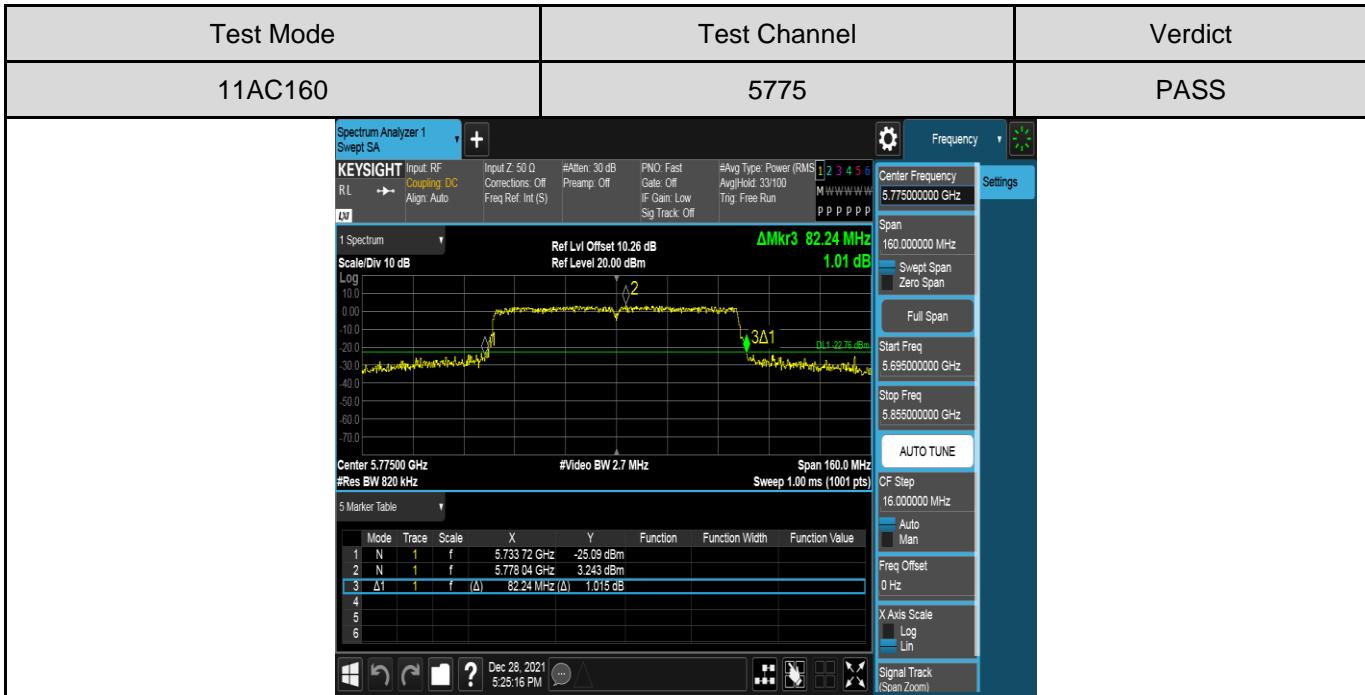
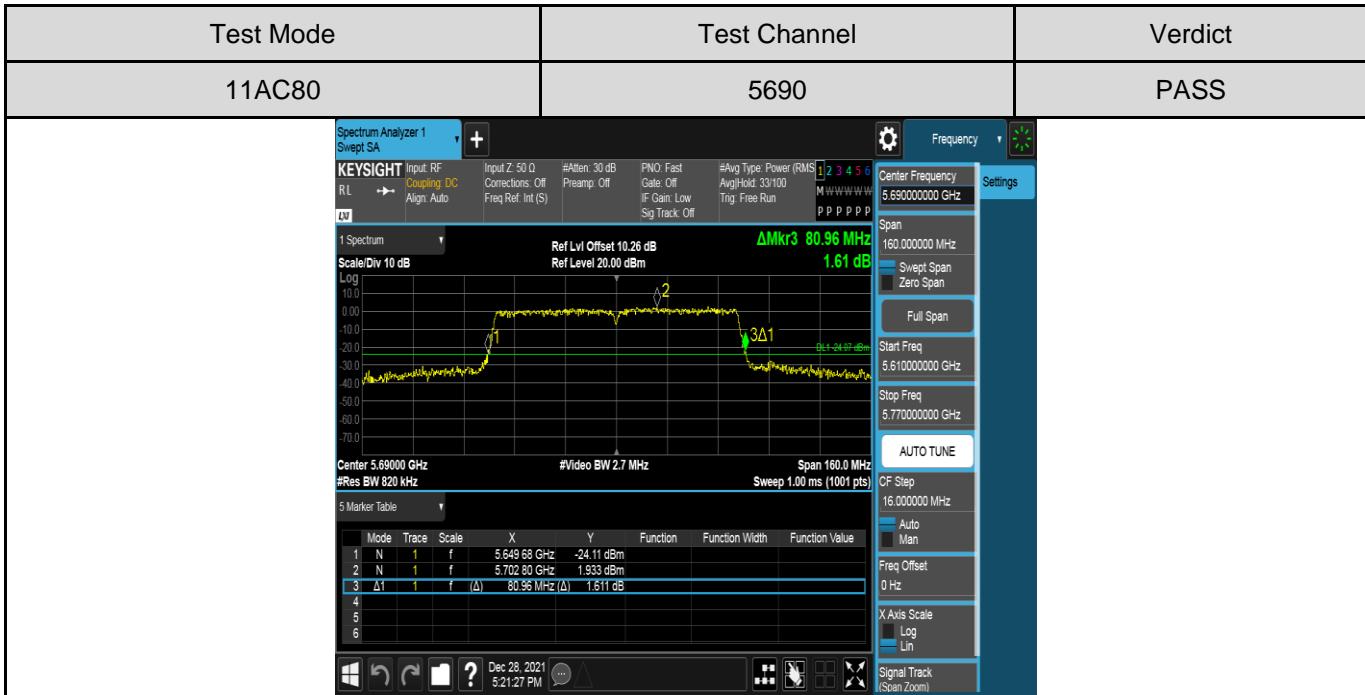


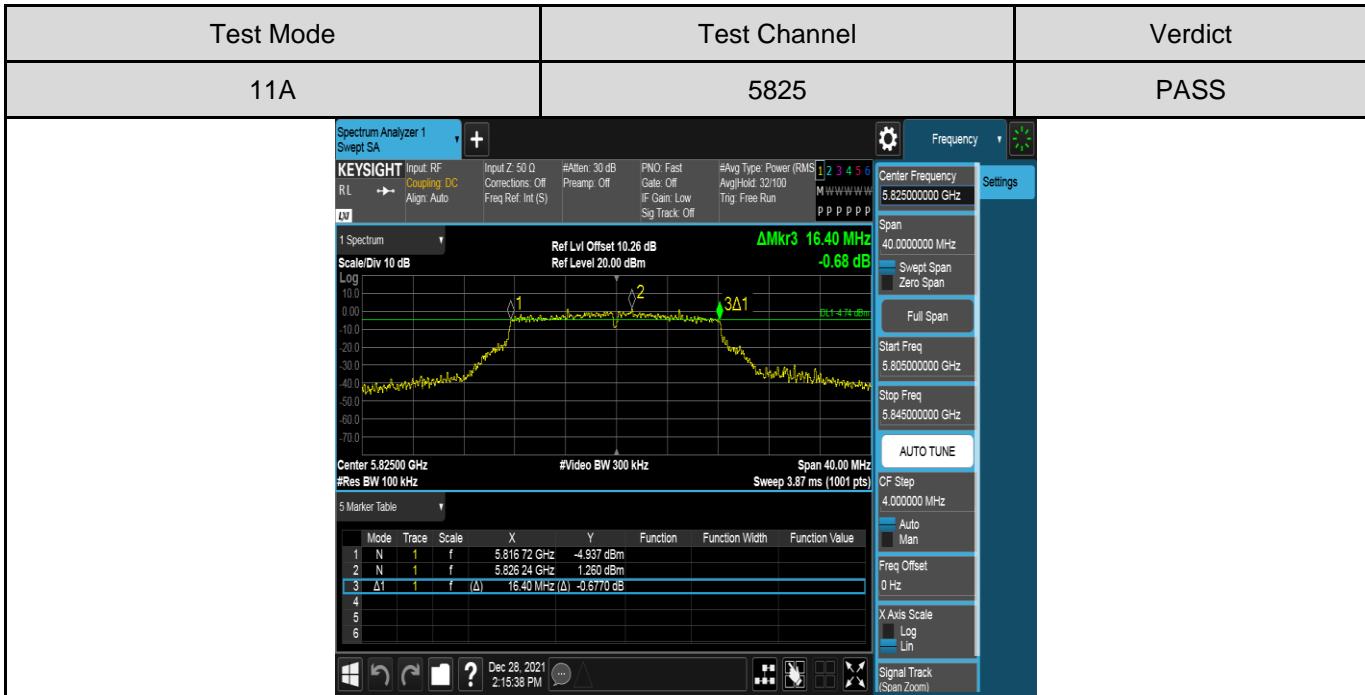
| Test Mode | | Test Channel | | Verdict |
|-----------|--|--------------|--|---------|
| 11AC80 | | 5610 | | PASS |
| | | | | |

