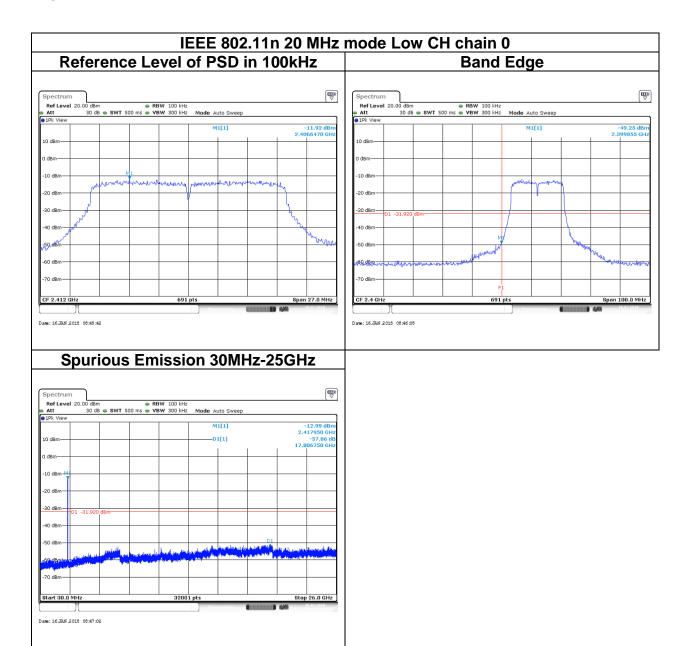
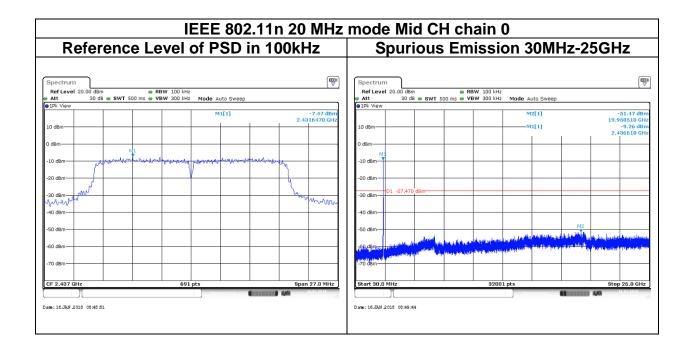
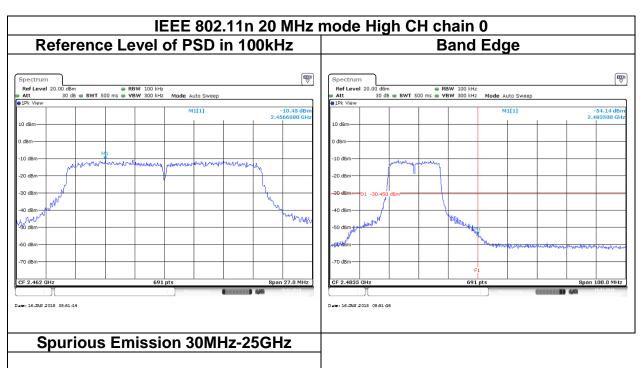
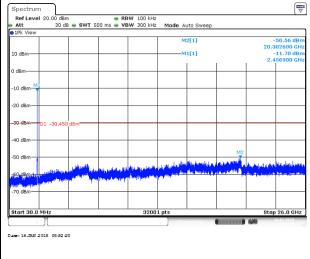


