

5.7 RADIATED EMISSIONS AND BAND EDGE MEASUREMENT

FCC 47 CFR Part 15 Subpart E Section 15.407 (b)(1)(2)(3)(4)(6)

Test Requirement: FCC 47 CFR Part 15 Subpart C Section 15.209/205

RSS-247 Issue 2 Section 6.2.1.2/6.2.2.2/6.2.3.2/6.2.4.2

Test Method: KDB 789033 D02 v02r01 Section G.3, G.4, G.5, and G.6

Receiver Setup:

| Frequency | RBW |
|---------------------|-------------|
| 0.009 MHz-0.150 MHz | 200/300 kHz |
| 0.150 MHz -30 MHz | 9/10 kHz |
| 30 MHz-1 GHz | 100/120 kHz |
| Above 1 GHz | 1 MHz |

Limits:

1. Limits of Radiated Emission and Band edge Measurement

Radiated emissions that fall in the restricted bands must comply with the general emissions limits in 15.209(a) as below table. Other emissions shall be at least 20 dB below the highest level of the desired power.

| Frequency | Field strength (microvolt/meter) | Limit (dB μ V/m) | Remark | Measurement distance (m) |
|---------------------|----------------------------------|-----------------------|------------|--------------------------|
| 0.009 MHz-0.490 MHz | 2400/F(kHz) | -- | -- | 300 |
| 0.490 MHz-1.705 MHz | 24000/F(kHz) | -- | -- | 30 |
| 1.705 MHz-30 MHz | 30 | -- | -- | 30 |
| 30 MHz-88 MHz | 100 | 40.0 | Quasi-peak | 3 |
| 88 MHz-216 MHz | 150 | 43.5 | Quasi-peak | 3 |
| 216 MHz-960 MHz | 200 | 46.0 | Quasi-peak | 3 |
| 960MHz-1GHz | 500 | 54.0 | Quasi-peak | 3 |
| Above 1 GHz | 500 | 54.0 | Average | 3 |

Remark:

- The lower limit shall apply at the transition frequencies.
- Emission level (dB μ V/m) = 20 log Emission level (μ V/m).
- For frequencies above 1000 MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20 dB under any condition of modulation.

2. Limits of Unwanted Emission Out of the Restricted Bands

| Applicable To | Limit | |
|---|---|----------------------------------|
| 789033 D02 General U-NII Test Procedures New Rules v01r04 | Field Strength at 3 m | |
| | PK: 74 (dB μ V/m) | AV: 54 (dB μ V/m) |
| Applicable To | EIRP Limit | Equivalent Field Strength at 3 m |
| RSS-247 Issue 2 Section 6.2.1.2 | PK: -27 (dBm/MHz) | PK: 74 (dB μ V/m) |
| RSS-247 Issue 2 Section 6.2.2.2 | PK: -27 (dBm/MHz) | PK: 74 (dB μ V/m) |
| RSS-247 Issue 2 Section 6.2.3.2 | PK: -27 (dBm/MHz) | PK: 68.2 (dB μ V/m) |
| RSS-247 Issue 2 Section 6.2.4.2 | 27 dBm/MHz at frequencies from the band edges decreasing linearly to 15.6 dBm/MHz at 5 MHz above or below the band edges; 15.6 dBm/MHz at 5 MHz above or below the band edges decreasing linearly to 10 dBm/MHz at 25 MHz above or below the band edges; 10 dBm/MHz at 25 MHz above or below the band edges decreasing linearly to -27 dBm/MHz at 75 MHz above or below the band edges; -27 dBm/MHz at frequencies more than 75 MHz above or below the band edges. | PK: 68.2 (dB μ V/m) |

Test Setup: Refer to section 4.5.1 for details.

Test Procedures:

1. The EUT was placed on the top of a rotating table 0.8 meters (for below 1 GHz) / 1.5 meters (for above 1 GHz) above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
3. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
5. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.
6. The test-receiver system was set to peak and average detected function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz. If the peak reading value also meets average limit, measurement with the average detector is unnecessary.

Remark:

- a) The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 kHz for Quasi-peak detection (QP) at frequency below 1 GHz.
- b) The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) at frequency above 1 GHz.
- c) The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for RMS Average (Duty cycle < 98 %) for Average detection (AV) at frequency above 1 GHz, then the measurement results was added to a correction factor ($10 \log(1/\text{duty cycle})$).
- d) The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 10 Hz (Duty cycle $\geq 98\%$) or $\geq 1/T$ (duty cycle is $< 98\%$) for Average detection (AV) at frequency above 1 GHz.
- e) All modes of operation were investigated and the worst-case emissions are reported.

Equipment Used: Refer to section 3 for details.

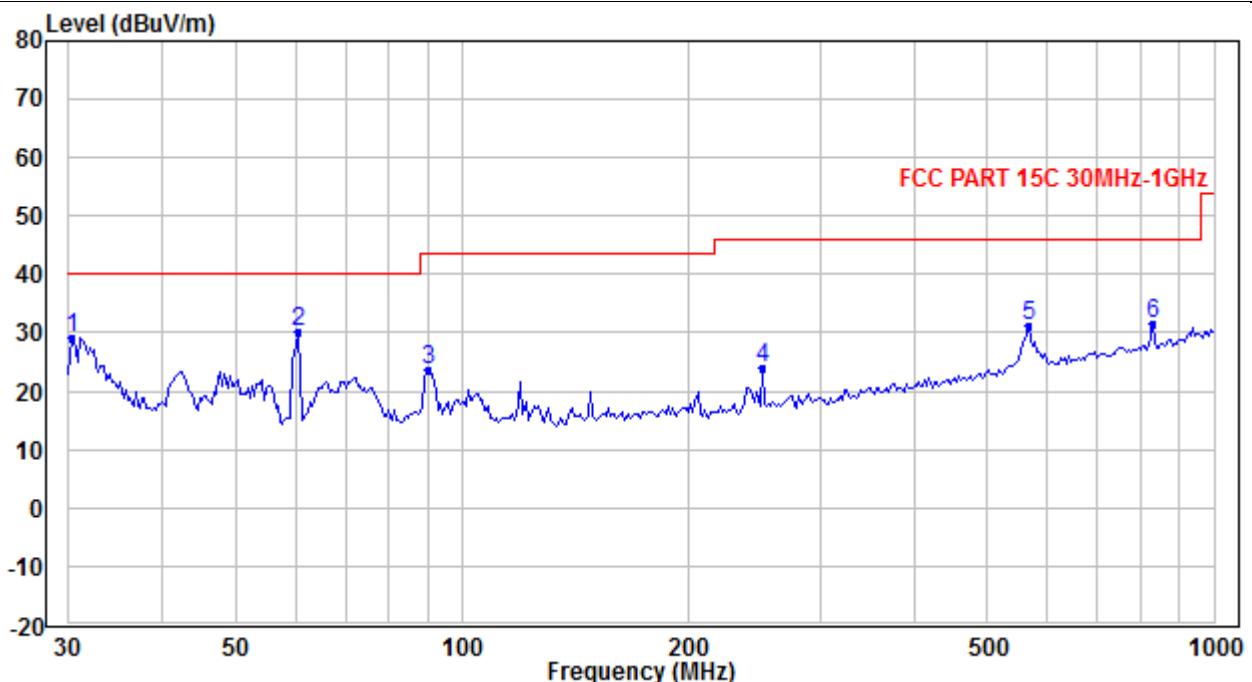
Test Result: Pass

The measurement data as follows:

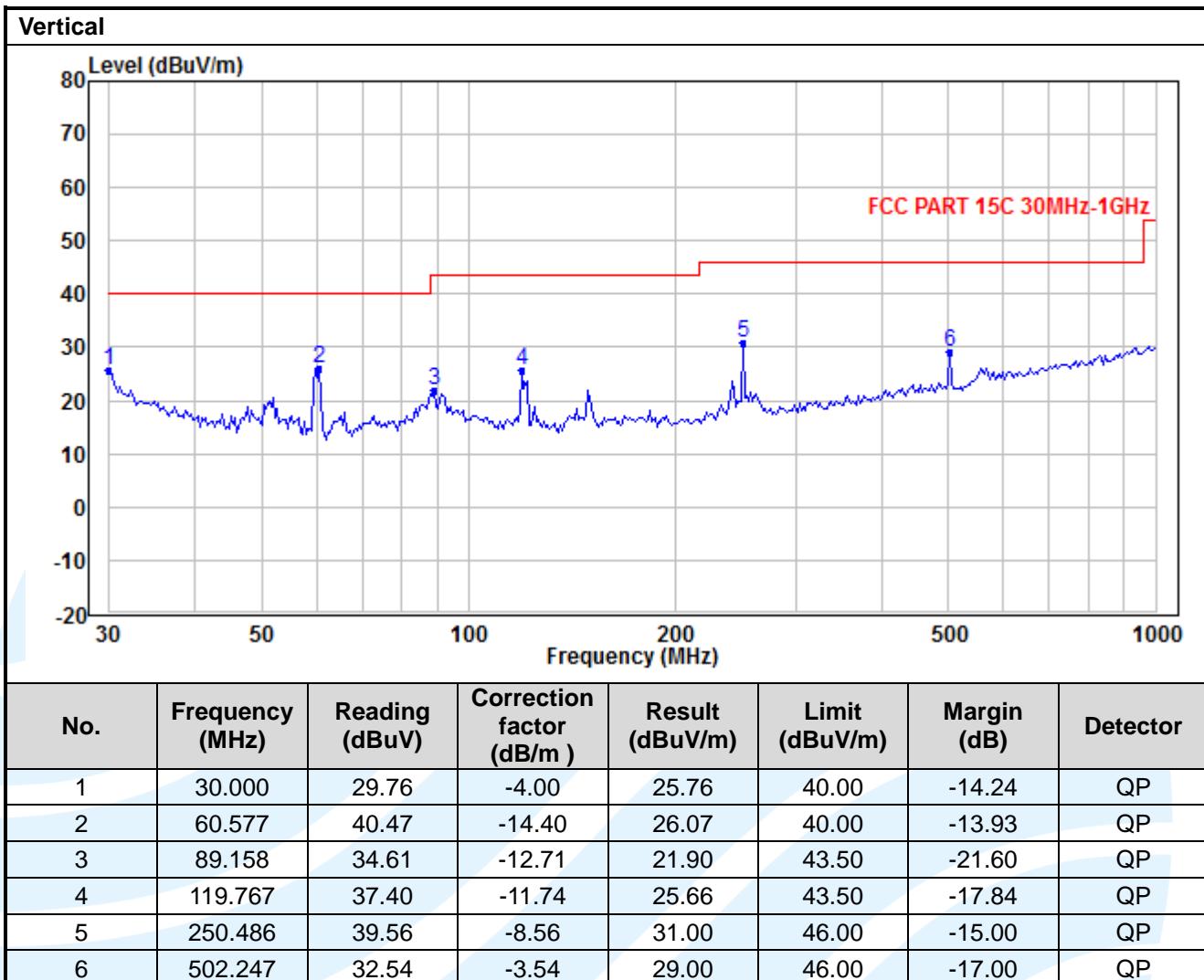
Shenzhen UnionTrust Quality and Technology Co., Ltd.

Radiated Emission Test Data (9 KHz ~ 30 MHz):

The amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required to be report.

Radiated Emission Test Data (30 MHz ~ 1 GHz Worst Case):
Worst-Case Configuration
Horizontal


| No. | Frequency (MHz) | Reading (dB _{uV}) | Correction factor (dB/m) | Result (dB _{uV/m}) | Limit (dB _{uV/m}) | Margin (dB) | Detector |
|-----|-----------------|-----------------------------|---------------------------|------------------------------|-----------------------------|-------------|----------|
| 1 | 30.212 | 33.26 | -4.15 | 29.11 | 40.00 | -10.89 | QP |
| 2 | 60.577 | 44.63 | -14.40 | 30.23 | 40.00 | -9.77 | QP |
| 3 | 90.420 | 36.23 | -12.58 | 23.65 | 43.50 | -19.85 | QP |
| 4 | 250.486 | 32.41 | -8.56 | 23.85 | 46.00 | -22.15 | QP |
| 5 | 565.978 | 33.76 | -2.62 | 31.14 | 46.00 | -14.86 | QP |
| 6 | 827.179 | 29.90 | 1.60 | 31.50 | 46.00 | -14.50 | QP |



Radiated Emission Test Data (Above 1GHz):
IEEE 802.11a_Channel 36

| No. | Frequency (MHz) | Reading (dBuV/m) | Correction factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Antenna Polaxis |
|-----|-----------------|------------------|------------------------|-----------------|----------------|-------------|----------|-----------------|
| 1 | 10360.00 | 41.76 | 11.11 | 52.87 | 74.00 | -21.13 | Peak | Horizontal |
| 2 | 10360.00 | 29.60 | 11.11 | 40.71 | 54.00 | -13.29 | Average | Horizontal |
| 3 | 15540.00 | 40.51 | 10.76 | 51.27 | 74.00 | -22.73 | Peak | Horizontal |
| 4 | 15540.00 | 28.66 | 10.76 | 39.42 | 54.00 | -14.58 | Average | Horizontal |
| 5 | 10360.00 | 41.11 | 9.39 | 50.50 | 74.00 | -23.50 | Peak | Vertical |
| 6 | 10360.00 | 28.74 | 9.39 | 38.13 | 54.00 | -15.87 | Average | Vertical |
| 7 | 15540.00 | 40.87 | 11.59 | 52.46 | 74.00 | -21.54 | Peak | Vertical |
| 8 | 15540.00 | 28.53 | 11.59 | 40.12 | 54.00 | -13.88 | Average | Vertical |

IEEE 802.11a_Channel 44

| No. | Frequency (MHz) | Reading (dBuV/m) | Correction factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Antenna Polaxis |
|-----|-----------------|------------------|------------------------|-----------------|----------------|-------------|----------|-----------------|
| 1 | 10440.00 | 40.17 | 11.31 | 51.48 | 74.00 | -22.52 | Peak | Horizontal |
| 2 | 10440.00 | 28.57 | 11.31 | 39.88 | 54.00 | -14.12 | Average | Horizontal |
| 3 | 15660.00 | 40.29 | 11.00 | 51.29 | 74.00 | -22.71 | Peak | Horizontal |
| 4 | 15660.00 | 27.96 | 11.00 | 38.96 | 54.00 | -15.04 | Average | Horizontal |
| 5 | 10440.00 | 40.81 | 9.43 | 50.24 | 74.00 | -23.76 | Peak | Vertical |
| 6 | 10440.00 | 29.09 | 9.43 | 38.52 | 54.00 | -15.48 | Average | Vertical |
| 7 | 15660.00 | 40.19 | 11.93 | 52.12 | 74.00 | -21.88 | Peak | Vertical |
| 8 | 15660.00 | 28.25 | 11.93 | 40.18 | 54.00 | -13.82 | Average | Vertical |

IEEE 802.11a_Channel 48

| No. | Frequency (MHz) | Reading (dBuV/m) | Correction factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Antenna Polaxis |
|-----|-----------------|------------------|------------------------|-----------------|----------------|-------------|----------|-----------------|
| 1 | 10480.00 | 39.04 | 11.41 | 50.45 | 74.00 | -23.55 | Peak | Horizontal |
| 2 | 10480.00 | 28.17 | 11.41 | 39.58 | 54.00 | -14.42 | Average | Horizontal |
| 3 | 15720.00 | 39.20 | 11.08 | 50.28 | 74.00 | -23.72 | Peak | Horizontal |
| 4 | 15720.00 | 27.47 | 11.08 | 38.55 | 54.00 | -15.45 | Average | Horizontal |
| 5 | 10480.00 | 38.27 | 9.45 | 47.72 | 74.00 | -26.28 | Peak | Vertical |
| 6 | 10480.00 | 27.10 | 9.45 | 36.55 | 54.00 | -17.45 | Average | Vertical |
| 7 | 15720.00 | 39.65 | 12.05 | 51.70 | 74.00 | -22.30 | Peak | Vertical |
| 8 | 15720.00 | 27.68 | 12.05 | 39.73 | 54.00 | -14.27 | Average | Vertical |

IEEE 802.11a_Channel 52

| No. | Frequency (MHz) | Reading (dBuV/m) | Correction factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Antenna Polaxis |
|-----|-----------------|------------------|------------------------|-----------------|----------------|-------------|----------|-----------------|
| 1 | 10520.00 | 40.17 | 11.42 | 51.59 | 74.00 | -22.41 | Peak | Horizontal |
| 2 | 10520.00 | 28.33 | 11.42 | 39.75 | 54.00 | -14.25 | Average | Horizontal |
| 3 | 15780.00 | 39.43 | 11.16 | 50.59 | 74.00 | -23.41 | Peak | Horizontal |
| 4 | 15780.00 | 27.14 | 11.16 | 38.30 | 54.00 | -15.70 | Average | Horizontal |
| 5 | 10520.00 | 38.54 | 9.43 | 47.97 | 74.00 | -26.03 | Peak | Vertical |
| 6 | 10520.00 | 27.44 | 9.43 | 36.87 | 54.00 | -17.13 | Average | Vertical |
| 7 | 15780.00 | 39.37 | 12.19 | 51.56 | 74.00 | -22.44 | Peak | Vertical |
| 8 | 15780.00 | 27.48 | 12.19 | 39.67 | 54.00 | -14.33 | Average | Vertical |

IEEE 802.11a_Channel 60

| No. | Frequency (MHz) | Reading (dBuV/m) | Correction factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Antenna Polaxis |
|-----|-----------------|------------------|------------------------|-----------------|----------------|-------------|----------|-----------------|
| 1 | 10600.00 | 40.35 | 11.33 | 51.68 | 74.00 | -22.32 | Peak | Horizontal |
| 2 | 10600.00 | 28.60 | 11.33 | 39.93 | 54.00 | -14.07 | Average | Horizontal |
| 3 | 15900.00 | 38.99 | 11.33 | 50.32 | 74.00 | -23.68 | Peak | Horizontal |
| 4 | 15900.00 | 27.21 | 11.33 | 38.54 | 54.00 | -15.46 | Average | Horizontal |
| 5 | 10600.00 | 39.41 | 9.37 | 48.78 | 74.00 | -25.22 | Peak | Vertical |
| 6 | 10600.00 | 27.64 | 9.37 | 37.01 | 54.00 | -16.99 | Average | Vertical |
| 7 | 15900.00 | 39.67 | 12.45 | 52.12 | 74.00 | -21.88 | Peak | Vertical |
| 8 | 15900.00 | 27.55 | 12.45 | 40.00 | 54.00 | -14.00 | Average | Vertical |

IEEE 802.11a_Channel 64

| No. | Frequency (MHz) | Reading (dBuV/m) | Correction factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Antenna Polaxis |
|-----|-----------------|------------------|------------------------|-----------------|----------------|-------------|----------|-----------------|
| 1 | 10640.00 | 40.39 | 11.29 | 51.68 | 74.00 | -22.32 | Peak | Horizontal |
| 2 | 10640.00 | 28.58 | 11.29 | 39.87 | 54.00 | -14.13 | Average | Horizontal |
| 3 | 15960.00 | 39.01 | 11.49 | 50.50 | 74.00 | -23.50 | Peak | Horizontal |
| 4 | 15960.00 | 27.05 | 11.49 | 38.54 | 54.00 | -15.46 | Average | Horizontal |
| 5 | 10640.00 | 39.82 | 9.34 | 49.16 | 74.00 | -24.84 | Peak | Vertical |
| 6 | 10640.00 | 27.73 | 9.34 | 37.07 | 54.00 | -16.93 | Average | Vertical |
| 7 | 15960.00 | 39.83 | 12.66 | 52.49 | 74.00 | -21.51 | Peak | Vertical |
| 8 | 15960.00 | 27.52 | 12.66 | 40.18 | 54.00 | -13.82 | Average | Vertical |

IEEE 802.11a_Channel 100

| No. | Frequency (MHz) | Reading (dBuV/m) | Correction factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Antenna Polaxis |
|-----|-----------------|------------------|------------------------|-----------------|----------------|-------------|----------|-----------------|
| 1 | 11000.00 | 40.06 | 10.30 | 50.36 | 74.00 | -23.64 | Peak | Horizontal |
| 2 | 11000.00 | 29.04 | 10.30 | 39.34 | 54.00 | -14.66 | Average | Horizontal |
| 3 | 16500.00 | 38.89 | 13.35 | 52.24 | 74.00 | -21.76 | Peak | Horizontal |
| 4 | 16500.00 | 27.17 | 13.35 | 40.52 | 54.00 | -13.48 | Average | Horizontal |
| 5 | 11000.00 | 40.38 | 8.50 | 48.88 | 74.00 | -25.12 | Peak | Vertical |
| 6 | 11000.00 | 29.04 | 8.50 | 37.54 | 54.00 | -16.46 | Average | Vertical |
| 7 | 16500.00 | 39.00 | 13.45 | 52.45 | 74.00 | -21.55 | Peak | Vertical |
| 8 | 16500.00 | 27.35 | 13.45 | 40.80 | 54.00 | -13.20 | Average | Vertical |

IEEE 802.11a_Channel 116

| No. | Frequency (MHz) | Reading (dBuV/m) | Correction factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Antenna Polaxis |
|-----|-----------------|------------------|------------------------|-----------------|----------------|-------------|----------|-----------------|
| 1 | 11160.00 | 40.22 | 9.97 | 50.19 | 74.00 | -23.81 | Peak | Horizontal |
| 2 | 11160.00 | 28.37 | 9.97 | 38.34 | 54.00 | -15.66 | Average | Horizontal |
| 3 | 16740.00 | 38.42 | 13.24 | 51.66 | 74.00 | -22.34 | Peak | Horizontal |
| 4 | 16740.00 | 27.32 | 13.24 | 40.56 | 54.00 | -13.44 | Average | Horizontal |
| 5 | 11160.00 | 39.62 | 8.27 | 47.89 | 74.00 | -26.11 | Peak | Vertical |
| 6 | 11160.00 | 28.46 | 8.27 | 36.73 | 54.00 | -17.27 | Average | Vertical |
| 7 | 16740.00 | 39.67 | 13.01 | 52.68 | 74.00 | -21.32 | Peak | Vertical |
| 8 | 16740.00 | 27.44 | 13.01 | 40.45 | 54.00 | -13.55 | Average | Vertical |

IEEE 802.11a_Channel 140

| No. | Frequency (MHz) | Reading (dBuV/m) | Correction factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Antenna Polaxis |
|-----|-----------------|------------------|------------------------|-----------------|----------------|-------------|----------|-----------------|
| 1 | 11400.00 | 41.05 | 9.86 | 50.91 | 74.00 | -23.09 | Peak | Horizontal |
| 2 | 11400.00 | 29.64 | 9.86 | 39.50 | 54.00 | -14.50 | Average | Horizontal |
| 3 | 17100.00 | 38.90 | 13.42 | 52.32 | 74.00 | -21.68 | Peak | Horizontal |
| 4 | 17100.00 | 27.00 | 13.42 | 40.42 | 54.00 | -13.58 | Average | Horizontal |
| 5 | 11400.00 | 41.26 | 8.30 | 49.56 | 74.00 | -24.44 | Peak | Vertical |
| 6 | 11400.00 | 29.64 | 8.30 | 37.94 | 54.00 | -16.06 | Average | Vertical |
| 7 | 17100.00 | 39.27 | 12.76 | 52.03 | 74.00 | -21.97 | Peak | Vertical |
| 8 | 17100.00 | 26.88 | 12.76 | 39.64 | 54.00 | -14.36 | Average | Vertical |

IEEE 802.11a_Channel 149

| No. | Frequency (MHz) | Reading (dBuV/m) | Correction factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Antenna Polaxis |
|-----|-----------------|------------------|------------------------|-----------------|----------------|-------------|----------|-----------------|
| 1 | 11490.00 | 41.34 | 9.78 | 51.12 | 74.00 | -22.88 | Peak | Horizontal |
| 2 | 11490.00 | 29.36 | 9.78 | 39.14 | 54.00 | -14.86 | Average | Horizontal |
| 3 | 17235.00 | 41.55 | 13.98 | 55.53 | 74.00 | -18.47 | Peak | Horizontal |
| 4 | 17235.00 | 25.94 | 13.98 | 39.92 | 54.00 | -14.08 | Average | Horizontal |
| 5 | 11490.00 | 40.85 | 8.27 | 49.12 | 74.00 | -24.88 | Peak | Vertical |
| 6 | 11490.00 | 29.46 | 8.27 | 37.73 | 54.00 | -16.27 | Average | Vertical |
| 7 | 17235.00 | 40.34 | 13.24 | 53.58 | 74.00 | -20.42 | Peak | Vertical |
| 8 | 17235.00 | 26.20 | 13.24 | 39.44 | 54.00 | -14.56 | Average | Vertical |

IEEE 802.11a_Channel 157

| No. | Frequency (MHz) | Reading (dBuV/m) | Correction factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Antenna Polaxis |
|-----|-----------------|------------------|------------------------|-----------------|----------------|-------------|----------|-----------------|
| 1 | 11570.00 | 40.23 | 9.86 | 50.09 | 74.00 | -23.91 | Peak | Horizontal |
| 2 | 11570.00 | 28.75 | 9.86 | 38.61 | 54.00 | -15.39 | Average | Horizontal |
| 3 | 17355.00 | 39.19 | 14.49 | 53.68 | 74.00 | -20.32 | Peak | Horizontal |
| 4 | 17355.00 | 28.31 | 14.49 | 42.80 | 54.00 | -11.20 | Average | Horizontal |
| 5 | 11570.00 | 39.34 | 8.47 | 47.81 | 74.00 | -26.19 | Peak | Vertical |
| 6 | 11570.00 | 28.94 | 8.47 | 37.41 | 54.00 | -16.59 | Average | Vertical |
| 7 | 17355.00 | 40.89 | 13.68 | 54.57 | 74.00 | -19.43 | Peak | Vertical |
| 8 | 17355.00 | 28.51 | 13.68 | 42.19 | 54.00 | -11.81 | Average | Vertical |