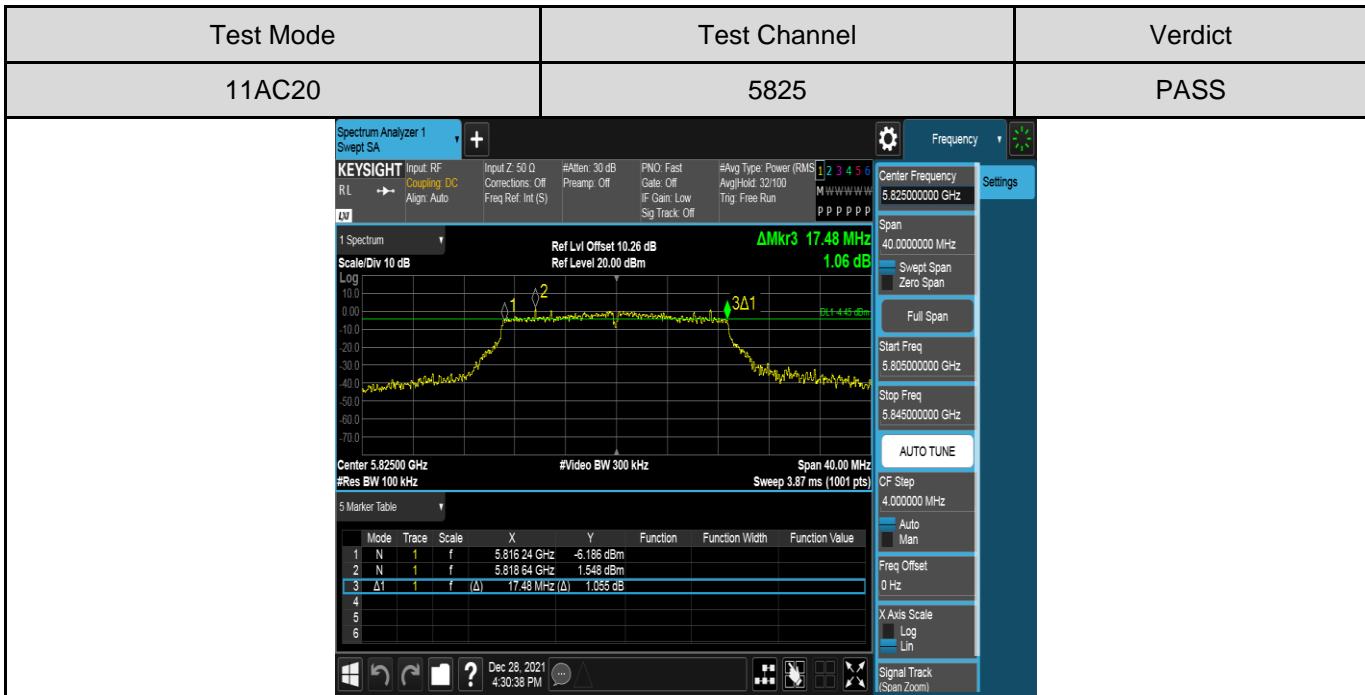


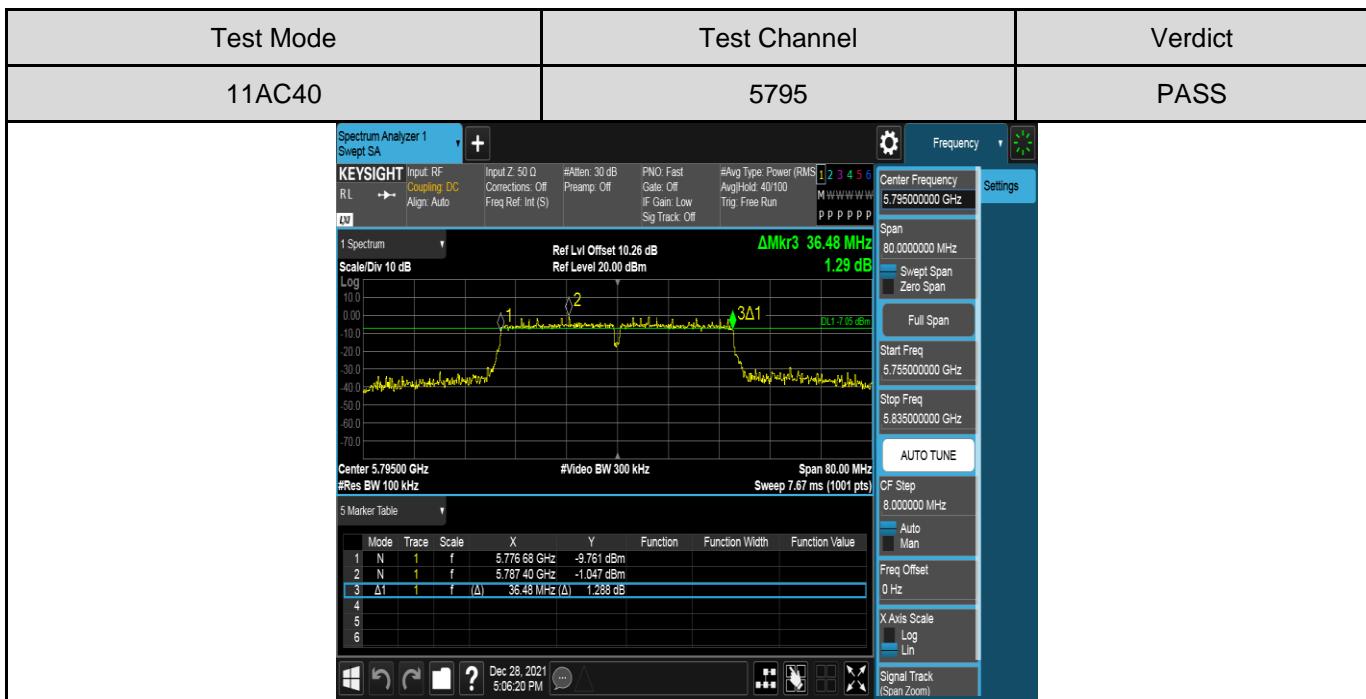
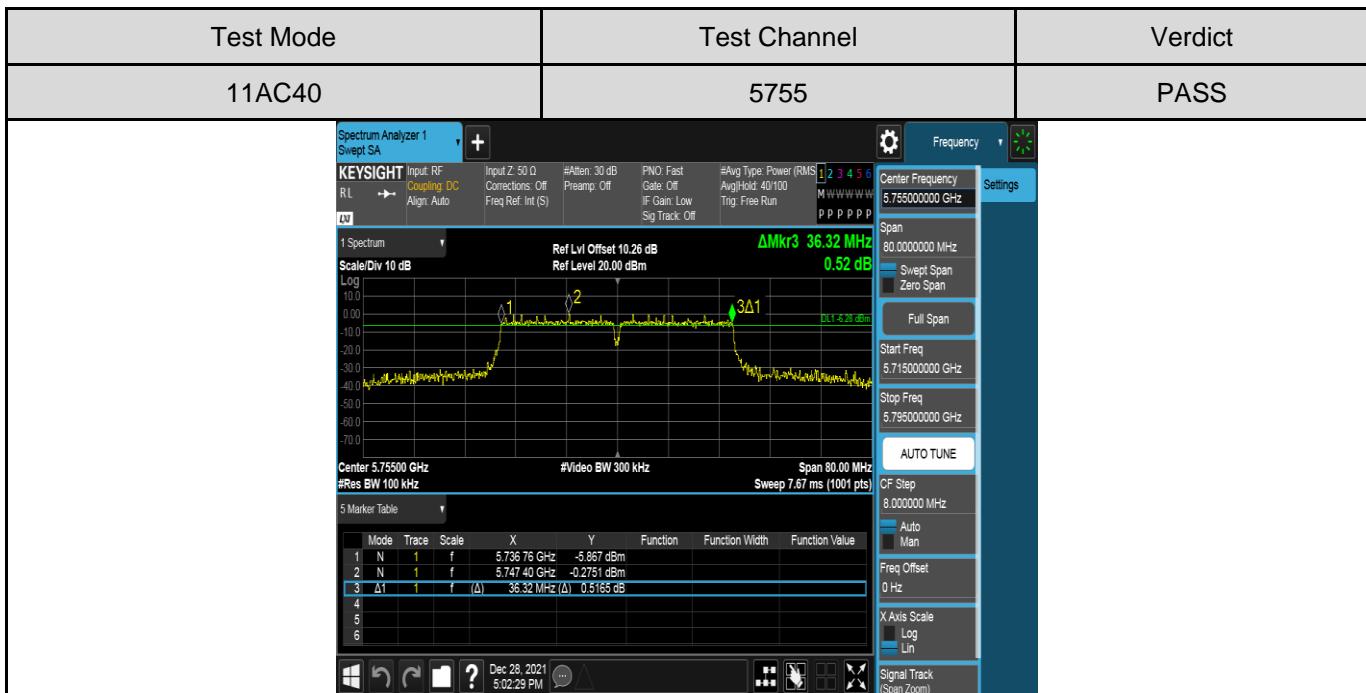
2) For 6 dB Emission Bandwidth Part:

