        | 7.08              | H              | 53.16          | 68.20          | 15.04       | PK     |

Band : UNII 2C  
 Operation Mode: 802.11 n(HT20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5580 MHz  
 Channel No. 116 Ch

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 11160           | 46.87        | 4.37              | V              | 51.24          | 73.98          | 22.74       | PK     |
| 11160           | 34.29        | 4.37              | V              | 38.66          | 53.98          | 15.32       | AV     |
| 16740           | 46.74        | 8.84              | V              | 55.58          | 68.20          | 12.62       | PK     |
| 11160           | 47.28        | 4.37              | H              | 51.65          | 73.98          | 22.33       | PK     |
| 11160           | 34.67        | 4.37              | H              | 39.04          | 53.98          | 14.94       | AV     |
| 16740           | 46.26        | 8.84              | H              | 55.10          | 68.20          | 13.10       | PK     |

Band : UNII 2C

Operation Mode: 802.11 n(HT20)

Transfer MCS Index: MCS0

Operating Frequency 5720 MHz

Channel No. 144 Ch

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 11440           | 46.06        | 4.60              | V              | 50.66          | 73.98          | 23.32       | PK     |
| 11440           | 36.88        | 4.60              | V              | 41.48          | 53.98          | 12.50       | AV     |
| 17160           | 45.07        | 9.39              | V              | 54.46          | 68.20          | 13.74       | PK     |
| 11440           | 48.35        | 4.60              | H              | 52.95          | 73.98          | 21.03       | PK     |
| 11440           | 39.17        | 4.60              | H              | 43.77          | 53.98          | 10.21       | AV     |
| 17160           | 44.87        | 9.39              | H              | 54.26          | 68.20          | 13.94       | PK     |

Band : UNII 3

Operation Mode: 802.11 n(HT20)

Transfer MCS Index: MCS0

Operating Frequency 5745MHz

Channel No. 149 Ch

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 11490           | 46.99        | 4.40              | V              | 51.39          | 73.98          | 22.59       | PK     |
| 11490           | 36.87        | 4.40              | V              | 41.27          | 53.98          | 12.71       | AV     |
| 17235           | 44.69        | 10.06             | V              | 54.75          | 68.20          | 13.45       | PK     |
| 11490           | 48.92        | 4.40              | H              | 53.32          | 73.98          | 20.66       | PK     |
| 11490           | 39.64        | 4.40              | H              | 44.04          | 53.98          | 9.94        | AV     |
| 17235           | 44.92        | 10.06             | H              | 54.98          | 68.20          | 13.22       | PK     |

Band : UNII 3  
 Operation Mode: 802.11 n(HT20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5785 MHz  
 Channel No. 157 Ch

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 11570           | 47.15        | 5.13              | V              | 52.28          | 73.98          | 21.70       | PK     |
| 11570           | 37.21        | 5.13              | V              | 42.34          | 53.98          | 11.64       | AV     |
| 17355           | 45.98        | 10.65             | V              | 56.63          | 68.20          | 11.57       | PK     |
| 11570           | 47.59        | 5.13              | H              | 52.72          | 73.98          | 21.26       | PK     |
| 11570           | 39.16        | 5.13              | H              | 44.29          | 53.98          | 9.69        | AV     |
| 17355           | 46.30        | 10.65             | H              | 56.95          | 68.20          | 11.25       | PK     |

Band : UNII 3  
 Operation Mode: 802.11 n(HT20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5825 MHz  
 Channel No. 165 Ch

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 11650           | 47.93        | 4.40              | V              | 52.33          | 73.98          | 21.65       | PK     |
| 11650           | 36.75        | 4.40              | V              | 41.15          | 53.98          | 12.83       | AV     |
| 17475           | 46.28        | 10.73             | V              | 57.01          | 68.20          | 11.19       | PK     |
| 11650           | 47.96        | 4.40              | H              | 52.36          | 73.98          | 21.62       | PK     |
| 11650           | 39.97        | 4.40              | H              | 44.37          | 53.98          | 9.61        | AV     |
| 17475           | 46.77        | 10.73             | H              | 57.50          | 68.20          | 10.70       | PK     |

Band : UNII 1  
 Operation Mode: 802.11 ac(VHT20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5180 MHz  
 Channel No. 36 Ch

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 10360           | 46.22        | 4.71              | V              | 50.93          | 68.20          | 17.27       | PK     |
| 15540           | 49.90        | 5.57              | V              | 55.47          | 73.98          | 18.51       | PK     |
| 15540           | 32.85        | 5.57              | V              | 38.42          | 53.98          | 15.56       | AV     |
| 10360           | 47.32        | 4.71              | H              | 52.03          | 68.20          | 16.17       | PK     |
| 15540           | 49.37        | 5.57              | H              | 54.93          | 73.98          | 19.05       | PK     |
| 15540           | 32.06        | 5.57              | H              | 37.63          | 53.98          | 16.35       | AV     |

Band : UNII 1  
 Operation Mode: 802.11 ac(VHT20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5200 MHz  
 Channel No. 40 Ch

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 10400           | 46.61        | 4.43              | V              | 51.04          | 68.20          | 17.16       | PK     |
| 15600           | 52.54        | 4.77              | V              | 57.31          | 73.98          | 16.67       | PK     |
| 15600           | 33.74        | 4.77              | V              | 38.51          | 53.98          | 15.47       | AV     |
| 10400           | 47.32        | 4.43              | H              | 51.75          | 68.20          | 16.45       | PK     |
| 15600           | 51.30        | 4.77              | H              | 56.07          | 73.98          | 17.91       | PK     |
| 15600           | 32.90        | 4.77              | H              | 37.67          | 53.98          | 16.31       | AV     |

Band : UNII 1  
 Operation Mode: 802.11 ac(VHT20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5240 MHz  
 Channel No. 48 Ch

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 10480           | 46.21        | 4.84              | V              | 51.05          | 68.20          | 17.15       | PK     |
| 15720           | 50.00        | 3.99              | V              | 53.99          | 73.98          | 19.99       | PK     |
| 15720           | 32.80        | 3.99              | V              | 36.79          | 53.98          | 17.19       | AV     |
| 10480           | 46.87        | 4.84              | H              | 51.71          | 68.20          | 16.49       | PK     |
| 15720           | 48.90        | 3.99              | H              | 52.89          | 73.98          | 21.09       | PK     |
| 15720           | 31.69        | 3.99              | H              | 35.68          | 53.98          | 18.30       | AV     |

Band : UNII 2A  
 Operation Mode: 802.11 ac(VHT20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5260MHz  
 Channel No. 52 Ch

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 10520           | 48.29        | 4.58              | V              | 52.87          | 68.20          | 15.33       | PK     |
| 15780           | 46.29        | 4.55              | V              | 50.84          | 73.98          | 23.14       | PK     |
| 15780           | 32.12        | 4.55              | V              | 36.67          | 53.98          | 17.31       | AV     |
| 10520           | 48.11        | 4.58              | H              | 52.69          | 68.20          | 15.51       | PK     |
| 15780           | 45.86        | 4.55              | H              | 50.41          | 73.98          | 23.57       | PK     |
| 15780           | 31.94        | 4.55              | H              | 36.49          | 53.98          | 17.49       | AV     |

Band : UNII 2A

Operation Mode: 802.11 ac(VHT20)

Transfer MCS Index: MCS0

Operating Frequency 5300 MHz

Channel No. 60 Ch

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 10600           | 48.07        | 4.79              | V              | 52.86          | 73.98          | 21.12       | PK     |
| 10600           | 35.74        | 4.79              | V              | 40.53          | 53.98          | 13.45       | AV     |
| 15900           | 47.35        | 5.29              | V              | 52.64          | 73.98          | 21.34       | PK     |
| 15900           | 31.83        | 5.29              | V              | 37.12          | 53.98          | 16.86       | AV     |
| 10600           | 48.02        | 4.79              | H              | 52.81          | 73.98          | 21.17       | PK     |
| 10600           | 35.10        | 4.79              | H              | 39.89          | 53.98          | 14.09       | AV     |
| 15900           | 47.31        | 5.29              | H              | 52.60          | 73.98          | 21.38       | PK     |
| 15900           | 31.78        | 5.29              | H              | 37.07          | 53.98          | 16.91       | AV     |

Band : UNII 2A

Operation Mode: 802.11 ac(VHT20)

Transfer MCS Index: MCS0

Operating Frequency 5320 MHz

Channel No. 64 Ch

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 10640           | 46.91        | 4.82              | V              | 51.73          | 73.98          | 22.25       | PK     |
| 10640           | 34.91        | 4.82              | V              | 39.73          | 53.98          | 14.25       | AV     |
| 15960           | 47.58        | 4.71              | V              | 52.29          | 73.98          | 21.69       | PK     |
| 15960           | 32.05        | 4.71              | V              | 36.76          | 53.98          | 17.22       | AV     |
| 10640           | 45.99        | 4.82              | H              | 50.81          | 73.98          | 23.17       | PK     |
| 10640           | 33.68        | 4.82              | H              | 38.50          | 53.98          | 15.48       | AV     |
| 15960           | 47.21        | 4.71              | H              | 51.92          | 73.98          | 22.06       | PK     |
| 15960           | 31.44        | 4.71              | H              | 36.15          | 53.98          | 17.83       | AV     |

Band : UNII 2C

Operation Mode: 802.11 ac(VHT20)

Transfer MCS Index: MCS0

Operating Frequency 5500 MHz

Channel No. 100 Ch

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 11000           | 46.10        | 4.61              | V              | 50.71          | 73.98          | 23.27       | PK     |
| 11000           | 33.67        | 4.61              | V              | 38.28          | 53.98          | 15.70       | AV     |
| 16500           | 45.94        | 7.08              | V              | 53.02          | 68.20          | 15.18       | PK     |
| 11000           | 46.25        | 4.61              | H              | 50.86          | 73.98          | 23.12       | PK     |
| 11000           | 34.48        | 4.61              | H              | 39.09          | 53.98          | 14.89       | AV     |
| 16500           | 45.49        | 7.08              | H              | 52.57          | 68.20          | 15.63       | PK     |

Band : UNII 2C

Operation Mode: 802.11 ac(VHT20)

Transfer MCS Index: MCS0

Operating Frequency 5580 MHz

Channel No. 116 Ch

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 11160           | 46.48        | 4.37              | V              | 50.85          | 73.98          | 23.13       | PK     |
| 11160           | 33.07        | 4.37              | V              | 37.44          | 53.98          | 16.54       | AV     |
| 16740           | 45.89        | 8.84              | V              | 54.73          | 68.20          | 13.47       | PK     |
| 11160           | 47.08        | 4.37              | H              | 51.45          | 73.98          | 22.53       | PK     |
| 11160           | 33.97        | 4.37              | H              | 38.34          | 53.98          | 15.64       | AV     |
| 16740           | 45.29        | 8.84              | H              | 54.13          | 68.20          | 14.07       | PK     |

Band : UNII 2C  
 Operation Mode: 802.11 ac(VHT20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5720 MHz  
 Channel No. 144 Ch

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 11440           | 46.93        | 4.60              | V              | 51.53          | 73.98          | 22.45       | PK     |
| 11440           | 38.12        | 4.60              | V              | 42.72          | 53.98          | 11.26       | AV     |
| 17160           | 47.75        | 9.39              | V              | 57.14          | 68.20          | 11.06       | PK     |
| 11440           | 47.77        | 4.60              | H              | 52.37          | 73.98          | 21.61       | PK     |
| 11440           | 39.11        | 4.60              | H              | 43.71          | 53.98          | 10.27       | AV     |
| 17160           | 47.39        | 9.39              | H              | 56.78          | 68.20          | 11.42       | PK     |

Band : UNII 3  
 Operation Mode: 802.11 ac(VHT20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5745MHz  
 Channel No. 149 Ch

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 11490           | 48.10        | 4.40              | V              | 52.50          | 73.98          | 21.48       | PK     |
| 11490           | 37.39        | 4.40              | V              | 41.79          | 53.98          | 12.19       | AV     |
| 17235           | 44.98        | 10.06             | V              | 55.04          | 68.20          | 13.16       | PK     |
| 11490           | 48.28        | 4.40              | H              | 52.68          | 73.98          | 21.30       | PK     |
| 11490           | 39.74        | 4.40              | H              | 44.14          | 53.98          | 9.84        | AV     |
| 17235           | 45.02        | 10.06             | H              | 55.08          | 68.20          | 13.12       | PK     |

Band : UNII 3  
Operation Mode: 802.11 ac(VHT20)  
Transfer MCS Index: MCS0  
Operating Frequency 5785 MHz  
Channel No. 157 Ch

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 11570           | 47.67        | 5.13              | V              | 52.80          | 73.98          | 21.18       | PK     |
| 11570           | 37.58        | 5.13              | V              | 42.71          | 53.98          | 11.27       | AV     |
| 17355           | 46.04        | 10.65             | V              | 56.69          | 68.20          | 11.51       | PK     |
| 11570           | 47.97        | 5.13              | H              | 53.10          | 73.98          | 20.88       | PK     |
| 11570           | 39.24        | 5.13              | H              | 44.37          | 53.98          | 9.61        | AV     |
| 17355           | 46.52        | 10.65             | H              | 57.17          | 68.20          | 11.03       | PK     |