IEEE 802.11a_Channel 165

| No. | Frequency (MHz) | Reading (dBuV/m) | Correction factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Antenna Polaxis |
|-----|-----------------|------------------|------------------------|-----------------|----------------|-------------|----------|-----------------|
| 1 | 11650.00 | 40.21 | 9.95 | 50.16 | 74.00 | -23.84 | Peak | Horizontal |
| 2 | 11650.00 | 28.74 | 9.95 | 38.69 | 54.00 | -15.31 | Average | Horizontal |
| 3 | 17475.00 | 39.77 | 14.89 | 54.66 | 74.00 | -19.34 | Peak | Horizontal |
| 4 | 17475.00 | 28.43 | 14.89 | 43.32 | 54.00 | -10.68 | Average | Horizontal |
| 5 | 11650.00 | 41.08 | 8.69 | 49.77 | 74.00 | -24.23 | Peak | Vertical |
| 6 | 11650.00 | 29.02 | 8.69 | 37.71 | 54.00 | -16.29 | Average | Vertical |
| 7 | 17475.00 | 40.17 | 14.00 | 54.17 | 74.00 | -19.83 | Peak | Vertical |
| 8 | 17475.00 | 28.70 | 14.00 | 42.70 | 54.00 | -11.30 | Average | Vertical |

IEEE 802.11n-HT20_Channel 36

| No. | Frequency (MHz) | Reading (dBuV/m) | Correction factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Antenna Polaxis |
|-----|-----------------|------------------|------------------------|-----------------|----------------|-------------|----------|-----------------|
| 1 | 10360.00 | 41.21 | 11.11 | 52.32 | 74.00 | -21.68 | Peak | Horizontal |
| 2 | 10360.00 | 29.65 | 11.11 | 40.76 | 54.00 | -13.24 | Average | Horizontal |
| 3 | 15540.00 | 39.72 | 10.76 | 50.48 | 74.00 | -23.52 | Peak | Horizontal |
| 4 | 15540.00 | 28.16 | 10.76 | 38.92 | 54.00 | -15.08 | Average | Horizontal |
| 5 | 10360.00 | 38.00 | 9.39 | 47.39 | 74.00 | -26.61 | Peak | Vertical |
| 6 | 10360.00 | 24.53 | 9.39 | 33.92 | 54.00 | -20.08 | Average | Vertical |
| 7 | 15540.00 | 39.44 | 11.59 | 51.03 | 74.00 | -22.97 | Peak | Vertical |
| 8 | 15540.00 | 28.74 | 11.59 | 40.33 | 54.00 | -13.67 | Average | Vertical |

IEEE 802.11n-HT20_Channel 44

| No. | Frequency (MHz) | Reading (dBuV/m) | Correction factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Antenna Polaxis |
|-----|-----------------|------------------|------------------------|-----------------|----------------|-------------|----------|-----------------|
| 1 | 10440.00 | 41.87 | 11.31 | 53.18 | 74.00 | -20.82 | Peak | Horizontal |
| 2 | 10440.00 | 29.83 | 11.31 | 41.14 | 54.00 | -12.86 | Average | Horizontal |
| 3 | 15660.00 | 39.60 | 11.00 | 50.60 | 74.00 | -23.40 | Peak | Horizontal |
| 4 | 15660.00 | 28.07 | 11.00 | 39.07 | 54.00 | -14.93 | Average | Horizontal |
| 5 | 10440.00 | 37.32 | 9.43 | 46.75 | 74.00 | -27.25 | Peak | Vertical |
| 6 | 10440.00 | 25.65 | 9.43 | 35.08 | 54.00 | -18.92 | Average | Vertical |
| 7 | 15660.00 | 40.67 | 11.93 | 52.60 | 74.00 | -21.40 | Peak | Vertical |
| 8 | 15660.00 | 28.68 | 11.93 | 40.61 | 54.00 | -13.39 | Average | Vertical |

IEEE 802.11n-HT20_Channel 48

| No. | Frequency (MHz) | Reading (dBuV/m) | Correction factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Antenna Polaxis |
|-----|-----------------|------------------|------------------------|-----------------|----------------|-------------|----------|-----------------|
| 1 | 10480.00 | 40.46 | 11.41 | 51.87 | 74.00 | -22.13 | Peak | Horizontal |
| 2 | 10480.00 | 29.28 | 11.41 | 40.69 | 54.00 | -13.31 | Average | Horizontal |
| 3 | 15720.00 | 39.43 | 11.08 | 50.51 | 74.00 | -23.49 | Peak | Horizontal |
| 4 | 15720.00 | 27.77 | 11.08 | 38.85 | 54.00 | -15.15 | Average | Horizontal |
| 5 | 10480.00 | 38.74 | 9.45 | 48.19 | 74.00 | -25.81 | Peak | Vertical |
| 6 | 10480.00 | 26.85 | 9.45 | 36.30 | 54.00 | -17.70 | Average | Vertical |
| 7 | 15720.00 | 40.53 | 12.05 | 52.58 | 74.00 | -21.42 | Peak | Vertical |
| 8 | 15720.00 | 28.32 | 12.05 | 40.37 | 54.00 | -13.63 | Average | Vertical |

IEEE 802.11n-HT20_Channel 52

| No. | Frequency (MHz) | Reading (dBuV/m) | Correction factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Antenna Polaxis |
|-----|-----------------|------------------|------------------------|-----------------|----------------|-------------|----------|-----------------|
| 1 | 10520.00 | 40.05 | 11.42 | 51.47 | 74.00 | -22.53 | Peak | Horizontal |
| 2 | 10520.00 | 29.27 | 11.42 | 40.69 | 54.00 | -13.31 | Average | Horizontal |
| 3 | 15780.00 | 39.21 | 11.16 | 50.37 | 74.00 | -23.63 | Peak | Horizontal |
| 4 | 15780.00 | 27.69 | 11.16 | 38.85 | 54.00 | -15.15 | Average | Horizontal |
| 5 | 10520.00 | 38.77 | 9.43 | 48.20 | 74.00 | -25.80 | Peak | Vertical |
| 6 | 10520.00 | 27.00 | 9.43 | 36.43 | 54.00 | -17.57 | Average | Vertical |
| 7 | 15780.00 | 41.56 | 12.19 | 53.75 | 74.00 | -20.25 | Peak | Vertical |
| 8 | 15780.00 | 28.13 | 12.19 | 40.32 | 54.00 | -13.68 | Average | Vertical |

IEEE 802.11n-HT20_Channel 60

| No. | Frequency (MHz) | Reading (dBuV/m) | Correction factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Antenna Polaxis |
|-----|-----------------|------------------|------------------------|-----------------|----------------|-------------|----------|-----------------|
| 1 | 10600.00 | 40.73 | 11.33 | 52.06 | 74.00 | -21.94 | Peak | Horizontal |
| 2 | 10600.00 | 29.37 | 11.33 | 40.70 | 54.00 | -13.30 | Average | Horizontal |
| 3 | 15900.00 | 40.59 | 11.33 | 51.92 | 74.00 | -22.08 | Peak | Horizontal |
| 4 | 15900.00 | 27.70 | 11.33 | 39.03 | 54.00 | -14.97 | Average | Horizontal |
| 5 | 10600.00 | 40.26 | 9.37 | 49.63 | 74.00 | -24.37 | Peak | Vertical |
| 6 | 10600.00 | 28.71 | 9.37 | 38.08 | 54.00 | -15.92 | Average | Vertical |
| 7 | 15900.00 | 39.44 | 12.45 | 51.89 | 74.00 | -22.11 | Peak | Vertical |
| 8 | 15900.00 | 27.97 | 12.45 | 40.42 | 54.00 | -13.58 | Average | Vertical |

IEEE 802.11n-HT20_Channel 64

| No. | Frequency (MHz) | Reading (dBuV/m) | Correction factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Antenna Polaxis |
|-----|-----------------|------------------|------------------------|-----------------|----------------|-------------|----------|-----------------|
| 1 | 10640.00 | 40.81 | 11.29 | 52.10 | 74.00 | -21.90 | Peak | Horizontal |
| 2 | 10640.00 | 29.45 | 11.29 | 40.74 | 54.00 | -13.26 | Average | Horizontal |
| 3 | 15960.00 | 37.69 | 11.49 | 49.18 | 74.00 | -24.82 | Peak | Horizontal |
| 4 | 15960.00 | 27.36 | 11.49 | 38.85 | 54.00 | -15.15 | Average | Horizontal |
| 5 | 10640.00 | 40.45 | 9.34 | 49.79 | 74.00 | -24.21 | Peak | Vertical |
| 6 | 10640.00 | 28.85 | 9.34 | 38.19 | 54.00 | -15.81 | Average | Vertical |
| 7 | 15960.00 | 38.71 | 12.66 | 51.37 | 74.00 | -22.63 | Peak | Vertical |
| 8 | 15960.00 | 27.70 | 12.66 | 40.36 | 54.00 | -13.64 | Average | Vertical |

IEEE 802.11n-HT20_Channel 100

| No. | Frequency (MHz) | Reading (dBuV/m) | Correction factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Antenna Polaxis |
|-----|-----------------|------------------|------------------------|-----------------|----------------|-------------|----------|-----------------|
| 1 | 11000.00 | 40.78 | 10.30 | 51.08 | 74.00 | -22.92 | Peak | Horizontal |
| 2 | 11000.00 | 29.49 | 10.30 | 39.79 | 54.00 | -14.21 | Average | Horizontal |
| 3 | 16500.00 | 38.87 | 13.35 | 52.22 | 74.00 | -21.78 | Peak | Horizontal |
| 4 | 16500.00 | 27.29 | 13.35 | 40.64 | 54.00 | -13.36 | Average | Horizontal |
| 5 | 11000.00 | 40.43 | 8.50 | 48.93 | 74.00 | -25.07 | Peak | Vertical |
| 6 | 11000.00 | 29.19 | 8.50 | 37.69 | 54.00 | -16.31 | Average | Vertical |
| 7 | 16500.00 | 38.32 | 13.45 | 51.77 | 74.00 | -22.23 | Peak | Vertical |
| 8 | 16500.00 | 27.78 | 13.45 | 41.23 | 54.00 | -12.77 | Average | Vertical |

IEEE 802.11n-HT20_Channel 116

| No. | Frequency (MHz) | Reading (dBuV/m) | Correction factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Antenna Polaxis |
|-----|-----------------|------------------|------------------------|-----------------|----------------|-------------|----------|-----------------|
| 1 | 11160.00 | 39.66 | 9.97 | 49.63 | 74.00 | -24.37 | Peak | Horizontal |
| 2 | 11160.00 | 28.75 | 9.97 | 38.72 | 54.00 | -15.28 | Average | Horizontal |
| 3 | 16740.00 | 38.05 | 13.24 | 51.29 | 74.00 | -22.71 | Peak | Horizontal |
| 4 | 16740.00 | 27.13 | 13.24 | 40.37 | 54.00 | -13.63 | Average | Horizontal |
| 5 | 11160.00 | 41.18 | 8.27 | 49.45 | 74.00 | -24.55 | Peak | Vertical |
| 6 | 11160.00 | 28.99 | 8.27 | 37.26 | 54.00 | -16.74 | Average | Vertical |
| 7 | 16740.00 | 38.25 | 13.01 | 51.26 | 74.00 | -22.74 | Peak | Vertical |
| 8 | 16740.00 | 27.50 | 13.01 | 40.51 | 54.00 | -13.49 | Average | Vertical |

IEEE 802.11n-HT20_Channel 140

| No. | Frequency (MHz) | Reading (dBuV/m) | Correction factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Antenna Polaxis |
|-----|-----------------|------------------|------------------------|-----------------|----------------|-------------|----------|-----------------|
| 1 | 11400.00 | 41.26 | 9.86 | 51.12 | 74.00 | -22.88 | Peak | Horizontal |
| 2 | 11400.00 | 29.93 | 9.86 | 39.79 | 54.00 | -14.21 | Average | Horizontal |
| 3 | 17100.00 | 38.18 | 13.42 | 51.60 | 74.00 | -22.40 | Peak | Horizontal |
| 4 | 17100.00 | 27.00 | 13.42 | 40.42 | 54.00 | -13.58 | Average | Horizontal |
| 5 | 11400.00 | 41.33 | 8.30 | 49.63 | 74.00 | -24.37 | Peak | Vertical |
| 6 | 11400.00 | 29.78 | 8.30 | 38.08 | 54.00 | -15.92 | Average | Vertical |
| 7 | 17100.00 | 38.87 | 12.76 | 51.63 | 74.00 | -22.37 | Peak | Vertical |
| 8 | 17100.00 | 27.20 | 12.76 | 39.96 | 54.00 | -14.04 | Average | Vertical |

IEEE 802.11n-HT20_Channel 149

| No. | Frequency (MHz) | Reading (dBuV/m) | Correction factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Antenna Polaxis |
|-----|-----------------|------------------|------------------------|-----------------|----------------|-------------|----------|-----------------|
| 1 | 11490.00 | 40.75 | 9.78 | 50.53 | 74.00 | -23.47 | Peak | Horizontal |
| 2 | 11490.00 | 29.79 | 9.78 | 39.57 | 54.00 | -14.43 | Average | Horizontal |
| 3 | 17235.00 | 37.69 | 13.98 | 51.67 | 74.00 | -22.33 | Peak | Horizontal |
| 4 | 17235.00 | 26.01 | 13.98 | 39.99 | 54.00 | -14.01 | Average | Horizontal |
| 5 | 11490.00 | 41.60 | 8.27 | 49.87 | 74.00 | -24.13 | Peak | Vertical |
| 6 | 11490.00 | 29.89 | 8.27 | 38.16 | 54.00 | -15.84 | Average | Vertical |
| 7 | 17235.00 | 38.32 | 13.24 | 51.56 | 74.00 | -22.44 | Peak | Vertical |
| 8 | 17235.00 | 26.35 | 13.24 | 39.59 | 54.00 | -14.41 | Average | Vertical |

IEEE 802.11n-HT20_Channel 157

| No. | Frequency (MHz) | Reading (dBuV/m) | Correction factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Antenna Polaxis |
|-----|-----------------|------------------|------------------------|-----------------|----------------|-------------|----------|-----------------|
| 1 | 11570.00 | 39.90 | 9.86 | 49.76 | 74.00 | -24.24 | Peak | Horizontal |
| 2 | 11570.00 | 28.80 | 9.86 | 38.66 | 54.00 | -15.34 | Average | Horizontal |
| 3 | 17355.00 | 40.98 | 14.49 | 55.47 | 74.00 | -18.53 | Peak | Horizontal |
| 4 | 17355.00 | 28.48 | 14.49 | 42.97 | 54.00 | -11.03 | Average | Horizontal |
| 5 | 11570.00 | 40.11 | 8.47 | 48.58 | 74.00 | -25.42 | Peak | Vertical |
| 6 | 11570.00 | 28.94 | 8.47 | 37.41 | 54.00 | -16.59 | Average | Vertical |
| 7 | 17355.00 | 40.81 | 13.68 | 54.49 | 74.00 | -19.51 | Peak | Vertical |
| 8 | 17355.00 | 28.57 | 13.68 | 42.25 | 54.00 | -11.75 | Average | Vertical |

IEEE 802.11n-HT20_Channel 165

| No. | Frequency (MHz) | Reading (dBuV/m) | Correction factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Antenna Polaxis |
|-----|-----------------|------------------|------------------------|-----------------|----------------|-------------|----------|-----------------|
| 1 | 11650.00 | 40.22 | 9.95 | 50.17 | 74.00 | -23.83 | Peak | Horizontal |
| 2 | 11650.00 | 28.95 | 9.95 | 38.90 | 54.00 | -15.10 | Average | Horizontal |
| 3 | 17475.00 | 39.46 | 14.89 | 54.35 | 74.00 | -19.65 | Peak | Horizontal |
| 4 | 17475.00 | 28.43 | 14.89 | 43.32 | 54.00 | -10.68 | Average | Horizontal |
| 5 | 11650.00 | 41.42 | 8.69 | 50.11 | 74.00 | -23.89 | Peak | Vertical |
| 6 | 11650.00 | 29.07 | 8.69 | 37.76 | 54.00 | -16.24 | Average | Vertical |
| 7 | 17475.00 | 39.55 | 14.00 | 53.55 | 74.00 | -20.45 | Peak | Vertical |
| 8 | 17475.00 | 28.76 | 14.00 | 42.76 | 54.00 | -11.24 | Average | Vertical |

IEEE 802.11n-HT40_Channel 38

| No. | Frequency (MHz) | Reading (dBuV/m) | Correction factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Antenna Polaxis |
|-----|-----------------|------------------|------------------------|-----------------|----------------|-------------|----------|-----------------|
| 1 | 10380.00 | 37.87 | 11.17 | 49.04 | 74.00 | -24.96 | Peak | Horizontal |
| 2 | 10380.00 | 26.02 | 11.17 | 37.19 | 54.00 | -16.81 | Average | Horizontal |
| 3 | 15570.00 | 40.49 | 10.84 | 51.33 | 74.00 | -22.67 | Peak | Horizontal |
| 4 | 15570.00 | 28.25 | 10.84 | 39.09 | 54.00 | -14.91 | Average | Horizontal |
| 5 | 10380.00 | 39.19 | 9.41 | 48.60 | 74.00 | -25.40 | Peak | Vertical |
| 6 | 10380.00 | 27.16 | 9.41 | 36.57 | 54.00 | -17.43 | Average | Vertical |
| 7 | 15570.00 | 40.75 | 11.69 | 52.44 | 74.00 | -21.56 | Peak | Vertical |
| 8 | 15570.00 | 28.26 | 11.69 | 39.95 | 54.00 | -14.05 | Average | Vertical |

IEEE 802.11n-HT40_Channel 46

| No. | Frequency (MHz) | Reading (dBuV/m) | Correction factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Antenna Polaxis |
|-----|-----------------|------------------|------------------------|-----------------|----------------|-------------|----------|-----------------|
| 1 | 10460.00 | 38.60 | 11.35 | 49.95 | 74.00 | -24.05 | Peak | Horizontal |
| 2 | 10460.00 | 27.20 | 11.35 | 38.55 | 54.00 | -15.45 | Average | Horizontal |
| 3 | 15690.00 | 39.81 | 11.03 | 50.84 | 74.00 | -23.16 | Peak | Horizontal |
| 4 | 15690.00 | 27.87 | 11.03 | 38.90 | 54.00 | -15.10 | Average | Horizontal |
| 5 | 10460.00 | 38.18 | 9.43 | 47.61 | 74.00 | -26.39 | Peak | Vertical |
| 6 | 10460.00 | 26.02 | 9.43 | 35.45 | 54.00 | -18.55 | Average | Vertical |
| 7 | 15690.00 | 40.18 | 11.98 | 52.16 | 74.00 | -21.84 | Peak | Vertical |
| 8 | 15690.00 | 28.25 | 11.98 | 40.23 | 54.00 | -13.77 | Average | Vertical |

IEEE 802.11n-HT40_Channel 54

| No. | Frequency (MHz) | Reading (dBuV/m) | Correction factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Antenna Polaxis |
|-----|-----------------|------------------|------------------------|-----------------|----------------|-------------|----------|-----------------|
| 1 | 10540.00 | 37.46 | 11.41 | 48.87 | 74.00 | -25.13 | Peak | Horizontal |
| 2 | 10540.00 | 26.06 | 11.41 | 37.47 | 54.00 | -16.53 | Average | Horizontal |
| 3 | 15810.00 | 38.56 | 11.21 | 49.77 | 74.00 | -24.23 | Peak | Horizontal |
| 4 | 15810.00 | 27.21 | 11.21 | 38.42 | 54.00 | -15.58 | Average | Horizontal |
| 5 | 10540.00 | 37.65 | 9.42 | 47.07 | 74.00 | -26.93 | Peak | Vertical |
| 6 | 10540.00 | 26.00 | 9.42 | 35.42 | 54.00 | -18.58 | Average | Vertical |
| 7 | 15810.00 | 39.41 | 12.26 | 51.67 | 74.00 | -22.33 | Peak | Vertical |
| 8 | 15810.00 | 27.30 | 12.26 | 39.56 | 54.00 | -14.44 | Average | Vertical |

IEEE 802.11n-HT40_Channel 62

| No. | Frequency (MHz) | Reading (dBuV/m) | Correction factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Antenna Polaxis |
|-----|-----------------|------------------|------------------------|-----------------|----------------|-------------|----------|-----------------|
| 1 | 10620.00 | 39.04 | 11.30 | 50.34 | 74.00 | -23.66 | Peak | Horizontal |
| 2 | 10620.00 | 26.85 | 11.30 | 38.15 | 54.00 | -15.85 | Average | Horizontal |
| 3 | 15930.00 | 40.61 | 11.41 | 52.02 | 74.00 | -21.98 | Peak | Horizontal |
| 4 | 15930.00 | 27.38 | 11.41 | 38.79 | 54.00 | -15.21 | Average | Horizontal |
| 5 | 10620.00 | 39.27 | 9.35 | 48.62 | 74.00 | -25.38 | Peak | Vertical |
| 6 | 10620.00 | 26.23 | 9.35 | 35.58 | 54.00 | -18.42 | Average | Vertical |
| 7 | 15930.00 | 40.19 | 12.56 | 52.75 | 74.00 | -21.25 | Peak | Vertical |
| 8 | 15930.00 | 27.74 | 12.56 | 40.30 | 54.00 | -13.70 | Average | Vertical |

IEEE 802.11n-HT40_Channel 102

| No. | Frequency (MHz) | Reading (dBuV/m) | Correction factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Antenna Polaxis |
|-----|-----------------|------------------|------------------------|-----------------|----------------|-------------|----------|-----------------|
| 1 | 11020.00 | 39.87 | 10.24 | 50.11 | 74.00 | -23.89 | Peak | Horizontal |
| 2 | 11020.00 | 27.61 | 10.24 | 37.85 | 54.00 | -16.15 | Average | Horizontal |
| 3 | 16530.00 | 38.80 | 13.34 | 52.14 | 74.00 | -21.86 | Peak | Horizontal |
| 4 | 16530.00 | 27.05 | 13.34 | 40.39 | 54.00 | -13.61 | Average | Horizontal |
| 5 | 11020.00 | 37.15 | 8.45 | 45.60 | 74.00 | -28.40 | Peak | Vertical |
| 6 | 11020.00 | 28.29 | 8.45 | 36.74 | 54.00 | -17.26 | Average | Vertical |
| 7 | 16530.00 | 38.32 | 13.40 | 51.72 | 74.00 | -22.28 | Peak | Vertical |
| 8 | 16530.00 | 27.28 | 13.40 | 40.68 | 54.00 | -13.32 | Average | Vertical |

IEEE 802.11n-HT40_Channel 110

| No. | Frequency (MHz) | Reading (dBuV/m) | Correction factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Antenna Polaxis |
|-----|-----------------|------------------|------------------------|-----------------|----------------|-------------|----------|-----------------|
| 1 | 11100.00 | 37.79 | 10.00 | 47.79 | 74.00 | -26.21 | Peak | Horizontal |
| 2 | 11100.00 | 26.50 | 10.00 | 36.50 | 54.00 | -17.50 | Average | Horizontal |
| 3 | 16650.00 | 38.90 | 13.29 | 52.19 | 74.00 | -21.81 | Peak | Horizontal |
| 4 | 16650.00 | 27.02 | 13.29 | 40.31 | 54.00 | -13.69 | Average | Horizontal |
| 5 | 11100.00 | 40.44 | 8.26 | 48.70 | 74.00 | -25.30 | Peak | Vertical |
| 6 | 11100.00 | 25.57 | 8.26 | 33.83 | 54.00 | -20.17 | Average | Vertical |
| 7 | 16650.00 | 39.80 | 13.18 | 52.98 | 74.00 | -21.02 | Peak | Vertical |
| 8 | 16650.00 | 27.27 | 13.18 | 40.45 | 54.00 | -13.55 | Average | Vertical |

IEEE 802.11n-HT40_Channel 134

| No. | Frequency (MHz) | Reading (dBuV/m) | Correction factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Antenna Polaxis |
|-----|-----------------|------------------|------------------------|-----------------|----------------|-------------|----------|-----------------|
| 1 | 11340.00 | 37.07 | 9.89 | 46.96 | 74.00 | -27.04 | Peak | Horizontal |
| 2 | 11340.00 | 26.53 | 9.89 | 36.42 | 54.00 | -17.58 | Average | Horizontal |
| 3 | 17010.00 | 39.78 | 13.18 | 52.96 | 74.00 | -21.04 | Peak | Horizontal |
| 4 | 17010.00 | 27.46 | 13.18 | 40.64 | 54.00 | -13.36 | Average | Horizontal |
| 5 | 11340.00 | 38.69 | 8.29 | 46.98 | 74.00 | -27.02 | Peak | Vertical |
| 6 | 11340.00 | 26.78 | 8.29 | 35.07 | 54.00 | -18.93 | Average | Vertical |
| 7 | 17010.00 | 40.12 | 12.57 | 52.69 | 74.00 | -21.31 | Peak | Vertical |
| 8 | 17010.00 | 27.85 | 12.57 | 40.42 | 54.00 | -13.58 | Average | Vertical |