| Test Mode | Test Channel | Verdict |
|--|--------------|---------|
| 11A | 5745 | PASS |
| <p>The screenshot shows a Keysight Spectrum Analyzer 1 interface. The main display shows a spectrum with a reference level offset of 10.26 dB and a measured 6 dB bandwidth of 1.57 dB. The center frequency is 5.74500000 GHz, and the span is 40.00 MHz. The marker table shows three markers: 1 (5.73672 GHz, -4.164 dBm), 2 (5.73744 GHz, 3.237 dBm), and 3Δ1 (15.88 MHz, 1.575 dB). The right side of the screen displays the instrument's settings, including center frequency, span, and various tuning parameters.</p> | | |

| Test Mode | Test Channel | Verdict |
|---|--------------|---------|
| 11A | 5785 | PASS |
| <p>The screenshot shows a Keysight Spectrum Analyzer 1 interface. The main display shows a spectrum with a reference level offset of 10.26 dB and a measured 6 dB bandwidth of -0.27 dB. The center frequency is 5.78500000 GHz, and the span is 40.00 MHz. The marker table shows three markers: 1 (5.77672 GHz, -5.762 dBm), 2 (5.78556 GHz, 0.6923 dBm), and 3Δ1 (16.44 MHz, -0.296 dB). The right side of the screen displays the instrument's settings, including center frequency, span, and various tuning parameters.</p> | | |

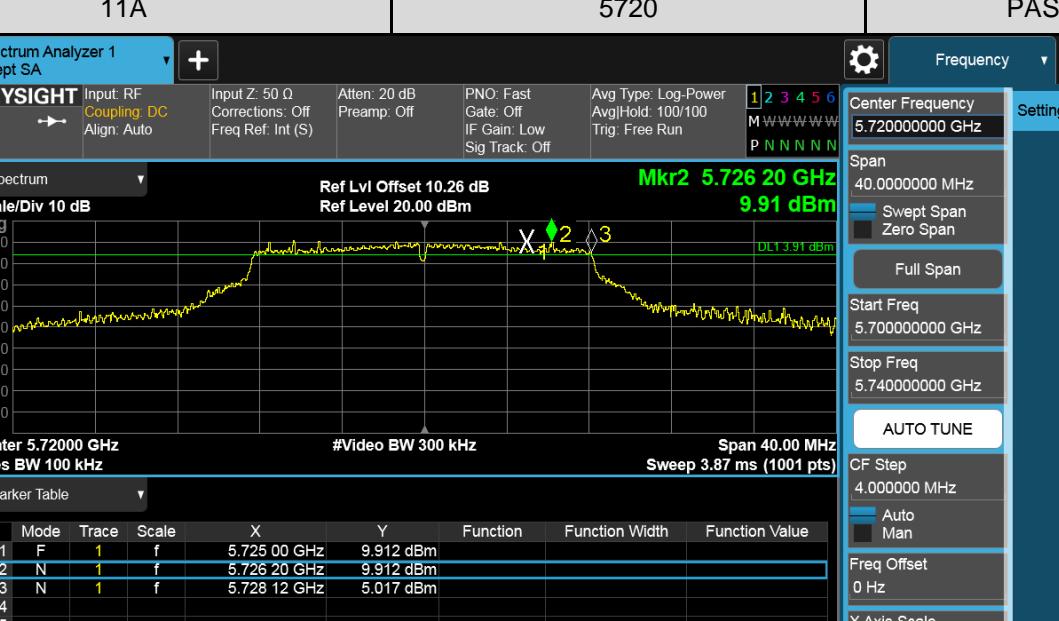






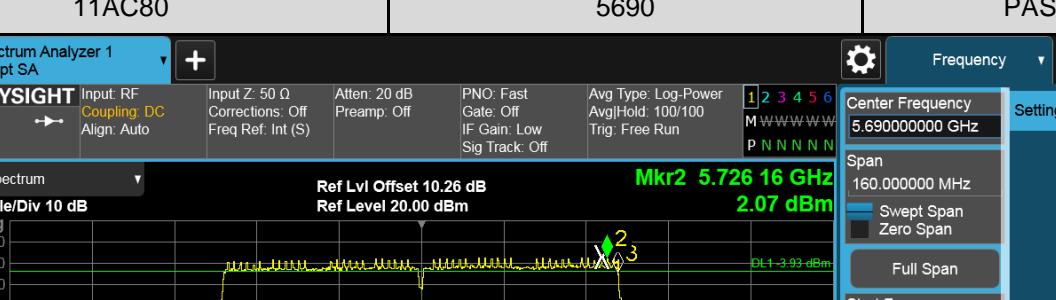
| Test Mode | Test Channel | Verdict |
|-----------|--------------|---------|
| 11AC80 | 5775 | PASS |
| | | |

For UNII-2C Band Part:

| Test Mode | | Test Channel | | Verdict |
|--|--|--------------|--|---------|
| 11A | | 5720 | | PASS |
|  | | | | |

| Test Mode | | | Test Channel | | | Verdict | |
|--|--|--|--------------|--|--|---------|--|
| 11AC | | | 5720 | | | PASS | |
|  | | | | | | | |

| Test Mode | | Test Channel | | Verdict |
|--|--|--------------|--|---------|
| 11AC40 | | 5710 | | PASS |
|  | | | | |

| Test Mode | | Test Channel | | Verdict |
|--|--|--------------|--|---------|
| 11AC80 | | 5690 | | PASS |
|  | | | | |

6.4. MAXIMUM CONDUCTED AVERAGE OUTPUT POWER

LIMITS

| CFR 47 FCC Part15, Subpart E | | |
|------------------------------|---|----------------------------|
| Test Item | Limit | Frequency Range (MHz) |
| Conducted Output Power | <input type="checkbox"/> Outdoor Access Point: 1 W (30 dBm) <input type="checkbox"/> Indoor Access Point: 1 W (30 dBm) <input type="checkbox"/> Fixed Point-To-Point Access Points: 1 W (30 dBm) <input checked="" type="checkbox"/> Client Devices: 250 mW (24 dBm) | 5150 ~ 5250 |
| | Shall not exceed the lesser of 250 mW (24dBm) or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in megahertz. | 5250 ~ 5350 5470 ~ 5725 |
| | Shall not exceed 1 Watt (30 dBm). | 5725 ~ 5850 |

Remark:

The above limits are based upon the maximum antenna gain does not exceed 6 dBi.

If transmitting antennas of directional gain greater than 6 dBi are used, the maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

TEST PROCEDURE

Refer to KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 section II.E.