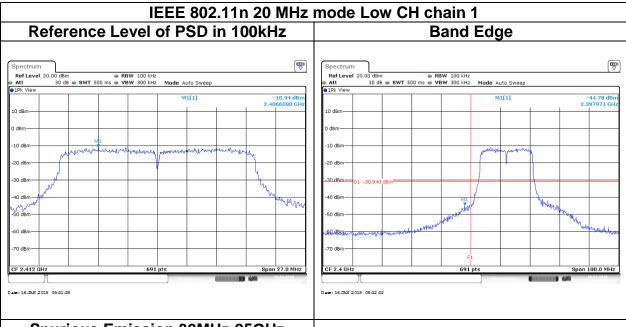
For 2TX

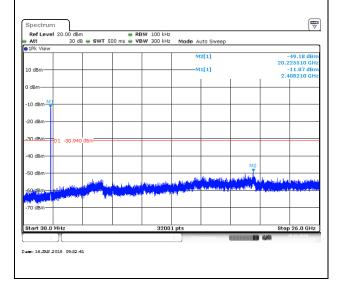


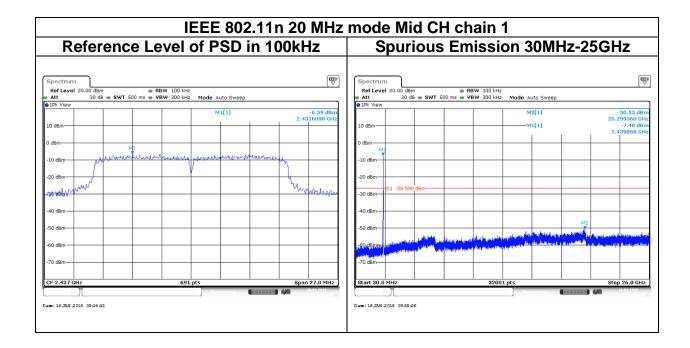


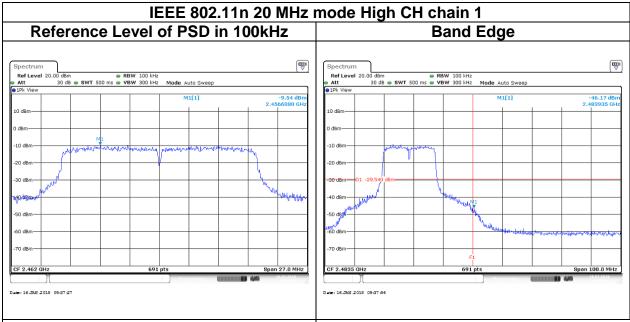


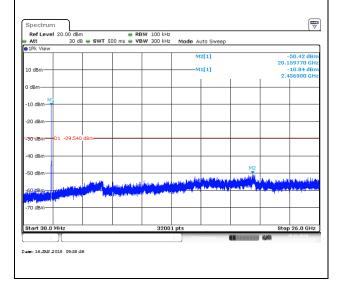


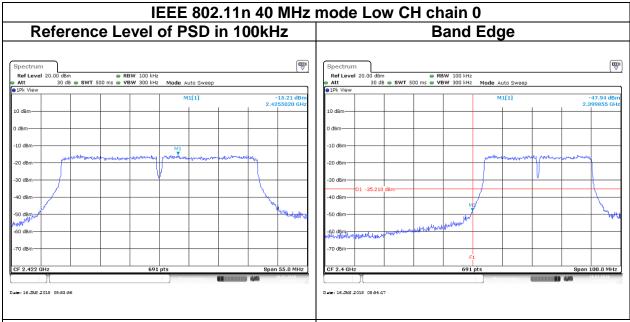


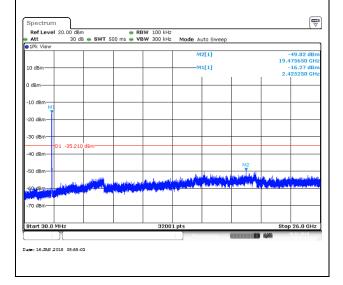


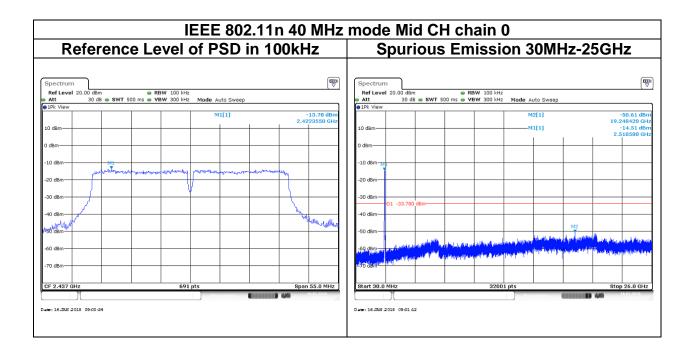


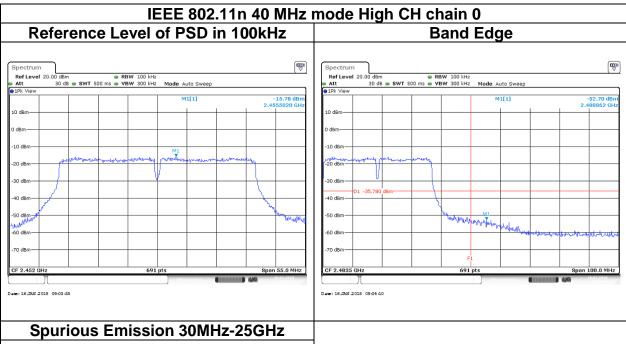


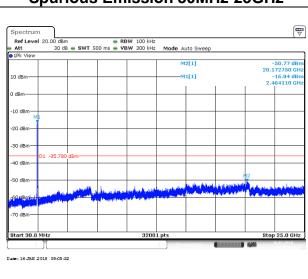


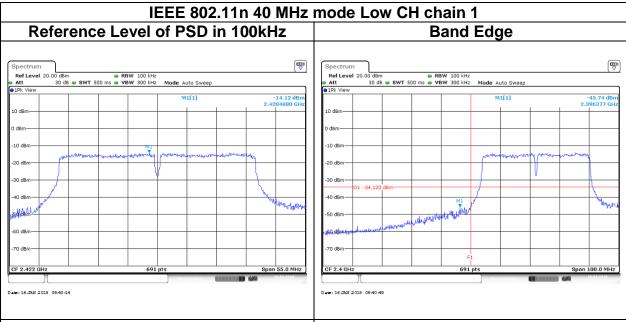


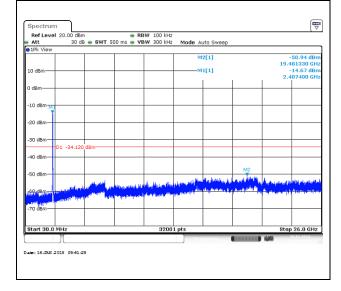


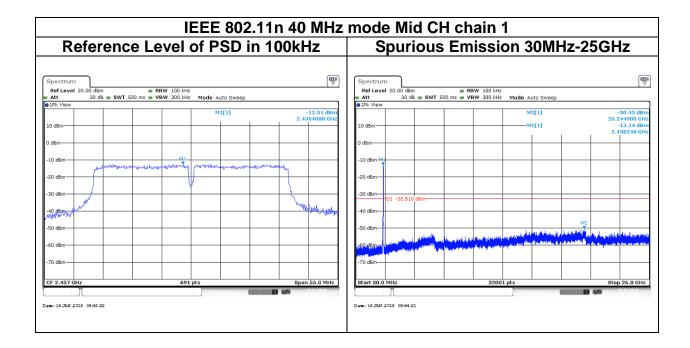


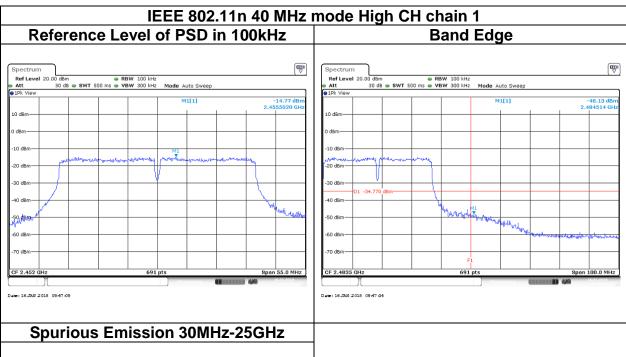


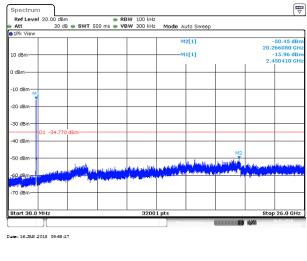












5.6 RADIATION BANDEDGE AND SPURIOUS EMISSION

5.6.1 Test Limit

FCC according to §15.247(d), §15.209 and §15.205,

In any 100 kHz bandwidth outside the authorized frequency band, all harmonic and spurious must be least 20 dB below the highest emission level with the authorized frequency band. Radiation emission which fall in the restricted bands must also follow the FCC section 15.209 as below limit in table.

Below 30 MHz

| Frequency | Field Strength (microvolts/m) | Magnetic H-Field (microamperes/m) | Measurement Distance (metres) |
|---------------|----------------------------------|---|-------------------------------------|
| 9-490 kHz | 2,400/F (F in kHz) | 2,400/F (F in kHz) | 300 |
| 490-1,705 kHz | 24,000/F (F in kHz) | 24,000/F (F in kHz) | 30 |
| 1.705-30 MHz | 30 | N/A | 30 |

Above 30 MHz

| Frequency | Field Strength (microvolts/m) | Measurement Distance (metres) |
|-----------|----------------------------------|-------------------------------------|
| 30-88 | 100 | 3 |
| 88-216 | 150 | 3 |
| 216-960 | 200 | 3 |
| Above 960 | 500 | 3 |

C ID: ACJ9TGWL17A Report No.: T180115W01-RP1

5.6.2 Test Procedure

Test method Refer as KDB 558074 D01 V04, Section 12.1.

- 1. The EUT is placed on a turntable, Above 1 GHz is 1.5m and below 1 GHz is 0.8m above ground plane. The EUT Configured un accordance with ANSI C63.10, and the EUT set in a continuous mode.
- 2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level. And EUT is set 3m away from the receiving antenna, which is scanned from 1m to 4m above the ground plane to find out the highest emissions. Measurement are made polarized in both the vertical and the horizontal positions with antenna.
- 3. Span shall wide enough to full capture the emission measured. The SA from 9kHz to 26.5GHz set to the low, Mid and High channels with the EUT transmit.

Note: No emission found between lowest internal used/generated frequency to 30MHz (9KHz~30MHz)

Remark:

Although these tests were performed other than open area test site, adequate comparison measurements were confirmed against 30 m open are test site. Therefore sufficient tests were made to demonstrate that the alternative site produces results that correlate with the ones of tests made in an open field based on KDB 937606.

- 4. The SA setting following:
 - (1) Below 1G: RBW = 100kHz, VBW ≥ 3 RBW, Sweep = Auto, Detector = Peak, Trace = Max hold.
 - (2) Above 1G:
 - (2.1) For Peak measurement : RBW = 1MHz, VBW ≥ 3 RBW, Sweep = Auto, Detector = Peak, Trace = Max hold.
 - (2.2) For Average measurement : RBW = 1MHz, VBW

If Duty Cycle ≥ 98%, VBW=10Hz.

If Duty Cycle < 98%, VBW=1/T.

For 1TX

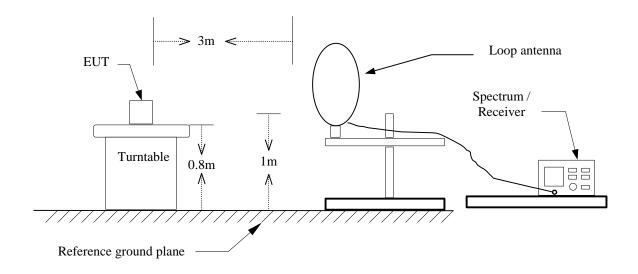
| Configuration | Duty Cycle (%) | T(ms) | 1/T (kHz) | VBW Setting |
|----------------|----------------|-------|-----------|-------------|
| 802.11b | 100% | - | - | 10Hz |
| 802.11g | 100% | - | - | 10Hz |
| 802.11n 20 MHz | 100% | - | - | 10Hz |
| 802.11n 40 MHz | 100% | - | - | 10Hz |

For 2TX

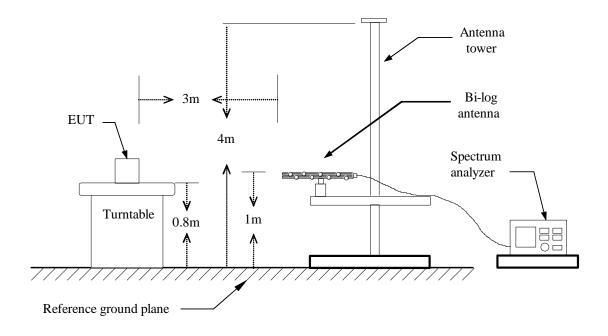
| Configuration | Duty Cycle (%) | T(ms) | 1/T (kHz) | VBW Setting |
|----------------|----------------|-------|-----------|-------------|
| 802.11b | 100% | - | - | 10Hz |
| 802.11g | 100% | - | - | 10Hz |
| 802.11n 20 MHz | 100% | - | - | 10Hz |
| 802.11n 40 MHz | 100% | - | - | 10Hz |

5.6.3 Test Setup

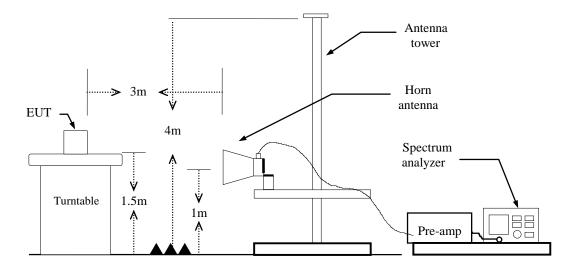
9kHz ~ 30MHz

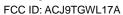


30MHz ~ 1GHz



Above 1 GHz

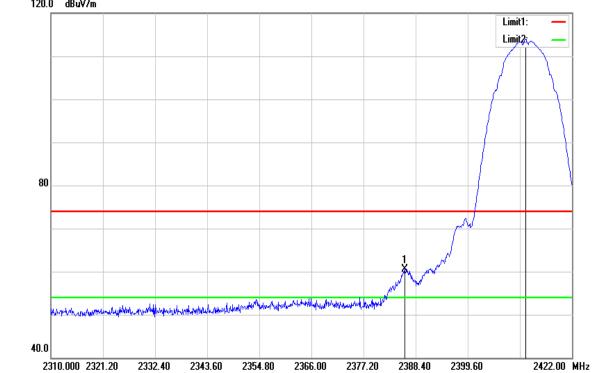




5.6.4 Test Result Band Edge Test Data

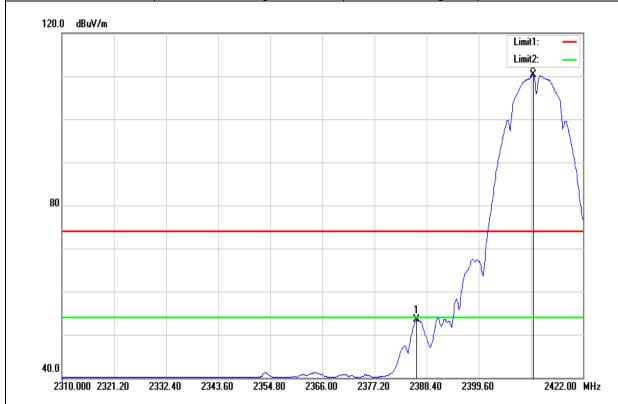
For 1TX

| Test Mode | IEEE 802.11b Low CH | Temp/Hum | 24(°C)/ 33%RH |
|--------------|---------------------|---------------|------------------|
| Test Item | Band Edge | Test Date | February 7, 2018 |
| Polarize | Horizontal | Test Engineer | Jerry Chuang |
| Detector | Peak | Test Voltage | 5Vdc |
| 120.0 dBuV/m | | | |
| | | | Limit1: — |
| | | | Limit2i — |