IEEE 802.11n-HT40_Channel 151

| No. | Frequency (MHz) | Reading (dBuV/m) | Correction factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Antenna Polaxis |
|-----|-----------------|------------------|------------------------|-----------------|----------------|-------------|----------|-----------------|
| 1 | 11510.00 | 36.86 | 9.79 | 46.65 | 74.00 | -27.35 | Peak | Horizontal |
| 2 | 11510.00 | 26.38 | 9.79 | 36.17 | 54.00 | -17.83 | Average | Horizontal |
| 3 | 17265.00 | 37.81 | 14.11 | 51.92 | 74.00 | -22.08 | Peak | Horizontal |
| 4 | 17265.00 | 26.03 | 14.11 | 40.14 | 54.00 | -13.86 | Average | Horizontal |
| 5 | 11510.00 | 38.11 | 8.30 | 46.41 | 74.00 | -27.59 | Peak | Vertical |
| 6 | 11510.00 | 26.68 | 8.30 | 34.98 | 54.00 | -19.02 | Average | Vertical |
| 7 | 17265.00 | 38.38 | 13.35 | 51.73 | 74.00 | -22.27 | Peak | Vertical |
| 8 | 17265.00 | 26.85 | 13.35 | 40.20 | 54.00 | -13.80 | Average | Vertical |

IEEE 802.11n-HT40_Channel 159

| No. | Frequency (MHz) | Reading (dBuV/m) | Correction factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Antenna Polaxis |
|-----|-----------------|------------------|------------------------|-----------------|----------------|-------------|----------|-----------------|
| 1 | 11590.00 | 37.96 | 9.87 | 47.83 | 74.00 | -26.17 | Peak | Horizontal |
| 2 | 11590.00 | 25.88 | 9.87 | 35.75 | 54.00 | -18.25 | Average | Horizontal |
| 3 | 17385.00 | 41.12 | 14.62 | 55.74 | 74.00 | -18.26 | Peak | Horizontal |
| 4 | 17385.00 | 28.01 | 14.62 | 42.63 | 54.00 | -11.37 | Average | Horizontal |
| 5 | 11590.00 | 38.50 | 8.52 | 47.02 | 74.00 | -26.98 | Peak | Vertical |
| 6 | 11590.00 | 26.80 | 8.52 | 35.32 | 54.00 | -18.68 | Average | Vertical |
| 7 | 17385.00 | 40.01 | 13.79 | 53.80 | 74.00 | -20.20 | Peak | Vertical |
| 8 | 17385.00 | 28.24 | 13.79 | 42.03 | 54.00 | -11.97 | Average | Vertical |

IEEE 802.11ac-VHT80_Channel 42

| No. | Frequency (MHz) | Reading (dBuV/m) | Correction factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Antenna Polaxis |
|-----|-----------------|------------------|------------------------|-----------------|----------------|-------------|----------|-----------------|
| 1 | 10460.00 | 40.03 | 11.31 | 51.34 | 74.00 | -22.66 | Peak | Horizontal |
| 2 | 10460.00 | 27.74 | 11.31 | 39.09 | 54.00 | -14.91 | Average | Horizontal |
| 3 | 15690.00 | 39.10 | 11.03 | 50.13 | 74.00 | -23.87 | Peak | Horizontal |
| 4 | 15690.00 | 27.87 | 11.03 | 38.90 | 54.00 | -15.10 | Average | Horizontal |
| 5 | 10460.00 | 39.30 | 9.43 | 48.73 | 74.00 | -25.27 | Peak | Vertical |
| 6 | 10460.00 | 27.48 | 9.43 | 36.91 | 54.00 | -17.09 | Average | Vertical |
| 7 | 15690.00 | 40.04 | 11.98 | 52.02 | 74.00 | -21.98 | Peak | Vertical |
| 8 | 15690.00 | 28.25 | 11.98 | 40.23 | 54.00 | -13.77 | Average | Vertical |

IEEE 802.11ac-VHT80_Channel 58

| No. | Frequency (MHz) | Reading (dBuV/m) | Correction factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Antenna Polaxis |
|-----|-----------------|------------------|------------------------|-----------------|----------------|-------------|----------|-----------------|
| 1 | 10580.00 | 38.74 | 11.36 | 50.10 | 74.00 | -23.90 | Peak | Horizontal |
| 2 | 10580.00 | 27.12 | 11.36 | 38.48 | 54.00 | -15.52 | Average | Horizontal |
| 3 | 15870.00 | 39.88 | 11.29 | 51.17 | 74.00 | -22.83 | Peak | Horizontal |
| 4 | 15870.00 | 27.26 | 11.29 | 38.55 | 54.00 | -15.45 | Average | Horizontal |
| 5 | 10580.00 | 39.16 | 9.39 | 48.55 | 74.00 | -25.45 | Peak | Vertical |
| 6 | 10580.00 | 27.12 | 9.39 | 36.51 | 54.00 | -17.49 | Average | Vertical |
| 7 | 15870.00 | 39.79 | 12.38 | 52.17 | 74.00 | -21.83 | Peak | Vertical |
| 8 | 15870.00 | 27.43 | 12.38 | 39.81 | 54.00 | -14.19 | Average | Vertical |

IEEE 802.11ac-VHT80_Channel 106

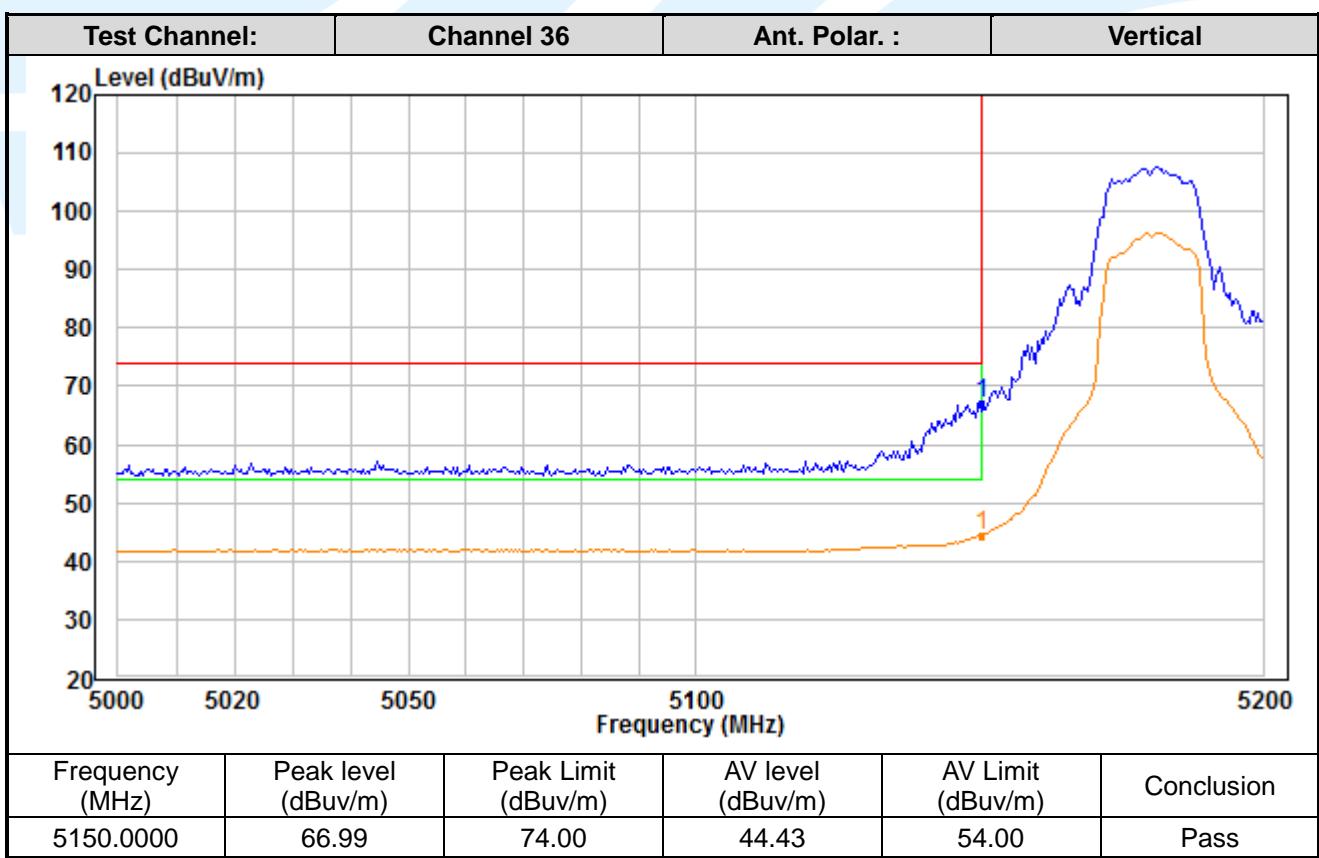
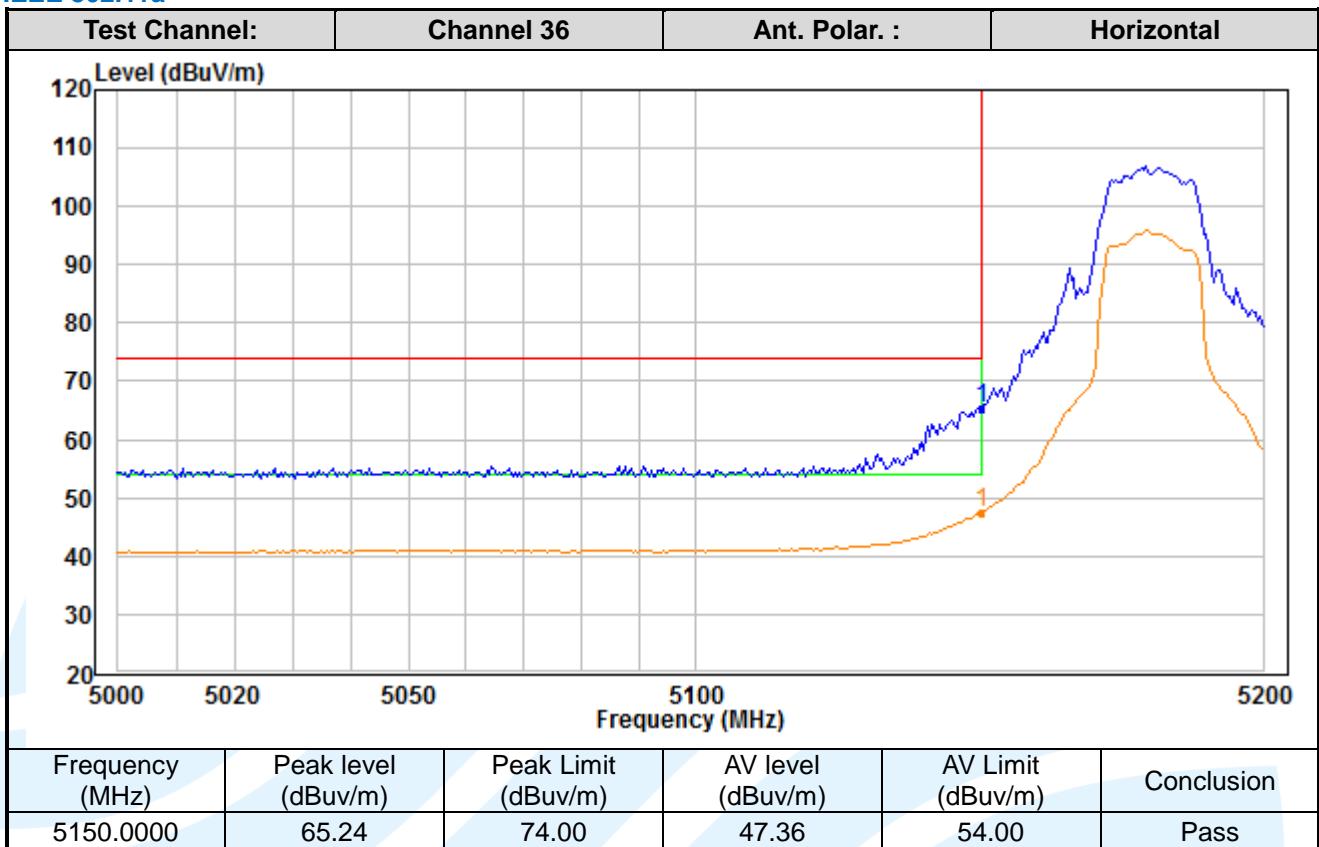
| No. | Frequency (MHz) | Reading (dBuV/m) | Correction factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Antenna Polaxis |
|-----|-----------------|------------------|------------------------|-----------------|----------------|-------------|----------|-----------------|
| 1 | 11060.00 | 37.85 | 10.12 | 47.97 | 74.00 | -26.03 | Peak | Horizontal |
| 2 | 11060.00 | 21.32 | 10.12 | 31.44 | 54.00 | -22.56 | Average | Horizontal |
| 3 | 16590.00 | 37.73 | 13.31 | 51.04 | 74.00 | -22.96 | Peak | Horizontal |
| 4 | 16590.00 | 26.16 | 13.31 | 39.47 | 54.00 | -14.53 | Average | Horizontal |
| 5 | 11060.00 | 39.68 | 8.36 | 48.04 | 74.00 | -25.96 | Peak | Vertical |
| 6 | 11060.00 | 26.69 | 8.36 | 35.05 | 54.00 | -18.95 | Average | Vertical |
| 7 | 16590.00 | 38.75 | 13.29 | 52.04 | 74.00 | -21.96 | Peak | Vertical |
| 8 | 16590.00 | 26.42 | 13.29 | 39.71 | 54.00 | -14.29 | Average | Vertical |

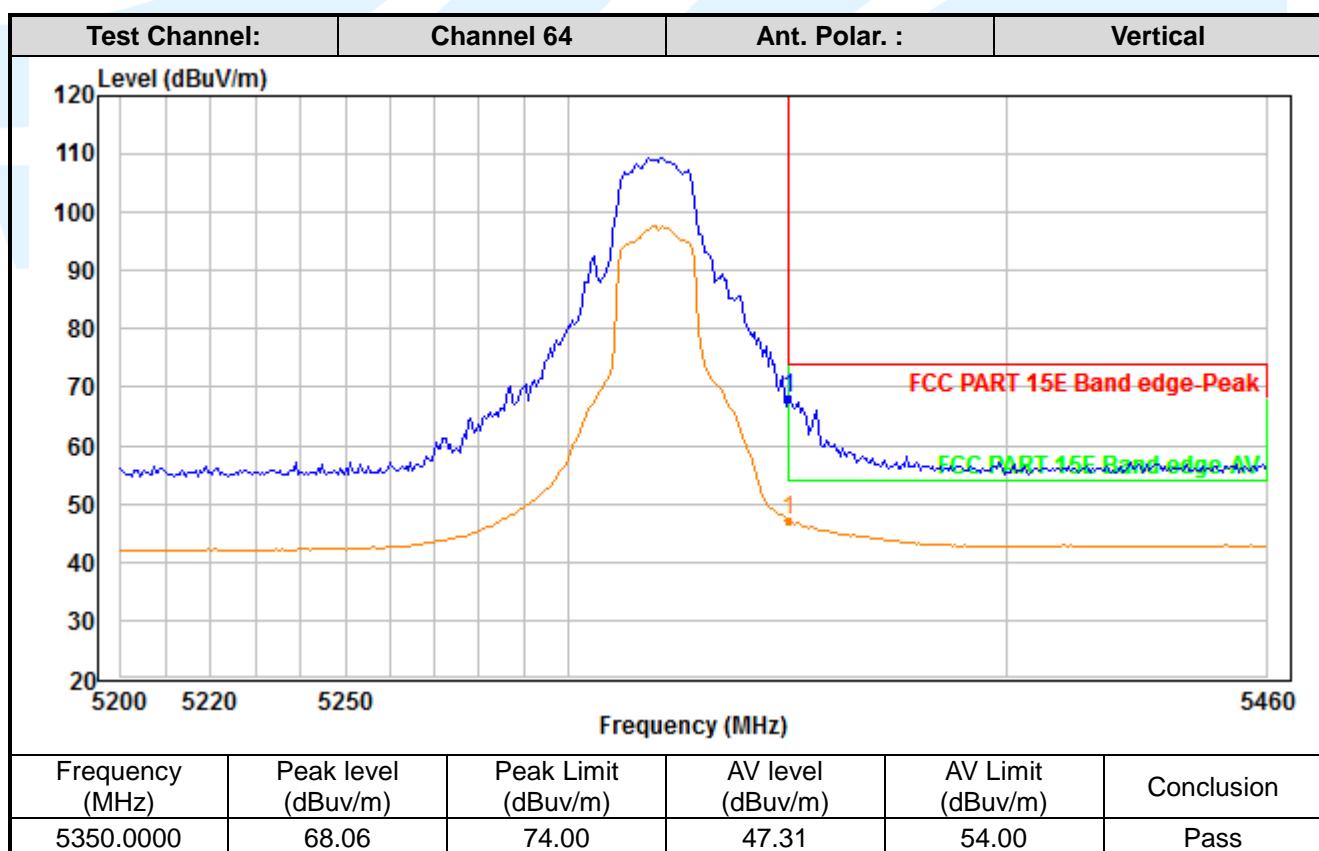
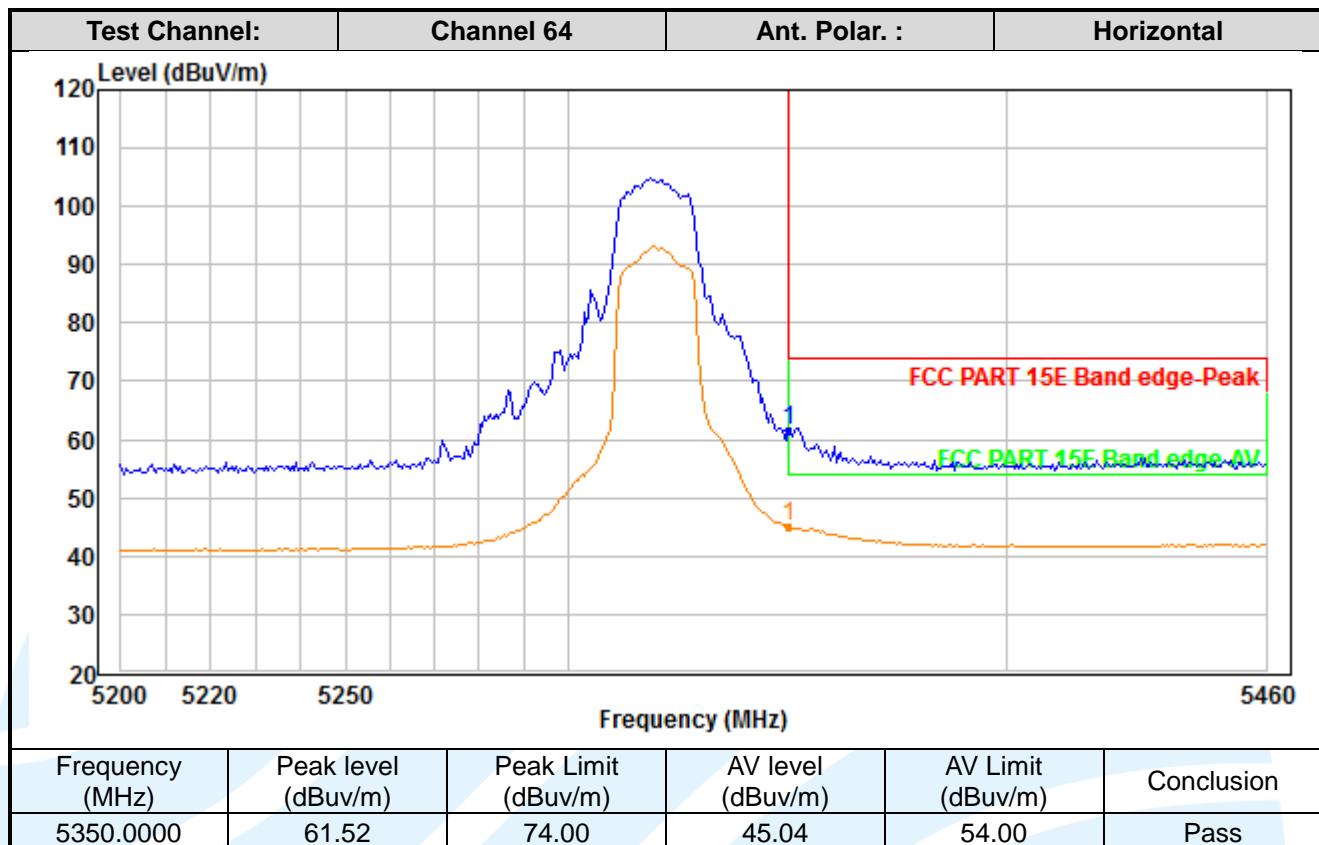
IEEE 802.11ac-VHT80_Channel 155

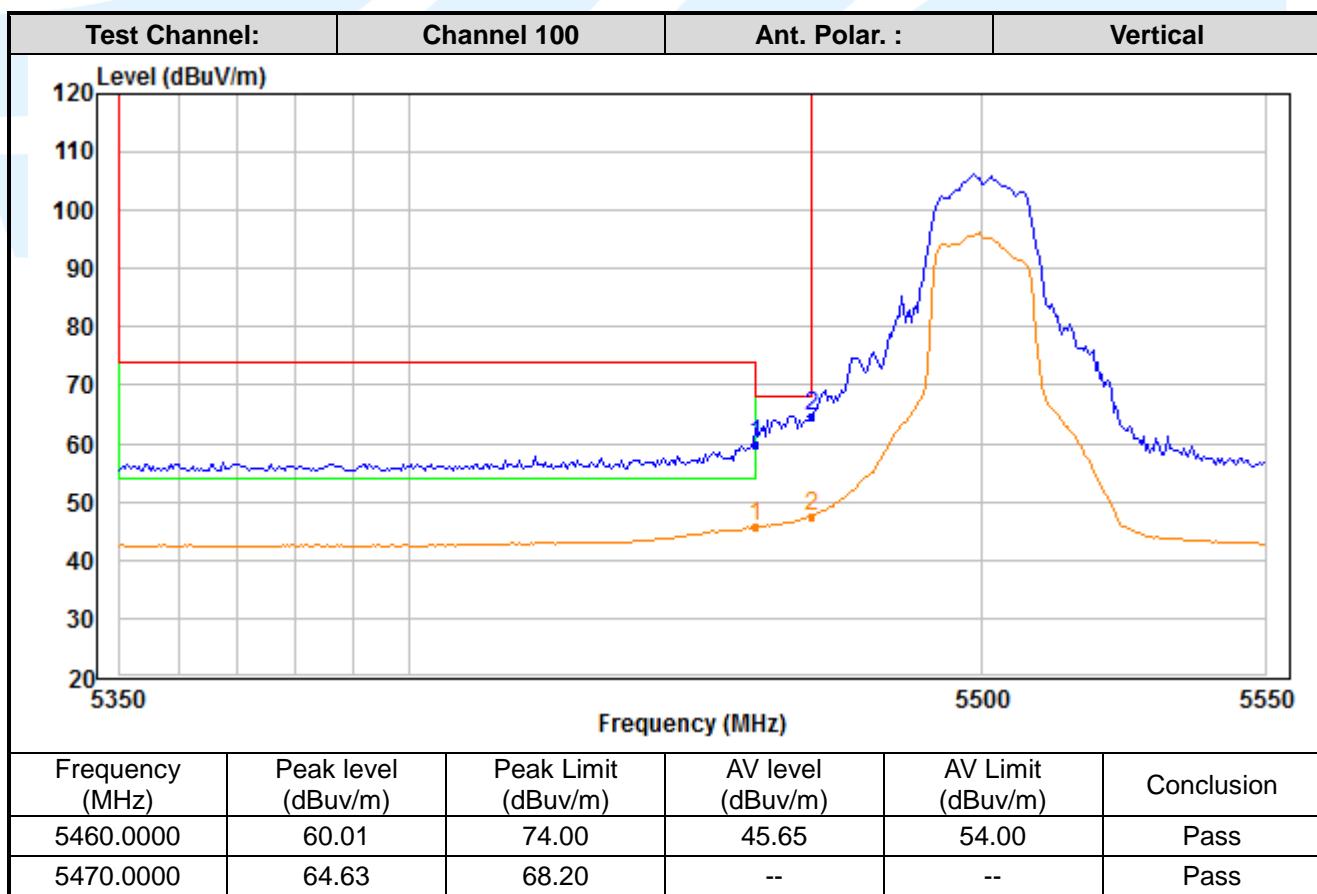
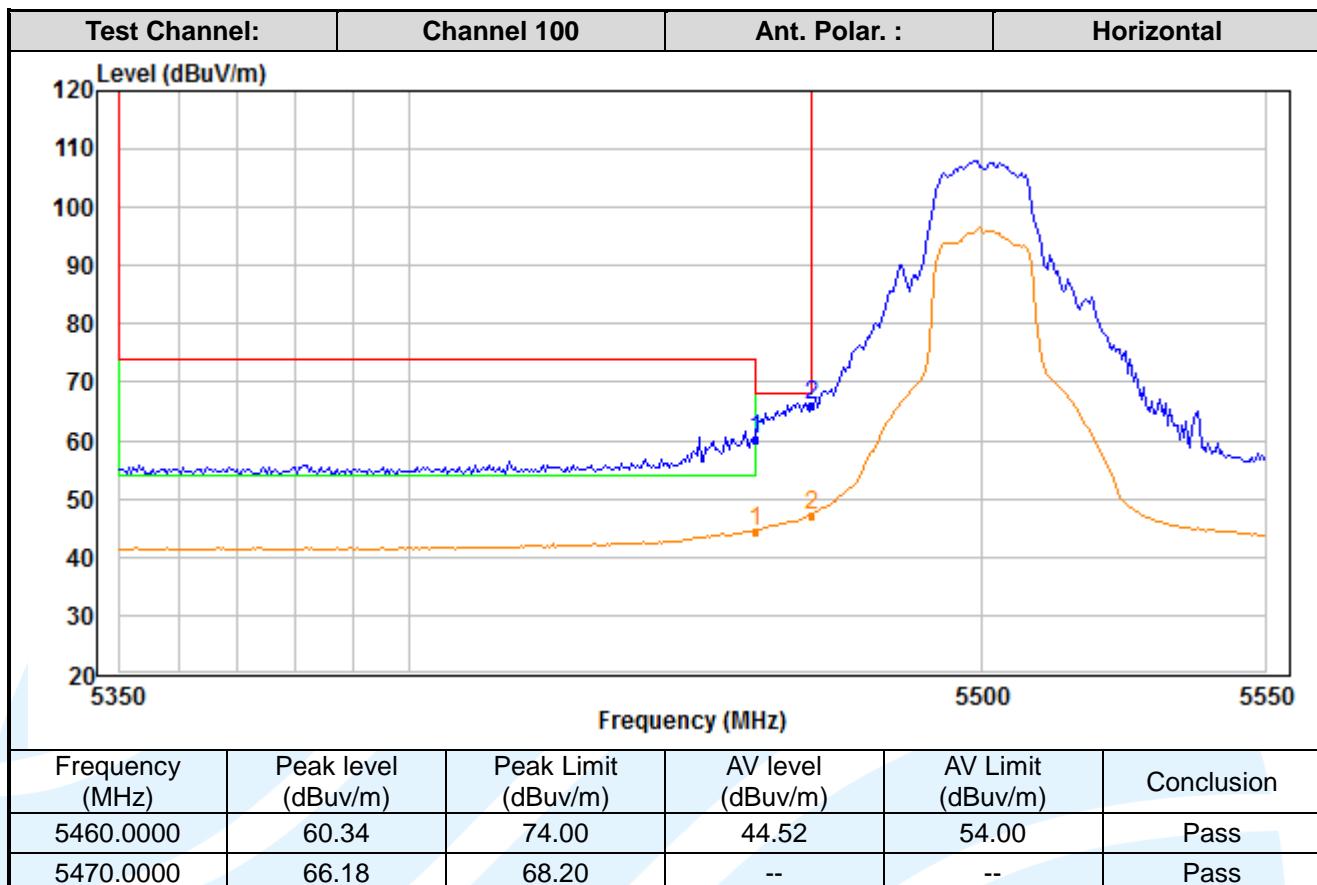
| No. | Frequency (MHz) | Reading (dBuV/m) | Correction factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Antenna Polaxis |
|-----|-----------------|------------------|------------------------|-----------------|----------------|-------------|----------|-----------------|
| 1 | 11550.00 | 39.24 | 9.83 | 49.07 | 74.00 | -24.93 | Peak | Horizontal |
| 2 | 11550.00 | 27.69 | 9.83 | 37.52 | 54.00 | -16.48 | Average | Horizontal |
| 3 | 17325.00 | 38.27 | 14.36 | 52.63 | 74.00 | -21.37 | Peak | Horizontal |
| 4 | 17325.00 | 26.55 | 14.36 | 40.91 | 54.00 | -13.09 | Average | Horizontal |
| 5 | 11550.00 | 38.95 | 8.41 | 47.36 | 74.00 | -26.64 | Peak | Vertical |
| 6 | 11550.00 | 26.27 | 8.41 | 34.68 | 54.00 | -19.32 | Average | Vertical |
| 7 | 17325.00 | 38.29 | 13.57 | 51.86 | 74.00 | -22.14 | Peak | Vertical |
| 8 | 17325.00 | 26.57 | 13.57 | 40.14 | 54.00 | -13.86 | Average | Vertical |