Method SA-1 (trace averaging with the EUT transmitting at full power throughout each sweep):

- (i) Set span to encompass the entire emission bandwidth (EBW) (or, alternatively, the entire 99% occupied bandwidth) of the signal.
- (ii) Set RBW = 1 MHz.
- (iii) Set VBW \geq 3 MHz.
- (iv) Number of points in sweep $\geq 2 \times$ span / RBW. (This ensures that bin-to-bin spacing is \leq RBW/2, so that narrowband signals are not lost between frequency bins.)
- (v) Sweep time = auto.
- (vi) Detector = power averaging (rms), if available. Otherwise, use sample detector mode.
- (vii) If transmit duty cycle $< 98\%$, use a video trigger with the trigger level set to enable triggering only on full power pulses. Transmitter must operate at maximum power control level for the entire duration of every sweep. If the EUT transmits continuously (i.e., with no off intervals) or at duty cycle $\geq 98\%$, and if each transmission is entirely at the maximum power control level, then the trigger shall be set to "free run."
- (viii) Trace average at least 100 traces in power averaging (rms) mode.
- (ix) Compute power by integrating the spectrum across the EBW (or, alternatively, the entire 99% occupied bandwidth) of the signal using the instrument's band power measurement function with band limits set equal to the EBW (or occupied bandwidth) band edges. If the instrument does not have a band power function, sum the spectrum levels (in power units) at 1 MHz intervals extending across the EBW (or, alternatively, the entire 99% occupied bandwidth) of the spectrum.

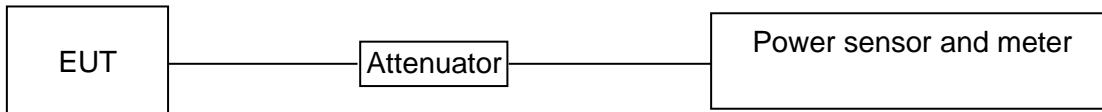
Method PM (Measurement using an RF average power meter):

- (i) Measurements may be performed using a wideband RF power meter with a thermocouple detector or equivalent if all of the following conditions are satisfied:
 - a. The EUT is configured to transmit continuously or to transmit with a constant duty cycle.
 - b. At all times when the EUT is transmitting, it must be transmitting at its maximum power control level.
 - c. The integration period of the power meter exceeds the repetition period of the transmitted signal by at least a factor of five.
- (ii) If the transmitter does not transmit continuously, measure the duty cycle, x, of the transmitter output signal as described in II.B.
- (iii) Measure the average power of the transmitter. This measurement is an average over both the on and off periods of the transmitter.
- (iv) Adjust the measurement in dBm by adding $10 \log (1/x)$ where x is the duty cycle (e.g., $10 \log (1/0.25)$ if the duty cycle is 25%).

Method PM-G (Measurement using a gated RF average power meter):

Measurements may be performed using a wideband gated RF power meter provided that the gate parameters are adjusted such that the power is measured only when the EUT is transmitting at its maximum power control level. Since the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.

Straddle channel power was measured using spectrum analyzer.

TEST SETUP

TEST RESULT TABLE

| Mode | Frequency (MHz) | Average Conducted Output Power-Measurement(dBm) | | Correct Factor (dB) | Average Conducted Output Power-Final (dBm) | | Average Conducted Output Power-Total (dBm) | FCC Conducted Power Limit (dBm) |
|---------|-----------------|---|-------|---------------------|--|-------|--|---------------------------------|
| | | ANT 1 | ANT 2 | | ANT 1 | ANT 2 | | |
| 802.11a | 5180 | 13.68 | 11.81 | 0.32 | 14.00 | 12.13 | / | 24.00 |
| | 5200 | 13.66 | 11.95 | 0.32 | 13.98 | 12.27 | / | 24.00 |
| | 5240 | 13.62 | 12.30 | 0.32 | 13.94 | 12.62 | / | 24.00 |
| | 5260 | 13.69 | 12.65 | 0.32 | 14.01 | 12.97 | / | 24.00 |
| | 5280 | 13.83 | 12.71 | 0.32 | 14.15 | 13.03 | / | 24.00 |
| | 5320 | 13.92 | 12.61 | 0.32 | 14.24 | 12.93 | / | 24.00 |
| | 5500 | 14.36 | 13.32 | 0.32 | 14.68 | 13.64 | / | 24.00 |
| | 5580 | 15.86 | 14.14 | 0.32 | 16.18 | 14.46 | / | 24.00 |
| | 5700 | 16.19 | 14.84 | 0.32 | 16.51 | 15.16 | / | 24.00 |
| | 5720_UNII-2C | 14.78 | 13.41 | 0.32 | 15.10 | 13.73 | / | 24.00 |
| | 5720_UNII-3 | 7.26 | 5.75 | 0.32 | 7.58 | 6.07 | / | 30.00 |
| | 5745 | 15.28 | 14.22 | 0.32 | 15.60 | 14.54 | / | 30.00 |
| | 5785 | 14.40 | 13.97 | 0.32 | 14.72 | 14.29 | / | 30.00 |
| | 5825 | 13.70 | 13.45 | 0.32 | 14.02 | 13.77 | / | 30.00 |

| Mode | Frequency (MHz) | Average Conducted Output Power-Measurement(dBm) | | Correct Factor (dB) | Average Conducted Output Power-Final (dBm) | | Average Conducted Output Power-Total (dBm) | FCC Conducted Power Limit (dBm) |
|----------------|-----------------|---|-------|---------------------|--|-------|--|---------------------------------|
| | | ANT 1 | ANT 2 | | ANT 1 | ANT 2 | | |
| 802.11 ac HT20 | 5180 | 13.55 | 11.81 | 0.36 | 13.91 | 12.17 | 16.14 | 24.00 |
| | 5200 | 13.43 | 11.47 | 0.36 | 13.79 | 11.83 | 15.93 | 24.00 |
| | 5240 | 13.36 | 12.05 | 0.36 | 13.72 | 12.41 | 16.12 | 24.00 |
| | 5260 | 13.64 | 12.44 | 0.36 | 14.00 | 12.80 | 16.45 | 24.00 |
| | 5280 | 13.48 | 12.48 | 0.36 | 13.84 | 12.84 | 16.38 | 24.00 |
| | 5320 | 13.86 | 12.42 | 0.36 | 14.22 | 12.78 | 16.57 | 24.00 |
| | 5500 | 14.46 | 13.15 | 0.36 | 14.82 | 13.51 | 17.22 | 23.51 |
| | 5580 | 15.85 | 14.23 | 0.36 | 16.21 | 14.59 | 18.49 | 23.51 |

| | | | | | | | | |
|-------------------|--------------|-------|-------|------|-------|-------|-------|-------|
| | 5700 | 16.00 | 14.57 | 0.36 | 16.36 | 14.93 | 18.71 | 23.51 |
| | 5720_UNII-2C | 14.57 | 13.23 | 0.36 | 14.93 | 13.59 | 17.32 | 23.51 |
| | 5720_UNII-3 | 7.74 | 6.49 | 0.36 | 8.10 | 6.85 | 10.53 | 30.00 |
| | 5745 | 15.08 | 14.06 | 0.36 | 15.44 | 14.42 | 17.97 | 30.00 |
| | 5785 | 14.37 | 13.68 | 0.36 | 14.73 | 14.04 | 17.41 | 30.00 |
| | 5825 | 13.26 | 12.92 | 0.36 | 13.62 | 13.28 | 16.46 | 30.00 |
| 802.11 ac HT40 | 5190 | 13.56 | 11.66 | 0.60 | 14.16 | 12.26 | 16.32 | 24.00 |
| | 5230 | 13.52 | 12.13 | 0.60 | 14.12 | 12.73 | 16.49 | 24.00 |
| | 5270 | 13.88 | 12.45 | 0.60 | 14.48 | 13.05 | 16.83 | 24.00 |
| | 5310 | 13.88 | 12.33 | 0.60 | 14.48 | 12.93 | 16.78 | 24.00 |
| | 5510 | 14.16 | 12.99 | 0.60 | 14.76 | 13.59 | 17.22 | 23.51 |
| | 5550 | 14.80 | 13.65 | 0.60 | 15.40 | 14.25 | 17.87 | 23.51 |
| | 5670 | 15.80 | 14.84 | 0.60 | 16.40 | 15.44 | 18.96 | 23.51 |
| | 5710_UNII-2C | 15.77 | 14.41 | 0.60 | 16.37 | 15.01 | 18.75 | 23.51 |
| | 5710_UNII-3 | 4.79 | 3.22 | 0.60 | 5.39 | 3.82 | 7.69 | 30.00 |
| | 5755 | 15.24 | 14.30 | 0.60 | 15.84 | 14.90 | 18.41 | 30.00 |
| | 5795 | 14.32 | 13.99 | 0.60 | 14.92 | 14.59 | 17.77 | 30.00 |
| 802.11 ac HT80 | 5210 | 13.94 | 12.09 | 1.19 | 15.13 | 13.28 | 17.31 | 24.00 |
| | 5290 | 13.68 | 12.51 | 1.19 | 14.87 | 13.70 | 17.33 | 24.00 |
| | 5530 | 11.82 | 10.45 | 1.19 | 13.01 | 11.64 | 15.39 | 23.51 |
| | 5610 | 13.15 | 11.67 | 1.19 | 14.34 | 12.86 | 16.67 | 23.51 |
| | 5690_UNII-2C | 13.21 | 11.70 | 1.19 | 14.40 | 12.89 | 16.72 | 23.51 |
| | 5690_UNII-3 | -1.22 | -3.09 | 1.19 | -0.03 | -1.90 | 2.15 | 30.00 |
| | 5775 | 14.60 | 14.19 | 1.19 | 15.79 | 15.38 | 18.60 | 30.00 |

Note:

1. 802.11a does not support MIMO mode.
2. The test results have already included the duty cycle correction factor. About correction factor please refer to section 6.2.
4. SISO mode and MIMO mode use the same power setting, only the worst data is recorded in the report, for more about the antenna gain/directional gain, please refer to clause 5.4.