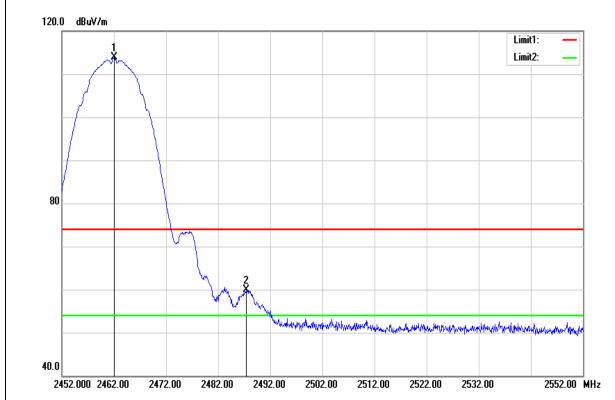
| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|--------------------|-------------------|-----------------------------|--------------------|-------------------|----------------|--------|
| 2386.048 | 63.51 | -2.99 | 60.52 | 74.00 | -13.48 | peak |
| 2412.032 | 116.82 | -2.92 | 113.90 | - | - | peak |

| Test Mode | IEEE 802.11b Low CH | Temperature: | 24(°C)/ 33%RH |
|-----------|---------------------|---------------|------------------|
| Test Item | Band Edge | Test Date | February 7, 2018 |
| Polarize | Horizontal | Test Engineer | Jerry Chuang |
| Detector | Average | Test Voltage | 5Vdc |



| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|--------------------|-------------------|-----------------------------|--------------------|-------------------|----------------|--------|
| 2386.272 | 56.49 | -2.99 | 53.50 | 54.00 | -0.50 | AVG |
| 2411.248 | 113.15 | -2.92 | 110.23 | - | - | AVG |

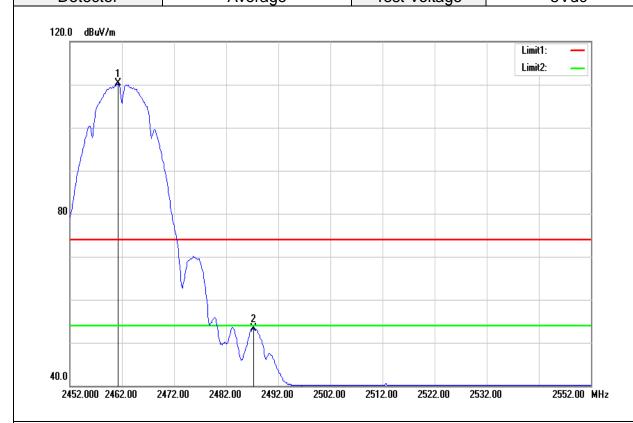
| Test Mode | IEEE 802.11b High CH | Temp/Hum | 24(°C)/ 33%RH |
|-----------|----------------------|---------------|------------------|
| Test Item | Band Edge | Test Date | February 7, 2018 |
| Polarize | Horizontal | Test Engineer | Jerry Chuang |
| Detector | Peak | Test Voltage | 5Vdc |



| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|--------------------|-------------------|-----------------------------|--------------------|-------------------|----------------|--------|
| 2462.000 | 116.57 | -2.76 | 113.81 | - | - | peak |
| 2487.400 | 62.63 | -2.68 | 59.95 | 74.00 | -14.05 | peak |

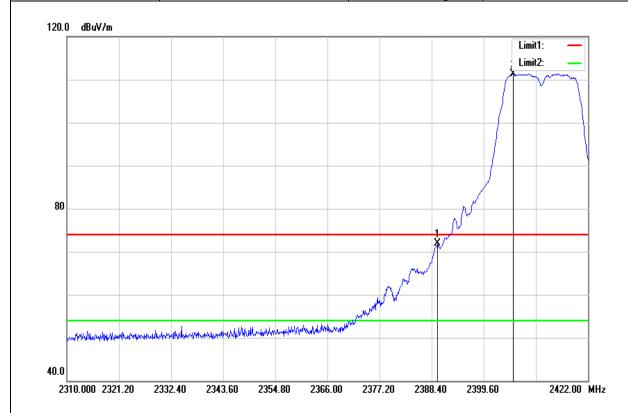


IEEE 802.11b High CH Test Mode Temperature: 24(°C)/33%RH February 7, 2018 Test Item Band Edge **Test Date** Jerry Chuang **Polarize** Horizontal Test Engineer Detector Average Test Voltage 5Vdc



| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|--------------------|-------------------|-----------------------------|--------------------|-------------------|----------------|--------|
| 2461.200 | 112.99 | -2.76 | 110.23 | - | - | AVG |
| 2487.200 | 55.96 | -2.68 | 53.28 | 54.00 | -0.72 | AVG |

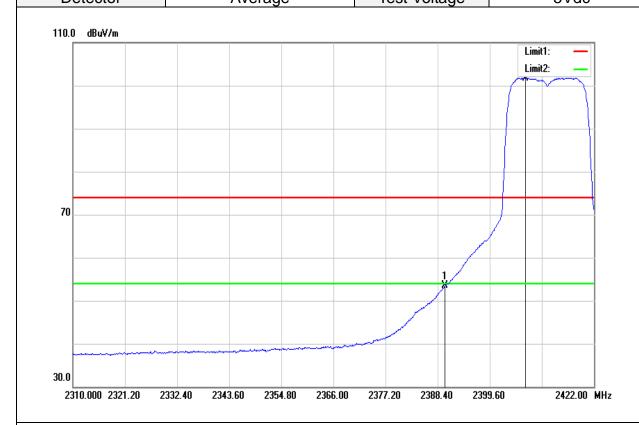
| Test Mode | IEEE 802.11g Low CH | Temp/Hum | 24(°C)/ 33%RH |
|-----------|---------------------|---------------|------------------|
| Test Item | Band Edge | Test Date | February 7, 2018 |
| Polarize | Horizontal | Test Engineer | Jerry Chuang |
| Detector | Peak | Test Voltage | 5Vdc |



| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|--------------------|-------------------|-----------------------------|--------------------|-------------------|----------------|--------|
| 2389.632 | 74.97 | -2.98 | 71.99 | 74.00 | -2.01 | peak |
| 2405.984 | 114.19 | -2.93 | 111.26 | - | - | peak |



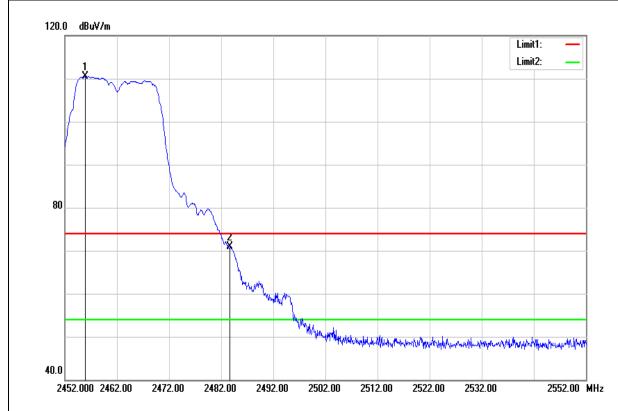
IEEE 802.11g Low CH Test Mode Temperature: 24(°C)/33%RH February 7, 2018 Band Edge Test Item **Test Date** Jerry Chuang Horizontal **Polarize** Test Engineer Detector Average Test Voltage 5Vdc



| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|--------------------|-------------------|-----------------------------|--------------------|-------------------|----------------|--------|
| 2390.000 | 56.43 | -2.98 | 53.45 | 54.00 | -0.55 | AVG |
| 2407.216 | 104.69 | -2.93 | 101.76 | - | - | AVG |



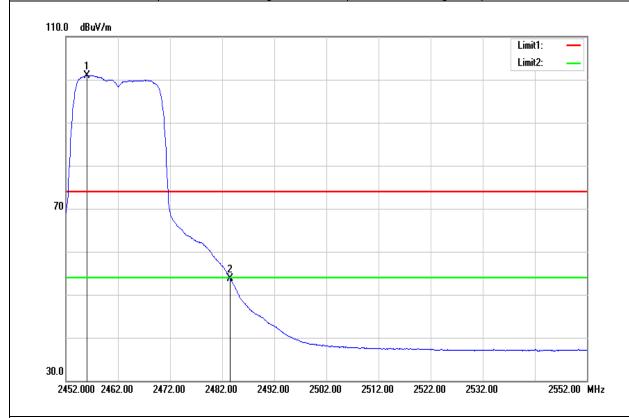
| Test Mode | IEEE 802.11g High CH | Temp/Hum | 24(°C)/ 33%RH |
|-----------|----------------------|---------------|------------------|
| Test Item | Band Edge | Test Date | February 7, 2018 |
| Polarize | Horizontal | Test Engineer | Jerry Chuang |
| Detector | Peak | Test Voltage | 5Vdc |



| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|--------------------|-------------------|-----------------------------|--------------------|-------------------|----------------|--------|
| 2455.900 | 113.23 | -2.78 | 110.45 | - | - | peak |
| 2483.700 | 73.57 | -2.69 | 70.88 | 74.00 | -3.12 | peak |



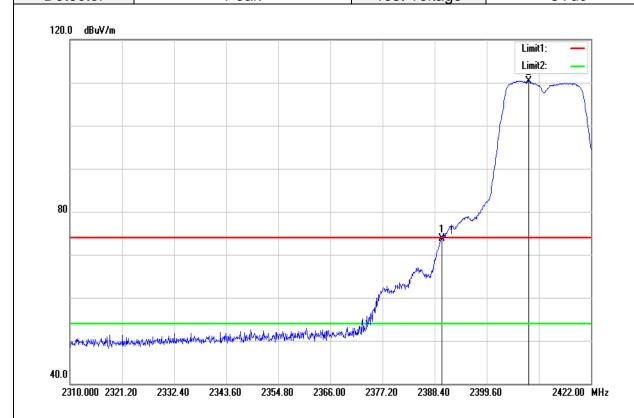
| Test Mode | 3 3 1 | | 24(°C)/ 33%RH |
|-----------|------------|---------------|------------------|
| Test Item | Band Edge | Test Date | February 7, 2018 |
| Polarize | Horizontal | Test Engineer | Jerry Chuang |
| Detector | Average | Test Voltage | 5Vdc |



| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|--------------------|-------------------|-----------------------------|--------------------|-------------------|----------------|--------|
| 2456.100 | 103.69 | -2.78 | 100.91 | - | - | AVG |
| 2483.500 | 56.45 | -2.69 | 53.76 | 54.00 | -0.24 | AVG |