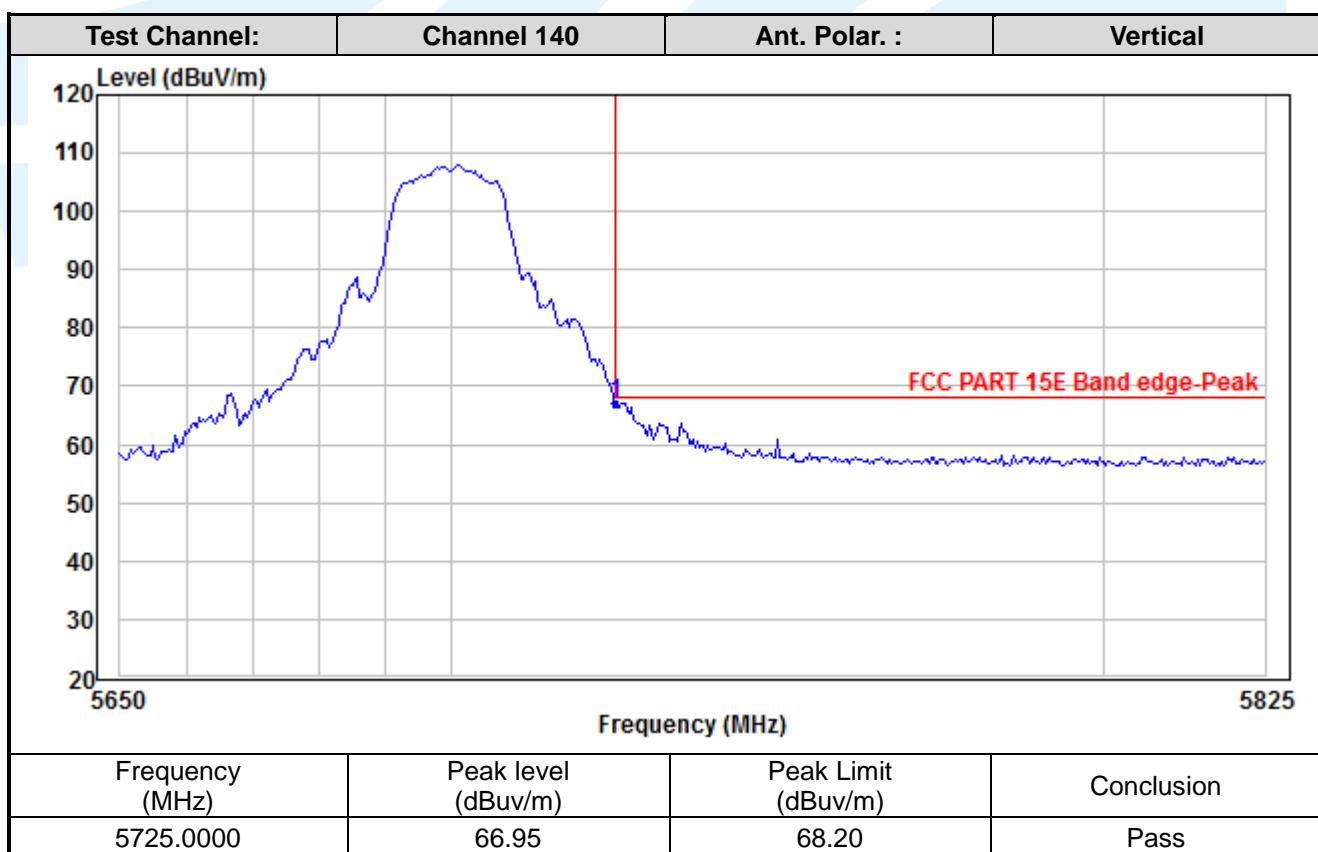
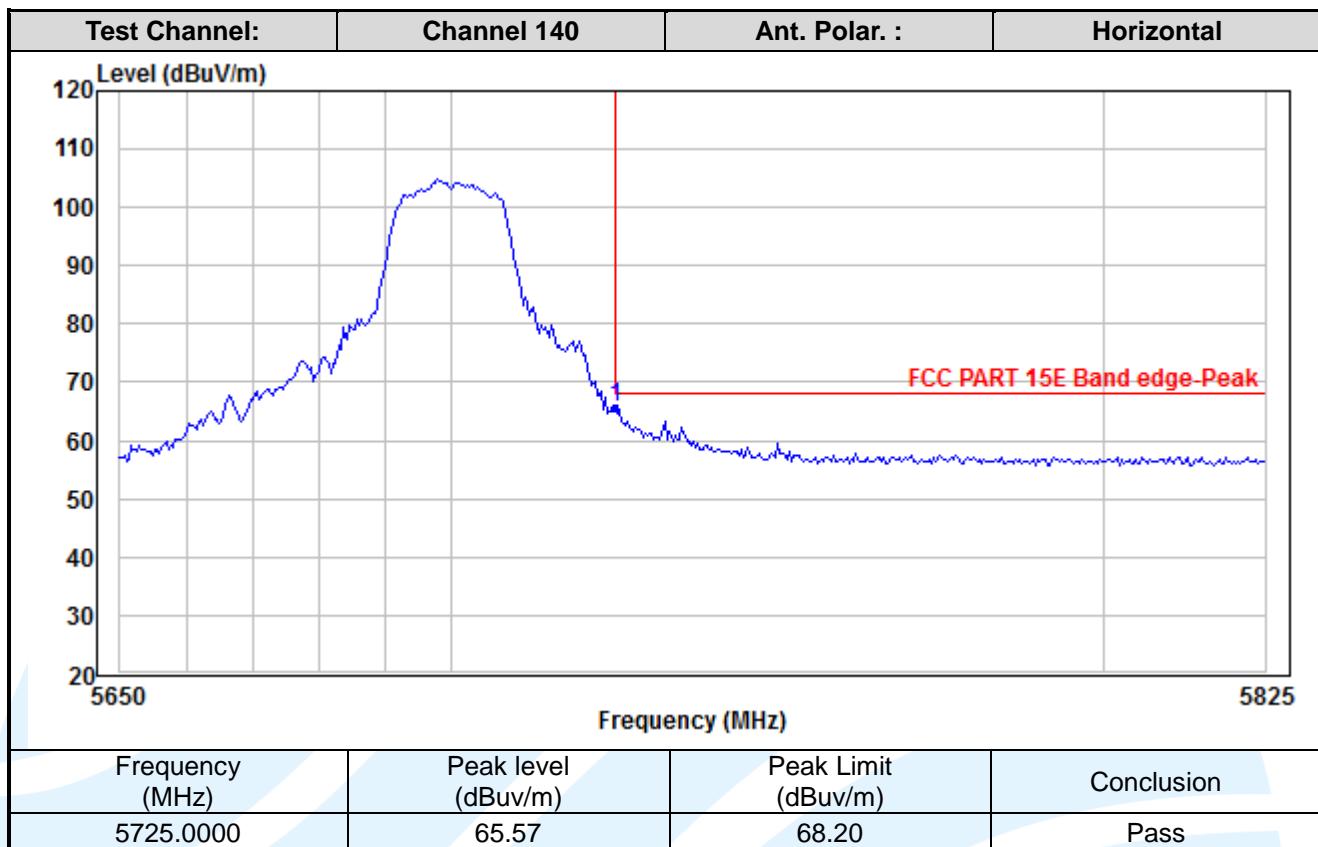
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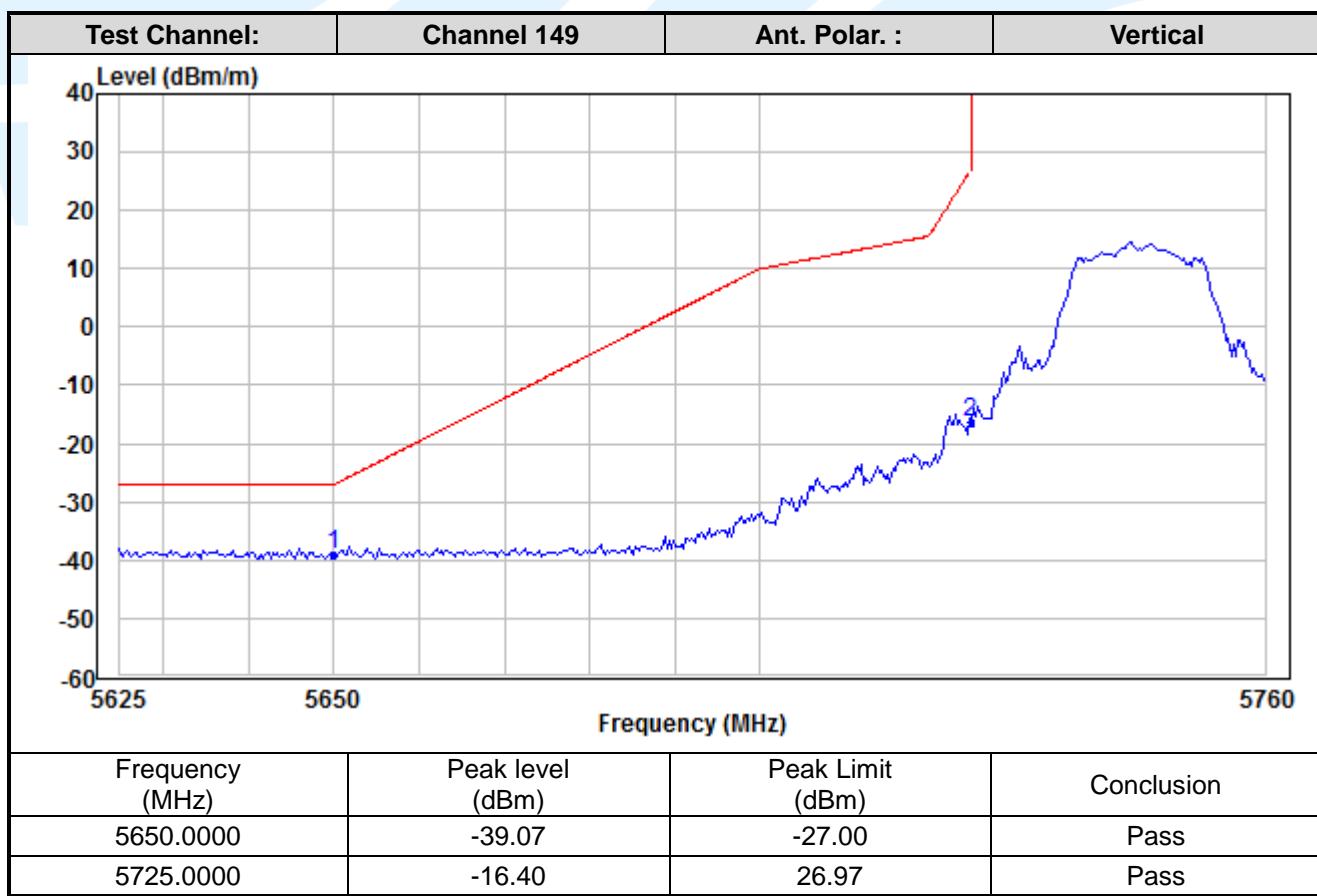
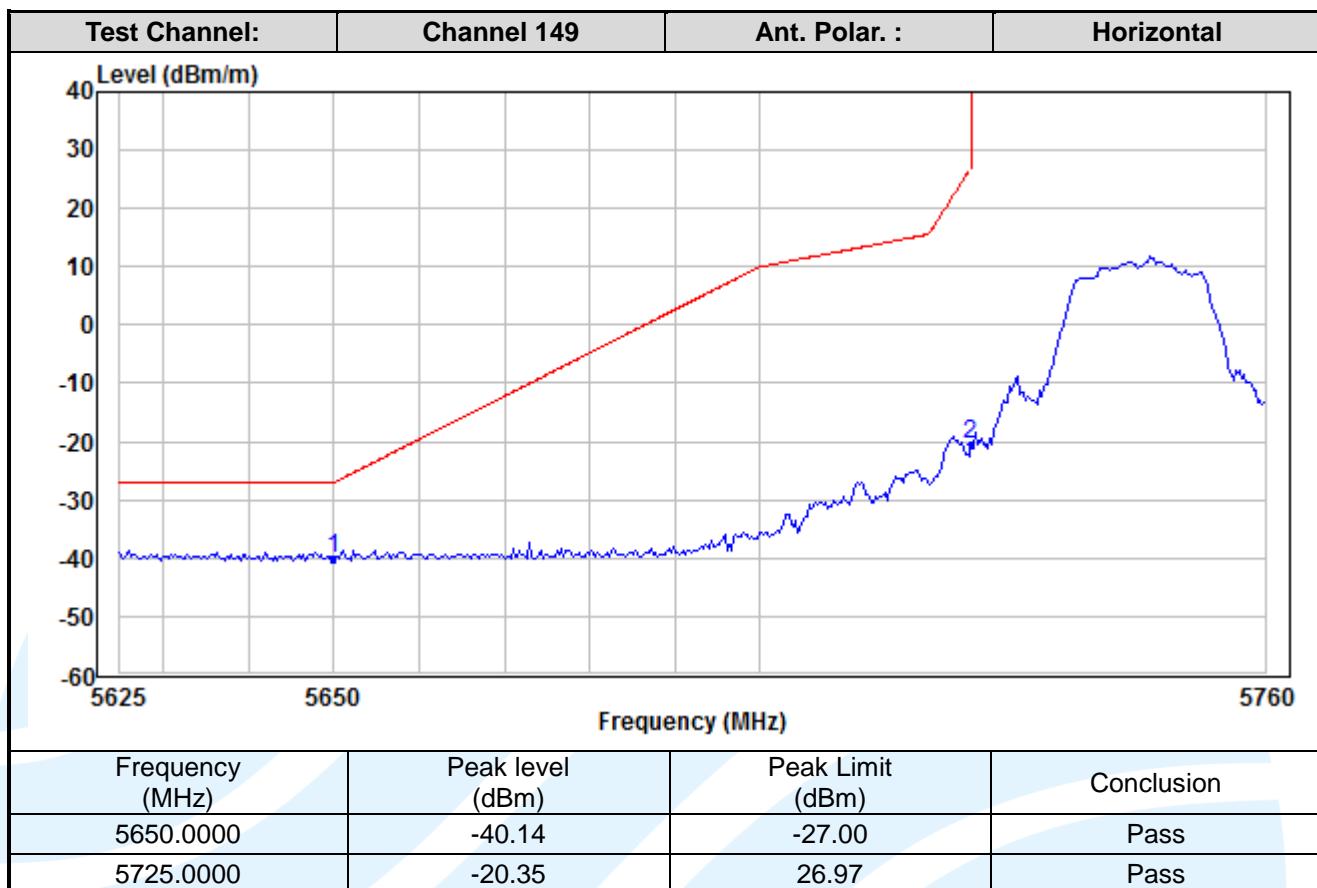
1. Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain, the value was added to Original Receiver Reading by the software automatically.
2. Result = Reading + Correct Factor.
3. Margin = Result – Limit

Band Edge Measurements (Radiated)
IEEE 802.11a




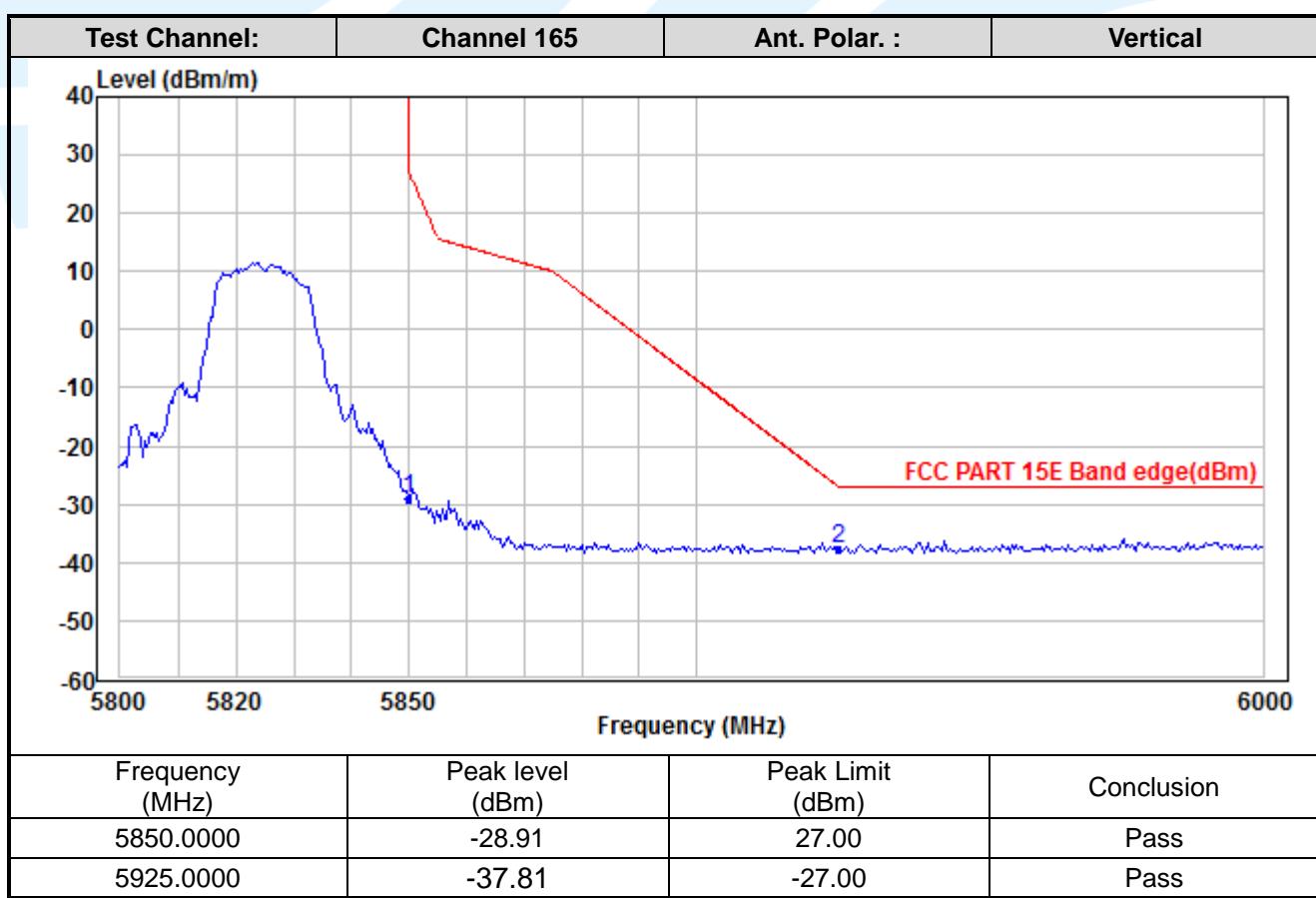
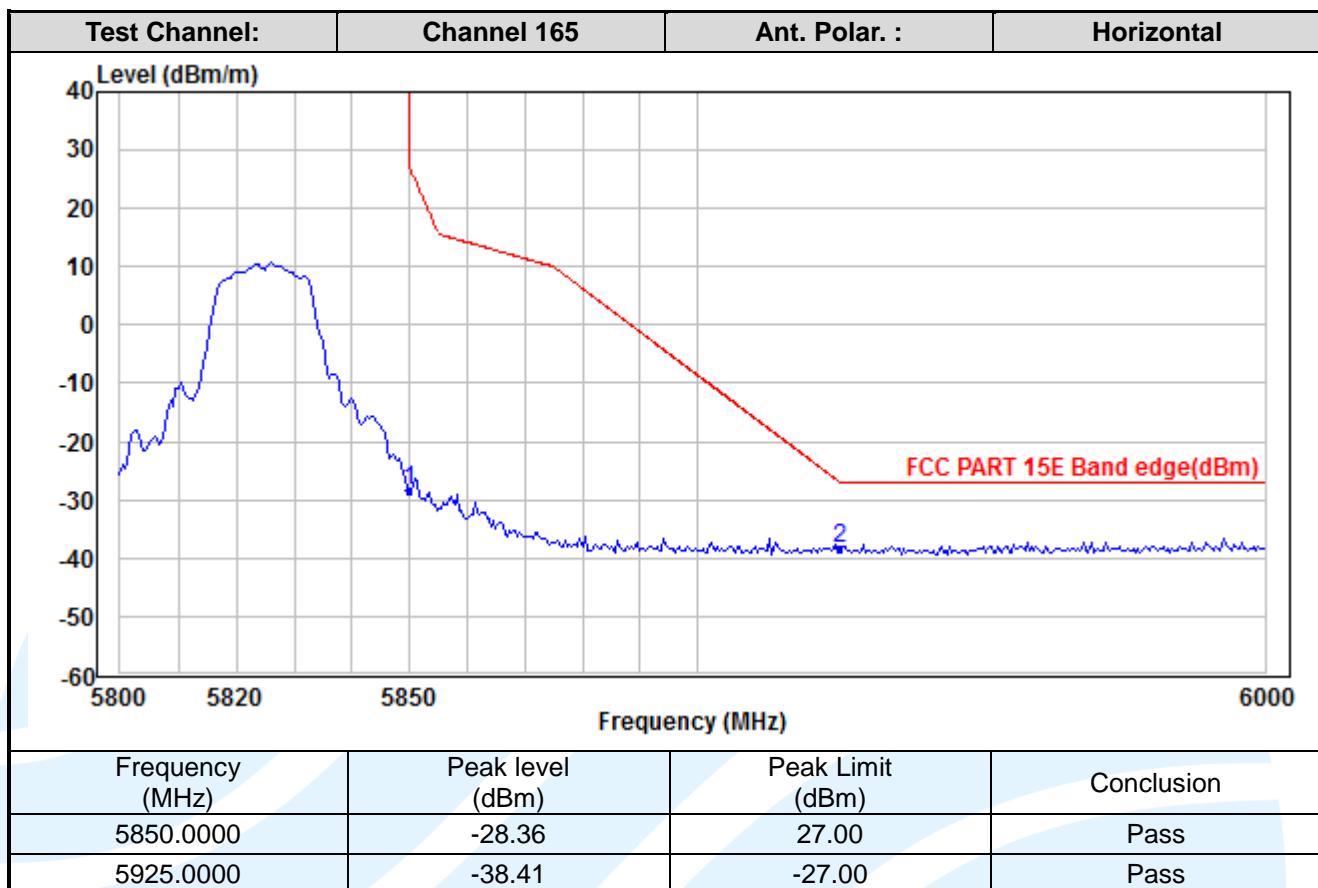