TEST GRAPHS FOR STRADDLE CHANNELS:
Antenna 1 Part:



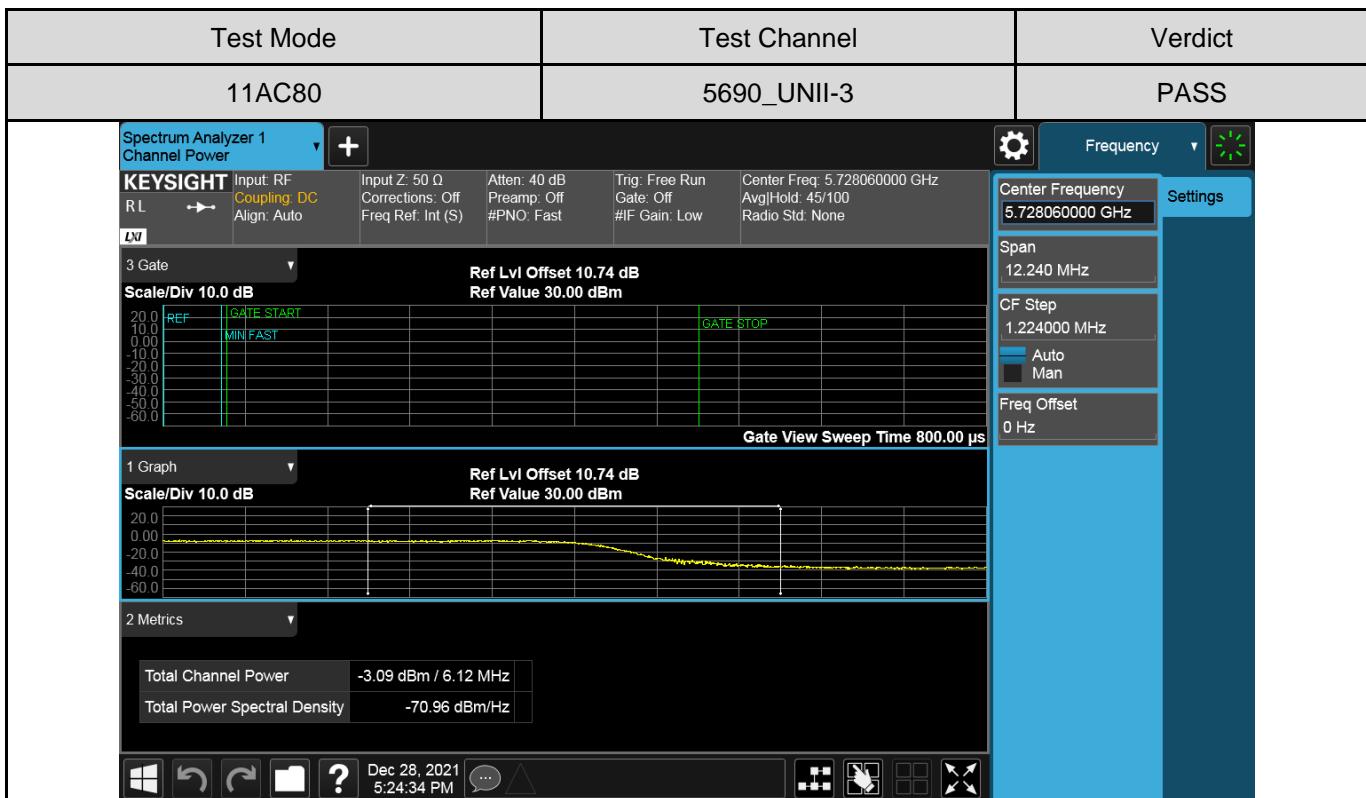





Antenna 2 Part:





6.5. POWER SPECTRAL DENSITY

LIMITS

| CFR 47 FCC Part15, Subpart E | | |
|------------------------------|--|----------------------------|
| Test Item | Limit | Frequency Range (MHz) |
| Power Spectral Density | <input type="checkbox"/> Outdoor Access Point: 17 dBm/MHz <input type="checkbox"/> Indoor Access Point: 17 dBm/MHz <input type="checkbox"/> Fixed Point-To-Point Access Points: 17 dBm/MHz <input checked="" type="checkbox"/> Client Devices: 11 dBm/MHz | 5150 ~ 5250 |
| | 11 dBm/MHz | 5250 ~ 5350 5470 ~ 5725 |
| | 30 dBm/500kHz | 5725 ~ 5850 |

Note:

The above limits are based upon the maximum antenna gain does not exceed 6 dBi.

If transmitting antennas of directional gain greater than 6 dBi are used, maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

TEST PROCEDURE

Refer to KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 section II.F.

Connect the EUT to the spectrum analyser and use the following settings:

For U-NII-1, U-NII-2A and U-NII-2C band:

| | |
|------------------|--|
| Center Frequency | The center frequency of the channel under test |
| Detector | RMS |
| RBW | 1 MHz |
| VBW | $\geq 3 \times$ RBW |
| Span | Encompass the entire emissions bandwidth (EBW) of the signal |
| Trace | Max hold |
| Sweep time | Auto |

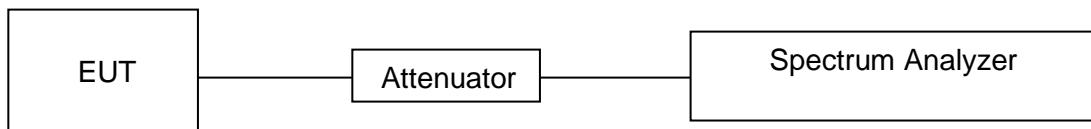
For U-NII-3:

| | |
|------------------|--|
| Center Frequency | The center frequency of the channel under test |
| Detector | RMS |
| RBW | 500 kHz |
| VBW | $\geq 3 \times$ RBW |
| Span | Encompass the entire emissions bandwidth (EBW) of the signal |
| Trace | Max hold |
| Sweep time | Auto |

Allow trace to fully stabilize and Use the peak search function on the instrument to find the peak of the spectrum and record its value.

Add $10 \log (1/x)$, where x is the duty cycle, to the peak of the spectrum, the result is the Maximum PSD over 1 MHz / 500 kHz reference bandwidth.