Band : UNII 3  
Operation Mode: 802.11 ac(VHT20)  
Transfer MCS Index: MCS0  
Operating Frequency 5825 MHz  
Channel No. 165 Ch

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 11650           | 48.11        | 4.40              | V              | 52.51          | 73.98          | 21.47       | PK     |
| 11650           | 37.39        | 4.40              | V              | 41.79          | 53.98          | 12.19       | AV     |
| 17475           | 45.95        | 10.73             | V              | 56.68          | 68.20          | 11.52       | PK     |
| 11650           | 48.23        | 4.40              | H              | 52.63          | 73.98          | 21.35       | PK     |
| 11650           | 39.78        | 4.40              | H              | 44.18          | 53.98          | 9.80        | AV     |
| 17475           | 46.43        | 10.73             | H              | 57.16          | 68.20          | 11.04       | PK     |

Band : UNII 1  
 Operation Mode: 802.11 n(HT40)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5190 MHz  
 Channel No. 38 Ch

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 10380           | 46.55        | 4.71              | V              | 51.26          | 68.20          | 16.94       | PK     |
| 15570           | 45.39        | 4.94              | V              | 50.33          | 73.98          | 23.65       | PK     |
| 15570           | 33.08        | 4.94              | V              | 38.02          | 53.98          | 15.96       | AV     |
| 10380           | 47.27        | 4.71              | H              | 51.98          | 68.20          | 16.22       | PK     |
| 15570           | 46.25        | 4.94              | H              | 51.19          | 73.98          | 22.79       | PK     |
| 15570           | 33.16        | 4.94              | H              | 38.10          | 53.98          | 15.88       | AV     |

Band : UNII 1  
 Operation Mode: 802.11 n(HT40)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5230 MHz  
 Channel No. 46 Ch

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 10460           | 45.69        | 4.89              | V              | 50.58          | 68.20          | 17.62       | PK     |
| 15690           | 45.07        | 4.13              | V              | 49.20          | 73.98          | 24.78       | PK     |
| 15690           | 32.01        | 4.13              | V              | 36.14          | 53.98          | 17.84       | AV     |
| 10460           | 46.49        | 4.89              | H              | 51.38          | 68.20          | 16.82       | PK     |
| 15690           | 45.70        | 4.13              | H              | 49.83          | 73.98          | 24.15       | PK     |
| 15690           | 32.54        | 4.13              | H              | 36.67          | 53.98          | 17.31       | AV     |

Band : UNII 2A  
 Operation Mode: 802.11 n(HT40)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5270 MHz  
 Channel No. 54 Ch

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 10540           | 47.22        | 4.68              | V              | 51.90          | 68.20          | 16.30       | PK     |
| 15810           | 48.65        | 5.20              | V              | 53.85          | 73.98          | 20.13       | PK     |
| 15810           | 32.86        | 5.20              | V              | 38.06          | 53.98          | 15.92       | AV     |
| 10540           | 46.87        | 4.68              | H              | 51.55          | 68.20          | 16.65       | PK     |
| 15810           | 47.33        | 5.20              | H              | 52.53          | 73.98          | 21.45       | PK     |
| 15810           | 32.47        | 5.20              | H              | 37.67          | 53.98          | 16.31       | AV     |

Band : UNII 2A  
 Operation Mode: 802.11 n(HT40)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5310 MHz  
 Channel No. 62 Ch

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 10620           | 46.87        | 5.37              | V              | 52.24          | 73.98          | 21.74       | PK     |
| 10620           | 35.87        | 5.37              | V              | 41.24          | 53.98          | 12.74       | AV     |
| 15930           | 44.77        | 4.96              | V              | 49.73          | 73.98          | 24.25       | PK     |
| 15930           | 32.29        | 4.96              | V              | 37.25          | 53.98          | 16.73       | AV     |
| 10620           | 46.39        | 5.37              | H              | 51.76          | 73.98          | 22.22       | PK     |
| 10620           | 34.96        | 5.37              | H              | 40.33          | 53.98          | 13.65       | AV     |
| 15930           | 44.31        | 4.96              | H              | 49.27          | 73.98          | 24.71       | PK     |
| 15930           | 31.38        | 4.96              | H              | 36.34          | 53.98          | 17.64       | AV     |

Band : UNII 2C  
 Operation Mode: 802.11 n(HT40)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5510 MHz  
 Channel No. 102 Ch

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 11020           | 45.39        | 4.84              | V              | 50.23          | 73.98          | 23.75       | PK     |
| 11020           | 34.26        | 4.84              | V              | 39.10          | 53.98          | 14.88       | AV     |
| 16530           | 45.84        | 7.31              | V              | 53.15          | 68.20          | 15.05       | PK     |
| 11020           | 46.02        | 4.84              | H              | 50.86          | 73.98          | 23.12       | PK     |
| 11020           | 34.80        | 4.84              | H              | 39.64          | 53.98          | 14.34       | AV     |
| 16530           | 45.33        | 7.31              | H              | 52.64          | 68.20          | 15.56       | PK     |

Band : UNII 2C  
 Operation Mode: 802.11 n(HT40)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5550 MHz  
 Channel No. 110 Ch

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 11100           | 46.42        | 4.80              | V              | 51.22          | 73.98          | 22.76       | PK     |
| 11100           | 34.89        | 4.80              | V              | 39.69          | 53.98          | 14.29       | AV     |
| 16650           | 45.30        | 8.45              | V              | 53.75          | 68.20          | 14.45       | PK     |
| 11100           | 46.84        | 4.80              | H              | 51.64          | 73.98          | 22.34       | PK     |
| 11100           | 35.46        | 4.80              | H              | 40.26          | 53.98          | 13.72       | AV     |
| 16650           | 45.15        | 8.45              | H              | 53.60          | 68.20          | 14.60       | PK     |

Band : UNII 2C  
 Operation Mode: 802.11 n(HT40)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5710 MHz  
 Channel No. 142 Ch

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 11420           | 46.69        | 4.88              | V              | 51.57          | 73.98          | 22.41       | PK     |
| 11420           | 36.63        | 4.88              | V              | 41.51          | 53.98          | 12.47       | AV     |
| 17130           | 46.18        | 9.05              | V              | 55.23          | 68.20          | 12.97       | PK     |
| 11420           | 48.23        | 4.88              | H              | 53.11          | 73.98          | 20.87       | PK     |
| 11420           | 40.24        | 4.88              | H              | 45.12          | 53.98          | 8.86        | AV     |
| 17130           | 45.61        | 9.05              | H              | 54.66          | 68.20          | 13.54       | PK     |

Band : UNII 3  
 Operation Mode: 802.11 n(HT40)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5755 MHz  
 Channel No. 151 Ch

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 11510           | 46.88        | 4.41              | V              | 51.29          | 73.98          | 22.69       | PK     |
| 11510           | 37.12        | 4.41              | V              | 41.53          | 53.98          | 12.45       | AV     |
| 17265           | 44.87        | 10.08             | V              | 54.95          | 68.20          | 13.25       | PK     |
| 11510           | 49.17        | 4.41              | H              | 53.58          | 73.98          | 20.40       | PK     |
| 11510           | 40.25        | 4.41              | H              | 44.66          | 53.98          | 9.32        | AV     |
| 17265           | 45.58        | 10.08             | H              | 55.66          | 68.20          | 12.54       | PK     |

Band : UNII 3  
 Operation Mode: 802.11 n(HT40)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5795 MHz  
 Channel No. 159 Ch

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 11590           | 47.69        | 4.75              | V              | 52.44          | 73.98          | 21.54       | PK     |
| 11590           | 36.89        | 4.75              | V              | 41.64          | 53.98          | 12.34       | AV     |
| 17385           | 45.69        | 10.52             | V              | 56.21          | 68.20          | 11.99       | PK     |
| 11590           | 48.24        | 4.75              | H              | 52.99          | 73.98          | 20.99       | PK     |
| 11590           | 40.58        | 4.75              | H              | 45.33          | 53.98          | 8.65        | AV     |
| 17385           | 46.41        | 10.52             | H              | 56.93          | 68.20          | 11.27       | PK     |

Band : UNII 1  
 Operation Mode: 802.11 ac(VHT40)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5190 MHz  
 Channel No. 38 Ch

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 10380           | 46.34        | 4.71              | V              | 51.05          | 68.20          | 17.15       | PK     |
| 15570           | 45.27        | 4.94              | V              | 50.21          | 73.98          | 23.77       | PK     |
| 15570           | 33.07        | 4.94              | V              | 38.01          | 53.98          | 15.97       | AV     |
| 10380           | 47.55        | 4.71              | H              | 52.26          | 68.20          | 15.94       | PK     |
| 15570           | 45.81        | 4.94              | H              | 50.75          | 73.98          | 23.23       | PK     |
| 15570           | 33.32        | 4.94              | H              | 38.26          | 53.98          | 15.72       | AV     |

Band : UNII 1  
 Operation Mode: 802.11 ac(VHT40)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5230 MHz  
 Channel No. 46 Ch

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 10460           | 46.73        | 4.89              | V              | 51.62          | 68.20          | 16.58       | PK     |
| 15690           | 46.48        | 4.13              | V              | 50.61          | 73.98          | 23.37       | PK     |
| 15690           | 32.98        | 4.13              | V              | 37.11          | 53.98          | 16.87       | AV     |
| 10460           | 47.23        | 4.89              | H              | 52.12          | 68.20          | 16.08       | PK     |
| 15690           | 46.83        | 4.13              | H              | 50.96          | 73.98          | 23.02       | PK     |
| 15690           | 33.23        | 4.13              | H              | 37.36          | 53.98          | 16.62       | AV     |

Band : UNII 2A  
 Operation Mode: 802.11 ac(VHT40)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5270 MHz  
 Channel No. 54 Ch

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 10540           | 47.45        | 4.68              | V              | 52.13          | 68.20          | 16.07       | PK     |
| 15810           | 47.94        | 5.20              | V              | 53.14          | 73.98          | 20.84       | PK     |
| 15810           | 33.37        | 5.20              | V              | 38.57          | 53.98          | 15.41       | AV     |
| 10540           | 47.09        | 4.68              | H              | 51.77          | 68.20          | 16.43       | PK     |
| 15810           | 47.29        | 5.20              | H              | 52.49          | 73.98          | 21.49       | PK     |
| 15810           | 33.21        | 5.20              | H              | 38.41          | 53.98          | 15.57       | AV     |

Band : UNII 2A  
Operation Mode: 802.11 ac(VHT40)  
Transfer MCS Index: MCS0  
Operating Frequency 5310 MHz  
Channel No. 62 Ch

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 10620           | 47.75        | 5.37              | V              | 53.12          | 73.98          | 20.86       | PK     |
| 10620           | 36.51        | 5.37              | V              | 41.88          | 53.98          | 12.10       | AV     |
| 15930           | 45.65        | 4.96              | V              | 50.61          | 73.98          | 23.37       | PK     |
| 15930           | 32.95        | 4.96              | V              | 37.91          | 53.98          | 16.07       | AV     |
| 10620           | 46.58        | 5.37              | H              | 51.95          | 73.98          | 22.03       | PK     |
| 10620           | 36.22        | 5.37              | H              | 41.59          | 53.98          | 12.39       | AV     |
| 15930           | 44.39        | 4.96              | H              | 49.35          | 73.98          | 24.63       | PK     |
| 15930           | 32.78        | 4.96              | H              | 37.74          | 53.98          | 16.24       | AV     |

Band : UNII 2C  
Operation Mode: 802.11 ac(VHT40)  
Transfer MCS Index: MCS0  
Operating Frequency 5510 MHz  
Channel No. 102 Ch

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 11020           | 46.18        | 4.84              | V              | 51.02          | 73.98          | 22.96       | PK     |
| 11020           | 35.17        | 4.84              | V              | 40.01          | 53.98          | 13.97       | AV     |
| 16530           | 45.78        | 7.31              | V              | 53.09          | 68.20          | 15.11       | PK     |
| 11020           | 46.82        | 4.84              | H              | 51.66          | 73.98          | 22.32       | PK     |
| 11020           | 35.57        | 4.84              | H              | 40.41          | 53.98          | 13.57       | AV     |
| 16530           | 44.96        | 7.31              | H              | 52.27          | 68.20          | 15.93       | PK     |

Band : UNII 2C  
 Operation Mode: 802.11 ac(VHT40)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5550 MHz  
 Channel No. 110 Ch

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 11100           | 46.31        | 4.80              | V              | 51.11          | 73.98          | 22.87       | PK     |
| 11100           | 36.28        | 4.80              | V              | 41.08          | 53.98          | 12.90       | AV     |
| 16650           | 45.56        | 8.45              | V              | 54.01          | 68.20          | 14.19       | PK     |
| 11100           | 47.68        | 4.80              | H              | 52.48          | 73.98          | 21.50       | PK     |
| 11100           | 36.50        | 4.80              | H              | 41.30          | 53.98          | 12.68       | AV     |
| 16650           | 45.33        | 8.45              | H              | 53.78          | 68.20          | 14.42       | PK     |

Band : UNII 2C  
 Operation Mode: 802.11 ac(VHT40)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5710 MHz  
 Channel No. 142 Ch