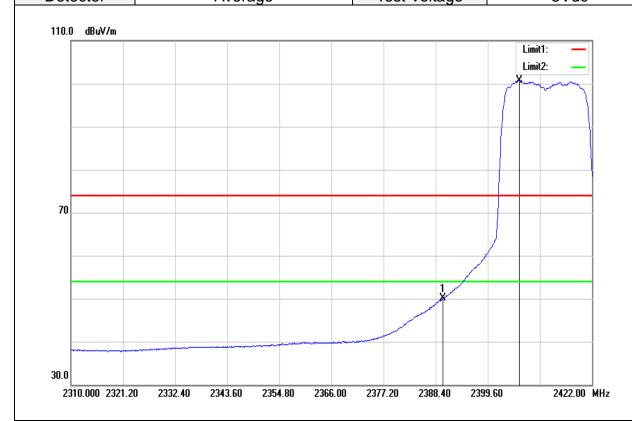
IEEE 802.11n 20 MHz Low Test Mode Temp/Hum 24(°C)/33%RH CH Band Edge February 7, 2018 **Test Date** Test Item Jerry Chuang Horizontal Test Engineer **Polarize** Peak Test Voltage 5Vdc Detector



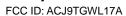
| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|--------------------|-------------------|-----------------------------|--------------------|-------------------|----------------|--------|
| 2390.000 | 76.60 | -2.98 | 73.62 | 74.00 | -0.38 | peak |
| 2408.672 | 113.30 | -2.92 | 110.38 | - | - | peak |



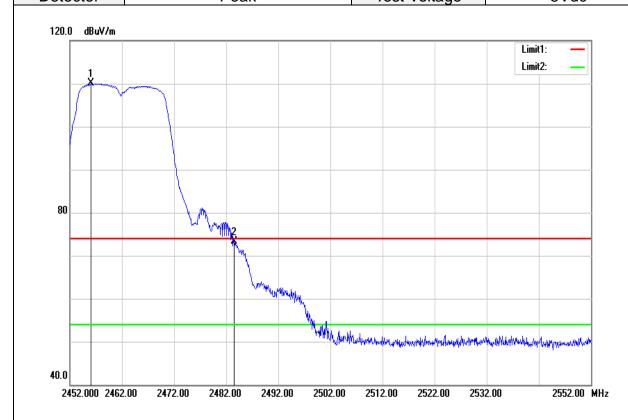
IEEE 802.11n 20 MHz Low Test Mode Temperature: 24(°C)/33%RH CH Band Edge February 7, 2018 Test Date Test Item Jerry Chuang Horizontal Test Engineer **Polarize** Test Voltage 5Vdc Detector Average



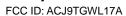
| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|--------------------|-------------------|-----------------------------|--------------------|-------------------|----------------|--------|
| 2390.000 | 53.07 | -2.98 | 50.09 | 54.00 | -3.91 | AVG |
| 2406.432 | 103.73 | -2.93 | 100.80 | - | - | AVG |



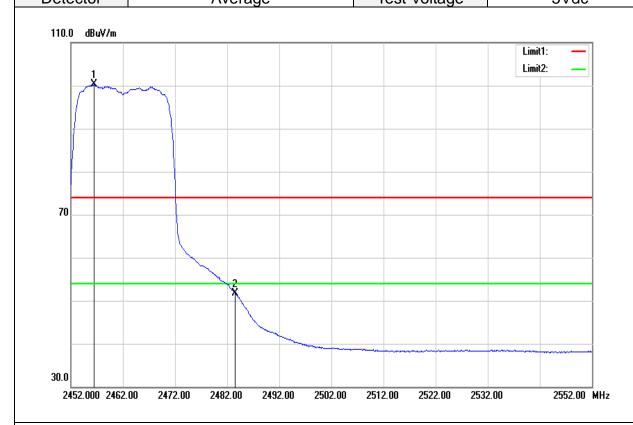
IEEE 802.11n 20 MHz High Temp/Hum 24(°C)/33%RH Test Mode СН February 7, 2018 Band Edge Test Item **Test Date** Jerry Chuang Horizontal Test Engineer Polarize Peak Test Voltage 5Vdc Detector



| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|--------------------|-------------------|-----------------------------|--------------------|-------------------|----------------|--------|
| 2456.100 | 112.81 | -2.78 | 110.03 | | | peak |
| 2483.500 | 75.97 | -2.69 | 73.28 | 74.00 | -0.72 | peak |



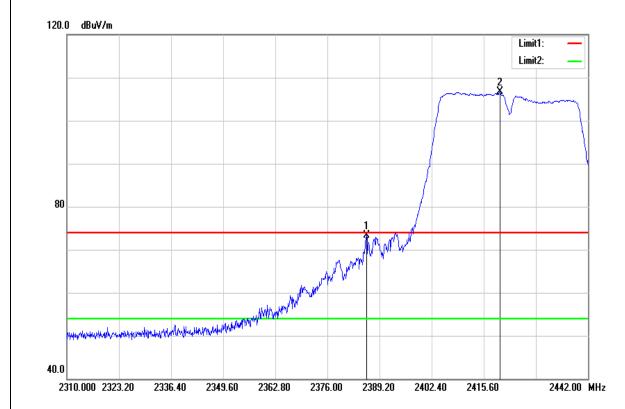
IEEE 802.11n 20 MHz High Test Mode Temperature: 24(°C)/ 33%RH CH Band Edge February 7, 2018 Test Date Test Item Jerry Chuang Horizontal Test Engineer **Polarize** Test Voltage Detector 5Vdc Average



| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|--------------------|-------------------|-----------------------------|--------------------|-------------------|----------------|--------|
| 2456.500 | 103.03 | -2.78 | 100.25 | | | AVG |
| 2483.500 | 54.48 | -2.69 | 51.79 | 54.00 | -2.21 | AVG |



| Test Mode | IEEE 802.11n 40 MHz Low CH | Temp/Hum | 24(°C)/ 33%RH |
|-----------|-------------------------------|---------------|------------------|
| Test Item | Band Edge | Test Date | February 7, 2018 |
| Polarize | Horizontal | Test Engineer | Jerry Chuang |
| Detector | Peak | Test Voltage | 5Vdc |



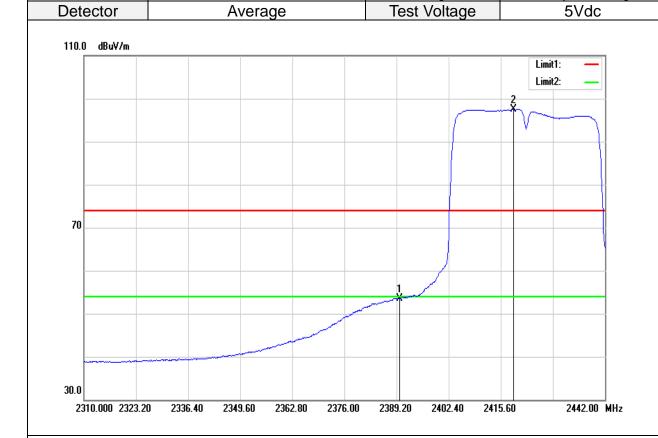
| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|--------------------|-------------------|-----------------------------|--------------------|-------------------|----------------|--------|
| 2385.900 | 76.24 | -2.99 | 73.25 | 74.00 | -0.75 | peak |
| 2419.692 | 109.51 | -2.89 | 106.62 | - | - | peak |



Test Mode IEEE 802.11n 40 MHz Low CH Temperature: 24(°C)/ 33%RH

Test Item Band Edge Test Date February 7, 2018

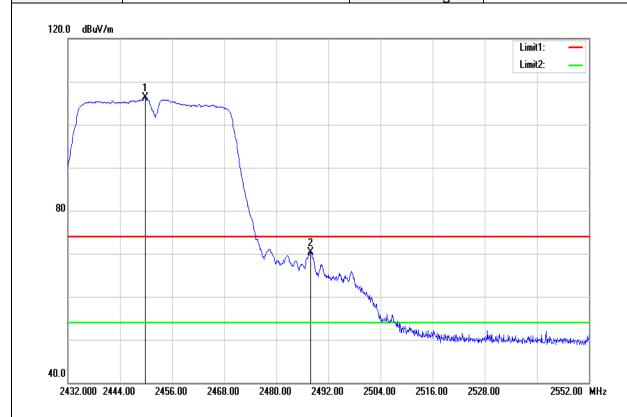
Polarize Horizontal Test Engineer Jerry Chuang



| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|--------------------|-------------------|-----------------------------|--------------------|-------------------|----------------|--------|
| 2390.000 | 56.51 | -2.98 | 53.53 | 54.00 | -0.47 | AVG |
| 2418.768 | 100.42 | -2.89 | 97.53 | - | - | AVG |



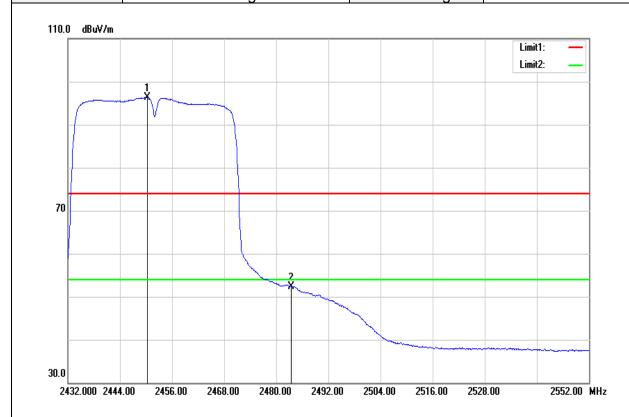
IEEE 802.11n 40 MHz High Temp/Hum 24(°C)/33%RH Test Mode CH February 7, 2018 Band Edge Test Item **Test Date** Jerry Chuang Horizontal Test Engineer Polarize Peak Test Voltage 5Vdc Detector



| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|--------------------|-------------------|-----------------------------|--------------------|-------------------|----------------|--------|
| 2449.760 | 109.10 | -2.79 | 106.31 | - | - | peak |
| 2487.920 | 73.04 | -2.67 | 70.37 | 74.00 | -3.63 | peak |