TEST SETUP



RESULTS

| Test Mode | Antenna | Channel | Power [dBm/MHz] | Factor1 (Remark 5) | Factor2 (Remark 5) | Final Power [dBm/MHz] | Limit [dBm/MHz] | Verdict |
|------------|---------|---------|--------------------|-----------------------|-----------------------|-----------------------------|--------------------|---------|
| 11A | Ant1 | 5180 | 4.422 | / | / | 4.422 | <=11 | PASS |
| | Ant2 | | 2.177 | / | / | 2.177 | <=11 | PASS |
| | Ant1 | 5200 | 4.199 | / | / | 4.199 | <=11 | PASS |
| | Ant2 | | 2.520 | / | / | 2.520 | <=11 | PASS |
| | Ant1 | 5240 | 4.243 | / | / | 4.243 | <=11 | PASS |
| | Ant2 | | 3.308 | / | / | 3.308 | <=11 | PASS |
| | Ant1 | 5260 | 3.858 | / | / | 3.858 | <=11 | PASS |
| | Ant2 | | 3.054 | / | / | 3.054 | <=11 | PASS |
| | Ant1 | 5280 | 3.744 | / | / | 3.744 | <=11 | PASS |
| | Ant2 | | 2.809 | / | / | 2.809 | <=11 | PASS |
| | Ant1 | 5320 | 4.744 | / | / | 4.744 | <=11 | PASS |
| | Ant2 | | 2.987 | / | / | 2.987 | <=11 | PASS |
| | Ant1 | 5500 | 4.671 | / | / | 4.671 | <=11 | PASS |
| | Ant2 | | 3.223 | / | / | 3.223 | <=11 | PASS |
| | Ant1 | 5580 | 6.417 | / | / | 6.417 | <=11 | PASS |
| | Ant2 | | 4.228 | / | / | 4.228 | <=11 | PASS |
| | Ant1 | 5700 | 6.847 | / | / | 6.847 | <=11 | PASS |
| | Ant2 | | 4.667 | / | / | 4.667 | <=11 | PASS |
| | Ant1 | 5720_ | 6.529 | / | / | 6.529 | <=11 | PASS |
| | Ant2 | | 4.686 | / | / | 4.686 | <=11 | PASS |
| | Ant1 | 5720_ | 0.667 | / | 2.218 | 2.885 | <=30 | PASS |
| | Ant2 | | -0.191 | / | 2.218 | 2.027 | <=30 | PASS |
| | Ant1 | 5745 | 3.157 | / | 2.218 | 5.375 | <=30 | PASS |
| | Ant2 | | 1.445 | / | 2.218 | 3.663 | <=30 | PASS |
| | Ant1 | 5785 | 2.411 | / | 2.218 | 4.629 | <=30 | PASS |
| | Ant2 | | 1.618 | / | 2.218 | 3.836 | <=30 | PASS |
| | Ant1 | 5825 | 1.822 | / | 2.218 | 4.040 | <=30 | PASS |
| | Ant2 | | 0.336 | / | 2.218 | 2.554 | <=30 | PASS |
| 11AC20MIMO | Ant1 | 5180 | 4.121 | 0.04 | / | 4.125 | <=11 | PASS |
| | Ant2 | | 2.102 | 0.04 | / | 2.106 | <=11 | PASS |
| | total | | 6.24 | / | / | 6.242 | <=11 | PASS |
| | Ant1 | 5200 | 3.947 | 0.04 | / | 3.951 | <=11 | PASS |
| | Ant2 | | 1.516 | 0.04 | / | 1.520 | <=11 | PASS |
| | total | | 5.91 | / | / | 5.914 | <=11 | PASS |
| | Ant1 | 5240 | 3.863 | 0.04 | / | 3.867 | <=11 | PASS |
| | Ant2 | | 1.940 | 0.04 | / | 1.944 | <=11 | PASS |
| | total | | 6.02 | / | / | 6.021 | <=11 | PASS |
| | Ant1 | 5260 | 3.463 | 0.04 | / | 3.467 | <=11 | PASS |
| | Ant2 | | 2.793 | 0.04 | / | 2.797 | <=11 | PASS |
| | total | | 6.15 | / | / | 6.154 | <=11 | PASS |
| | Ant1 | 5280 | 3.920 | 0.04 | / | 3.924 | <=11 | PASS |
| | Ant2 | | 3.664 | 0.04 | / | 3.668 | <=11 | PASS |
| | total | | 6.80 | / | / | 6.808 | <=11 | PASS |
| | Ant1 | 5320 | 4.235 | 0.04 | / | 4.239 | <=11 | PASS |
| | Ant2 | | 2.832 | 0.04 | / | 2.836 | <=11 | PASS |
| | total | | 6.60 | / | / | 6.604 | <=11 | PASS |
| | Ant1 | 5500 | 4.801 | 0.04 | / | 4.805 | <=11 | PASS |
| | Ant2 | | 2.735 | 0.04 | / | 2.739 | <=11 | PASS |
| | total | | 6.90 | / | / | 6.904 | <=10.51 | PASS |
| | Ant1 | 5580 | 5.587 | 0.04 | / | 5.591 | <=11 | PASS |
| | Ant2 | | 3.597 | 0.04 | / | 3.601 | <=11 | PASS |
| | total | | 7.715 | / | / | 7.719 | <=10.51 | PASS |
| | Ant1 | 5700 | 6.748 | 0.04 | / | 6.752 | <=11 | PASS |
| | Ant2 | | 4.306 | 0.04 | / | 4.310 | <=11 | PASS |

Form-ULID-008536-8 V1.0

UL-CCIC COMPANY LIMITED

This report shall not be reproduced except in full, without the written approval of UL-CCIC COMPANY LIMITED.

| | | | | | | | | |
|------------|-------|-----------------|--------|------|-------|--------|---------|------|
| | total | | 8.71 | / | / | 8.711 | <=10.51 | PASS |
| | Ant1 | 5720 UNII-2C | 5.690 | 0.04 | / | 5.694 | <=11 | PASS |
| | Ant2 | | 4.981 | 0.04 | / | 4.985 | <=11 | PASS |
| | total | | 8.36 | / | / | 8.364 | <=10.51 | PASS |
| | Ant1 | 5720 UNII-3 | 0.895 | 0.04 | 2.218 | 3.117 | <=30 | PASS |
| | Ant2 | | -0.617 | 0.04 | 2.218 | 1.606 | <=30 | PASS |
| | total | | 3.21 | / | / | 5.437 | <=30 | PASS |
| | Ant1 | 5745 | 3.313 | 0.04 | 2.218 | 5.535 | <=30 | PASS |
| | Ant2 | | 1.382 | 0.04 | 2.218 | 3.604 | <=30 | PASS |
| | total | | 5.46 | / | / | 7.686 | <=30 | PASS |
| | Ant1 | 5785 | 1.881 | 0.04 | 2.218 | 4.103 | <=30 | PASS |
| | Ant2 | | 1.774 | 0.04 | 2.218 | 3.996 | <=30 | PASS |
| | total | | 4.84 | / | / | 7.060 | <=30 | PASS |
| | Ant1 | 5825 | 1.693 | 0.04 | 2.218 | 3.915 | <=30 | PASS |
| | Ant2 | | 0.527 | 0.04 | 2.218 | 2.749 | <=30 | PASS |
| | total | | 4.16 | / | / | 6.381 | <=30 | PASS |
| 11AC40MIMO | Ant1 | 5190 | -0.232 | / | / | -0.232 | <=11 | PASS |
| | Ant2 | | -2.222 | / | / | -2.222 | <=11 | PASS |
| | total | | 1.90 | / | / | 1.90 | <=11 | PASS |
| | Ant1 | 5230 | 0.035 | / | / | 0.035 | <=11 | PASS |
| | Ant2 | | -1.601 | / | / | -1.601 | <=11 | PASS |
| | total | | 2.30 | / | / | 2.30 | <=11 | PASS |
| | Ant1 | 5270 | 0.219 | / | / | 0.219 | <=11 | PASS |
| | Ant2 | | -0.982 | / | / | -0.982 | <=11 | PASS |
| | total | | 2.67 | / | / | 2.67 | <=11 | PASS |
| | Ant1 | 5310 | 0.531 | / | / | 0.531 | <=11 | PASS |
| | Ant2 | | -1.192 | / | / | -1.192 | <=11 | PASS |
| | total | | 2.76 | / | / | 2.76 | <=11 | PASS |
| | Ant1 | 5510 | 1.082 | / | / | 1.082 | <=11 | PASS |
| | Ant2 | | -0.957 | / | / | -0.957 | <=11 | PASS |
| | total | | 3.19 | / | / | 3.19 | <=10.51 | PASS |
| | Ant1 | 5550 | 1.247 | / | / | 1.247 | <=11 | PASS |
| | Ant2 | | 0.134 | / | / | 0.134 | <=11 | PASS |
| | total | | 3.74 | / | / | 3.74 | <=10.51 | PASS |
| | Ant1 | 5670 | 1.977 | / | / | 1.977 | <=11 | PASS |
| | Ant2 | | 0.985 | / | / | 0.985 | <=11 | PASS |
| | total | | 4.52 | / | / | 4.52 | <=10.51 | PASS |
| | Ant1 | 5710 UNII-2C | 2.632 | / | / | 2.632 | <=11 | PASS |
| | Ant2 | | 0.543 | / | / | 0.543 | <=11 | PASS |
| | total | | 4.72 | / | / | 4.72 | <=10.51 | PASS |
| | Ant1 | 5710 UNII-3 | -0.670 | / | 2.218 | 1.548 | <=30 | PASS |
| | Ant2 | | -1.821 | / | 2.218 | 0.397 | <=30 | PASS |
| | total | | 1.80 | / | / | 4.02 | <=30 | PASS |
| | Ant1 | 5755 | -1.423 | / | 2.218 | 0.795 | <=30 | PASS |
| | Ant2 | | -2.773 | / | 2.218 | -0.555 | <=30 | PASS |
| | total | | 0.96 | / | / | 3.18 | <=30 | PASS |
| | Ant1 | 5795 | -1.661 | / | 2.218 | 0.557 | <=30 | PASS |
| | Ant2 | | -2.573 | / | 2.218 | -0.355 | <=30 | PASS |
| | total | | 0.92 | / | / | 3.14 | <=30 | PASS |
| 11AC80MIMO | Ant1 | 5210 | -2.365 | / | / | -2.365 | <=11 | PASS |
| | Ant2 | | -4.107 | / | / | -4.107 | <=11 | PASS |
| | total | | -0.14 | / | / | -0.14 | <=11 | PASS |
| | Ant1 | 5290 | -2.856 | / | / | -2.856 | <=11 | PASS |
| | Ant2 | | -3.873 | / | / | -3.873 | <=11 | PASS |
| | total | | -0.32 | / | / | -0.32 | <=11 | PASS |
| | Ant1 | 5530 | -4.798 | / | / | -4.798 | <=11 | PASS |
| | Ant2 | | -5.679 | / | / | -5.679 | <=11 | PASS |
| | total | | -2.21 | / | / | -2.21 | <=10.51 | PASS |
| | Ant1 | 5610 | -3.182 | / | / | -3.182 | <=11 | PASS |
| | Ant2 | | -4.983 | / | / | -4.983 | <=11 | PASS |