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 11420           | 47.69        | 4.88              | V              | 52.57          | 73.98          | 21.41       | PK     |
| 11420           | 39.20        | 4.88              | V              | 44.08          | 53.98          | 9.90        | AV     |
| 17130           | 46.20        | 9.05              | V              | 55.25          | 68.20          | 12.95       | PK     |
| 11420           | 48.55        | 4.88              | H              | 53.43          | 73.98          | 20.55       | PK     |
| 11420           | 40.18        | 4.88              | H              | 45.06          | 53.98          | 8.92        | AV     |
| 17130           | 45.63        | 9.05              | H              | 54.68          | 68.20          | 13.52       | PK     |

Band : UNII 3

Operation Mode: 802.11 ac(VHT40)

Transfer MCS Index: MCS0

Operating Frequency 5755 MHz

Channel No. 151 Ch

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-AMP G<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Detect |
|--------------------|-----------------|----------------------|-------------------|-------------------|-------------------|----------------|--------|
| 11510              | 46.95           | 4.41                 | V                 | 51.36             | 73.98             | 22.62          | PK     |
| 11510              | 37.02           | 4.41                 | V                 | 41.43             | 53.98             | 12.55          | AV     |
| 17265              | 45.21           | 10.08                | V                 | 55.29             | 68.20             | 12.91          | PK     |
| 11510              | 48.58           | 4.41                 | H                 | 52.99             | 73.98             | 20.99          | PK     |
| 11510              | 39.92           | 4.41                 | H                 | 44.33             | 53.98             | 9.65           | AV     |
| 17265              | 45.31           | 10.08                | H                 | 55.39             | 68.20             | 12.81          | PK     |

Band : UNII 3

Operation Mode: 802.11 ac(VHT40)

Transfer MCS Index: MCS0

Operating Frequency 5795 MHz

Channel No. 159 Ch

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-AMP G<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Detect |
|--------------------|-----------------|----------------------|-------------------|-------------------|-------------------|----------------|--------|
| 11590              | 47.86           | 4.75                 | V                 | 52.61             | 73.98             | 21.37          | PK     |
| 11590              | 36.88           | 4.75                 | V                 | 41.63             | 53.98             | 12.35          | AV     |
| 17385              | 46.08           | 10.52                | V                 | 56.60             | 68.20             | 11.60          | PK     |
| 11590              | 48.38           | 4.75                 | H                 | 53.13             | 73.98             | 20.85          | PK     |
| 11590              | 40.31           | 4.75                 | H                 | 45.06             | 53.98             | 8.92           | AV     |
| 17385              | 46.23           | 10.52                | H                 | 56.75             | 68.20             | 11.45          | PK     |

Band : UNII 1  
 Operation Mode: 802.11 ac(VHT80)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5210 MHz  
 Channel No. 42 Ch

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 10420           | 46.73        | 4.18              | V              | 50.91          | 68.20          | 17.29       | PK     |
| 15630           | 46.94        | 4.50              | V              | 51.44          | 73.98          | 22.54       | PK     |
| 15630           | 34.84        | 4.50              | V              | 39.34          | 53.98          | 14.64       | AV     |
| 10420           | 46.58        | 4.18              | H              | 50.76          | 68.20          | 17.44       | PK     |
| 15630           | 46.30        | 4.50              | H              | 50.80          | 73.98          | 23.18       | PK     |
| 15630           | 34.39        | 4.50              | H              | 38.89          | 53.98          | 15.09       | AV     |

Band : UNII 2A  
 Operation Mode: 802.11 ac(VHT80)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5290 MHz  
 Channel No. 58 Ch

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 10580           | 47.24        | 4.56              | V              | 51.80          | 68.20          | 16.40       | PK     |
| 15870           | 46.17        | 5.89              | V              | 52.06          | 73.98          | 21.92       | PK     |
| 15870           | 34.47        | 5.89              | V              | 40.36          | 53.98          | 13.62       | AV     |
| 10580           | 47.21        | 4.56              | H              | 51.77          | 68.20          | 16.43       | PK     |
| 15870           | 46.11        | 5.89              | H              | 52.00          | 73.98          | 21.98       | PK     |
| 15870           | 34.18        | 5.89              | H              | 40.07          | 53.98          | 13.91       | AV     |

Band : UNII 2C

Operation Mode: 802.11 ac(VHT80)

Transfer MCS Index: MCS0

Operating Frequency 5530 MHz

Channel No. 106 Ch

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 11060           | 46.20        | 5.10              | V              | 51.30          | 73.98          | 22.68       | PK     |
| 11060           | 34.21        | 5.10              | V              | 39.31          | 53.98          | 14.67       | AV     |
| 16590           | 45.28        | 7.84              | V              | 53.12          | 68.20          | 15.08       | PK     |
| 11060           | 46.42        | 5.10              | H              | 51.52          | 73.98          | 22.46       | PK     |
| 11060           | 35.35        | 5.10              | H              | 40.45          | 53.98          | 13.53       | AV     |
| 16590           | 45.64        | 7.84              | H              | 53.48          | 68.20          | 14.72       | PK     |

Band : UNII 2C

Operation Mode: 802.11 ac(VHT80)

Transfer MCS Index: MCS0

Operating Frequency 5690 MHz

Channel No. 138 Ch

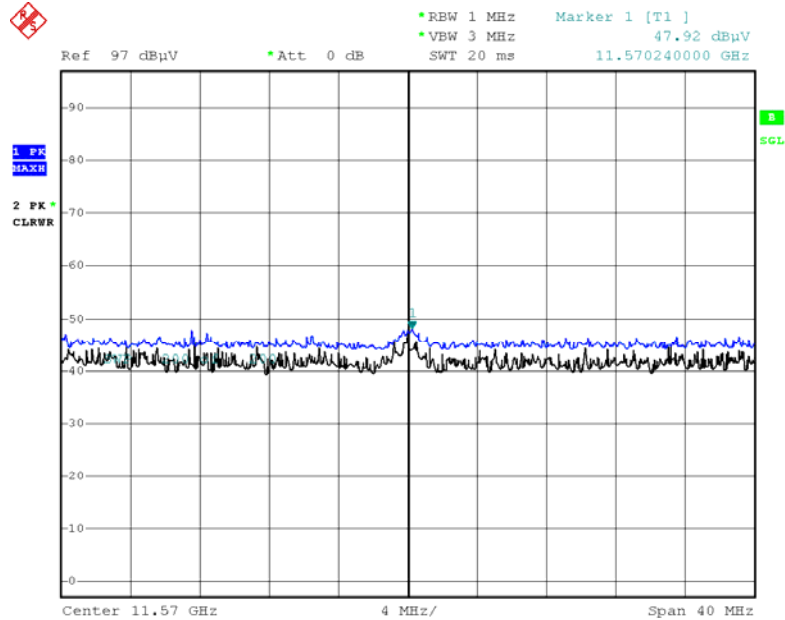
| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 11380           | 46.11        | 4.70              | V              | 50.81          | 73.98          | 23.17       | PK     |
| 11380           | 36.39        | 4.70              | V              | 41.09          | 53.98          | 12.89       | AV     |
| 17070           | 44.78        | 9.53              | V              | 54.31          | 68.20          | 13.89       | PK     |
| 11380           | 47.43        | 4.70              | H              | 52.13          | 73.98          | 21.85       | PK     |
| 11380           | 38.53        | 4.70              | H              | 43.23          | 53.98          | 10.75       | AV     |
| 17070           | 45.08        | 9.53              | H              | 54.61          | 68.20          | 13.59       | PK     |

Band : UNII 3  
 Operation Mode: 802.11 ac(VHT80)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5775 MHz  
 Channel No. 155 Ch

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-AMP G<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Detect |
|--------------------|-----------------|----------------------|-------------------|-------------------|-------------------|----------------|--------|
| 11550              | 47.25           | 4.89                 | V                 | 52.14             | 73.98             | 21.84          | PK     |
| 11550              | 38.34           | 4.89                 | V                 | 43.23             | 53.98             | 10.75          | AV     |
| 17325              | 45.22           | 10.86                | V                 | 56.08             | 68.20             | 12.12          | PK     |
| 11550              | 48.10           | 4.89                 | H                 | 52.99             | 73.98             | 20.99          | PK     |
| 11550              | 40.81           | 4.89                 | H                 | 45.70             | 53.98             | 8.28           | AV     |
| 17325              | 46.29           | 10.86                | H                 | 57.15             | 68.20             | 11.05          | PK     |

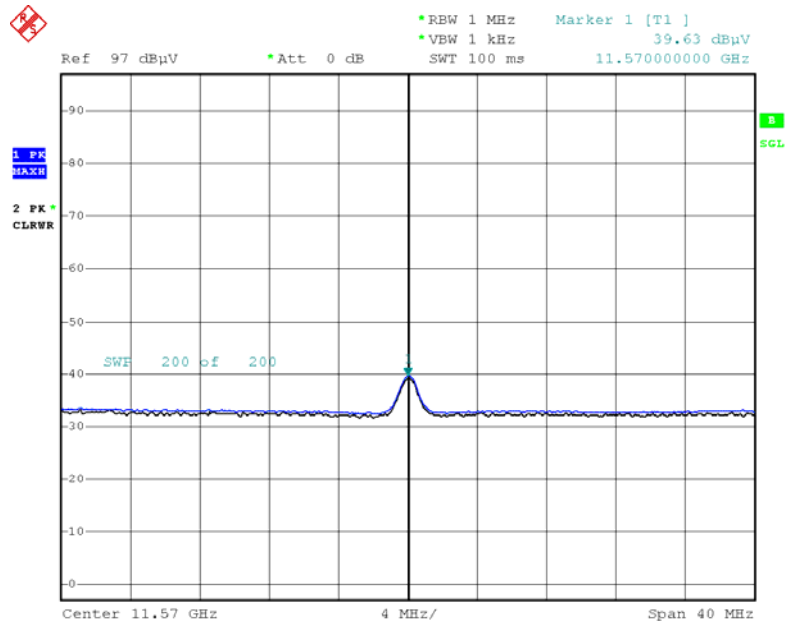
## Test Plots

Peak Reading (802.11a, Ch.157 2nd Harmonic, H)



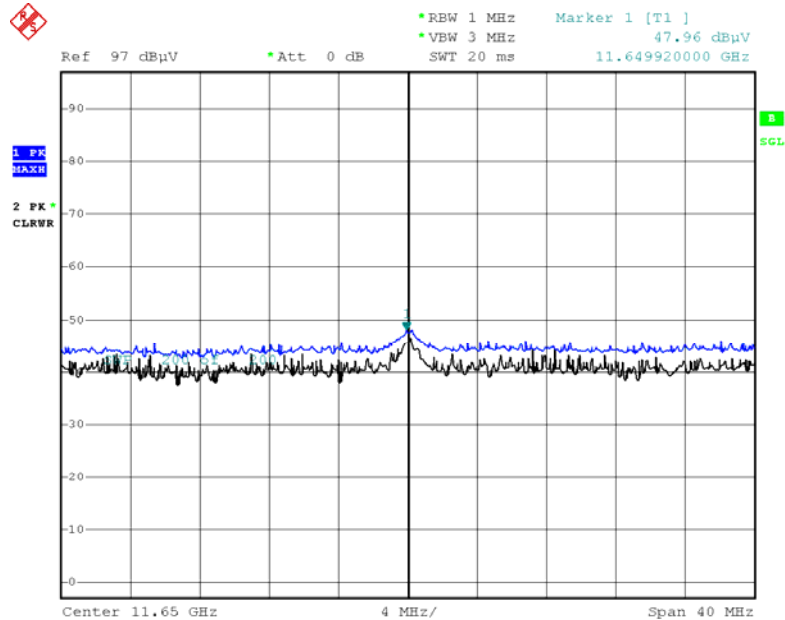
Date: 8.APR.2020 10:40:22

Average Reading (802.11a, Ch.157 2nd Harmonic, H)