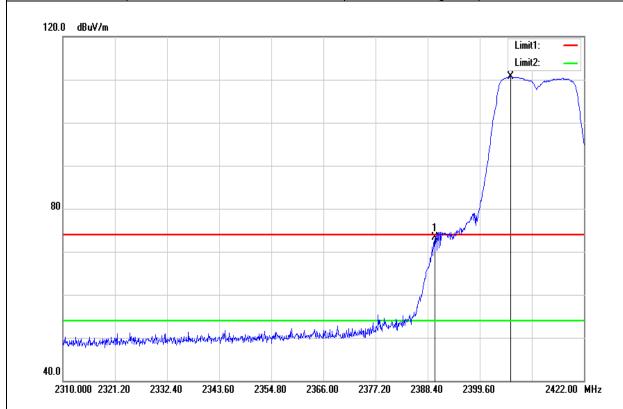
IEEE 802.11n 40 MHz High 24(°C)/33%RH Test Mode Temperature: CH February 7, 2018 Band Edge Test Item **Test Date** Jerry Chuang Horizontal Test Engineer Polarize Detector Test Voltage 5Vdc Average



| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|--------------------|-------------------|-----------------------------|--------------------|-------------------|----------------|--------|
| 2450.360 | 99.08 | -2.79 | 96.29 | - | | AVG |
| 2483.500 | 55.04 | -2.69 | 52.35 | 54.00 | -1.65 | AVG |

For 2TX

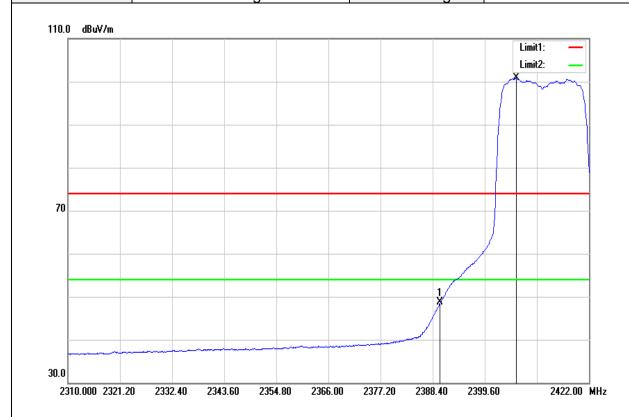
| Test Mode | IEEE 802.11n 20 MHz Low CH | Temp/Hum | 24(°C)/ 33%RH |
|-----------|-------------------------------|---------------|------------------|
| Test Item | Band Edge | Test Date | January 15, 2018 |
| Polarize | Horizontal | Test Engineer | Jerry Chuang |
| Detector | Peak | Test Voltage | 5Vdc |



| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|--------------------|-------------------|-----------------------------|--------------------|-------------------|----------------|--------|
| 2390.000 | 76.34 | -2.98 | 73.36 | 74.00 | -0.64 | peak |
| 2406.208 | 113.57 | -2.93 | 110.64 | - | - | peak |



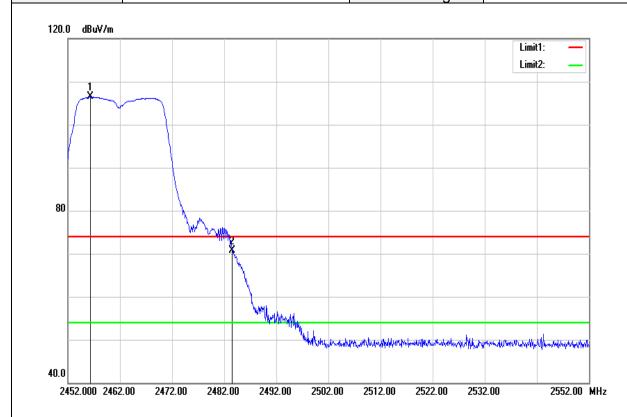
IEEE 802.11n 20 MHz Low Test Mode Temperature: 24(°C)/33%RH CH Band Edge January 15, 2018 Test Date Test Item Jerry Chuang Horizontal Test Engineer **Polarize** Test Voltage 5Vdc Detector Average



| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|--------------------|-------------------|-----------------------------|--------------------|-------------------|----------------|--------|
| 2390.000 | 51.71 | -2.98 | 48.73 | 54.00 | -5.27 | AVG |
| 2406.432 | 103.77 | -2.93 | 100.84 | - | - | AVG |

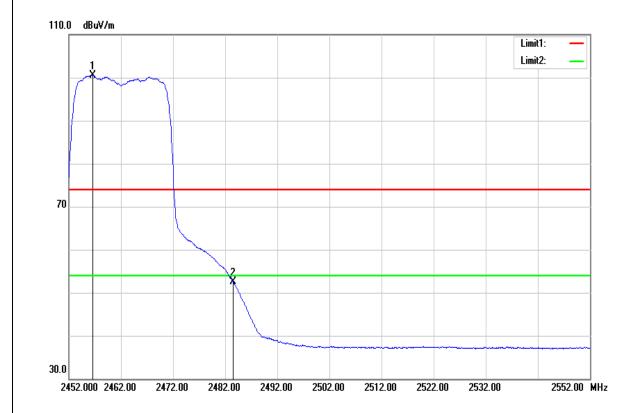


IEEE 802.11n 20 MHz High Temp/Hum 24(°C)/33%RH Test Mode CH Band Edge January 15, 2018 **Test Date** Test Item Jerry Chuang Horizontal Test Engineer **Polarize** Peak Test Voltage 5Vdc Detector



| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|--------------------|-------------------|-----------------------------|--------------------|-------------------|----------------|--------|
| 2456.300 | 109.26 | -2.78 | 106.48 | - | | peak |
| 2483.500 | 73.47 | -2.69 | 70.78 | 74.00 | -3.22 | peak |

| Test Mode | IEEE 802.11n 20 MHz High CH | Temperature: | 24(°C)/ 33%RH |
|-----------|--------------------------------|---------------|------------------|
| Test Item | Band Edge | Test Date | January 15, 2018 |
| Polarize | Horizontal | Test Engineer | Jerry Chuang |
| Detector | Average | Test Voltage | 5Vdc |



| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|--------------------|-------------------|-----------------------------|--------------------|-------------------|----------------|--------|
| 2456.600 | 103.36 | -2.78 | 100.58 | ı | ı | AVG |
| 2483.500 | 55.20 | -2.69 | 52.51 | 54.00 | -1.49 | AVG |

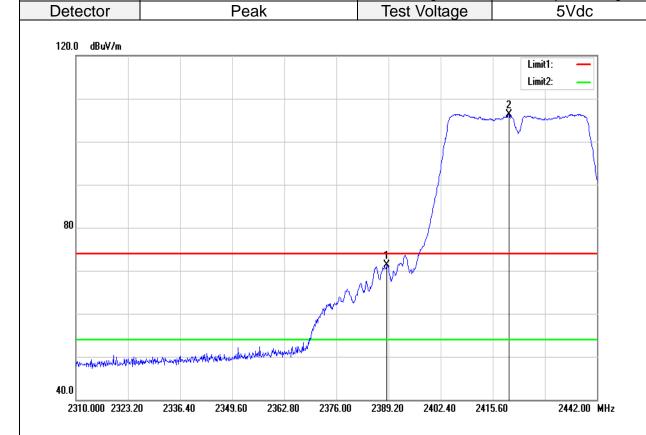


Test Mode IEEE 802.11n 40 MHz Low CH Temp/Hum 24(°C)/ 33%RH

Test Item Band Edge Test Date January 15, 2018

Polarize Horizontal Test Engineer Jerry Chuang

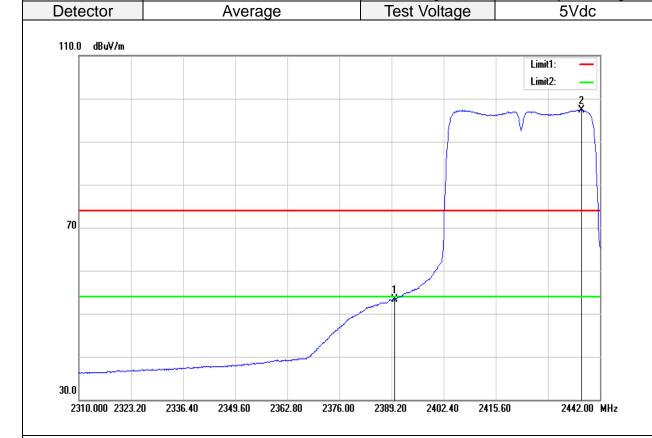
Detector Peak Test Voltage 5Vdc



| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|--------------------|-------------------|-----------------------------|--------------------|-------------------|----------------|--------|
| 2388.804 | 74.37 | -2.98 | 71.39 | 74.00 | -2.61 | peak |
| 2419.692 | 109.24 | -2.89 | 106.35 | - | - | peak |



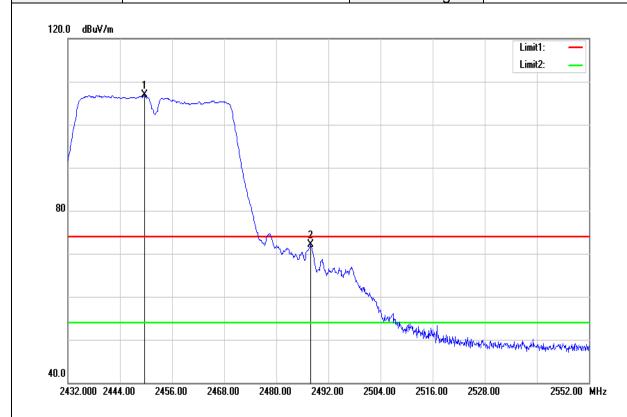
Test Mode IEEE 802.11n 40 MHz Low
CH
Test Item Band Edge Test Date January 15, 2018
Polarize Horizontal Test Engineer Jerry Chuang
Detector Average Test Voltage 5Vdc



| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|--------------------|-------------------|-----------------------------|--------------------|-------------------|----------------|--------|
| 2390.000 | 56.38 | -2.98 | 53.40 | 54.00 | -0.60 | AVG |
| 2437.248 | 100.13 | -2.84 | 97.29 | - | - | AVG |