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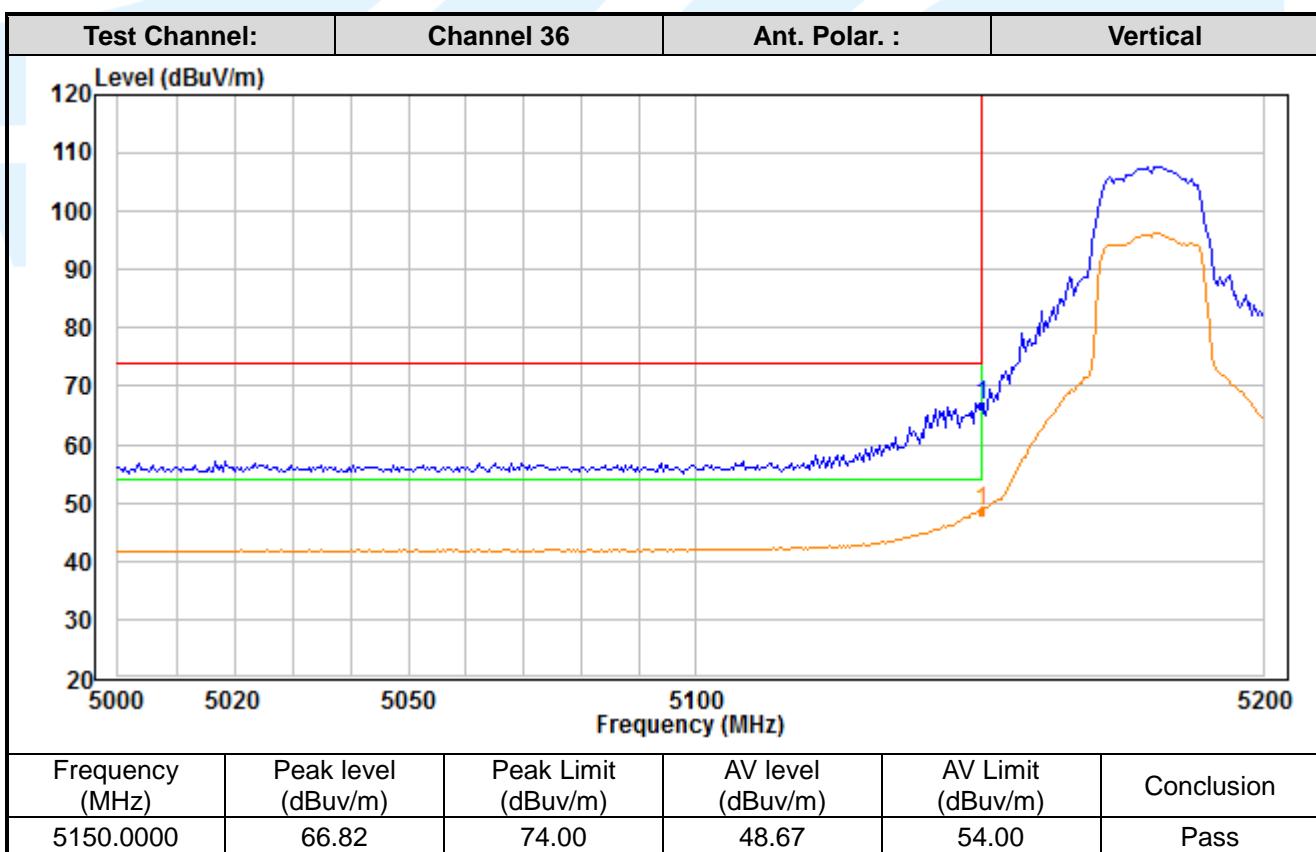
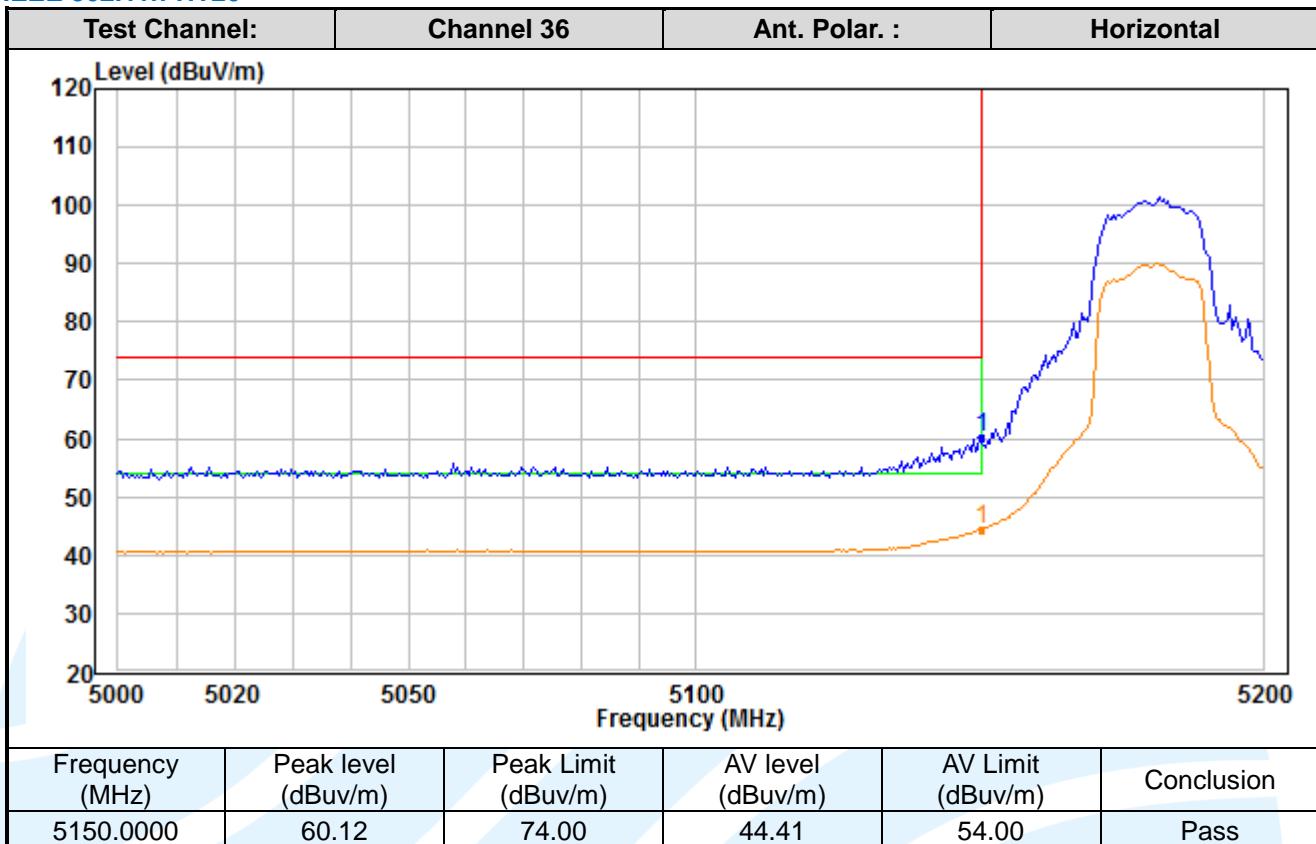
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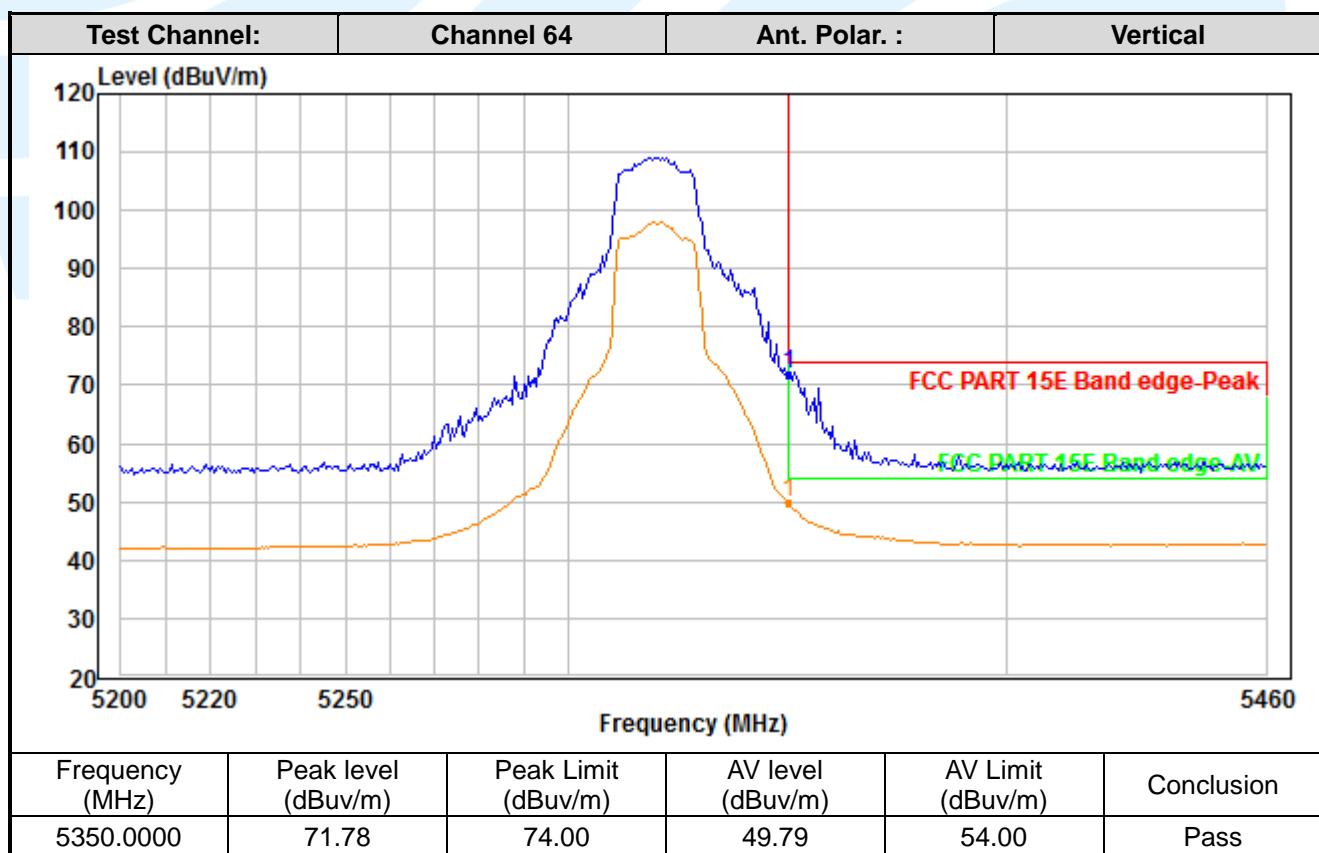
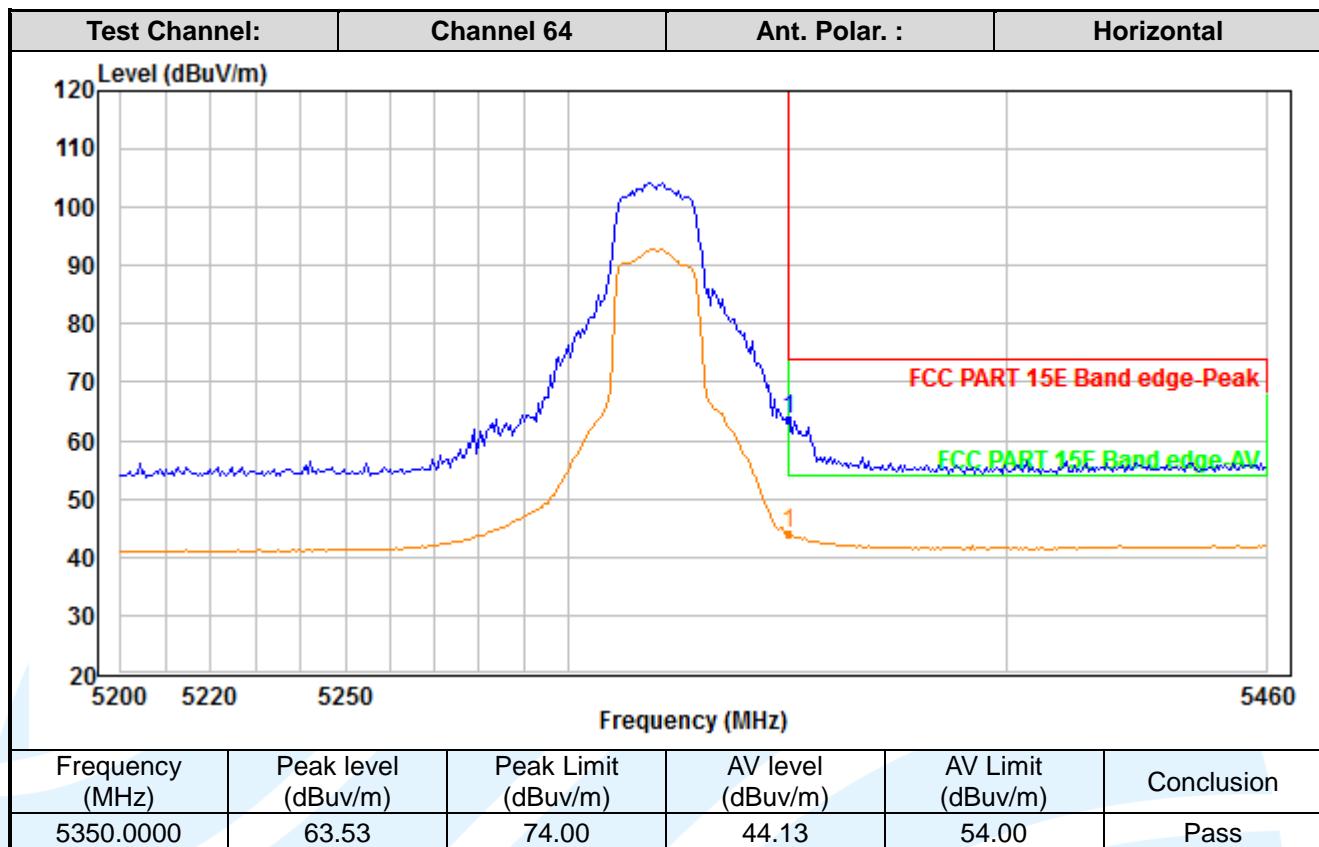
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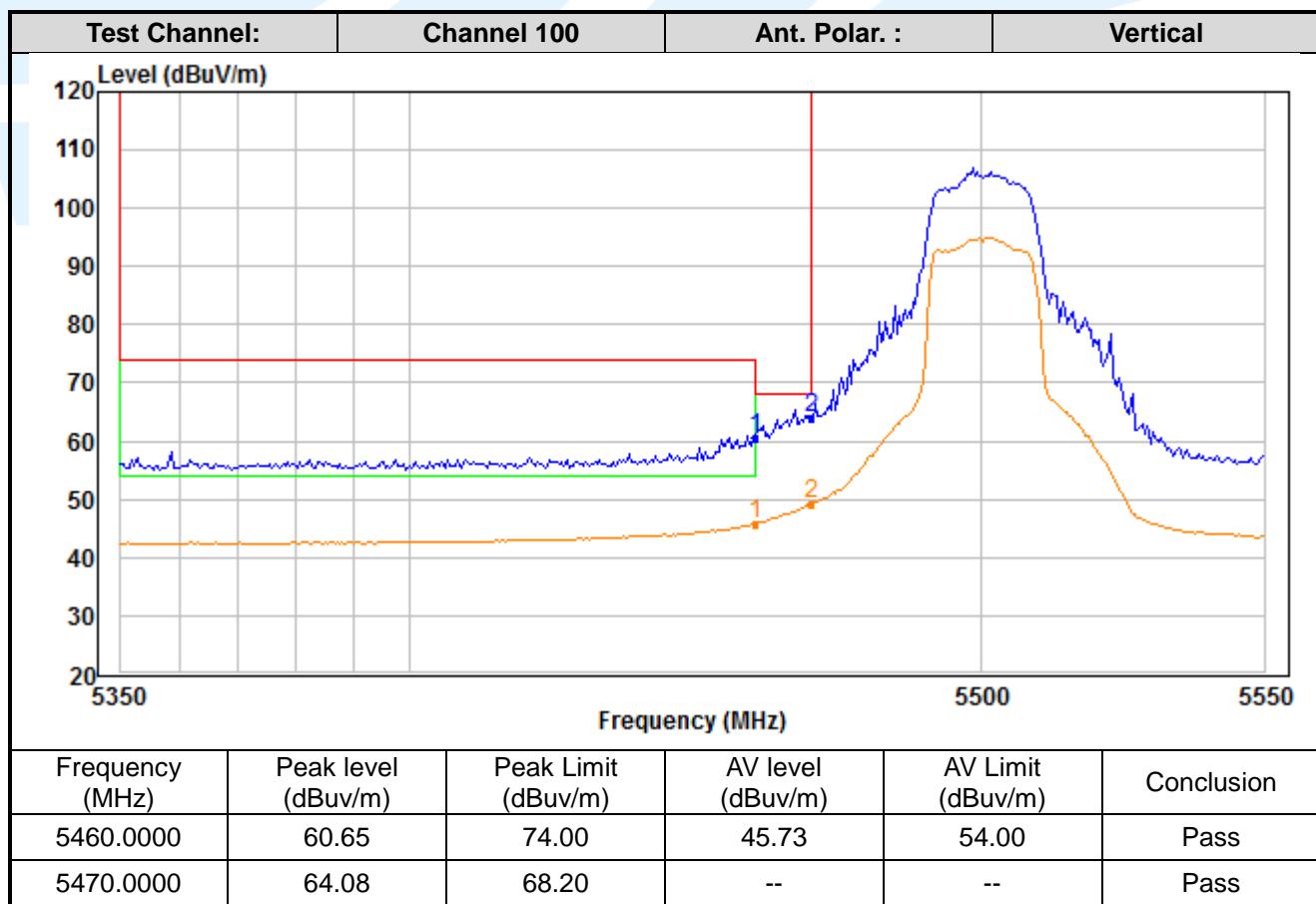
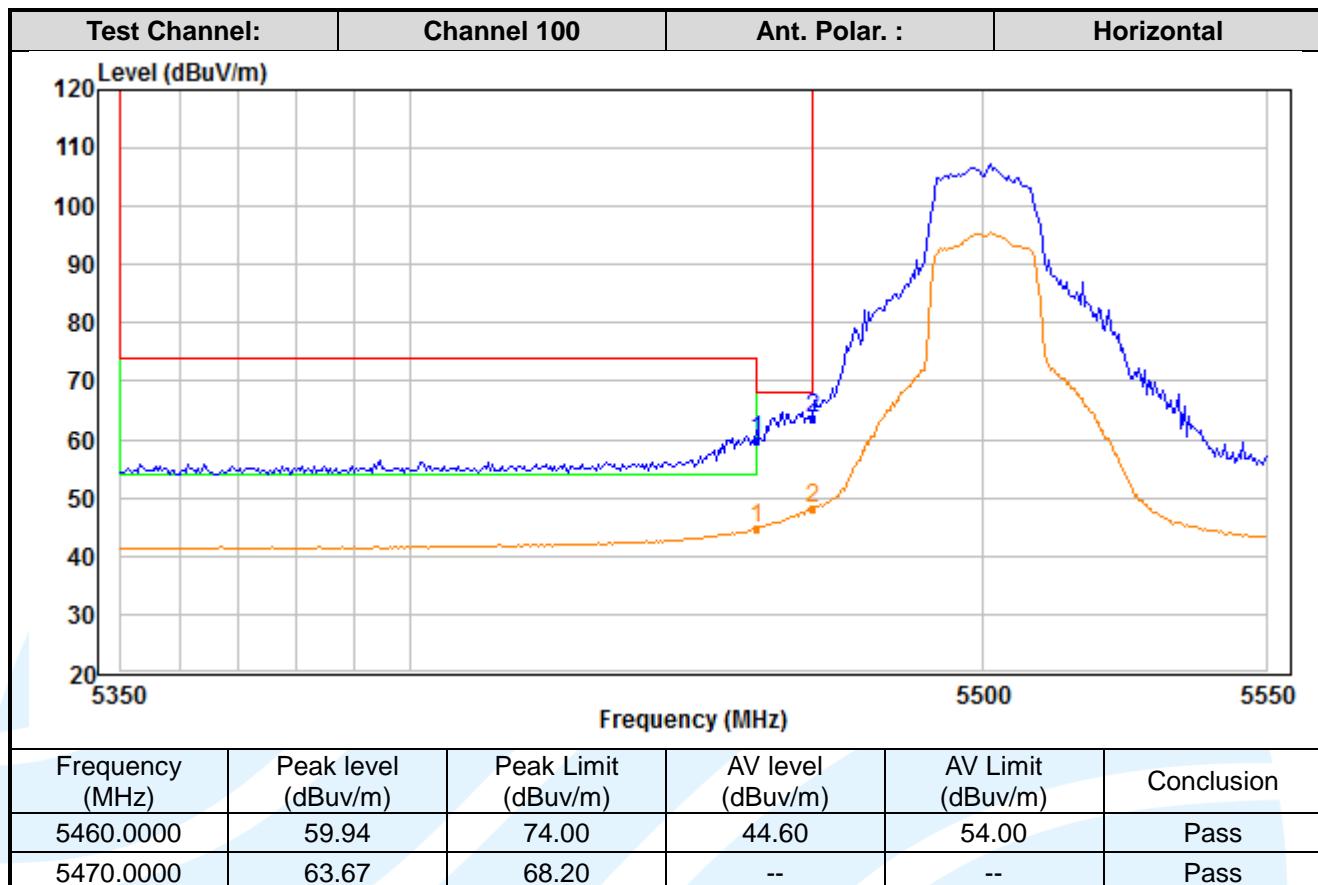
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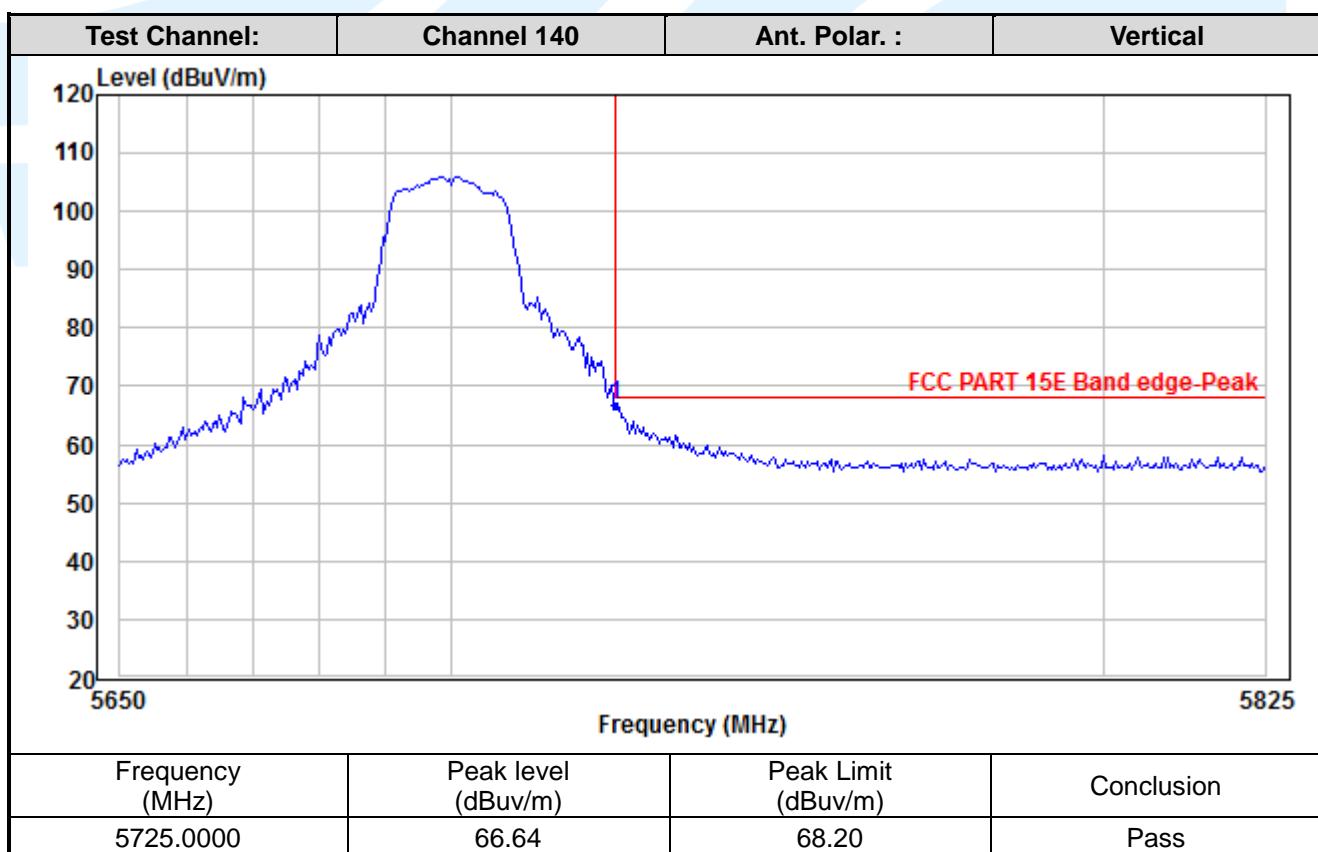
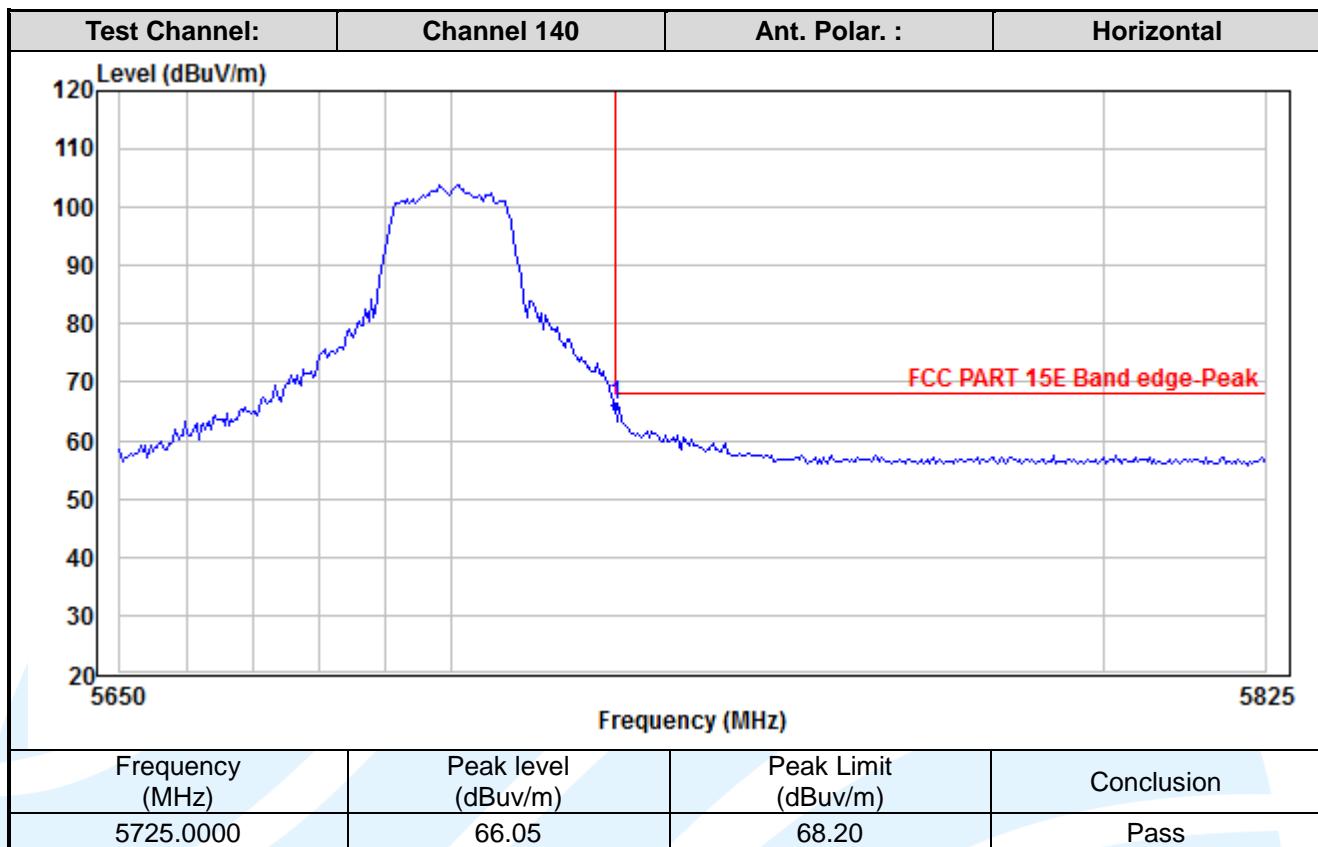
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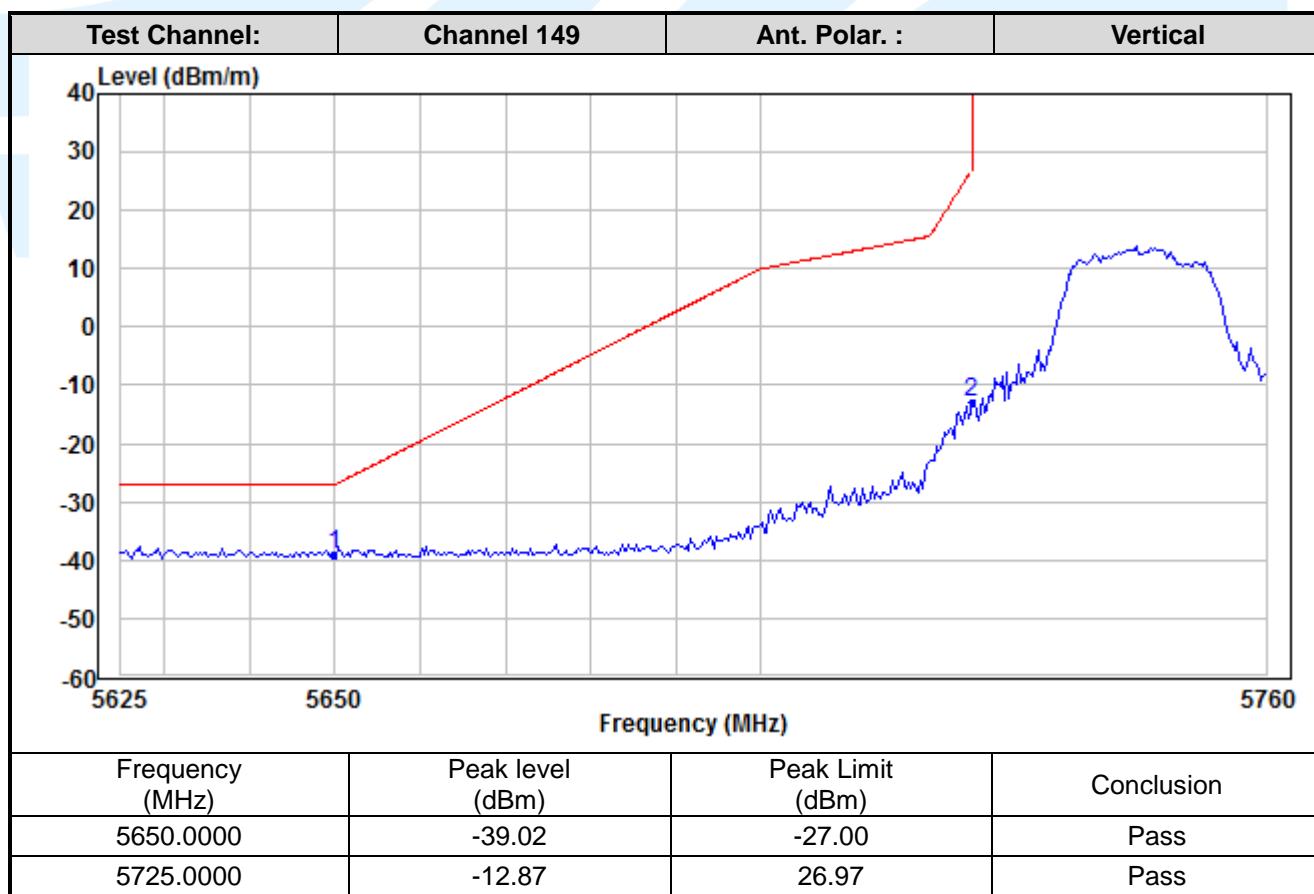
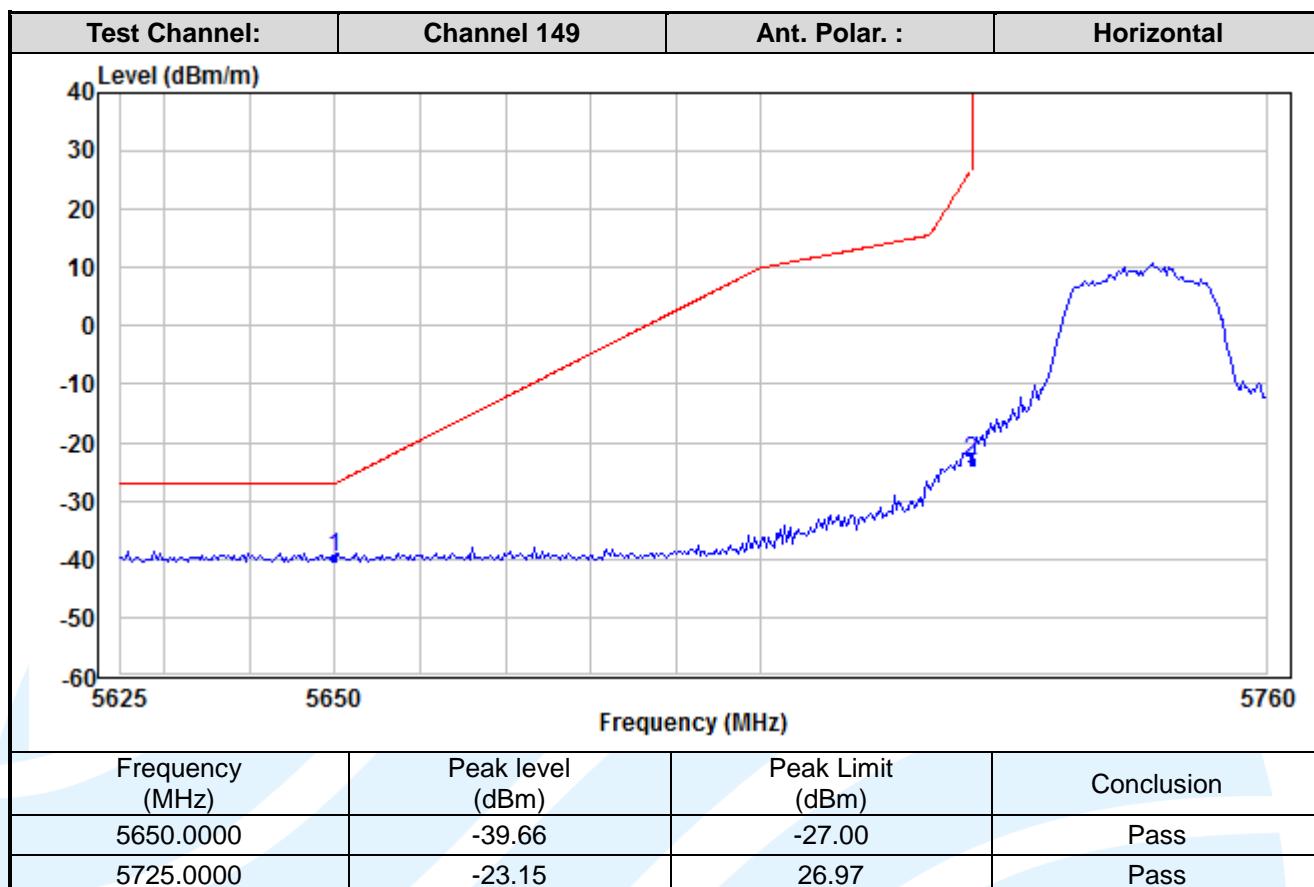
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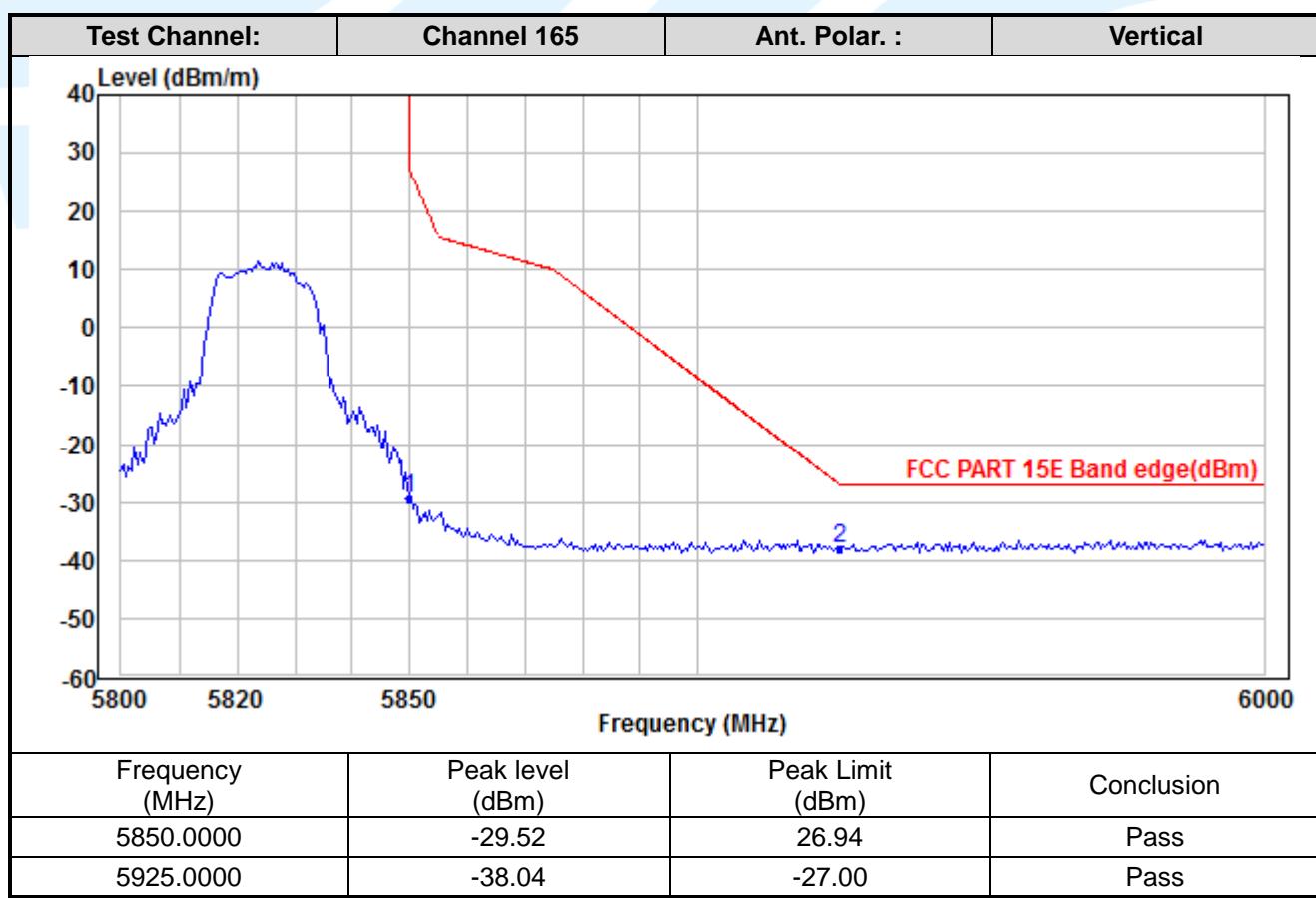
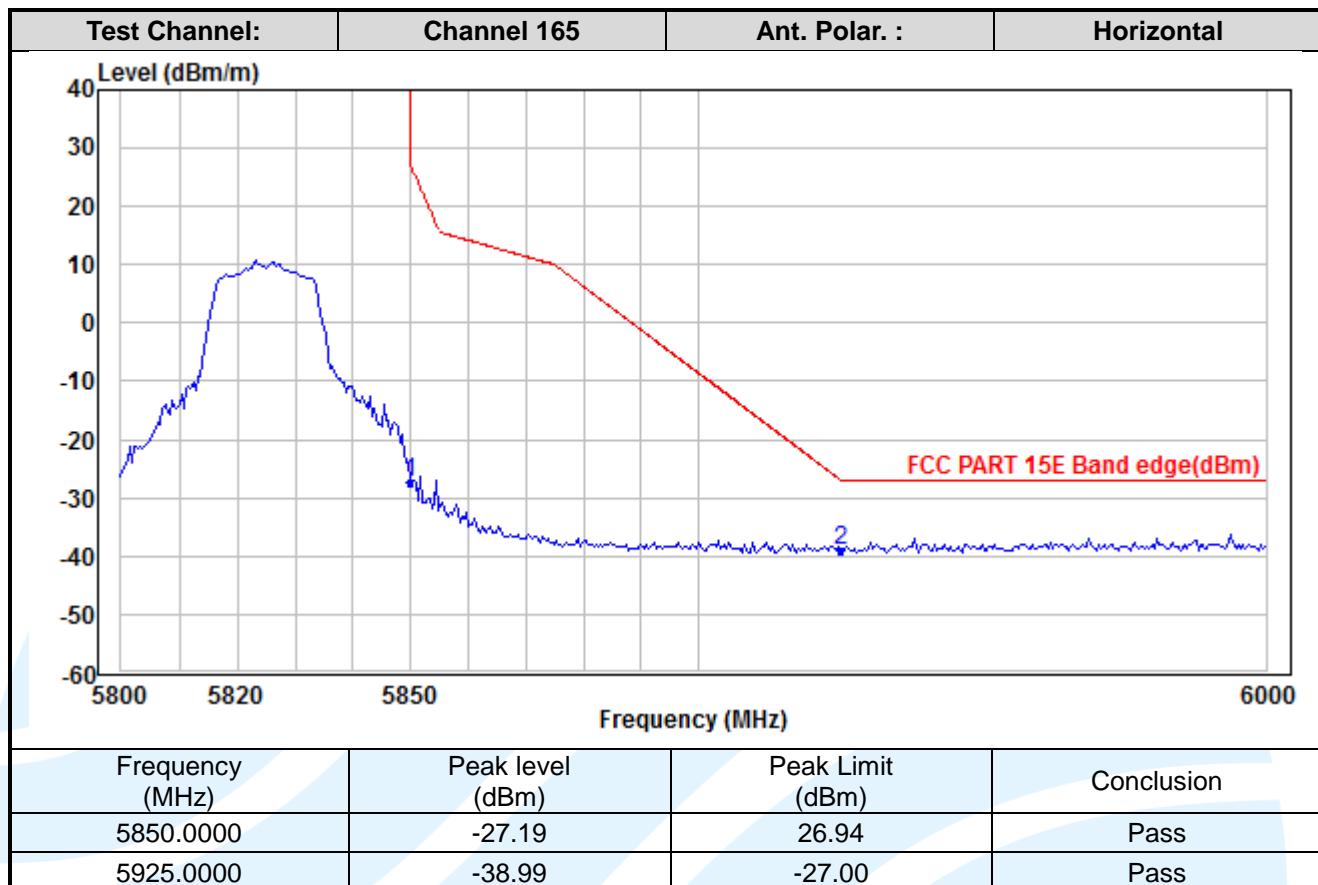
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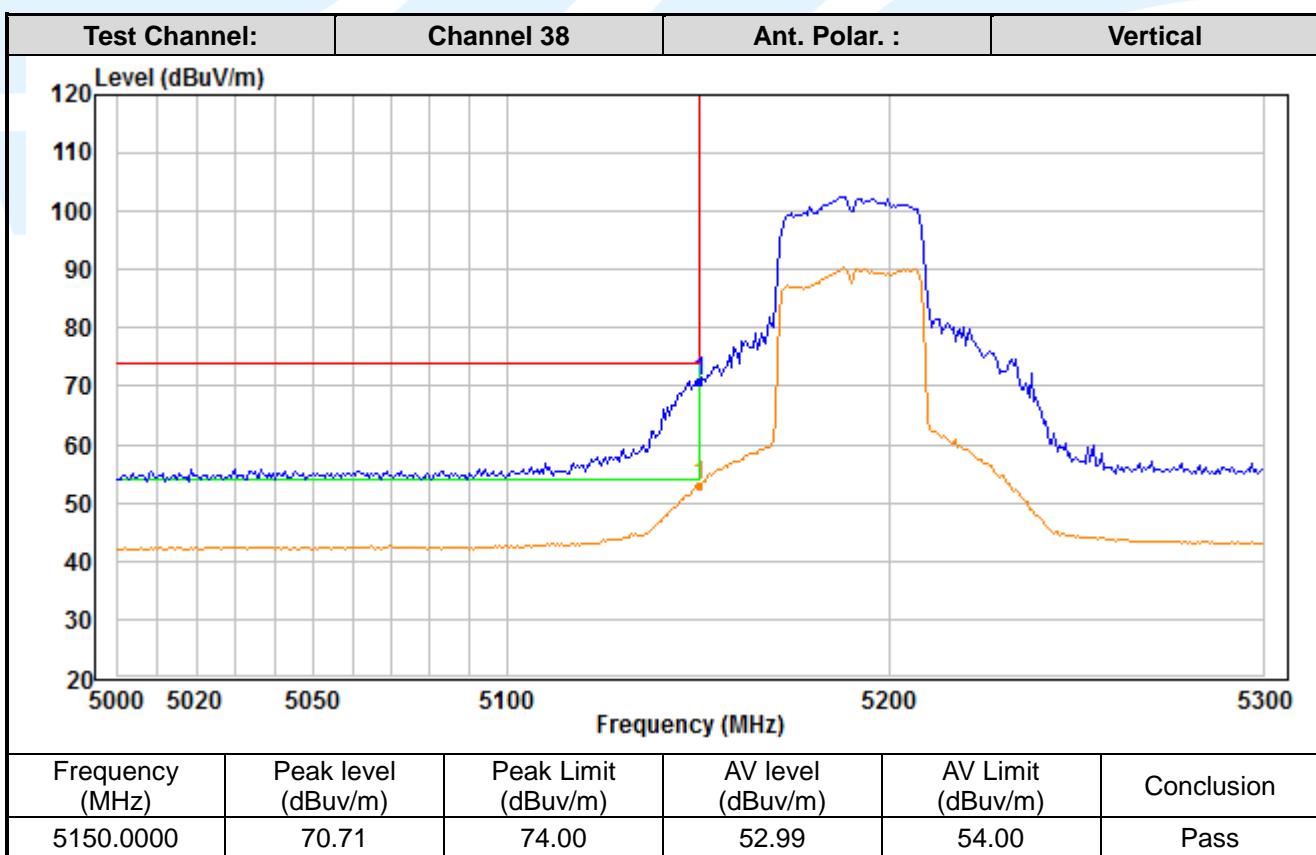
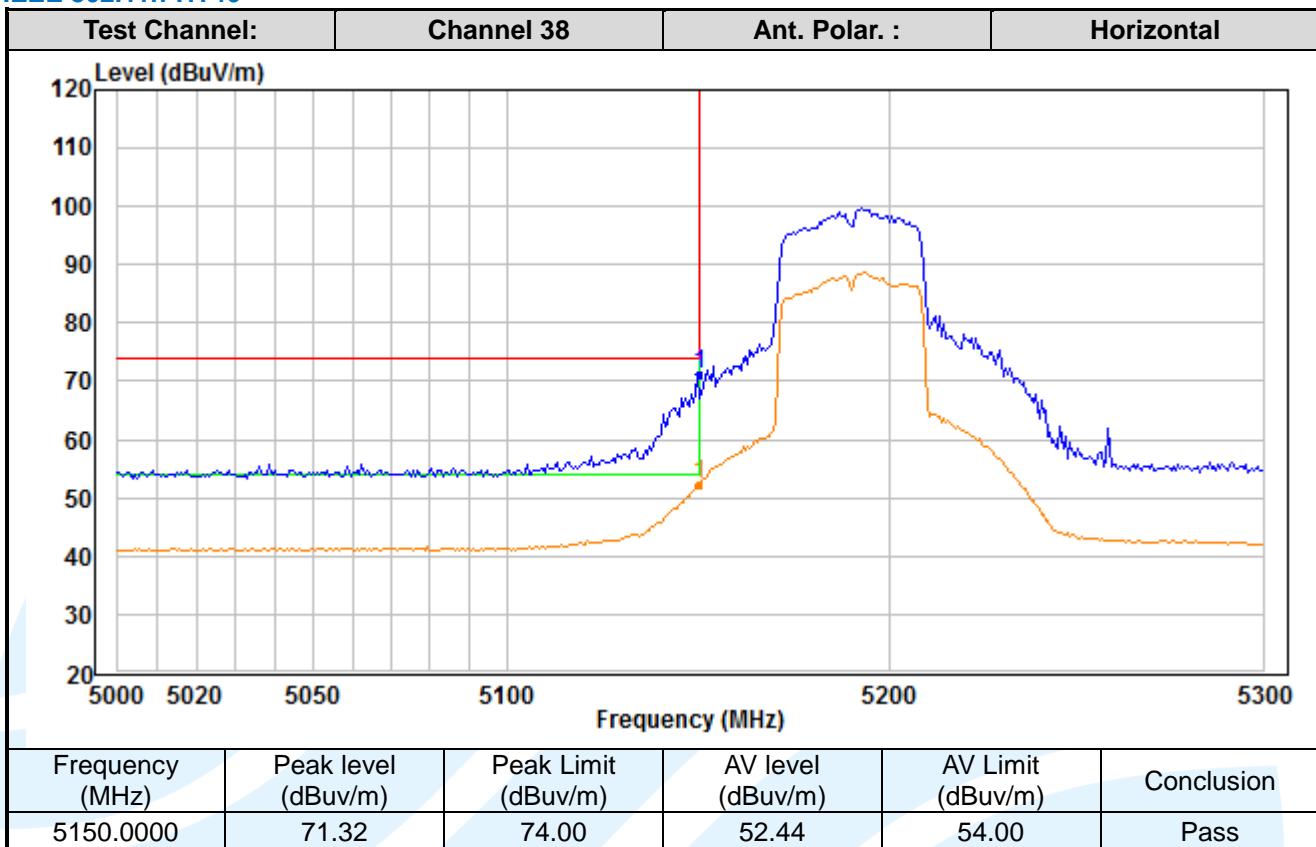
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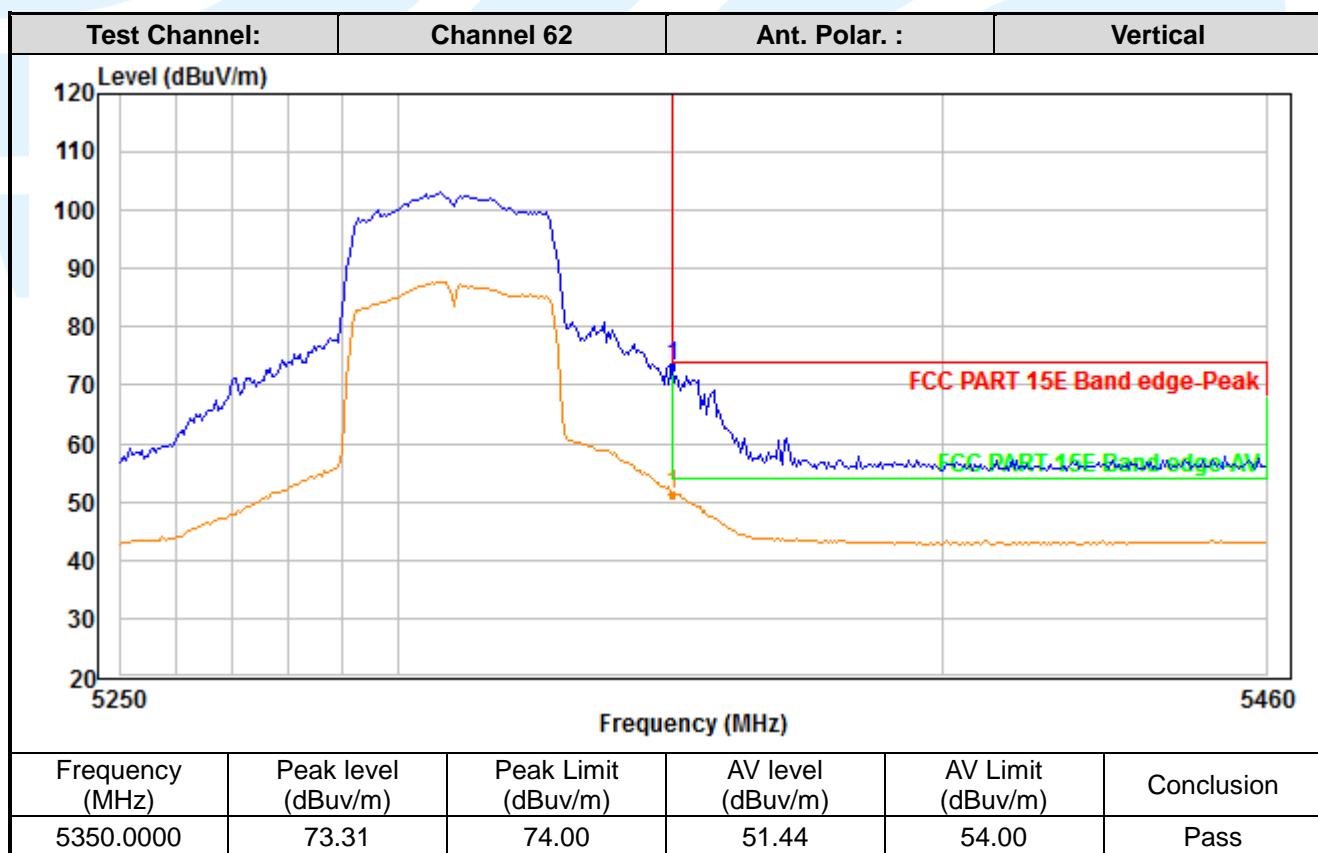
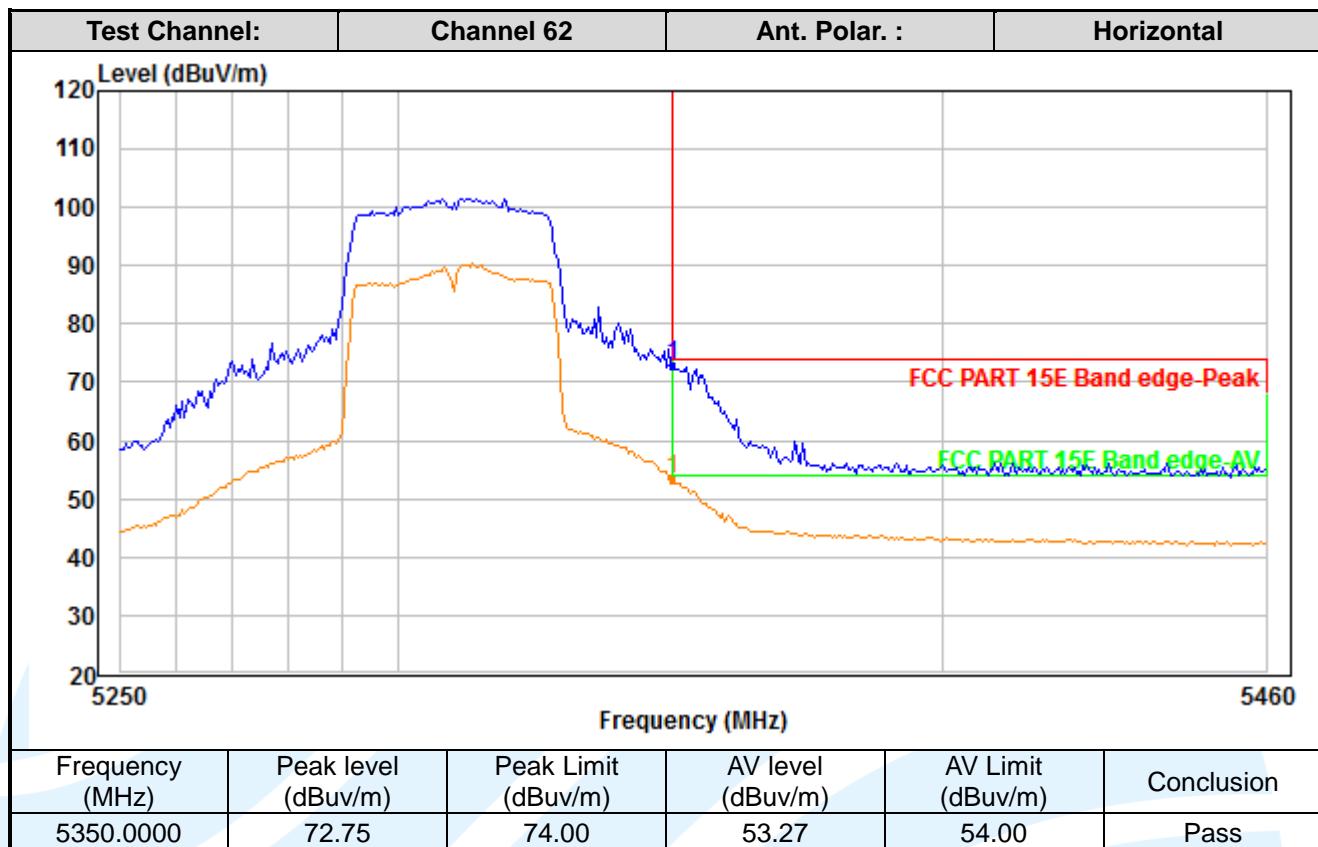