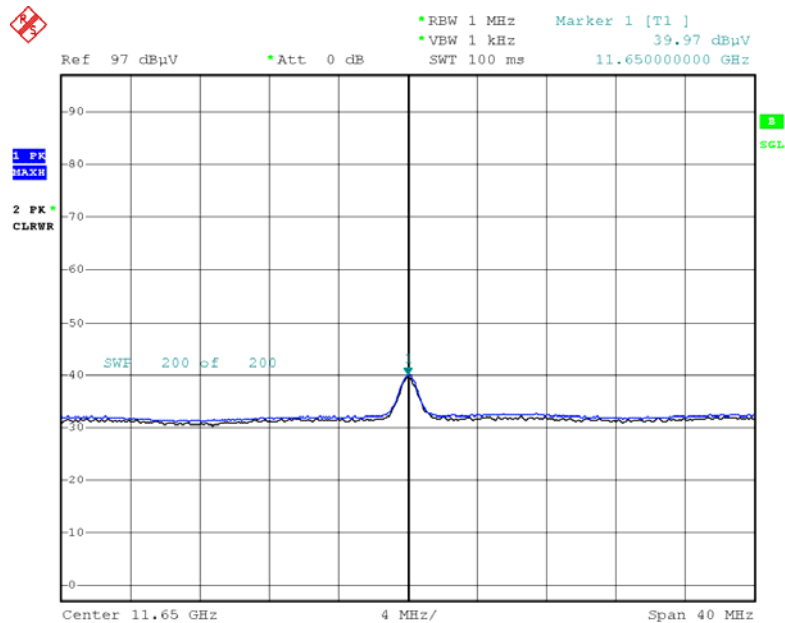
Date: 8.APR.2020 10:40:09

## Peak Reading (802.11n(20), Ch.165 2nd Harmonic, H)



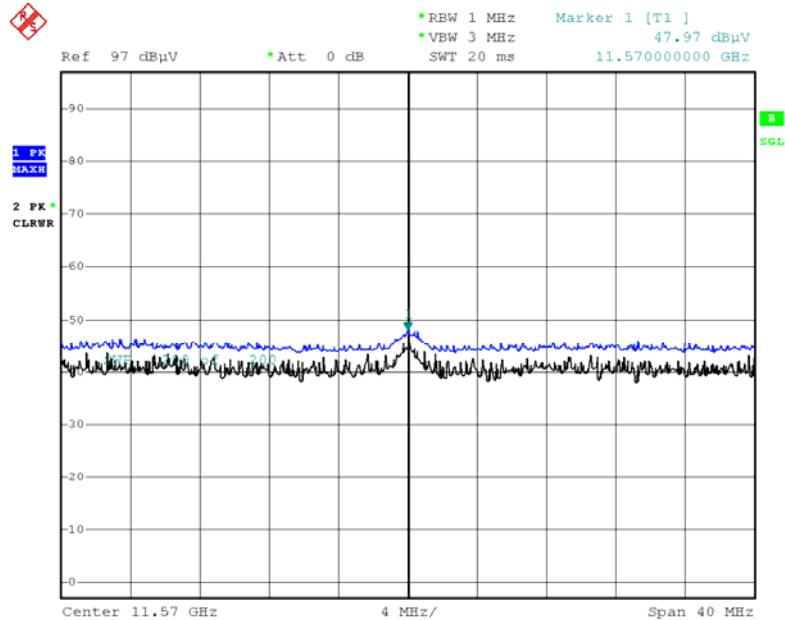
Date: 9.APR.2020 05:07:43

## Average Reading (802.11n(20), Ch.165 2nd Harmonic, H)



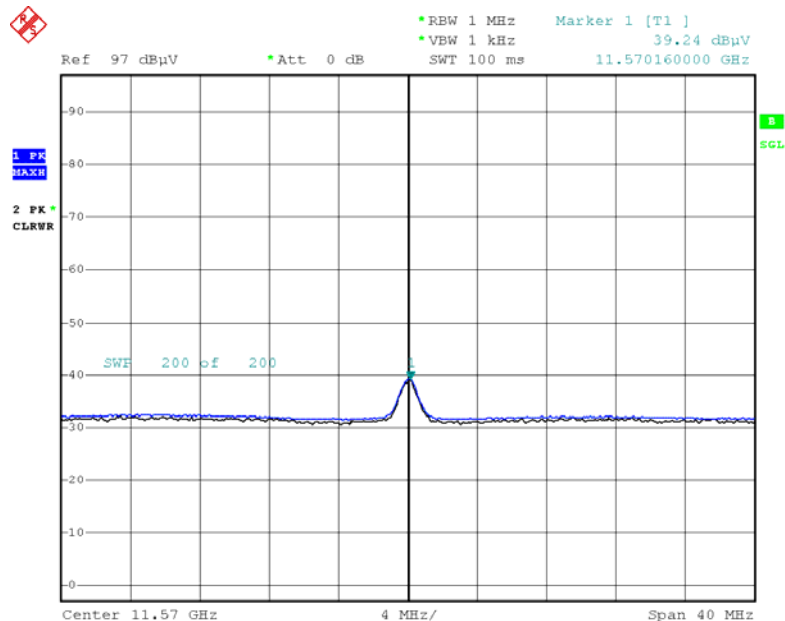
Date: 9.APR.2020 05:07:24

## Peak Reading (802.11ac(20), Ch.157 2nd Harmonic, H)



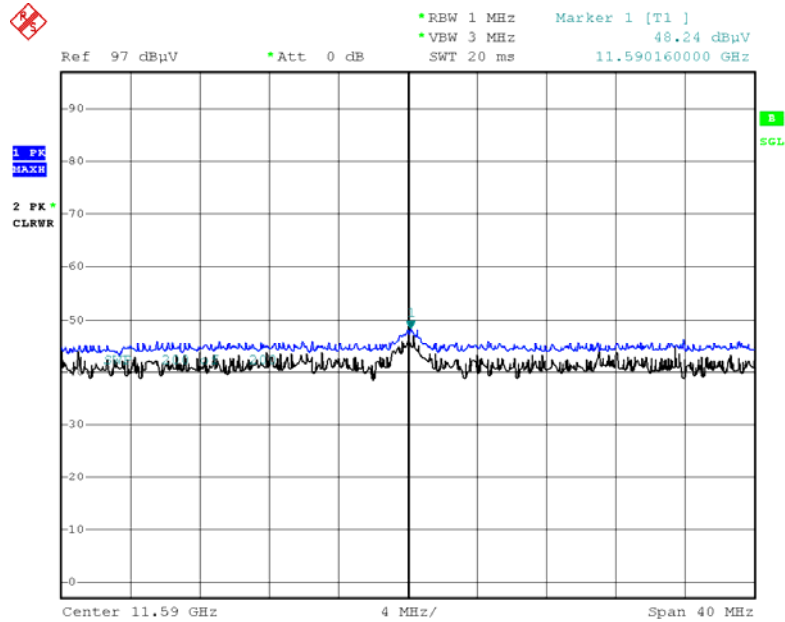
Date: 9.APR.2020 07:15:33

## Average Reading (802.11ac(20), Ch.157 2nd Harmonic, H)



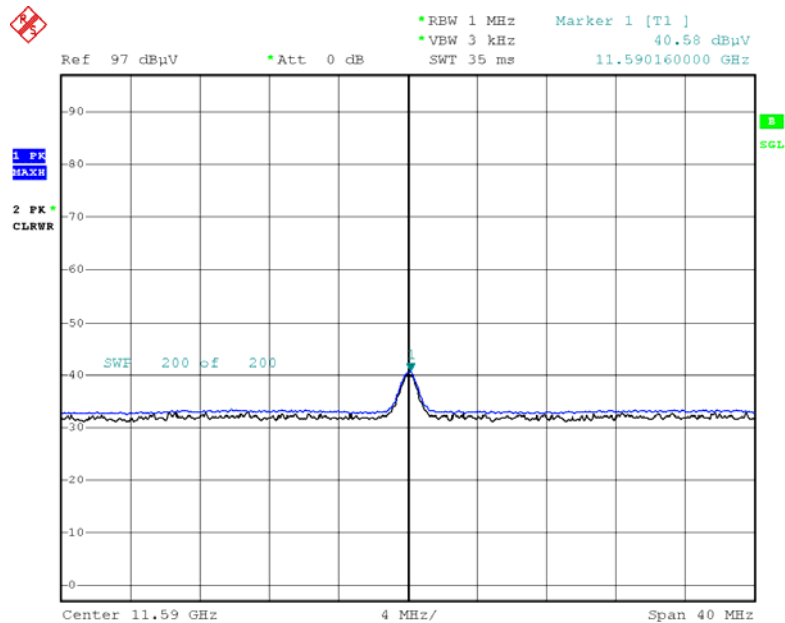
Date: 9.APR.2020 07:14:39

## Peak Reading (802.11n(40), Ch.159 2nd Harmonic, H)



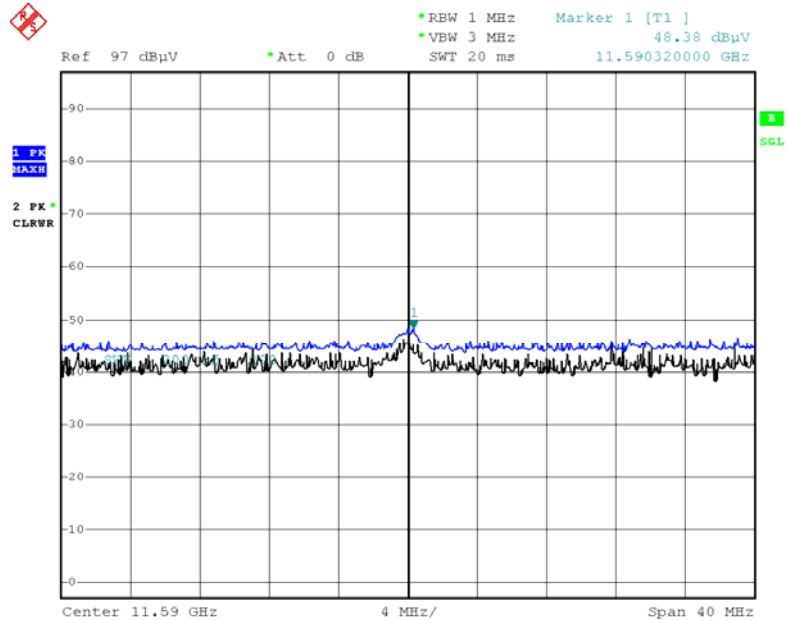
Date: 10.APR.2020 02:09:27

## Average Reading (802.11n(40), Ch.159 2nd Harmonic, H)



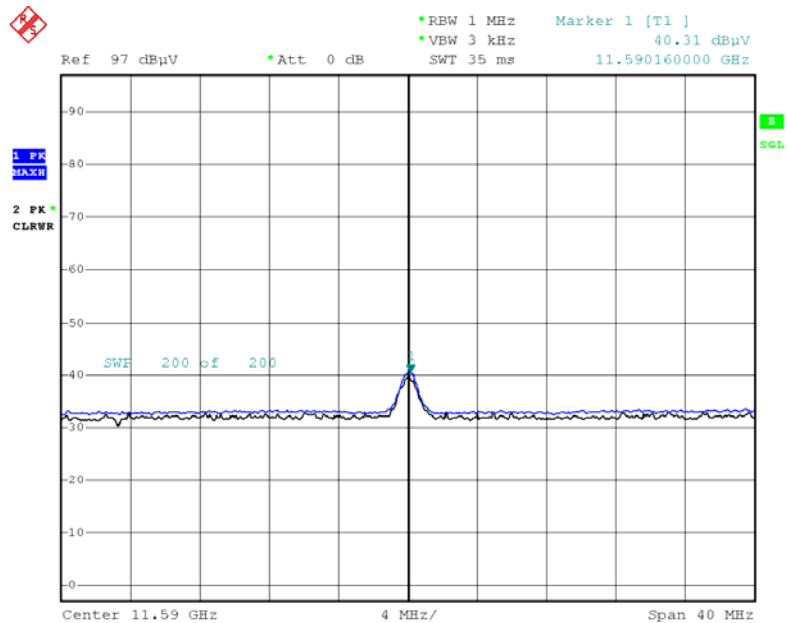
Date: 10.APR.2020 02:09:14

## Peak Reading (802.11ac(40), Ch.159 2nd Harmonic, H)



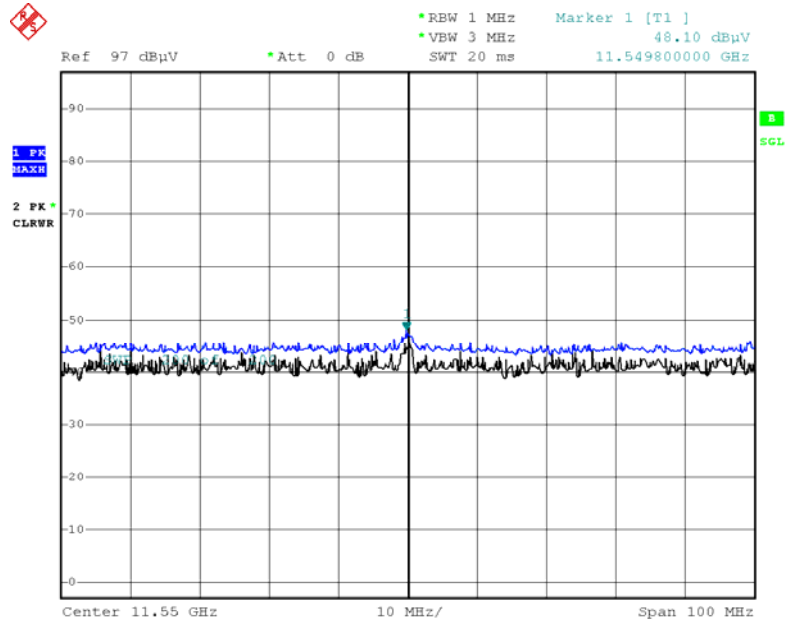
Date: 10.APR.2020 02:25:02

## Average Reading (802.11ac(40), Ch.159 2nd Harmonic, H)



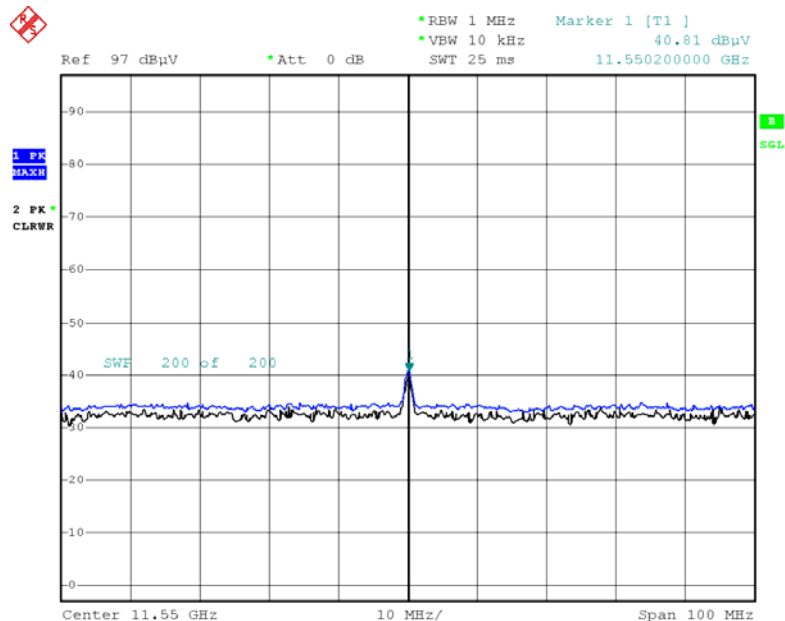
Date: 10.APR.2020 02:24:46

### Peak Reading (802.11ac(80), Ch.155 2nd Harmonic, H)



Date: 10.APR.2020 05:20:04

### Average Reading (802.11ac(80), Ch.155 2nd Harmonic, H)



Date: 10.APR.2020 05:19:40

#### Note:

Only the worst case plots for Radiated Spurious Emissions.