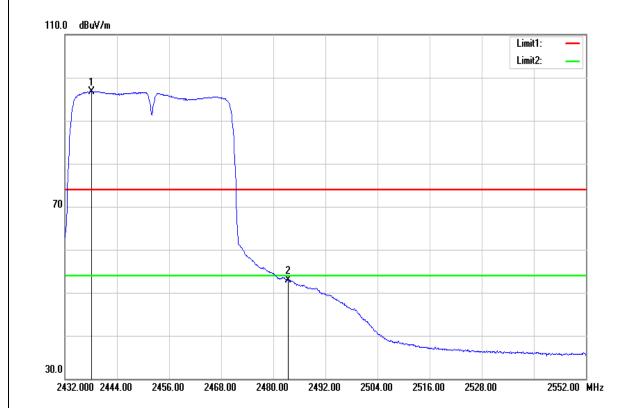


IEEE 802.11n 40 MHz High Temp/Hum 24(°C)/33%RH Test Mode CH Band Edge January 15, 2018 **Test Date** Test Item Jerry Chuang Horizontal Test Engineer **Polarize** Peak Test Voltage 5Vdc Detector



| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|--------------------|-------------------|-----------------------------|--------------------|-------------------|----------------|--------|
| 2449.640 | 109.67 | -2.79 | 106.88 | - | | peak |
| 2487.920 | 74.76 | -2.67 | 72.09 | 74.00 | -1.91 | peak |

| Test Mode | IEEE 802.11n 40 MHz High CH | Temperature: | 24(°C)/ 33%RH |
|-----------|--------------------------------|---------------|------------------|
| Test Item | Band Edge | Test Date | January 15, 2018 |
| Polarize | Horizontal | Test Engineer | Jerry Chuang |
| Detector | Average | Test Voltage | 5Vdc |

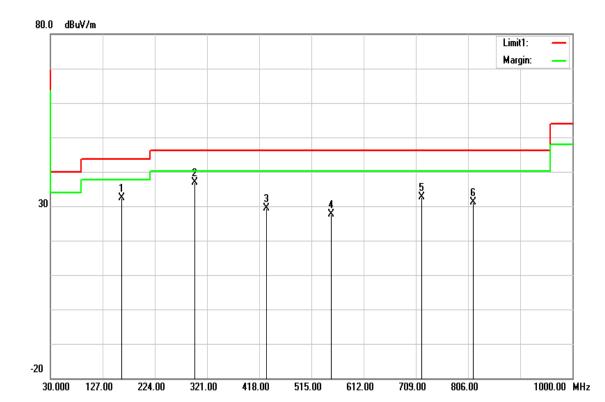


| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|--------------------|-------------------|-----------------------------|--------------------|-------------------|----------------|--------|
| 2438.120 | 99.55 | -2.83 | 96.72 | - | | AVG |
| 2483.500 | 55.66 | -2.69 | 52.97 | 54.00 | -1.03 | AVG |

FCC ID: ACJ9TGWL17A Report No.: T180115W01-RP1

Below 1G Test Data

| Test Mode | Mode 1 | Temp/Hum | 24(°C)/ 33%RH |
|-----------|------------|---------------|------------------|
| Test Item | 30MHz-1GHz | Test Date | January 17, 2018 |
| Polarize | Vertical | Test Engineer | Jerry Chuang |
| Detector | Peak | Test Voltage | 5Vdc |



| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|--------------------|-------------------|-----------------------------|--------------------|-------------------|----------------|--------|
| 161.9200 | 48.54 | -16.07 | 32.47 | 43.52 | -11.05 | peak |
| 298.6900 | 51.08 | -14.09 | 36.99 | 46.02 | -9.03 | peak |
| 432.0650 | 39.58 | -10.24 | 29.34 | 46.02 | -16.68 | peak |
| 552.3450 | 35.21 | -7.52 | 27.69 | 46.02 | -18.33 | peak |
| 720.1550 | 37.34 | -4.65 | 32.69 | 46.02 | -13.33 | peak |
| 816.1850 | 34.24 | -3.21 | 31.03 | 46.02 | -14.99 | peak |

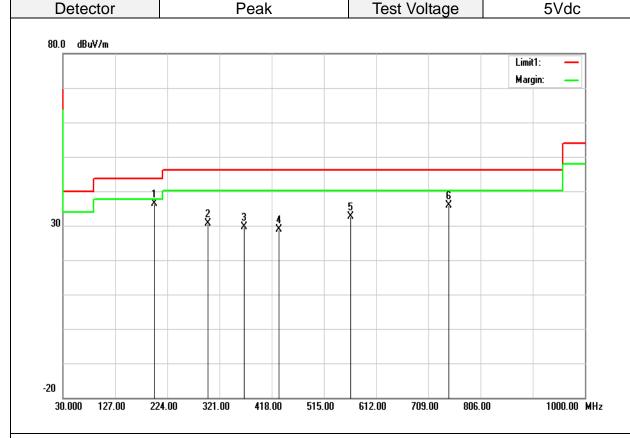


Test Mode Mode 1 Temp/Hum 24(°C)/ 33%RH

Test Item 30MHz-1GHz Test Date January 17, 2018

Polarize Horizontal Test Engineer Jerry Chuang

Detector Peak Test Voltage 5Vdc

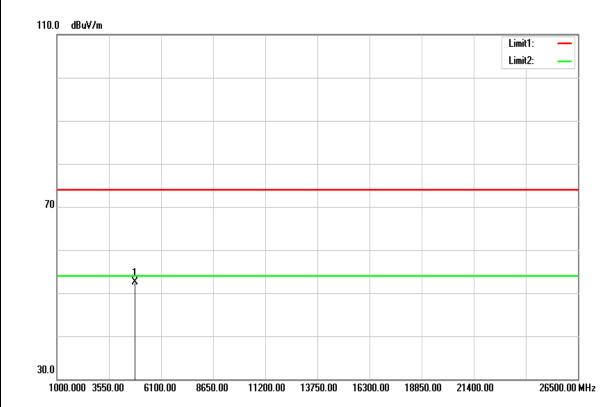


| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB | Remark |
|--------------------|-------------------|-----------------------------|--------------------|-------------------|---------------|--------|
| 199.7500 | 51.62 | -15.32 | 36.30 | 43.52 | -7.22 | peak |
| 299.6600 | 44.69 | -14.07 | 30.62 | 46.02 | -15.40 | peak |
| 366.5900 | 42.18 | -12.45 | 29.73 | 46.02 | -16.29 | peak |
| 432.0650 | 39.23 | -10.24 | 28.99 | 46.02 | -17.03 | peak |
| 564.4700 | 39.91 | -7.37 | 32.54 | 46.02 | -13.48 | peak |
| 746.8300 | 40.11 | -4.33 | 35.78 | 46.02 | -10.24 | peak |

Above 1G Test Data

For 1TX

| Test Mode | IEEE 802.11b Low CH | Temp/Hum | 24(°C)/ 33%RH |
|-----------|---------------------|---------------|------------------|
| Test Item | Harmonic | Test Date | February 9, 2018 |
| Polarize | Vertical | Test Engineer | Jerry Chuang |
| Detector | Peak and Average | Test Voltage | 5Vdc |

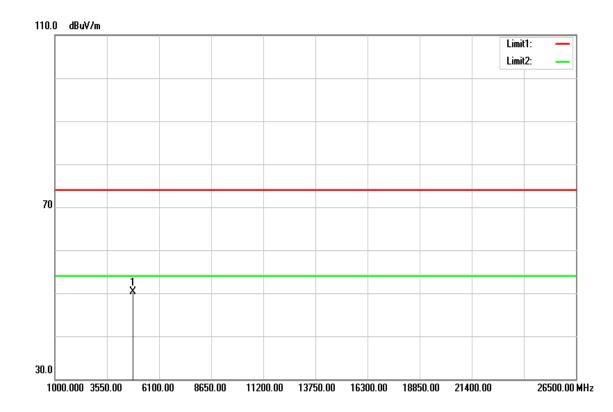


| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|--------------------|-------------------|-----------------------------|--------------------|-------------------|----------------|--------|
| 4827.000 | 48.19 | 4.38 | 52.57 | 74.00 | -21.43 | peak |
| N/A | | | | | | |
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Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

| Test Mode | IEEE 802.11b Low CH | Temp/Hum | 24(°C)/ 33%RH |
|-----------|---------------------|---------------|------------------|
| Test Item | Harmonic | Test Date | February 9, 2018 |
| Polarize | Horizontal | Test Engineer | Jerry Chuang |
| Detector | Peak and Average | Test Voltage | 5Vdc |

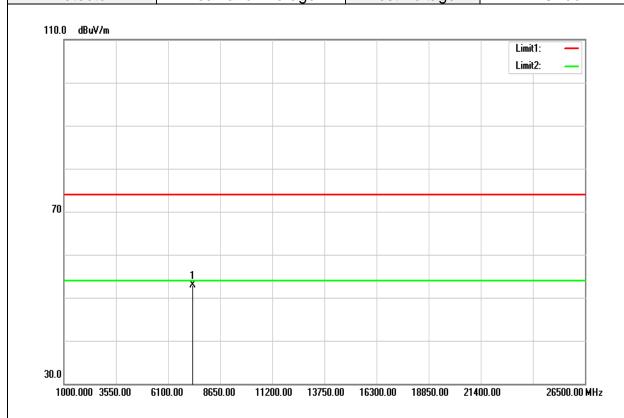


| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|--------------------|-------------------|-----------------------------|--------------------|-------------------|----------------|--------|
| 4827.000 | 45.85 | 4.38 | 50.23 | 74.00 | -23.77 | peak |
| N/A | | | | | | |
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- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