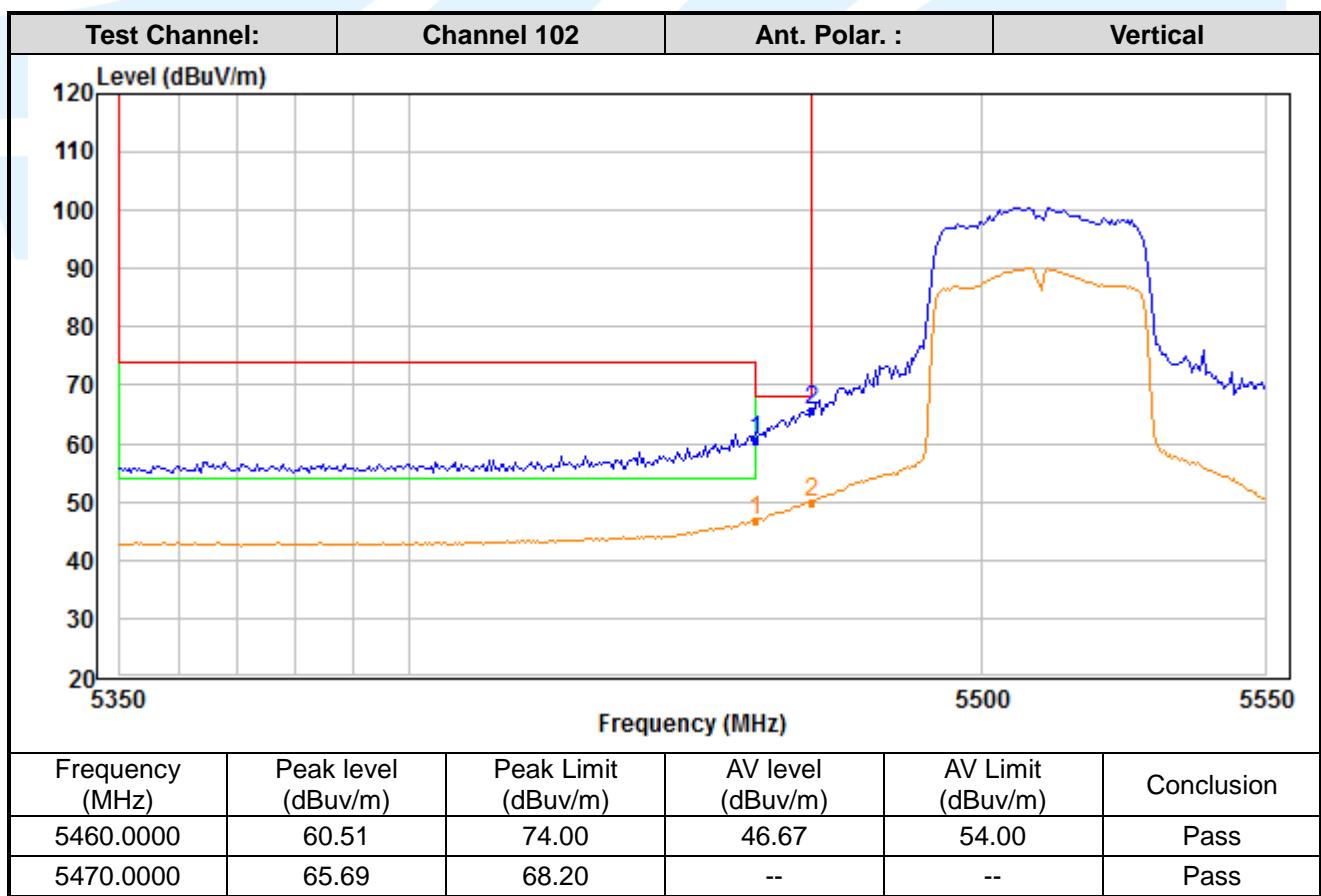
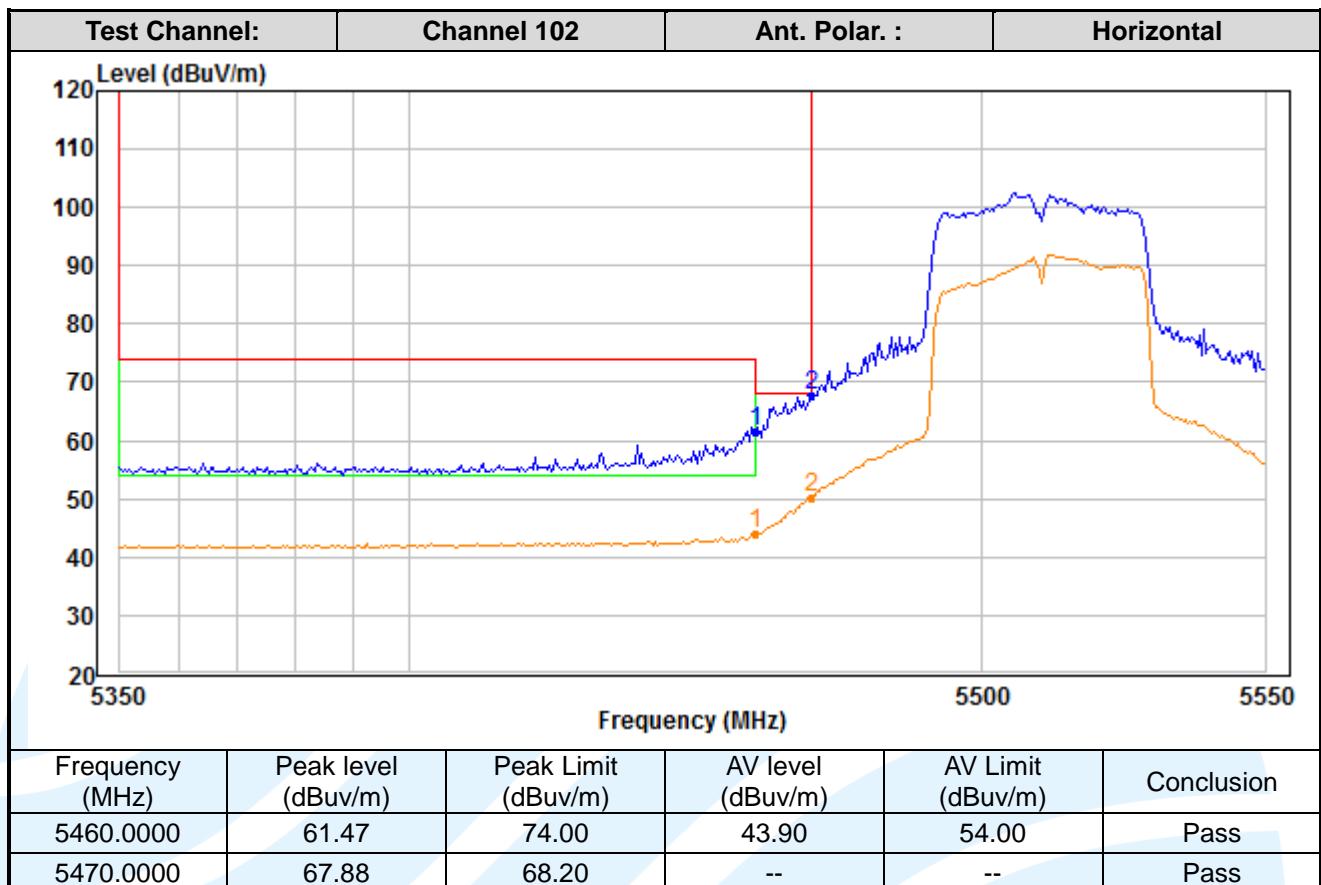