| | | | | | | | | |
|--|-------|-----------------|--------|---|-------|--------|---------|------|
| | total | | -0.98 | / | / | -0.98 | <=10.51 | PASS |
| | Ant1 | 5690 UNII-2C | -3.368 | / | / | -3.368 | <=11 | PASS |
| | Ant2 | | -5.197 | / | / | -5.197 | <=11 | PASS |
| | total | | -1.18 | / | / | -1.18 | <=10.51 | PASS |
| | Ant1 | 5690 UNII-3 | -6.501 | / | 2.218 | -4.283 | <=30 | PASS |
| | Ant2 | | -8.623 | / | 2.218 | -6.405 | <=30 | PASS |
| | total | | -4.42 | / | / | -2.21 | <=30 | PASS |
| | Ant1 | 5775 | -4.687 | / | 2.218 | -2.469 | <=30 | PASS |
| | Ant2 | | -5.166 | / | 2.218 | -2.948 | <=30 | PASS |
| | total | | -1.91 | / | / | 0.31 | <=30 | PASS |

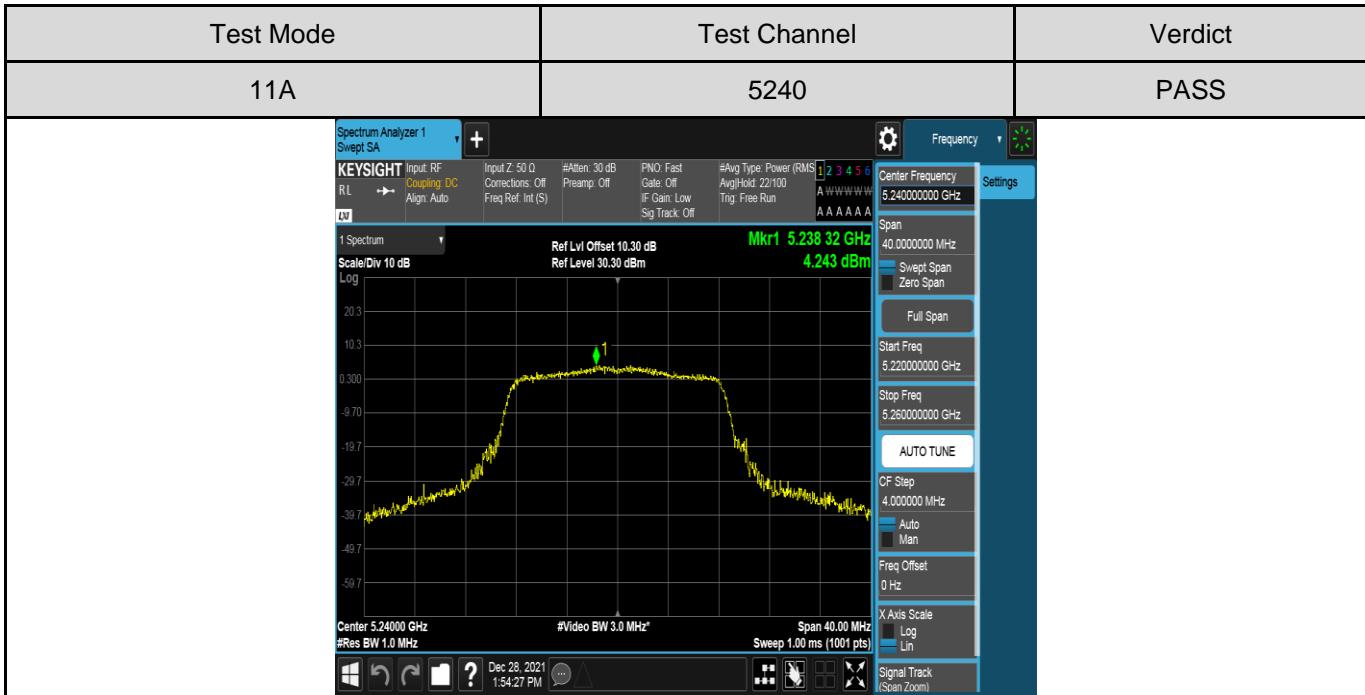
Remark :