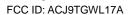


| Test Mode | IEEE 802.11b Mid CH | Temp/Hum | 24(°C)/ 33%RH |
|-----------|---------------------|---------------|------------------|
| Test Item | Harmonic | Test Date | February 9, 2018 |
| Polarize | Vertical | Test Engineer | Jerry Chuang |
| Detector | Peak and Average | Test Voltage | 5Vdc |

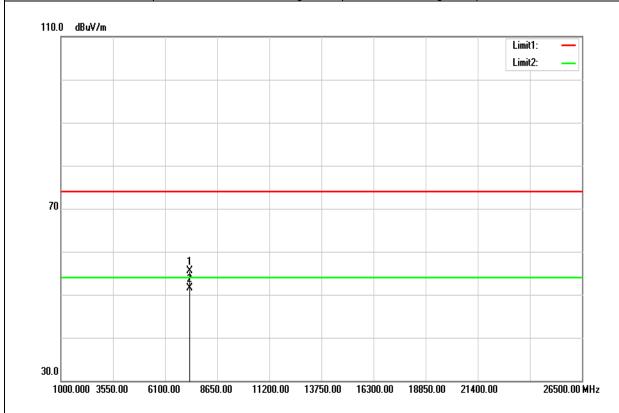


| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|--------------------|-------------------|-----------------------------|--------------------|-------------------|----------------|--------|
| 7312.000 | 42.39 | 10.44 | 52.83 | 74.00 | -21.17 | peak |
| N/A | | | | | | |
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- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

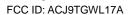


| Test Mode | IEEE 802.11b Mid CH | Temp/Hum | 24(°C)/ 33%RH |
|-----------|---------------------|---------------|------------------|
| Test Item | Harmonic | Test Date | February 9, 2018 |
| Polarize | Horizontal | Test Engineer | Jerry Chuang |
| Detector | Peak and Average | Test Voltage | 5Vdc |

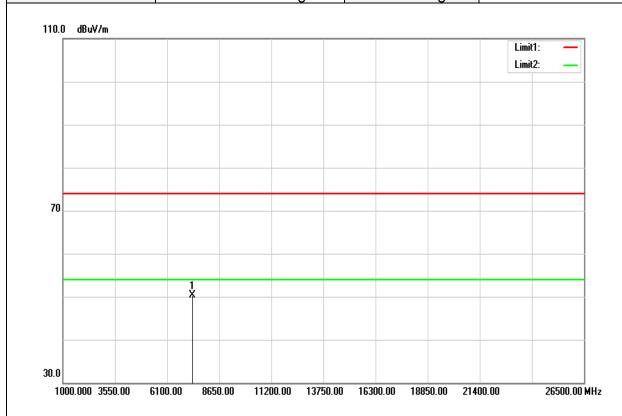


| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|--------------------|-------------------|-----------------------------|--------------------|-------------------|----------------|--------|
| 7312.000 | 45.15 | 10.44 | 55.59 | 74.00 | -18.41 | peak |
| 7312.000 | 41.00 | 10.44 | 51.44 | 54.00 | -2.56 | AVG |
| N/A | | | | | | |
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- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit



| Test Mode | IEEE 802.11b High CH | Temp/Hum | 24(°C)/ 33%RH |
|-----------|----------------------|---------------|------------------|
| Test Item | Harmonic | Test Date | February 9, 2018 |
| Polarize | Vertical | Test Engineer | Jerry Chuang |
| Detector | Peak and Average | Test Voltage | 5Vdc |



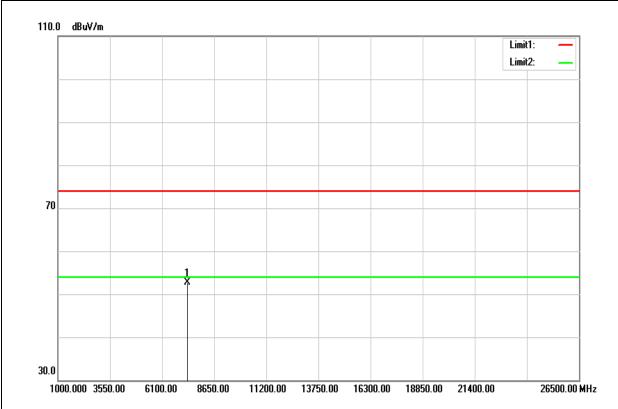
| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|--------------------|-------------------|-----------------------------|--------------------|-------------------|----------------|--------|
| 7354.000 | 39.91 | 10.46 | 50.37 | 74.00 | -23.63 | peak |
| N/A | | | | | | |
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- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. For above 1GHz,the EUT peak value was under average limit, therefore the Average value compliance with the average limit



FCC ID: ACJ9TGWL17A

| Test Mode | IEEE 802.11b High CH | Temp/Hum | 24(°C)/ 33%RH | |
|-----------|----------------------|---------------|------------------|--|
| Test Item | Harmonic | Test Date | February 9, 2018 | |
| Polarize | Horizontal | Test Engineer | Jerry Chuang | |
| Detector | Peak and Average | Test Voltage | 5Vdc | |



| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|--------------------|-------------------|-----------------------------|--------------------|-------------------|----------------|--------|
| 7354.000 | 42.25 | 10.46 | 52.71 | 74.00 | -21.29 | peak |
| N/A | | | | | | |
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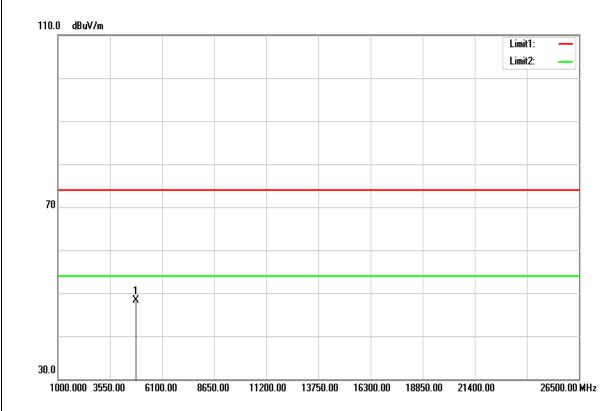
Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. For above 1GHz,the EUT peak value was under average limit, therefore the Average value compliance with the average limit



FCC ID: ACJ9TGWL17A Report No.: T180115W01-RP1

| Test Mode | IEEE 802.11g Low CH | Temp/Hum | 24(°C)/ 33%RH |
|-----------|---------------------|---------------|------------------|
| Test Item | Harmonic | Test Date | February 9, 2018 |
| Polarize | Vertical | Test Engineer | Jerry Chuang |
| Detector | Peak and Average | Test Voltage | 5Vdc |



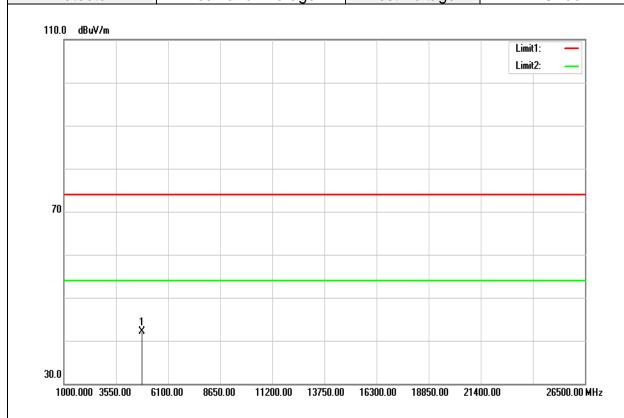
| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|--------------------|-------------------|-----------------------------|--------------------|-------------------|----------------|--------|
| 4824.000 | 43.96 | 4.38 | 48.34 | 74.00 | -25.66 | peak |
| N/A | | | | | | |
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Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. For above 1GHz,the EUT peak value was under average limit, therefore the Average value compliance with the average limit

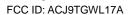


| Test Mode | IEEE 802.11g Low CH | Temp/Hum | 24(°C)/ 33%RH |
|-----------|---------------------|-----------|------------------|
| Test Item | Harmonic | Test Date | February 9, 2018 |
| Polarize | Polarize Horizontal | | Jerry Chuang |
| Detector | | | 5Vdc |

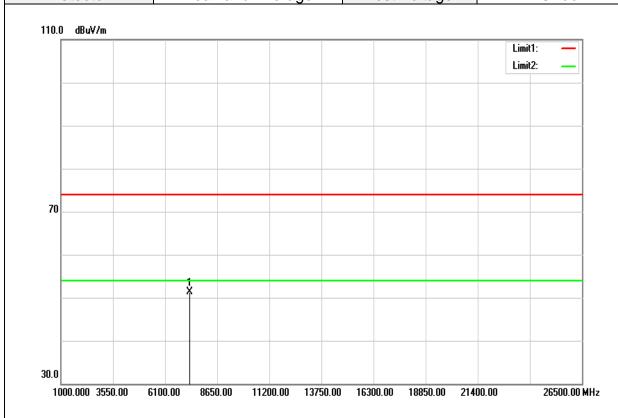


| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|--------------------|-------------------|-----------------------------|--------------------|-------------------|----------------|--------|
| 4824.000 | 37.74 | 4.38 | 42.12 | 74.00 | -31.88 | peak |
| N/A | | | | | | |
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- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. For above 1GHz,the EUT peak value was under average limit, therefore the Average value compliance with the average limit

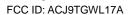


| Test Mode | IEEE 802.11g Mid CH | Temp/Hum | 24(°C)/ 33%RH | |
|-----------|---------------------------|---------------|------------------|--|
| Test Item | Harmonic | Test Date | February 9, 2018 | |
| Polarize | Vertical | Test Engineer | Jerry Chuang | |
| Detector | Detector Peak and Average | | 5Vdc | |