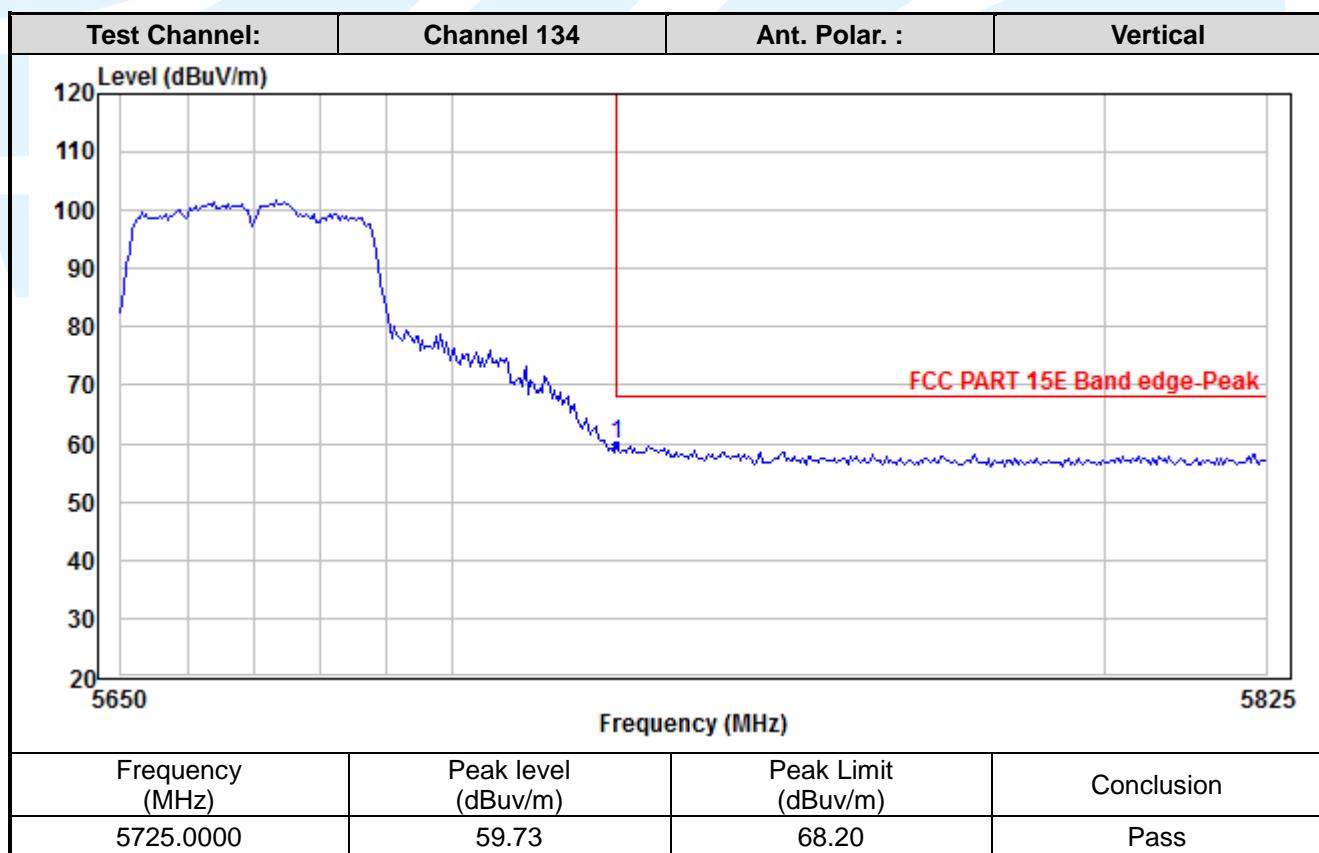
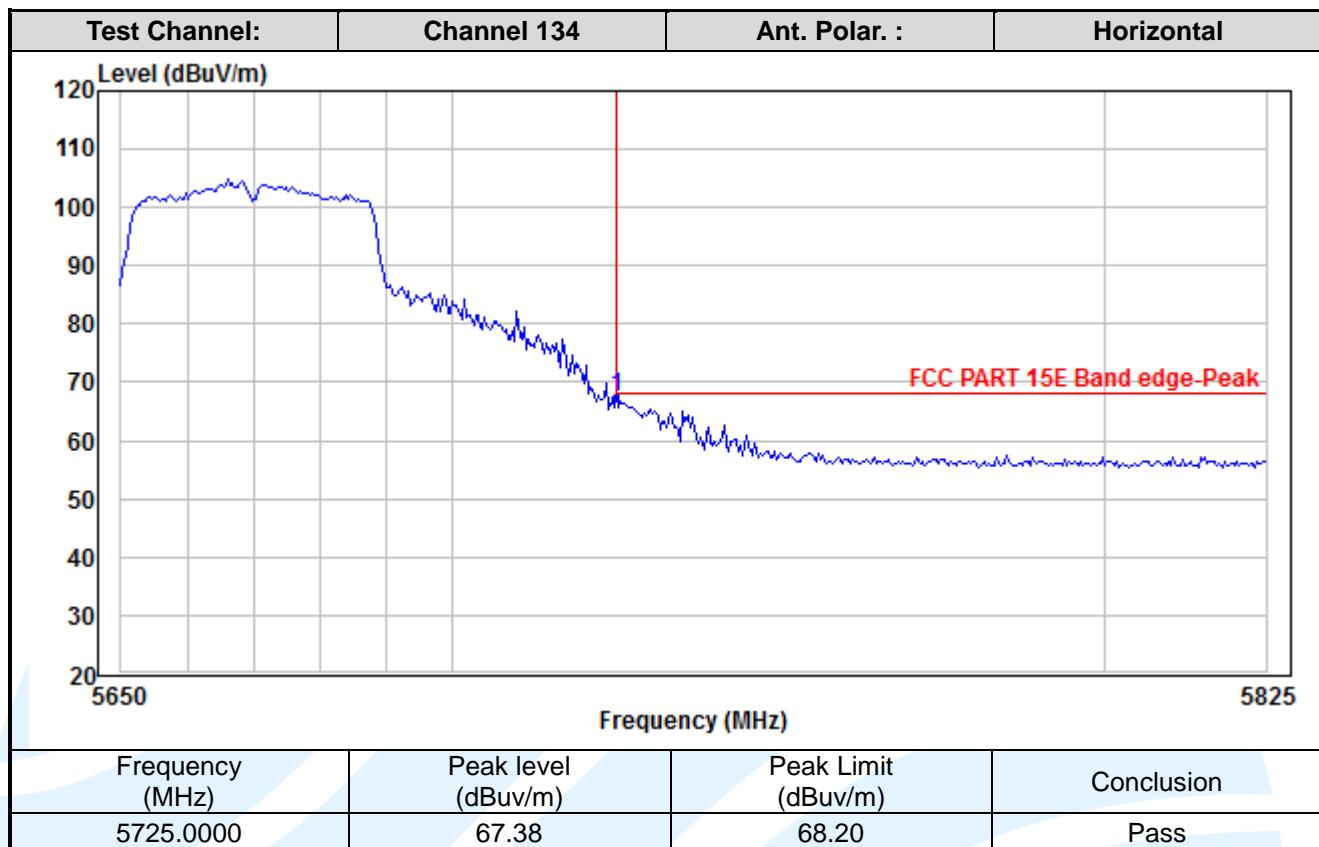