## 10.9 RADIATED RESTRICTED BAND EDGE

|                     |          |
|---------------------|----------|
| Band :              | UNII 1   |
| Operation Mode:     | 802.11 a |
| Transfer Rate:      | 6 Mbps   |
| Operating Frequency | 5180 MHz |
| Channel No.         | 36 Ch    |

| Frequency<br>[MHz] | Reading<br>dBuV | CL+AF+DF-AG<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Detect |
|--------------------|-----------------|---------------------|-------------------|-------------------|-------------------|----------------|--------|
| 5150               | 43.27           | 11.88               | H                 | 55.15             | 73.98             | 18.83          | PK     |
| 5150               | 30.21           | 11.88               | H                 | 42.09             | 53.98             | 11.89          | AV     |
| 5150               | 43.56           | 11.88               | V                 | 55.44             | 73.98             | 18.54          | PK     |
| 5150               | 30.35           | 11.88               | V                 | 42.23             | 53.98             | 11.75          | AV     |

|                     |          |
|---------------------|----------|
| Band :              | UNII 2A  |
| Operation Mode:     | 802.11 a |
| Transfer Rate:      | 6 Mbps   |
| Operating Frequency | 5320 MHz |
| Channel No.         | 64 Ch    |

| Frequency<br>[MHz] | Reading<br>dBuV | CL+AF+DF-AG<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Detect |
|--------------------|-----------------|---------------------|-------------------|-------------------|-------------------|----------------|--------|
| 5350               | 44.24           | 12.17               | H                 | 56.41             | 73.98             | 17.57          | PK     |
| 5350               | 31.23           | 12.17               | H                 | 43.40             | 53.98             | 10.58          | AV     |
| 5350               | 44.90           | 12.17               | V                 | 57.07             | 73.98             | 16.91          | PK     |
| 5350               | 31.38           | 12.17               | V                 | 43.55             | 53.98             | 10.43          | AV     |

|                     |          |
|---------------------|----------|
| Band :              | UNII 2C  |
| Operation Mode:     | 802.11 a |
| Transfer Rate:      | 6 Mbps   |
| Operating Frequency | 5500 MHz |
| Channel No.         | 100 Ch   |

| Frequency<br>[MHz] | Reading<br>dBuV | CL+AF+DF-AG<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Detect |
|--------------------|-----------------|---------------------|-------------------|-------------------|-------------------|----------------|--------|
| 5460               | 41.98           | 12.57               | H                 | 54.55             | 73.98             | 19.43          | PK     |
| 5460               | 29.82           | 12.57               | H                 | 42.39             | 53.98             | 11.59          | AV     |
| 5470               | 42.65           | 12.75               | H                 | 55.40             | 68.20             | 12.80          | PK     |
| 5460               | 42.61           | 12.57               | V                 | 55.18             | 73.98             | 18.80          | PK     |
| 5460               | 29.83           | 12.57               | V                 | 42.40             | 53.98             | 11.58          | AV     |
| 5470               | 43.29           | 12.75               | V                 | 56.04             | 68.20             | 12.16          | PK     |

Band : UNII 1  
 Operation Mode: 802.11 n\_HT20  
 Transfer MCS Index: 0  
 Operating Frequency 5180 MHz  
 Channel No. 36 Ch

| Frequency<br>[MHz] | Reading<br>dBuV | CL+AF+DF-AG<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Detect |
|--------------------|-----------------|---------------------|-------------------|-------------------|-------------------|----------------|--------|
| 5150               | 42.94           | 11.88               | H                 | 54.82             | 73.98             | 19.16          | PK     |
| 5150               | 30.07           | 11.88               | H                 | 41.95             | 53.98             | 12.03          | AV     |
| 5150               | 43.79           | 11.88               | V                 | 55.67             | 73.98             | 18.31          | PK     |
| 5150               | 30.15           | 11.88               | V                 | 42.03             | 53.98             | 11.95          | AV     |

Band : UNII 2A  
 Operation Mode: 802.11 n\_HT20  
 Transfer MCS Index: 0  
 Operating Frequency 5320 MHz  
 Channel No. 64 Ch

| Frequency<br>[MHz] | Reading<br>dBuV | CL+AF+DF-AG<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Detect |
|--------------------|-----------------|---------------------|-------------------|-------------------|-------------------|----------------|--------|
| 5350               | 44.21           | 12.17               | H                 | 56.38             | 73.98             | 17.60          | PK     |
| 5350               | 31.20           | 12.17               | H                 | 43.37             | 53.98             | 10.61          | AV     |
| 5350               | 44.30           | 12.17               | V                 | 56.47             | 73.98             | 17.51          | PK     |
| 5350               | 31.33           | 12.17               | V                 | 43.50             | 53.98             | 10.48          | AV     |

|                     |               |
|---------------------|---------------|
| Band :              | UNII 2C       |
| Operation Mode:     | 802.11 n_HT20 |
| Transfer MCS Index: | 0             |
| Operating Frequency | 5500 MHz      |
| Channel No.         | 100 Ch        |

| Frequency<br>[MHz] | Reading<br>dBuV | CL+AF+DF-AG<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Detect |
|--------------------|-----------------|---------------------|-------------------|-------------------|-------------------|----------------|--------|
| 5460               | 42.33           | 12.57               | H                 | 54.90             | 73.98             | 19.08          | PK     |
| 5460               | 29.87           | 12.57               | H                 | 42.44             | 53.98             | 11.54          | AV     |
| 5470               | 43.87           | 12.75               | H                 | 56.62             | 68.20             | 11.58          | PK     |
| 5460               | 42.77           | 12.57               | V                 | 55.34             | 73.98             | 18.64          | PK     |
| 5460               | 29.99           | 12.57               | V                 | 42.56             | 53.98             | 11.42          | AV     |
| 5470               | 44.29           | 12.75               | V                 | 57.04             | 68.20             | 11.16          | PK     |

|                     |                 |
|---------------------|-----------------|
| Band :              | UNII 1          |
| Operation Mode:     | 802.11 ac_VHT20 |
| Transfer MCS Index: | 0               |
| Operating Frequency | 5180 MHz        |
| Channel No.         | 36 Ch           |

| Frequency<br>[MHz] | Reading<br>dBuV | CL+AF+DF-AG<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Detect |
|--------------------|-----------------|---------------------|-------------------|-------------------|-------------------|----------------|--------|
| 5150               | 43.00           | 11.88               | H                 | 54.88             | 73.98             | 19.10          | PK     |
| 5150               | 30.01           | 11.88               | H                 | 41.89             | 53.98             | 12.09          | AV     |
| 5150               | 43.83           | 11.88               | V                 | 55.71             | 73.98             | 18.27          | PK     |
| 5150               | 30.07           | 11.88               | V                 | 41.95             | 53.98             | 12.03          | AV     |

|                     |                 |
|---------------------|-----------------|
| Band :              | UNII 2A         |
| Operation Mode:     | 802.11 ac_VHT20 |
| Transfer MCS Index: | 0               |
| Operating Frequency | 5320 MHz        |
| Channel No.         | 64 Ch           |

| Frequency<br>[MHz] | Reading<br>dBuV | CL+AF+DF-AG<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Detect |
|--------------------|-----------------|---------------------|-------------------|-------------------|-------------------|----------------|--------|
| 5350               | 44.46           | 12.17               | H                 | 56.63             | 73.98             | 17.35          | PK     |
| 5350               | 31.07           | 12.17               | H                 | 43.24             | 53.98             | 10.74          | AV     |
| 5350               | 45.07           | 12.17               | V                 | 57.24             | 73.98             | 16.74          | PK     |
| 5350               | 31.15           | 12.17               | V                 | 43.32             | 53.98             | 10.66          | AV     |

|                     |                 |
|---------------------|-----------------|
| Band :              | UNII 2C         |
| Operation Mode:     | 802.11 ac_VHT20 |
| Transfer MCS Index: | 0               |
| Operating Frequency | 5500 MHz        |
| Channel No.         | 100 Ch          |

| Frequency<br>[MHz] | Reading<br>dBuV | CL+AF+DF-AG<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Detect |
|--------------------|-----------------|---------------------|-------------------|-------------------|-------------------|----------------|--------|
| 5460               | 42.41           | 12.57               | H                 | 54.98             | 73.98             | 19.00          | PK     |
| 5460               | 29.83           | 12.57               | H                 | 42.40             | 53.98             | 11.58          | AV     |
| 5470               | 43.25           | 12.75               | H                 | 56.00             | 68.20             | 12.20          | PK     |
| 5460               | 43.76           | 12.57               | V                 | 56.33             | 73.98             | 17.65          | PK     |
| 5460               | 30.01           | 12.57               | V                 | 42.58             | 53.98             | 11.40          | AV     |
| 5470               | 43.43           | 12.75               | V                 | 56.18             | 68.20             | 12.02          | PK     |

Band : UNII 1

Operation Mode: 802.11 n\_HT40

Transfer MCS Index: 0

Operating Frequency 5190 MHz

Channel No. 38 Ch

| Frequency<br>[MHz] | Reading<br>dBuV | CL+AF+DF-AG<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Detect |
|--------------------|-----------------|---------------------|-------------------|-------------------|-------------------|----------------|--------|
| 5150               | 42.66           | 11.88               | H                 | 54.54             | 73.98             | 19.44          | PK     |
| 5150               | 30.58           | 11.88               | H                 | 42.46             | 53.98             | 11.52          | AV     |
| 5150               | 43.35           | 11.88               | V                 | 55.23             | 73.98             | 18.75          | PK     |
| 5150               | 30.65           | 11.88               | V                 | 42.53             | 53.98             | 11.45          | AV     |

Band : UNII 1

Operation Mode: 802.11 n\_HT40

Transfer MCS Index: 0

Operating Frequency 5310 MHz

Channel No. 62 Ch

| Frequency<br>[MHz] | Reading<br>dBuV | CL+AF+DF-AG<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Detect |
|--------------------|-----------------|---------------------|-------------------|-------------------|-------------------|----------------|--------|
| 5350               | 43.19           | 12.17               | H                 | 55.36             | 73.98             | 18.62          | PK     |
| 5350               | 31.21           | 12.17               | H                 | 43.38             | 53.98             | 10.60          | AV     |
| 5350               | 43.87           | 12.17               | V                 | 56.04             | 73.98             | 17.94          | PK     |
| 5350               | 31.51           | 12.17               | V                 | 43.68             | 53.98             | 10.30          | AV     |

|                     |               |
|---------------------|---------------|
| Band :              | UNII 2C       |
| Operation Mode:     | 802.11 n_HT40 |
| Transfer MCS Index: | 0             |
| Operating Frequency | 5510 MHz      |
| Channel No.         | 102 Ch        |

| Frequency<br>[MHz] | Reading<br>dBuV | CL+AF+DF-AG<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Detect |
|--------------------|-----------------|---------------------|-------------------|-------------------|-------------------|----------------|--------|
| 5460               | 42.35           | 12.57               | H                 | 54.92             | 73.98             | 19.06          | PK     |
| 5460               | 30.42           | 12.57               | H                 | 42.99             | 53.98             | 10.99          | AV     |
| 5470               | 44.96           | 12.75               | H                 | 57.71             | 68.20             | 10.49          | PK     |
| 5460               | 42.70           | 12.57               | V                 | 55.27             | 73.98             | 18.71          | PK     |
| 5460               | 30.55           | 12.57               | V                 | 43.12             | 53.98             | 10.86          | AV     |
| 5470               | 45.40           | 12.75               | V                 | 58.15             | 68.20             | 10.05          | PK     |