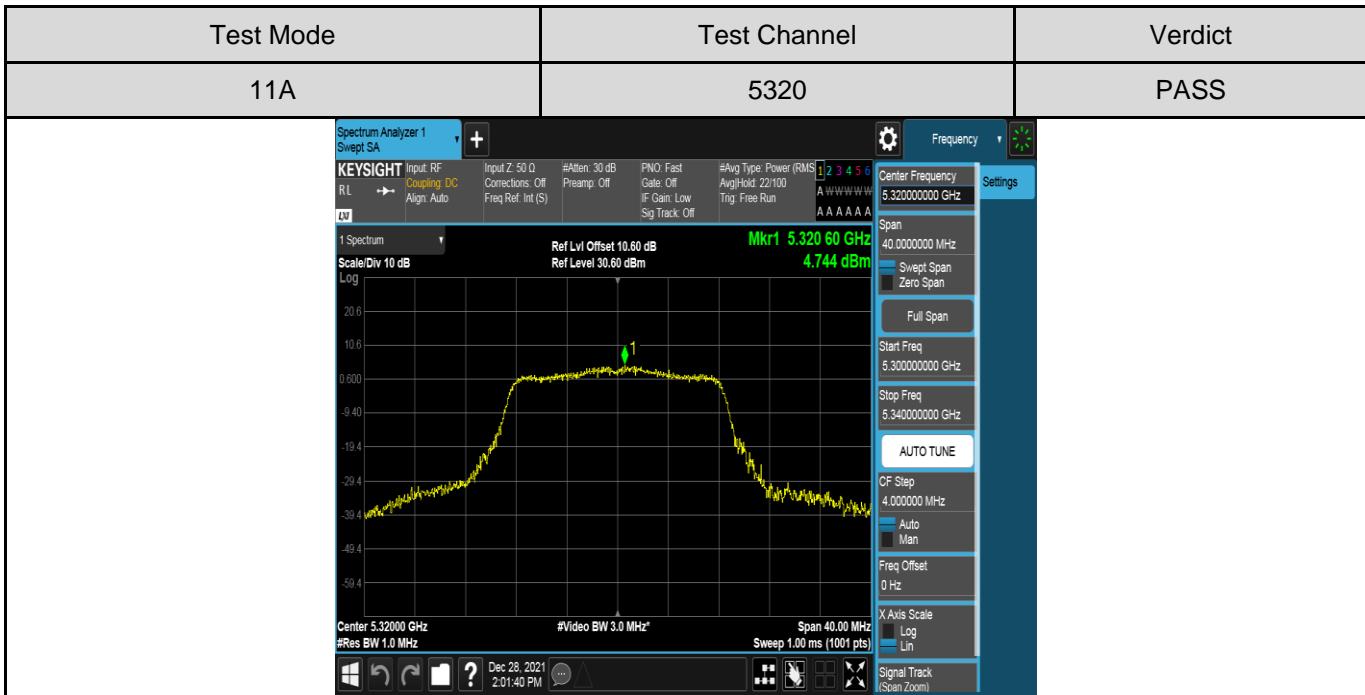
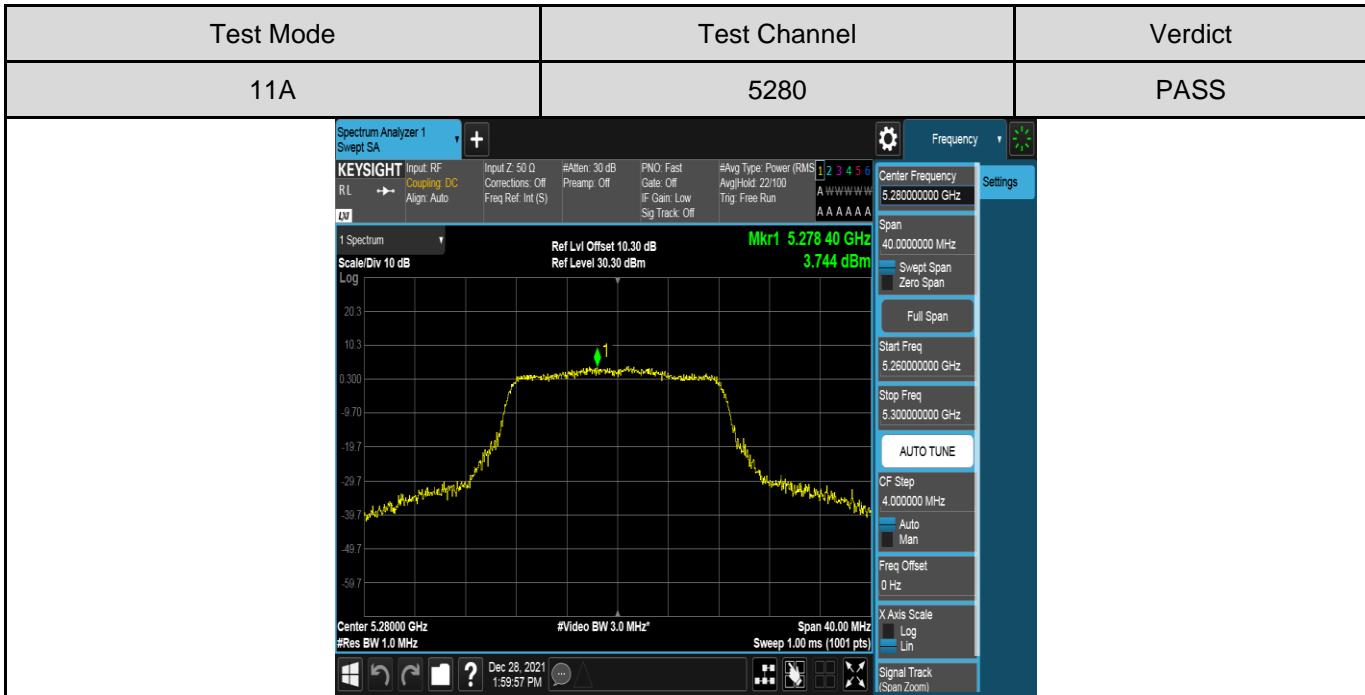
1. The Result and Limit Unit is dBm/500 kHz in the band 5.725 ~ 5.85 GHz.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. For 802.11a mode, both the two antennas had been tested, but only the worst data was recorded in the report.
4. All the modes had been teste, but only the worst data was recorded in the report.
5. Correct the duty cycle factor of 11AC20 mode from 0.32dB to 0.36 dB, so there is an additional 0.04dB revision factor added to test results of 11AC20 mode.
6. UNII-3 Band PSD testing set RBW=300kHz for testing, so the final result needs to add additional RBW factor= $10\log(500/300)$ dB=2.218 dB.

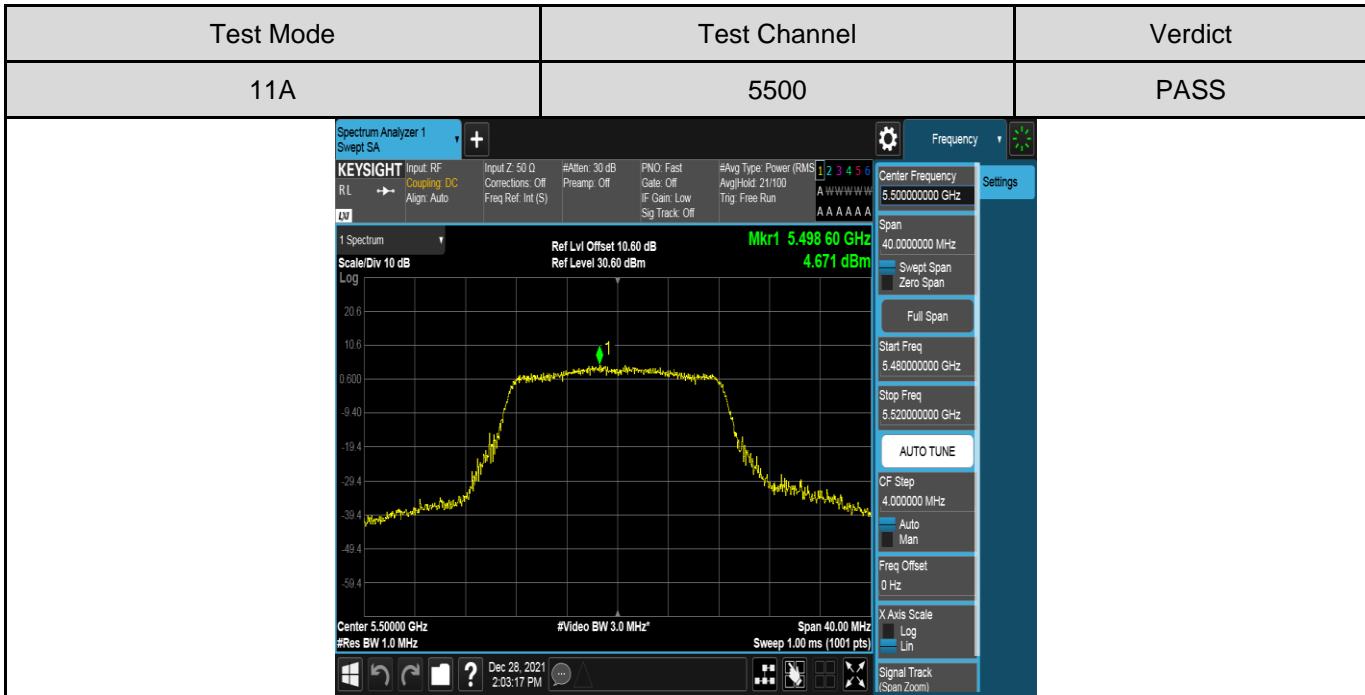
TEST GRAPHS
Antenna 1 Part:

| Test Mode | Test Channel | Verdict |
|--|--------------|---------|
| 11A | 5180 | PASS |
| <p>The screenshot shows a Keysight Spectrum Analyzer 1 with the following parameters: Center Frequency 5.1800000 GHz, Span 40.000000 MHz, and a single peak at 5.18128 GHz with a power of 4.422 dBm. The plot is in Log scale, with a video bandwidth of 3.0 MHz and a sweep time of 1.00 ms (1001 pts). The signal is aligned to the center frequency.</p> | | |

| Test Mode | Test Channel | Verdict |
|--|--------------|---------|
| 11A | 5200 | PASS |
| <p>The screenshot shows a Keysight Spectrum Analyzer 1 with the following parameters: Center Frequency 5.2000000 GHz, Span 40.000000 MHz, and a single peak at 5.19896 GHz with a power of 4.199 dBm. The plot is in Log scale, with a video bandwidth of 3.0 MHz and a sweep time of 1.00 ms (1001 pts). The signal is aligned to the center frequency.</p> | | |







| Test Mode | Test Channel | Verdict |
|-----------|--------------|---------|
| 11A | 5700 | PASS |

| Test Mode | Test Channel | Verdict |
|-----------|--------------|---------|
| 11A | 5720_UNII-2C | PASS |