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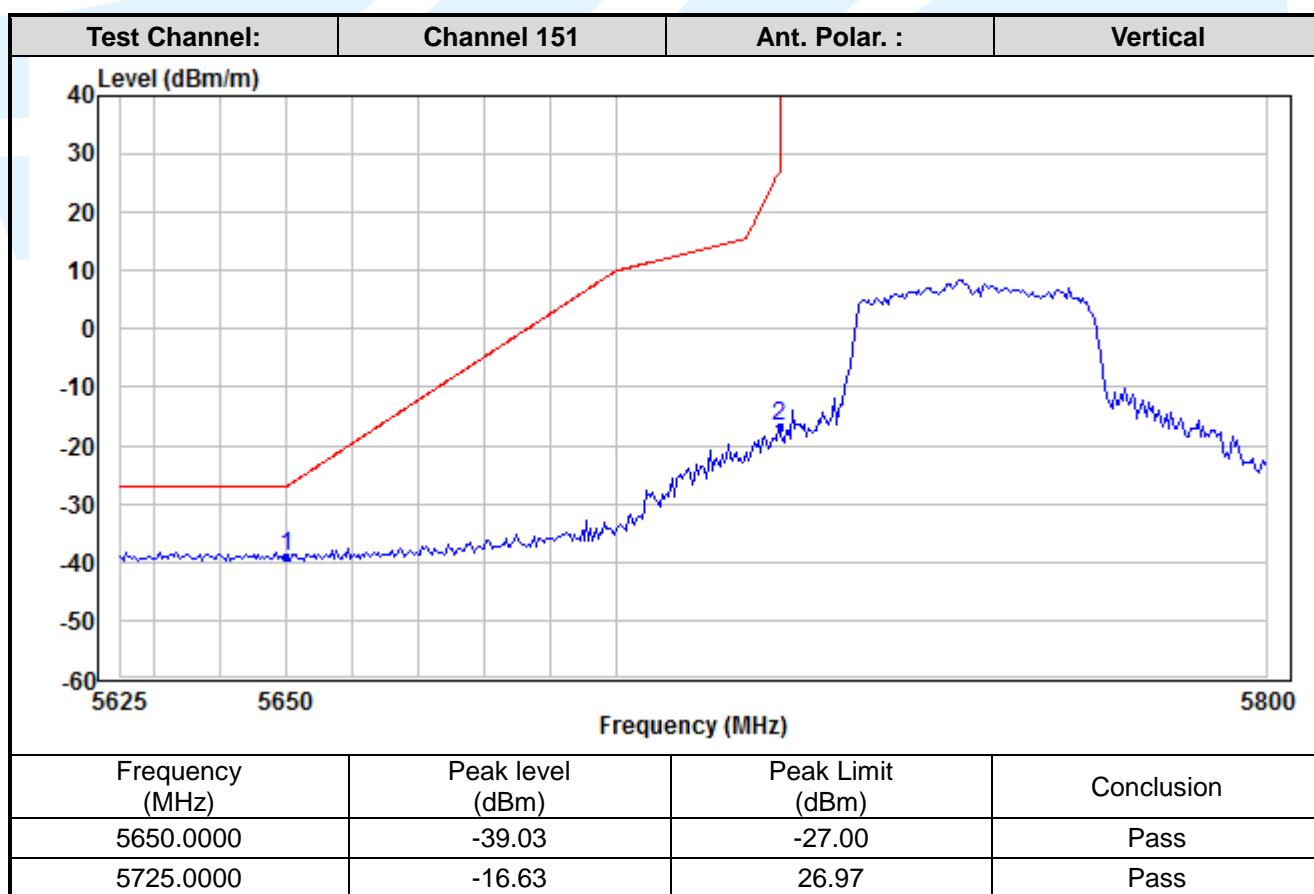
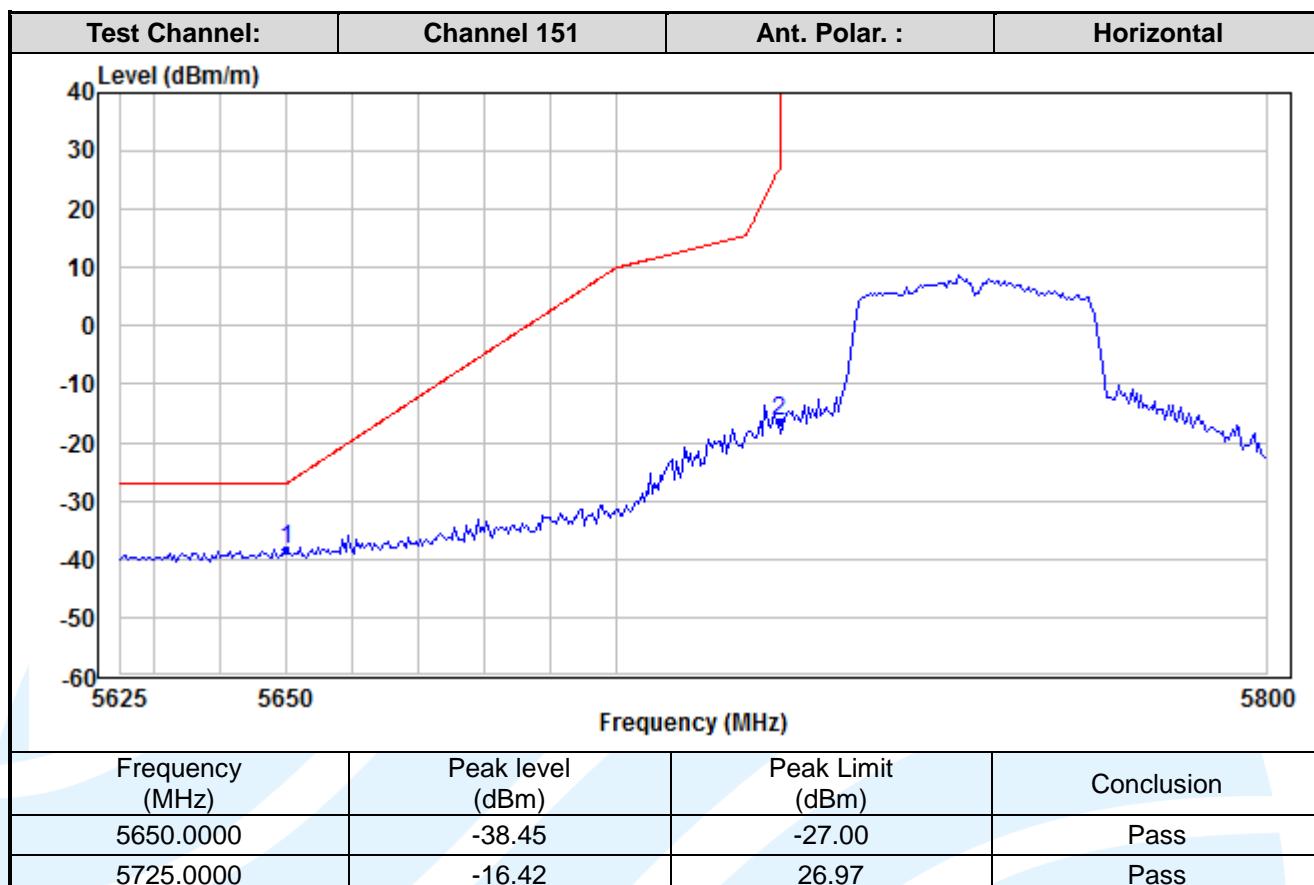
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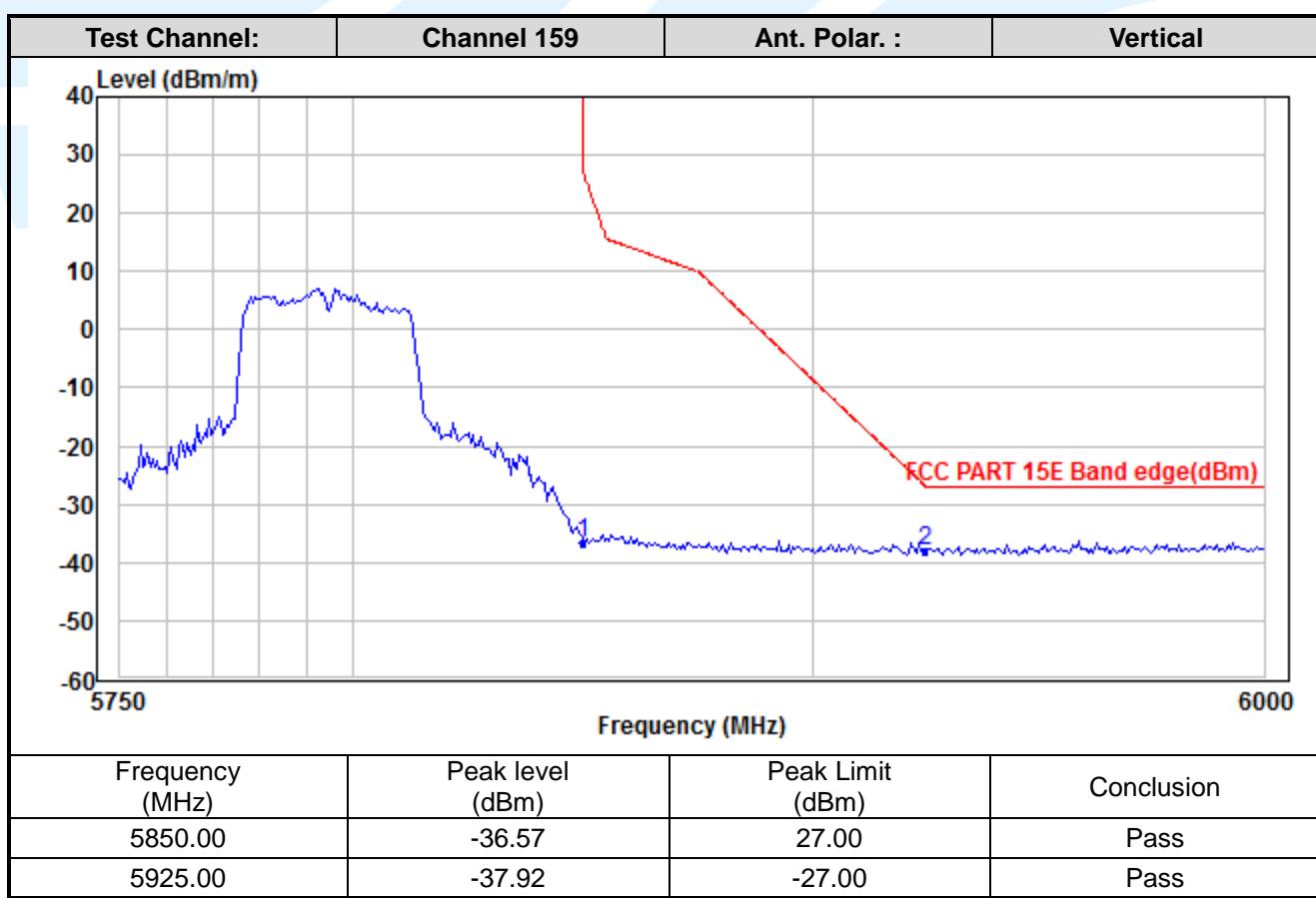
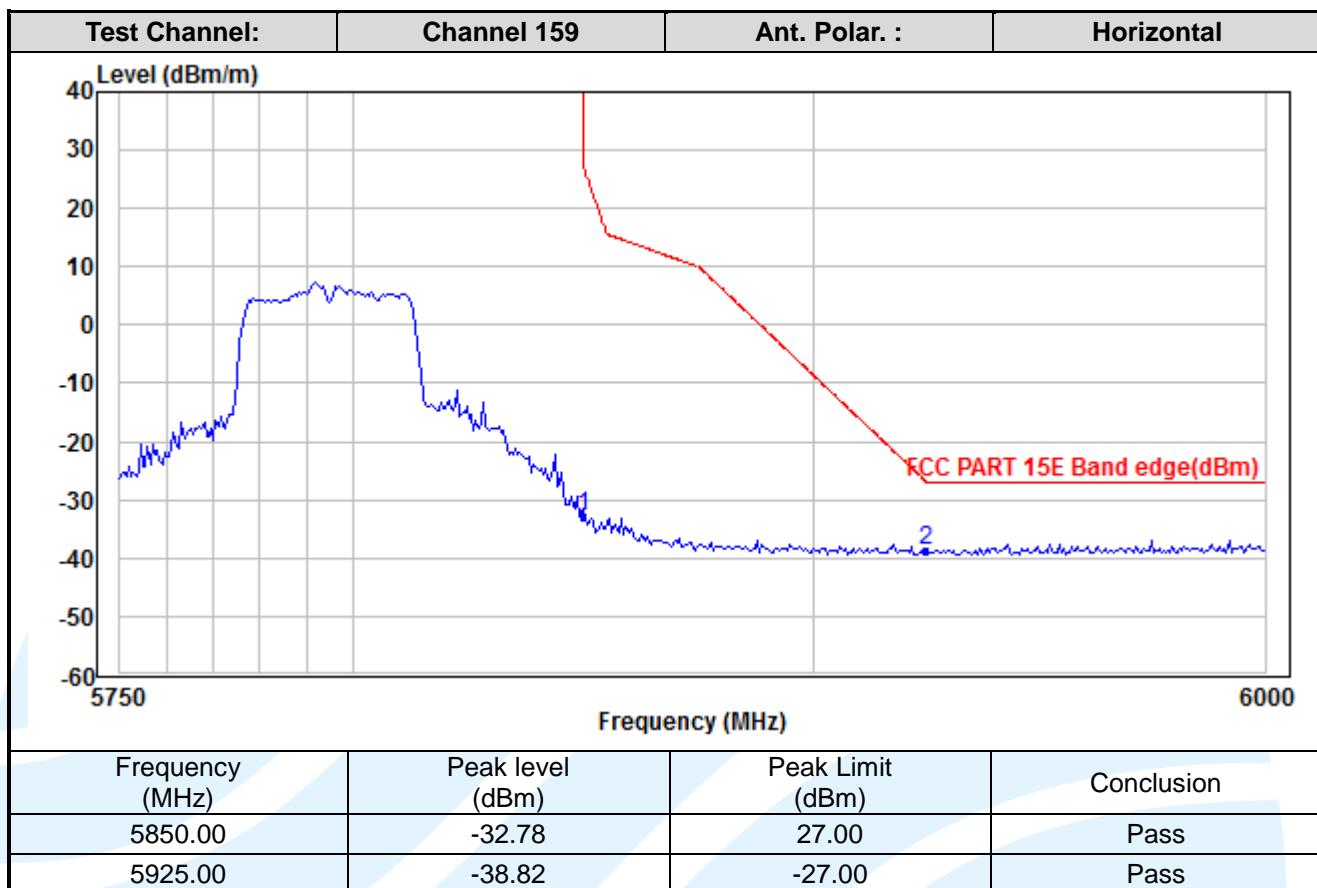
IEEE 802.11n-HT40


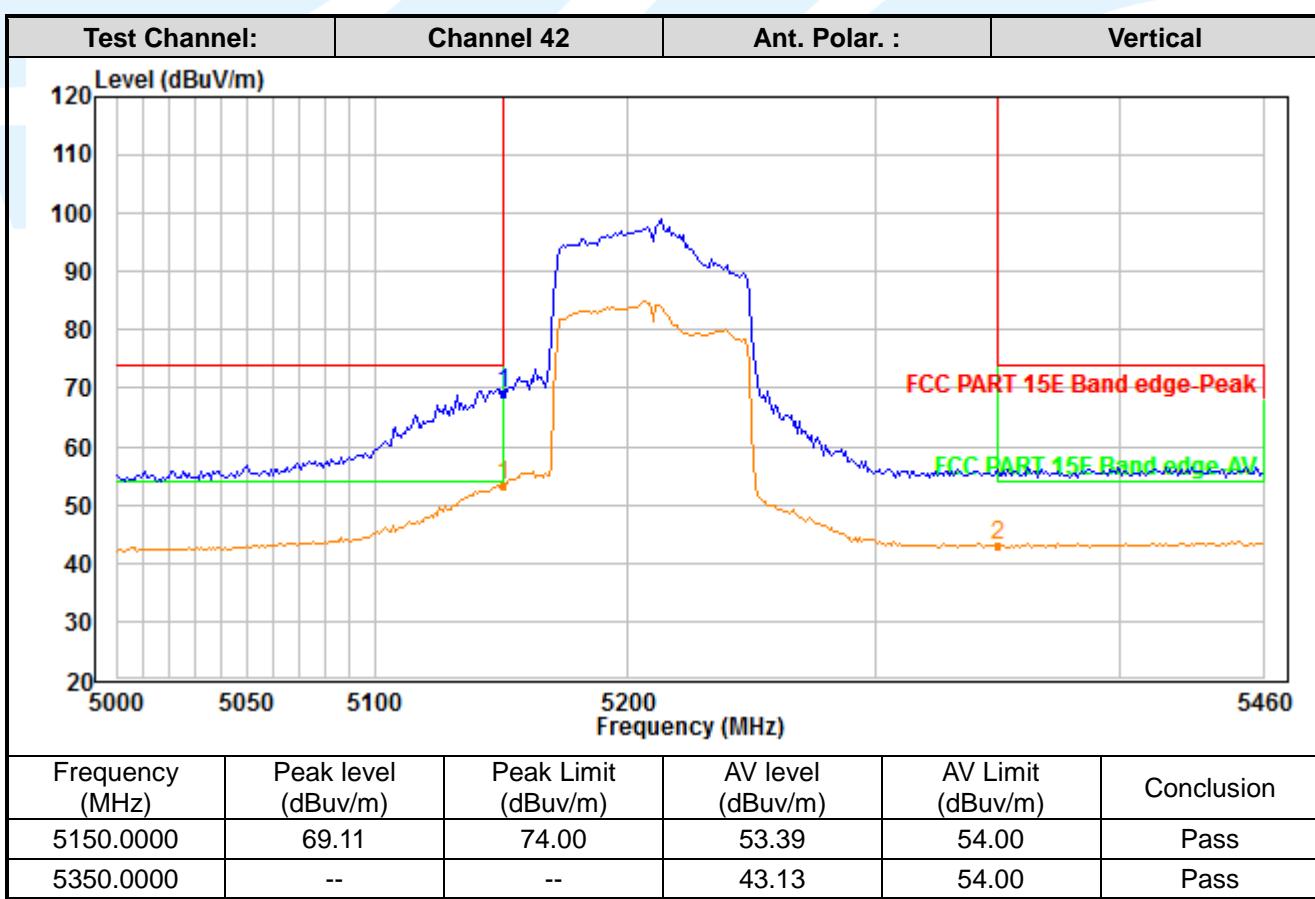
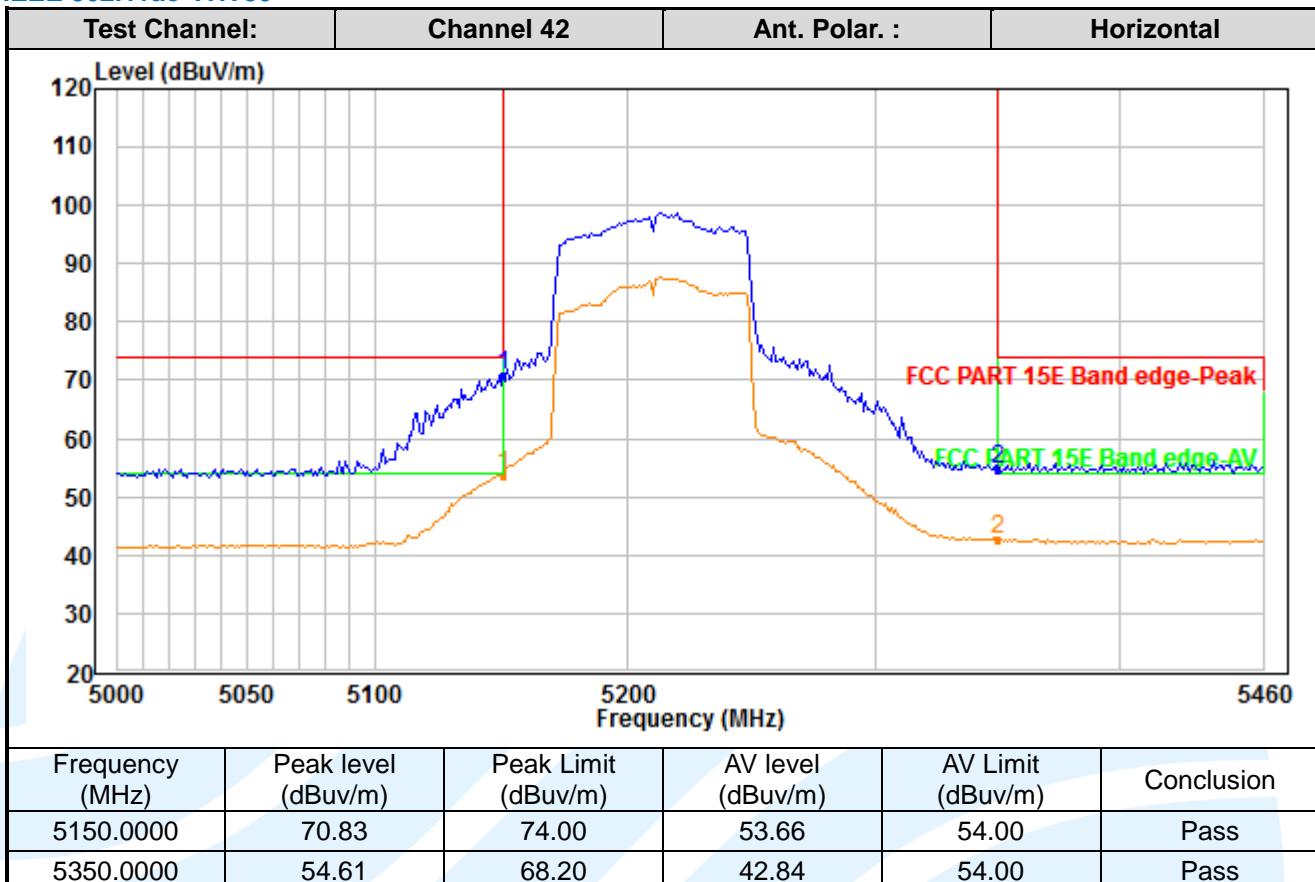










IEEE 802.11ac-VHT80

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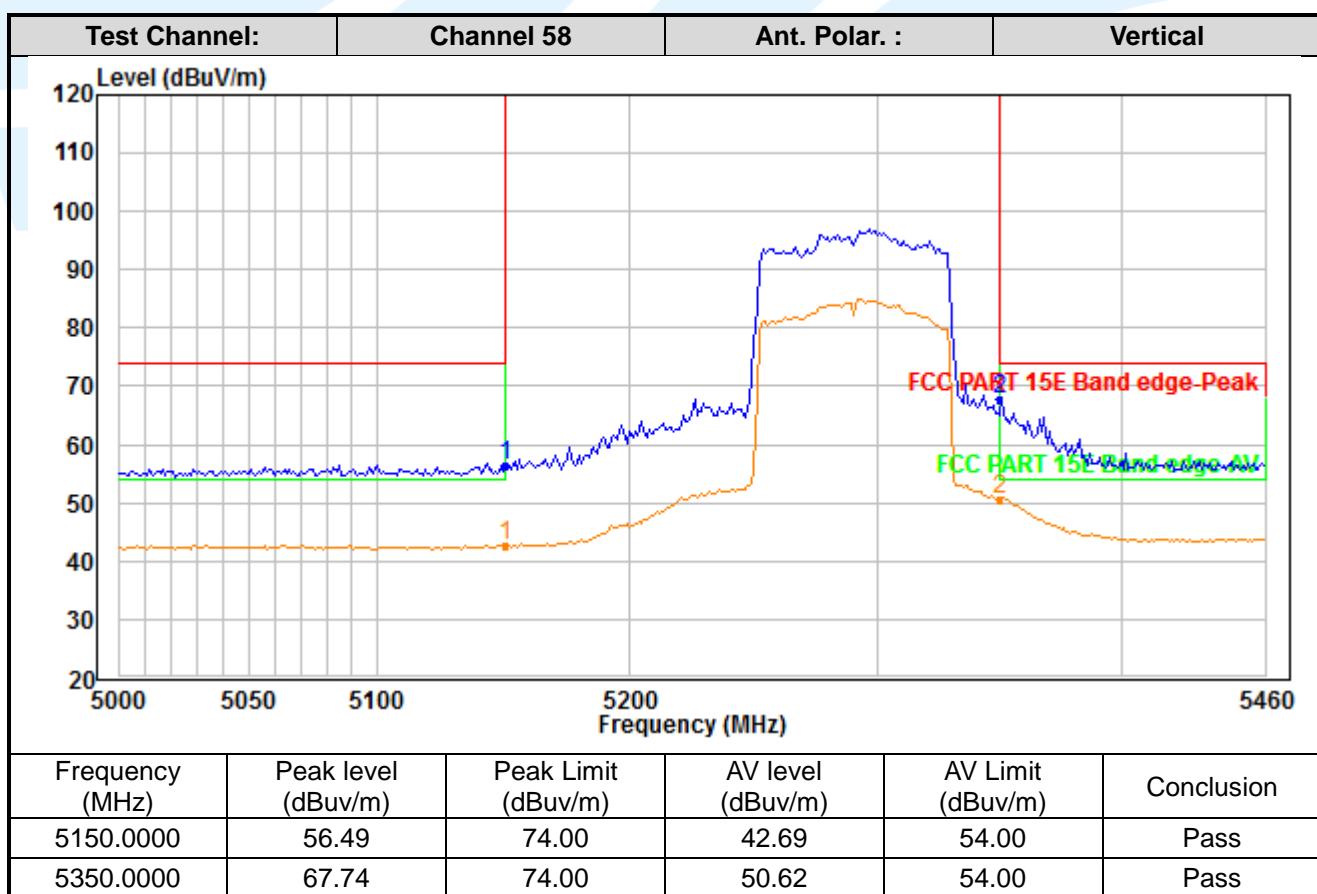
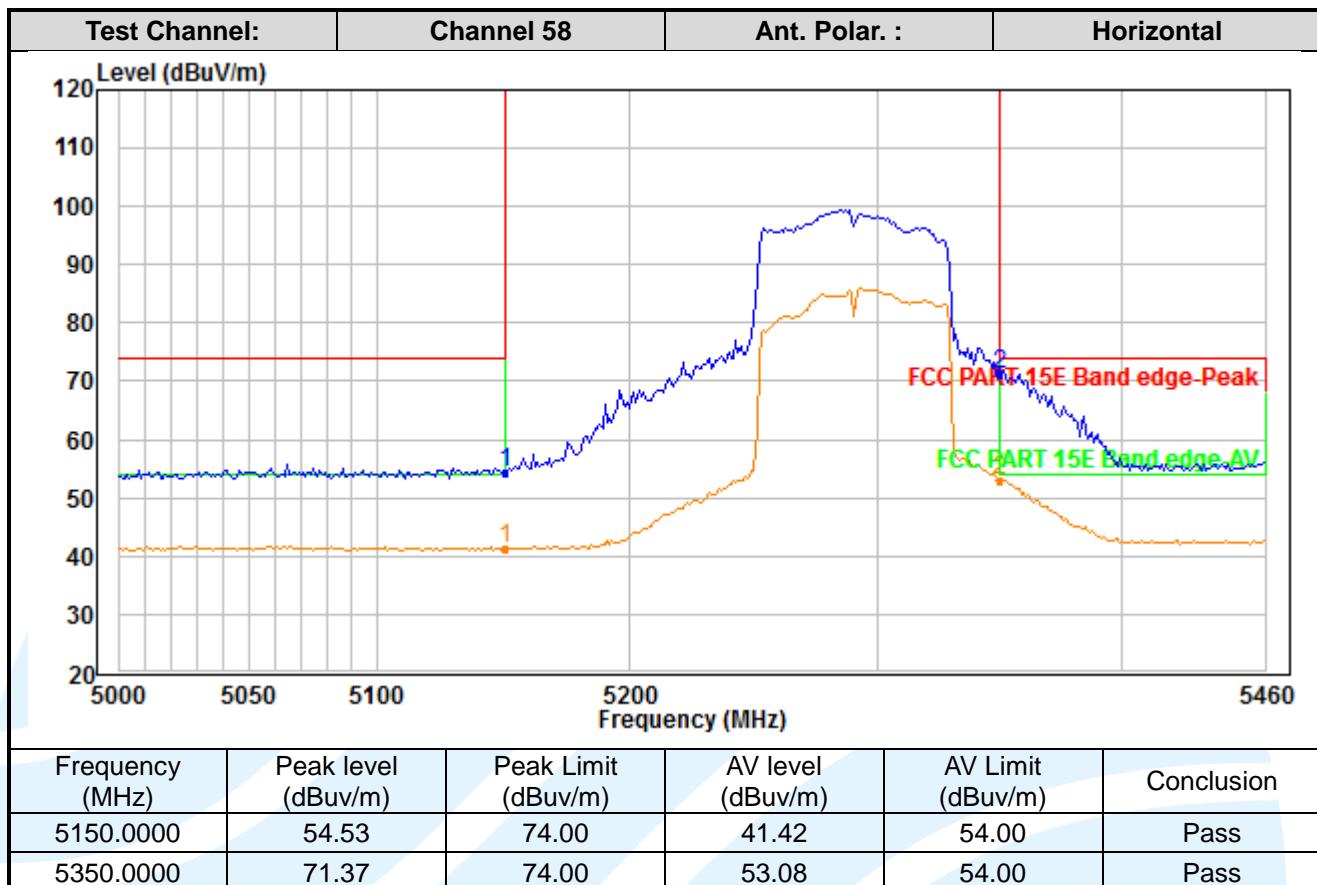
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