Band : UNII 1

Operation Mode: 802.11 ac\_VHT40

Transfer MCS Index: 0

Operating Frequency 5190 MHz

Channel No. 38 Ch

| Frequency<br>[MHz] | Reading<br>dBuV | CL+AF+DF-AG<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Detect |
|--------------------|-----------------|---------------------|-------------------|-------------------|-------------------|----------------|--------|
| 5150               | 42.66           | 11.88               | H                 | 54.54             | 73.98             | 19.44          | PK     |
| 5150               | 30.47           | 11.88               | H                 | 42.35             | 53.98             | 11.63          | AV     |
| 5150               | 43.41           | 11.88               | V                 | 55.29             | 73.98             | 18.69          | PK     |
| 5150               | 30.74           | 11.88               | V                 | 42.62             | 53.98             | 11.36          | AV     |

Band : UNII 1

Operation Mode: 802.11 ac\_VHT40

Transfer MCS Index: 0

Operating Frequency 5310 MHz

Channel No. 62 Ch

| Frequency<br>[MHz] | Reading<br>dBuV | CL+AF+DF-AG<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Detect |
|--------------------|-----------------|---------------------|-------------------|-------------------|-------------------|----------------|--------|
| 5350               | 43.19           | 12.17               | H                 | 55.36             | 73.98             | 18.62          | PK     |
| 5350               | 30.98           | 12.17               | H                 | 43.15             | 53.98             | 10.83          | AV     |
| 5350               | 43.64           | 12.17               | V                 | 55.81             | 73.98             | 18.17          | PK     |
| 5350               | 31.88           | 12.17               | V                 | 44.05             | 53.98             | 9.93           | AV     |

|                     |                 |
|---------------------|-----------------|
| Band :              | UNII 2C         |
| Operation Mode:     | 802.11 ac_VHT40 |
| Transfer MCS Index: | 0               |
| Operating Frequency | 5510 MHz        |
| Channel No.         | 102 Ch          |

| Frequency<br>[MHz] | Reading<br>dBuV | CL+AF+DF-AG<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Detect |
|--------------------|-----------------|---------------------|-------------------|-------------------|-------------------|----------------|--------|
| 5460               | 42.69           | 12.57               | H                 | 55.26             | 73.98             | 18.72          | PK     |
| 5460               | 30.07           | 12.57               | H                 | 42.64             | 53.98             | 11.34          | AV     |
| 5470               | 45.57           | 12.75               | H                 | 58.32             | 68.20             | 9.88           | PK     |
| 5460               | 43.45           | 12.57               | V                 | 56.02             | 73.98             | 17.96          | PK     |
| 5460               | 30.36           | 12.57               | V                 | 42.93             | 53.98             | 11.05          | AV     |
| 5470               | 46.01           | 12.75               | V                 | 58.76             | 68.20             | 9.44           | PK     |

|                     |                 |
|---------------------|-----------------|
| Band :              | UNII 1          |
| Operation Mode:     | 802.11 ac_VHT80 |
| Transfer MCS Index: | 0               |
| Operating Frequency | 5210 MHz        |
| Channel No.         | 42 Ch           |

| Frequency<br>[MHz] | Reading<br>dBuV | CL+AF+DF-AG<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Detect |
|--------------------|-----------------|---------------------|-------------------|-------------------|-------------------|----------------|--------|
| 5150               | 43.44           | 11.88               | H                 | 55.32             | 73.98             | 18.66          | PK     |
| 5150               | 32.18           | 11.88               | H                 | 44.06             | 53.98             | 9.92           | AV     |
| 5150               | 42.69           | 11.88               | V                 | 54.57             | 73.98             | 19.41          | PK     |
| 5150               | 31.29           | 11.88               | V                 | 43.17             | 53.98             | 10.81          | AV     |

|                     |                 |
|---------------------|-----------------|
| Band :              | UNII 2A         |
| Operation Mode:     | 802.11 ac_VHT80 |
| Transfer MCS Index: | 0               |
| Operating Frequency | 5290 MHz        |
| Channel No.         | 58 Ch           |

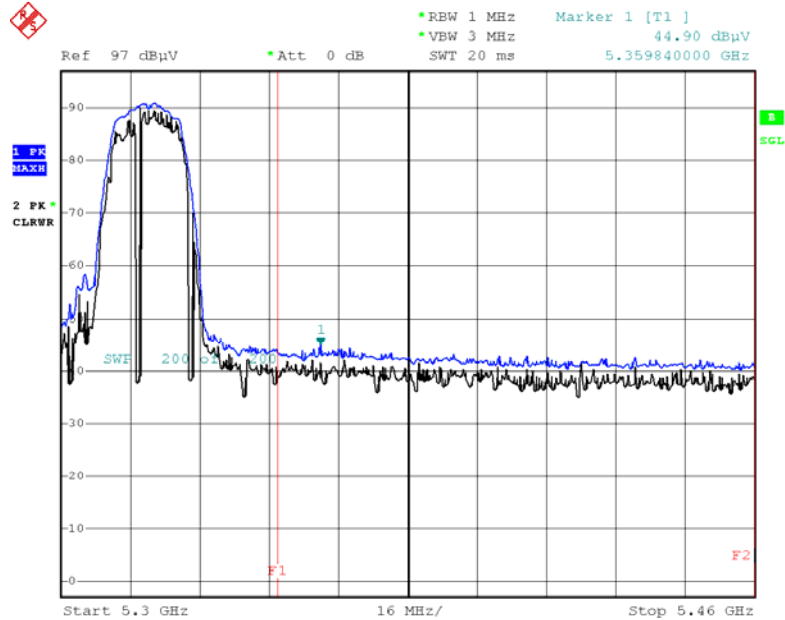
| Frequency<br>[MHz] | Reading<br>dBuV | CL+AF+DF-AG<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Detect |
|--------------------|-----------------|---------------------|-------------------|-------------------|-------------------|----------------|--------|
| 5350               | 42.16           | 12.17               | H                 | 54.33             | 73.98             | 19.65          | PK     |
| 5350               | 31.66           | 12.17               | H                 | 43.83             | 53.98             | 10.15          | AV     |
| 5350               | 43.28           | 12.17               | V                 | 55.45             | 73.98             | 18.53          | PK     |
| 5350               | 32.54           | 12.17               | V                 | 44.71             | 53.98             | 9.27           | AV     |

|                     |                 |
|---------------------|-----------------|
| Band :              | UNII 2C         |
| Operation Mode:     | 802.11 ac_VHT80 |
| Transfer MCS Index: | 0               |
| Operating Frequency | 5530 MHz        |
| Channel No.         | 106 Ch          |

| Frequency<br>[MHz] | Reading<br>dBuV | CL+AF+DF-AG<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Detect |
|--------------------|-----------------|---------------------|-------------------|-------------------|-------------------|----------------|--------|
| 5460               | 43.39           | 12.57               | H                 | 55.96             | 73.98             | 18.02          | PK     |
| 5460               | 32.17           | 12.57               | H                 | 44.74             | 53.98             | 9.24           | AV     |
| 5470               | 44.55           | 12.75               | H                 | 57.30             | 68.20             | 10.90          | PK     |
| 5460               | 44.20           | 12.57               | V                 | 56.77             | 73.98             | 17.21          | PK     |
| 5460               | 32.81           | 12.57               | V                 | 45.38             | 53.98             | 8.60           | AV     |
| 5470               | 45.38           | 12.75               | V                 | 58.13             | 68.20             | 10.07          | PK     |

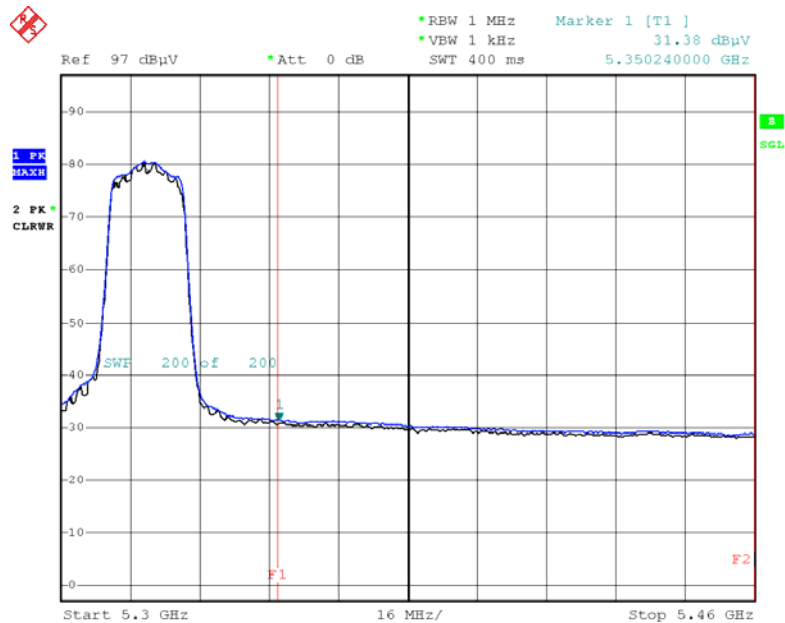
## Test Plots(UNII 1, 2A, 2C)

### Peak Reading (802.11 a, Ch.64, X-V)



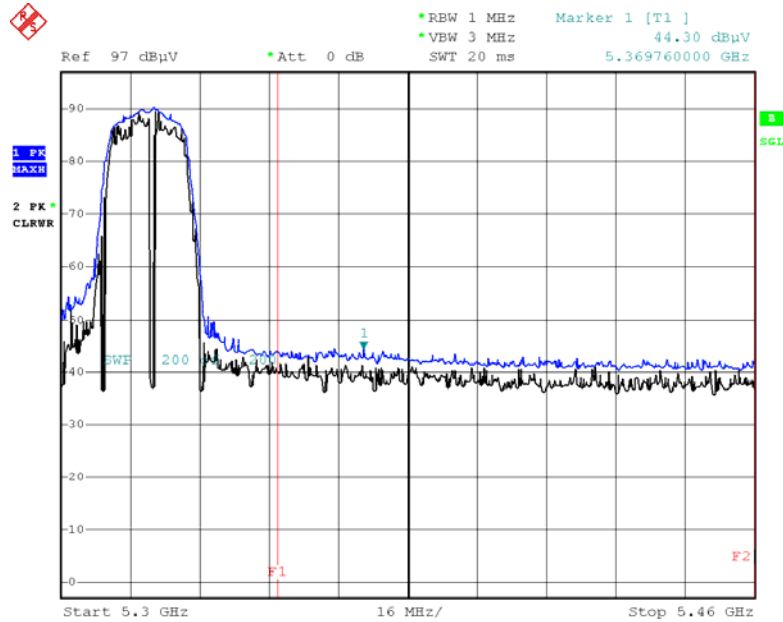
Date: 8.APR.2020 02:49:15

### Average Reading (802.11 a, Ch.64, X-V)



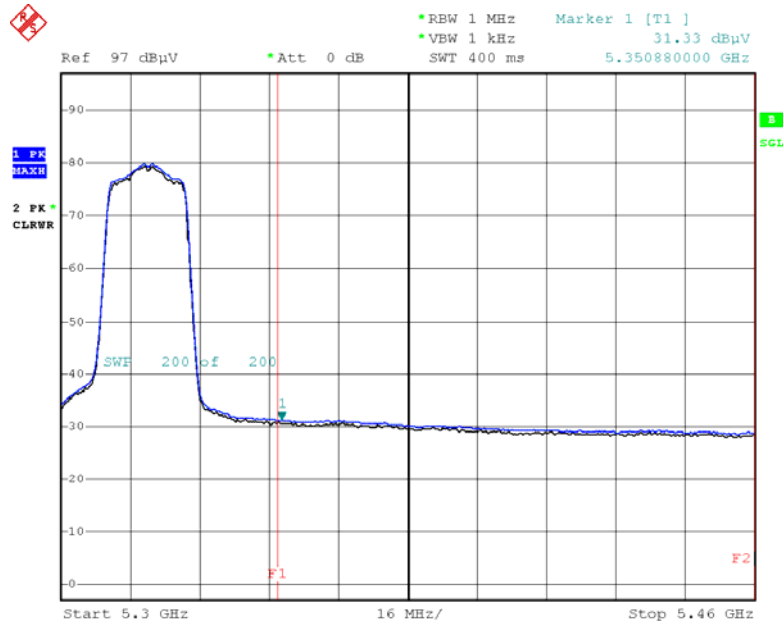
Date: 8.APR.2020 02:48:52

### Peak Reading (802.11 n(20), Ch.64, X-V)



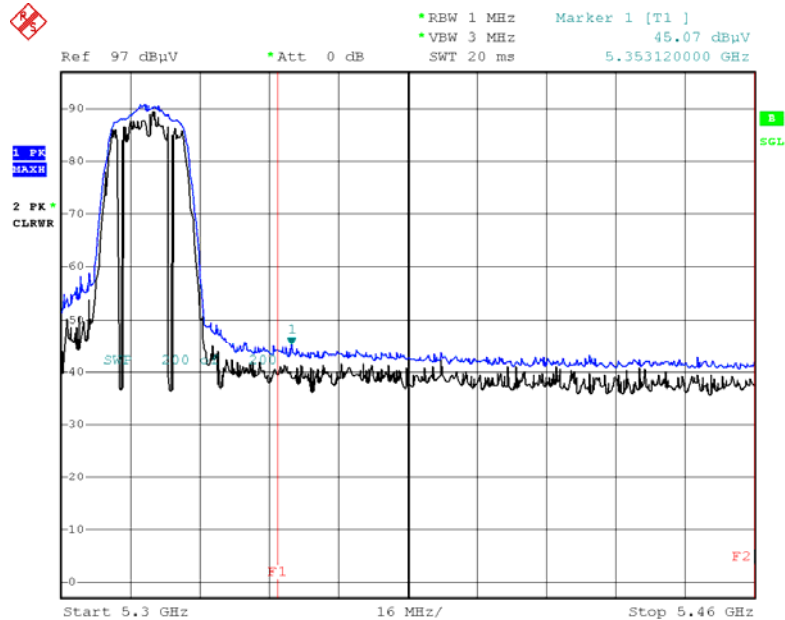
Date: 8.APR.2020 03:28:17

### Average Reading (802.11 n(20), Ch.64, X-V)



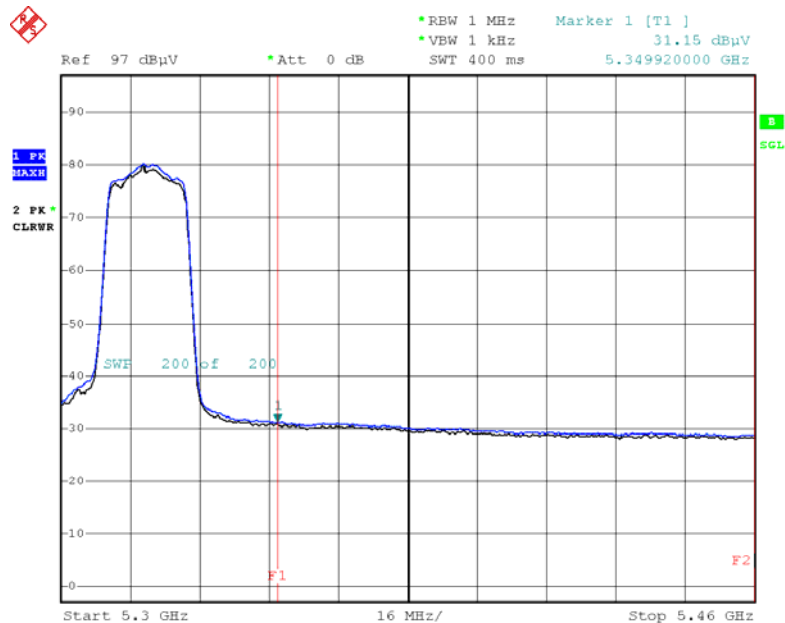
Date: 8.APR.2020 03:27:46

## Peak Reading (802.11 ac(20), Ch.64, X-V)



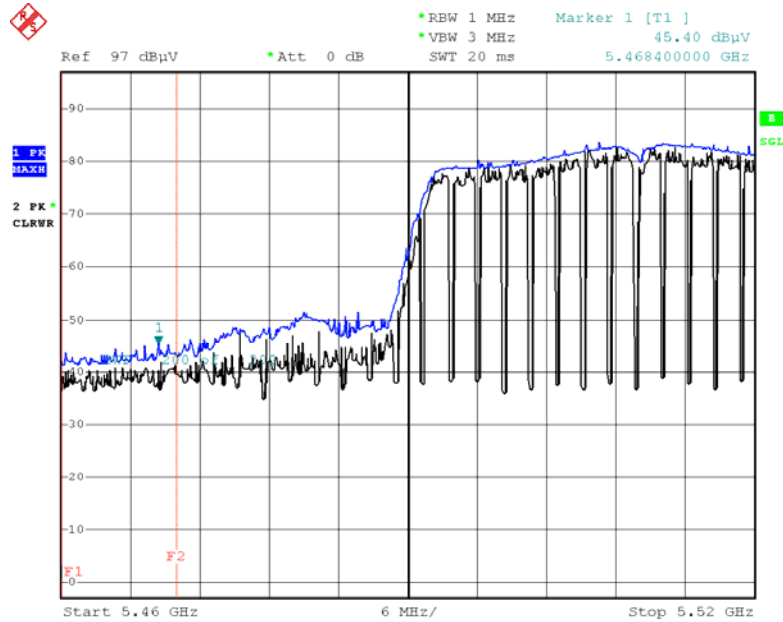
Date: 8.APR.2020 03:47:05

## Average Reading (802.11 ac(20), Ch.64, X-V)



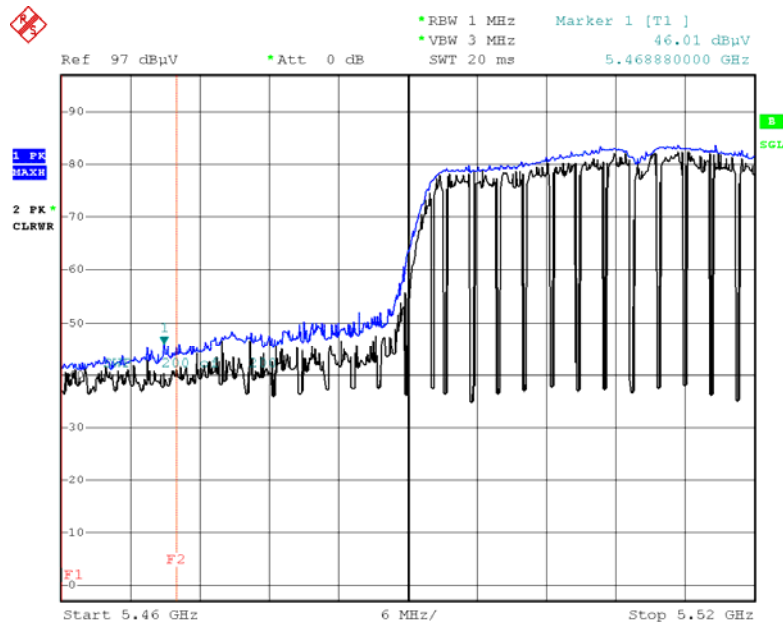
Date: 8.APR.2020 03:45:54

## Peak Reading (802.11 n(40), Ch.102, X-V)



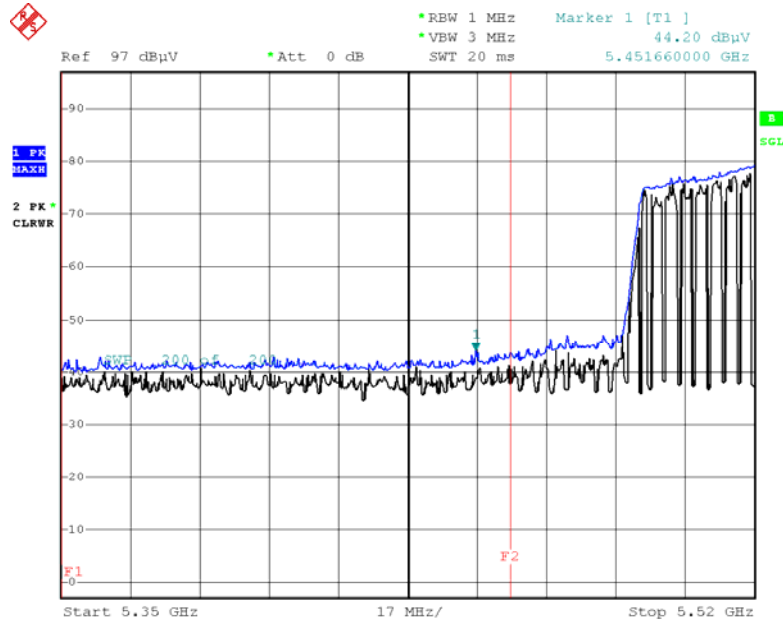
Date: 8.APR.2020 04:37:21

## Peak Reading (802.11ac(40), Ch.102, X-V)



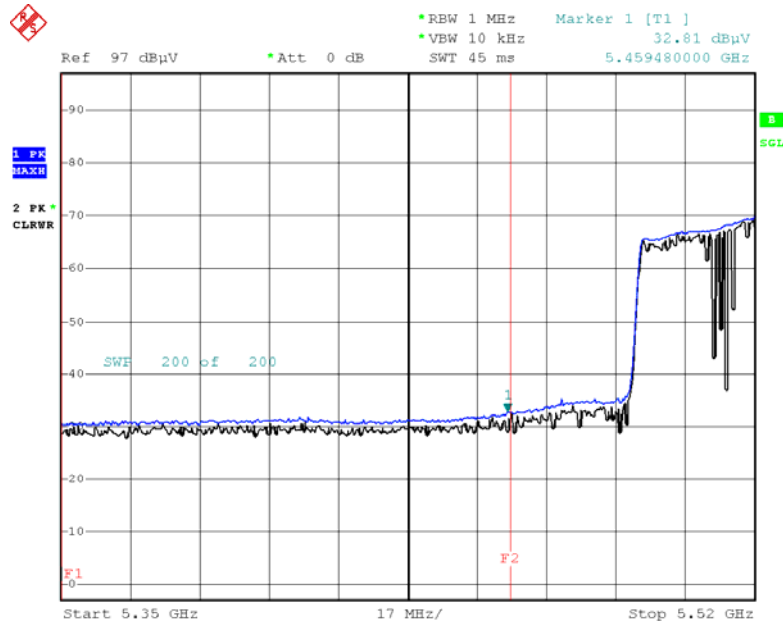
Date: 8.APR.2020 05:03:47

## Peak Reading (802.11 ac(80), Ch.106, X-V)



Date: 8.APR.2020 07:01:21

## Average Reading (802.11 ac(80), Ch.106, X-V)



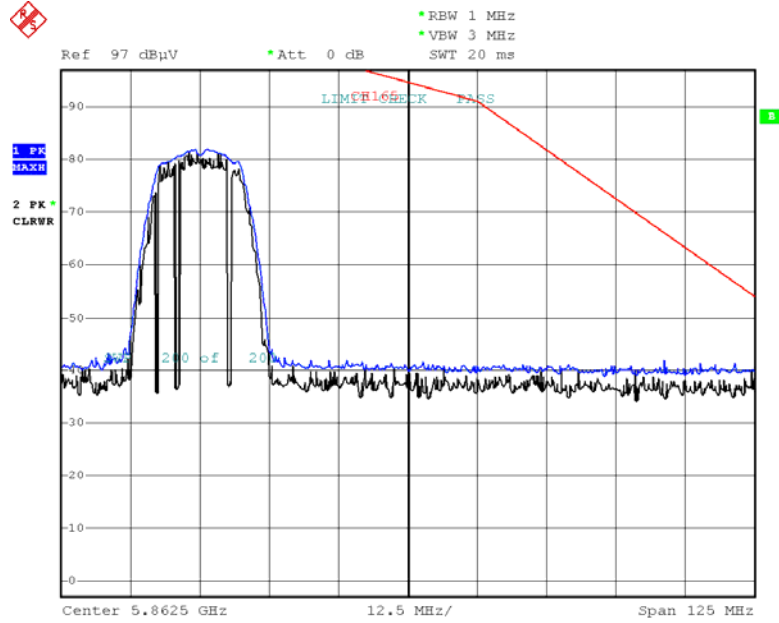
Date: 8.APR.2020 07:00:59

### Note:

Only the worst case plots for Radiated Restricted Band Edge.

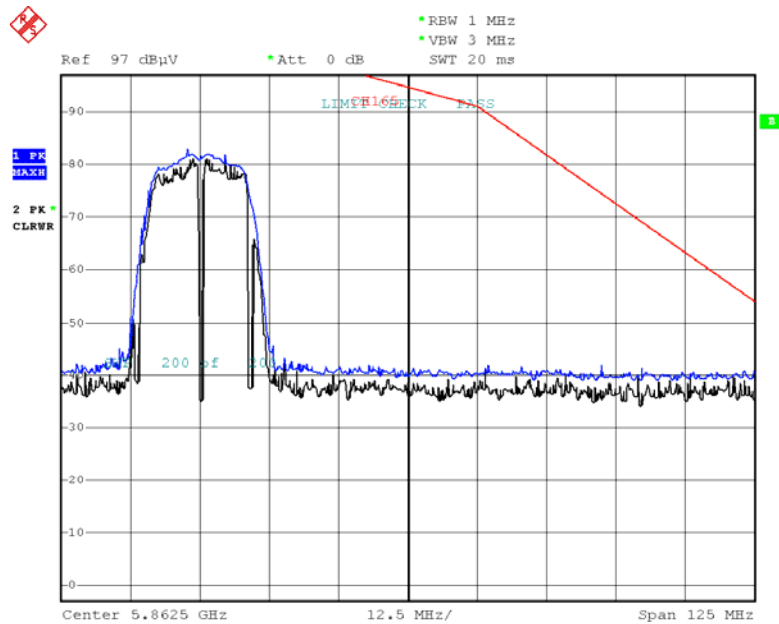
### Test Plots(UNII 3)

#### Peak Reading (802.11a, Ch.165, X-V)



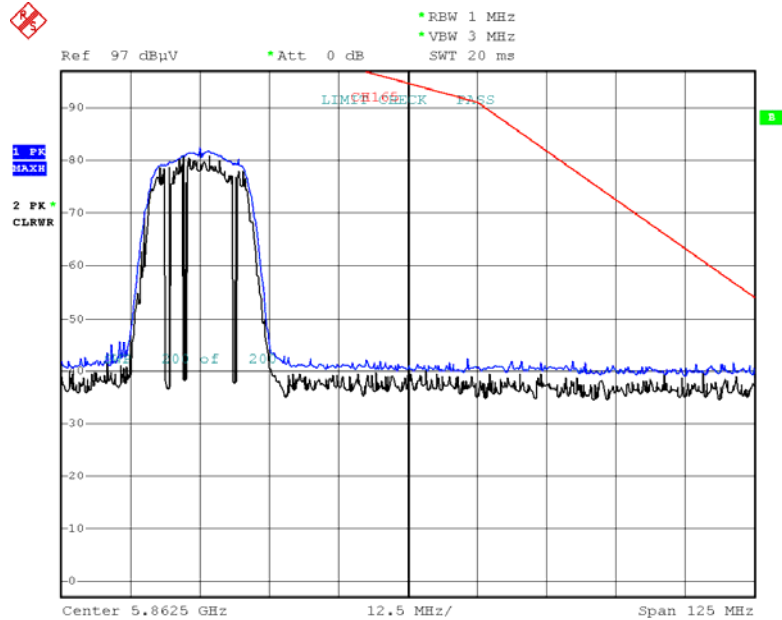
Date: 8.APR.2020 03:14:14

#### Peak Reading (802.11n\_HT20, Ch.165, X-V)



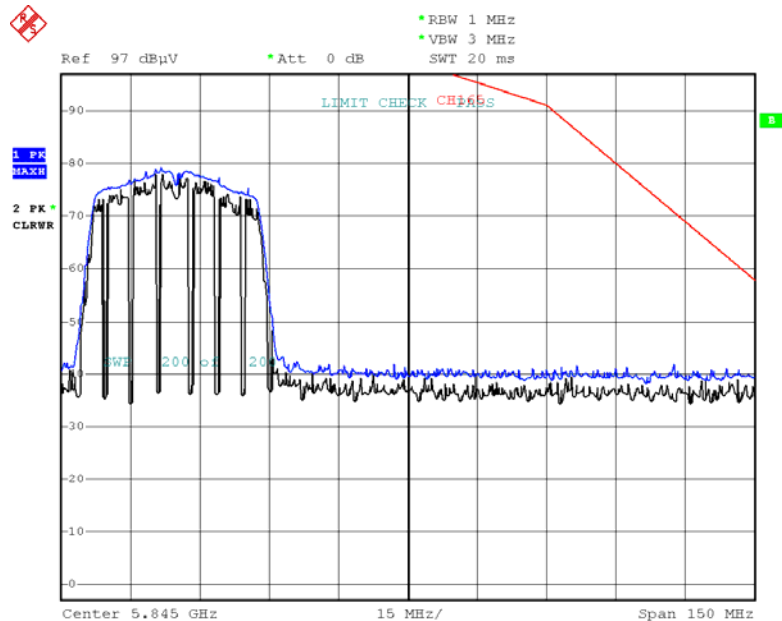
Date: 8.APR.2020 03:37:56

### Peak Reading (802.11ac\_VHT20, Ch.165, X-V)



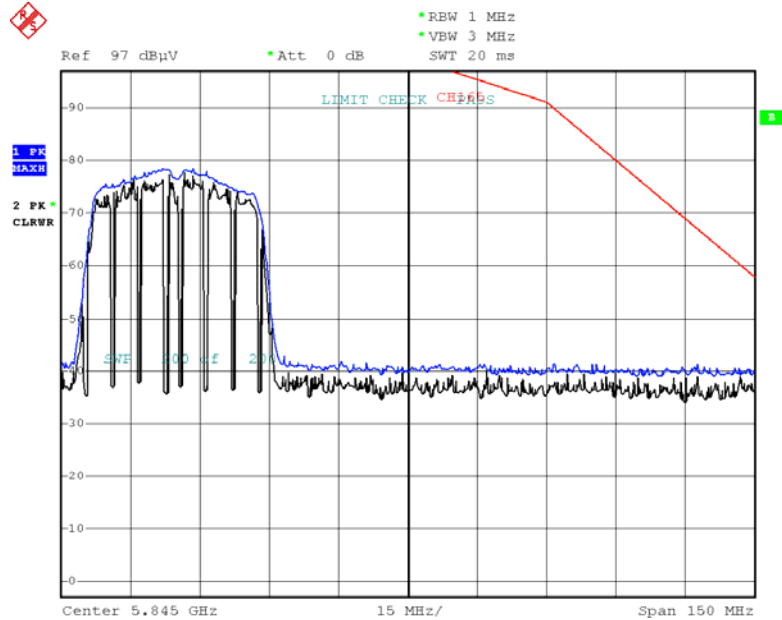
Date: 8.APR.2020 03:36:39

### Peak Reading (802.11n\_HT40, Ch.159, X-V)



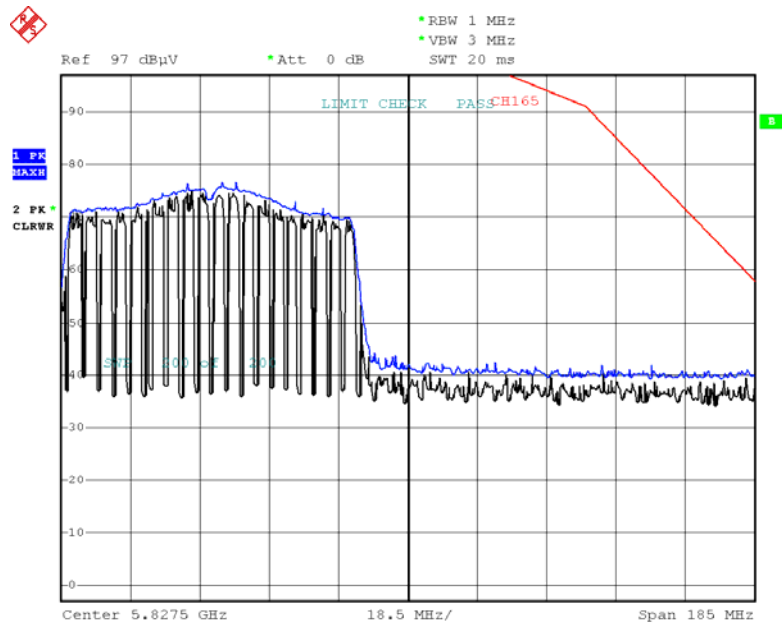
Date: 8.APR.2020 04:49:46

### Peak Reading (802.11ac\_VHT40, Ch.159, X-V)



Date: 8.APR.2020 04:51:12

### Peak Reading (802.11ac\_VHT80, Ch.155, X-V)



Date: 8.APR.2020 07:13:18

## 10.10 RECEIVER SPURIOUS EMISSIONS

### Frequency Range : Below 1 GHz

| Frequency               | Reading | Ant. factor | Cable loss | Ant. POL | Total  | Limit  | Margin |
|-------------------------|---------|-------------|------------|----------|--------|--------|--------|
| MHz                     | dBuV/m  | dBm/m       | dBm        | (H/V)    | dBuV/m | dBuV/m | dB     |
| No Critical peaks found |         |             |            |          |        |        |        |

#### **Note:**

1. Radiated emissions measured in frequency range from 30 MHz to 1000 MHz were made with an instrument using Quasi peak detector mode.

### Frequency Range : Above 1 GHz

| Frequency               | Reading | Ant. factor | Cable loss | Ant. POL | Total  | Limit  | Margin |
|-------------------------|---------|-------------|------------|----------|--------|--------|--------|
| MHz                     | dBuV/m  | dBm/m       | dBm        | (H/V)    | dBuV/m | dBuV/m | dB     |
| No Critical peaks found |         |             |            |          |        |        |        |

## 11. LIST OF TEST EQUIPMENT

### Conducted Test

| Manufacturer    | Model / Equipment                            | Calibration Date | Calibration Interval | Serial No. |
|-----------------|----------------------------------------------|------------------|----------------------|------------|
| Rohde & Schwarz | ENV216 / LISN                                | 09/11/2019       | Annual               | 102245     |
| Rohde & Schwarz | ESCI / Test Receiver                         | 06/18/2019       | Annual               | 100033     |
| ESPAC           | SU-642 / Temperature Chamber                 | 03/18/2020       | Annual               | 0093008124 |
| Agilent         | N9020A / Signal Analyzer                     | 05/23/2019       | Annual               | MY51110085 |
| Agilent         | N9030A / Signal Analyzer                     | 01/13/2020       | Annual               | MY49431210 |
| Agilent         | N1911A / Power Meter                         | 09/10/2019       | Annual               | MY45101406 |
| Agilent         | N1921A / Power Sensor                        | 09/06/2019       | Annual               | MY55220026 |
| Agilent         | 87300B / Directional Coupler                 | 11/11/2019       | Annual               | 3116A03621 |
| Hewlett Packard | 11667B / Power Splitter                      | 05/24/2019       | Annual               | 05001      |
| Hewlett Packard | E3632A / DC Power Supply                     | 06/18/2019       | Annual               | KR75303960 |
| Agilent         | 8493C / Attenuator(10 dB)                    | 07/02/2019       | Annual               | 07560      |
| Rohde & Schwarz | EMC32 / Software                             | N/A              | N/A                  | N/A        |
| HCT CO., LTD.   | FCC WLAN&BT&BLE Conducted Test Software v3.0 | N/A              | N/A                  | N/A        |
| Rohde & Schwarz | CBT / Bluetooth Tester                       | 05/16/2019       | Annual               | 100422     |

### Note:

1. Equipment listed above that calibrated during the testing period was set for test after the calibration.
2. Equipment listed above that has a calibration due date during the testing period, the testing is completed before equipment expiration date.

### Radiated Test

| Manufacturer           | Model / Equipment                                       | Calibration Date | Calibration Interval | Serial No.  |
|------------------------|---------------------------------------------------------|------------------|----------------------|-------------|
| Innco system           | CO3000 / Controller(Antenna mast)                       | N/A              | N/A                  | CO3000-4p   |
| Innco system           | MA4640/800-XP-EP / Antenna Position Tower               | N/A              | N/A                  | N/A         |
| Emco                   | 2090 / Controller                                       | N/A              | N/A                  | 060520      |
| Ets                    | Turn Table                                              | N/A              | N/A                  | N/A         |
| Rohde & Schwarz        | Loop Antenna                                            | 01/18/2019       | Biennial             | 1513-175    |
| Schwarzbeck            | VULB 9160 / Hybrid Antenna                              | 08/09/2018       | Biennial             | 3368        |
| Schwarzbeck            | BBHA 9120D / Horn Antenna                               | 11/18/2019       | Biennial             | 9120D-1191  |
| Schwarzbeck            | BBHA9170 / Horn Antenna(15 GHz ~ 40 GHz)                | 11/29/2019       | Biennial             | BBHA9170541 |
| Rohde & Schwarz        | FSP(9 kHz ~ 30 GHz) / Spectrum Analyzer                 | 09/11/2019       | Annual               | 836650/016  |
| Rohde & Schwarz        | FSV40-N / Spectrum Analyzer                             | 09/26/2019       | Annual               | 101068-SZ   |
| Wainwright Instruments | WRCJV2400/2483.5-2370/2520-60/12SS / Band Reject Filter | 01/21/2020       | Annual               | 2           |
| Wainwright Instruments | WRCJV5100/5850-40/50-8EEK / Band Reject Filter          | 02/10/2020       | Annual               | 1           |
| CERNEX                 | CBLU1183540B-01/Broadband Bench Top LNA                 | 12/24/2019       | Annual               | N/A         |
| WEINSCHTEL             | 56-10 / Attenuator(10 dB)                               |                  |                      |             |
| CERNEX                 | CBL06185030 / Broadband Low Noise Amplifier             | 12/24/2019       | Annual               | N/A         |
| Api tech.              | 18B-03 / Attenuator (3 dB)                              |                  |                      |             |
| Wainwright Instruments | WHKX10-2700-3000-18000-40SS / High Pass Filter          | 12/24/2019       | Annual               | N/A         |
| Wainwright Instruments | WHKX8-6090-7000-18000-40SS / High Pass Filter           | 12/24/2019       | Annual               | N/A         |
| T&M SYSTEM             | COAXIAL ATTENUATOR / Thru                               | 12/24/2019       | Annual               | N/A         |
| CERNEX                 | CBL18265035 / Power Amplifier                           | 12/26/2019       | Annual               | 22966       |
| CERNEX                 | CBL26405040 / Power Amplifier                           | 03/23/2020       | Annual               | 25956       |
| TESCOM                 | TC-3000C / Bluetooth Tester                             | 03/18/2020       | Annual               | 3000C000276 |

### Note:

1. Equipment listed above that calibrated during the testing period was set for test after the calibration.
2. Equipment listed above that has a calibration due date during the testing period, the testing is completed before equipment expiration date.
3. Especially, all antenna for measurement is calibrated in accordance with the requirements of C63.5(Version : 2017).

**12. ANNEX A\_ TEST SETUP PHOTO**

Please refer to test setup photo file no. as follows;

| No. | Description         |
|-----|---------------------|
| 1   | HCT-RF-2005-FI003-P |