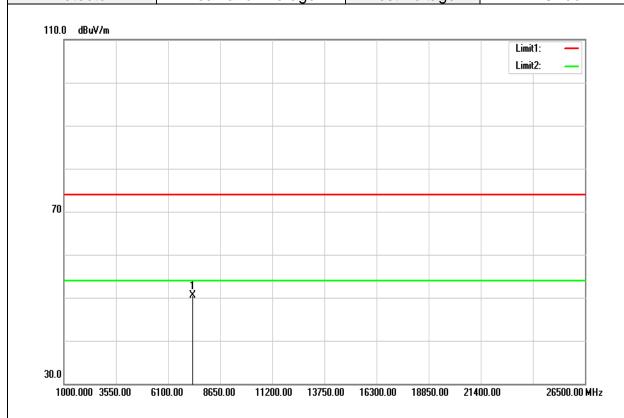


| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|--------------------|-------------------|-----------------------------|--------------------|-------------------|----------------|--------|
| 7305.000 | 40.85 | 10.44 | 51.29 | 74.00 | -22.71 | peak |
| N/A | | | | | | |
| | | | | | | |
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- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. For above 1GHz,the EUT peak value was under average limit, therefore the Average value compliance with the average limit

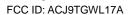


| Test Mode | IEEE 802.11g Mid CH | Temp/Hum | 24(°C)/ 33%RH | |
|-----------|---------------------------|---------------|------------------|--|
| Test Item | Harmonic | Test Date | February 9, 2018 | |
| Polarize | Horizontal | Test Engineer | Jerry Chuang | |
| Detector | Detector Peak and Average | | 5Vdc | |

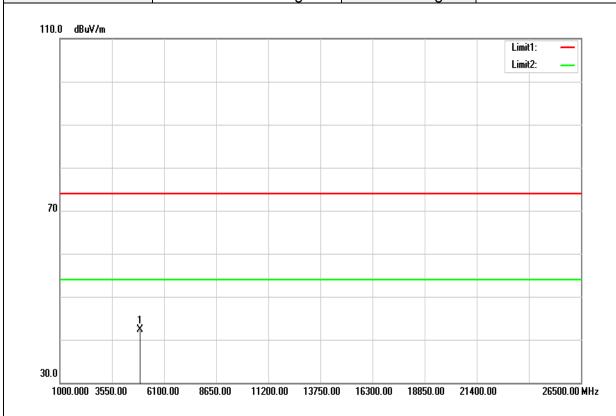


| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|--------------------|-------------------|-----------------------------|--------------------|-------------------|----------------|--------|
| 7305.000 | 40.04 | 10.44 | 50.48 | 74.00 | -23.52 | peak |
| N/A | | | | | | |
| | | | | | | |
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- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. For above 1GHz,the EUT peak value was under average limit, therefore the Average value compliance with the average limit



| Test Mode | IEEE 802.11g High CH | Temp/Hum | 24(°C)/ 33%RH |
|---------------------------|----------------------|---------------|------------------|
| Test Item | Harmonic | Test Date | February 9, 2018 |
| Polarize | Vertical | Test Engineer | Jerry Chuang |
| Detector Peak and Average | | Test Voltage | 5Vdc |



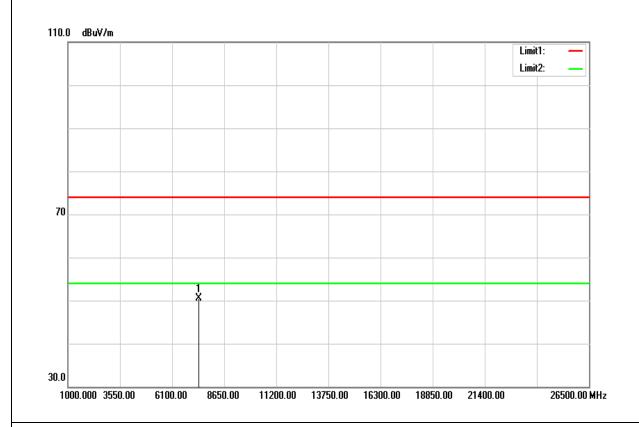
| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|--------------------|-------------------|-----------------------------|--------------------|-------------------|----------------|--------|
| 4924.000 | 37.83 | 4.55 | 42.38 | 74.00 | -31.62 | peak |
| N/A | | | | | | |
| | | | | | | |
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- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. For above 1GHz,the EUT peak value was under average limit, therefore the Average value compliance with the average limit



FCC ID: ACJ9TGWL17A Report No.: T180115W01-RP1

| Test Mode | IEEE 802.11g High CH | Temp/Hum | 24(°C)/ 33%RH |
|-----------|----------------------|---------------|------------------|
| Test Item | Test Item Harmonic | | February 9, 2018 |
| Polarize | Horizontal | Test Engineer | Jerry Chuang |
| Detector | Peak and Average | Test Voltage | 5Vdc |



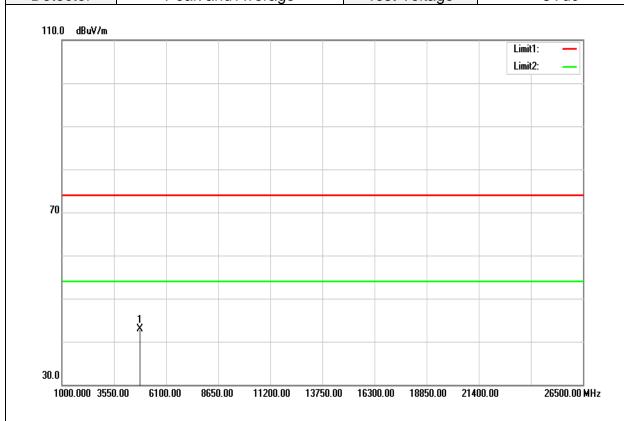
| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|--------------------|-------------------|-----------------------------|--------------------|-------------------|----------------|--------|
| 7396.000 | 40.11 | 10.48 | 50.59 | 74.00 | -23.41 | peak |
| N/A | | | | | | |
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Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. For above 1GHz,the EUT peak value was under average limit, therefore the Average value compliance with the average limit



IEEE 802.11n 20 MHz Low 24(°C)/33%RH Test Mode Temp/Hum CH February 9, 2018 Harmonic Test Item **Test Date** Polarize Jerry Chuang Test Engineer Vertical Detector Test Voltage 5Vdc Peak and Average

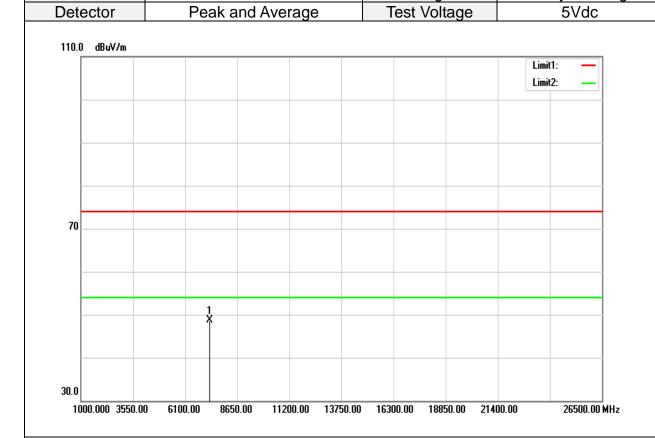


| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|--------------------|-------------------|-----------------------------|--------------------|-------------------|----------------|--------|
| 4824.000 | 38.59 | 4.38 | 42.97 | 74.00 | -31.03 | peak |
| N/A | | | | | | |
| | | | | | | |
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Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. For above 1GHz,the EUT peak value was under average limit, therefore the Average value compliance with the average limit

| Test Mode | IEEE 802.11n 20 MHz Low CH | Temp/Hum | 24(°C)/ 33%RH |
|-----------|-------------------------------|---------------|------------------|
| Test Item | Harmonic | Test Date | February 9, 2018 |
| Polarize | Horizontal | Test Engineer | Jerry Chuang |



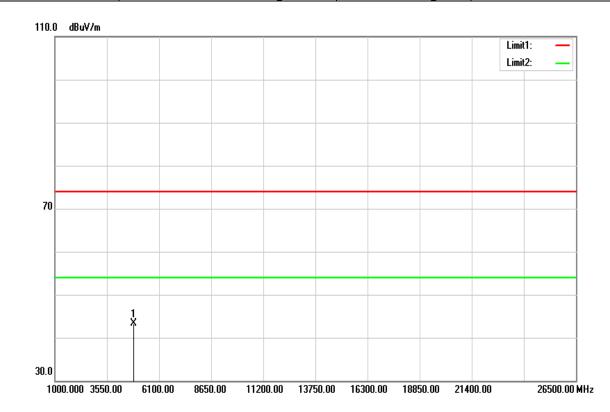
| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|--------------------|-------------------|-----------------------------|--------------------|-------------------|----------------|--------|
| 7315.000 | 38.24 | 10.45 | 48.69 | 74.00 | -25.31 | peak |
| N/A | | | | | | |
| | | | | | | |
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- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit



Report No.: T180115W01-RP1

| Test Mode | IEEE 802.11n 20 MHz Mid CH | Temp/Hum | 24(°C)/ 33%RH |
|-----------|-------------------------------|---------------|------------------|
| Test Item | Harmonic | Test Date | February 9, 2018 |
| Polarize | Vertical | Test Engineer | Jerry Chuang |
| Detector | Peak and Average | Test Voltage | 5Vdc |



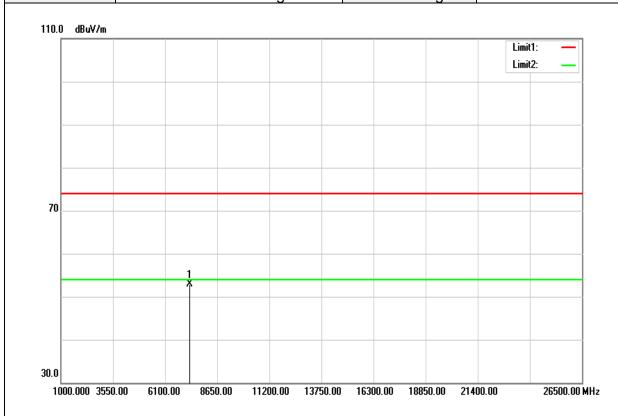
| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|--------------------|-------------------|-----------------------------|--------------------|-------------------|----------------|--------|
| 4874.000 | 38.74 | 4.47 | 43.21 | 74.00 | -30.79 | peak |
| N/A | | | | | | |
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Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit



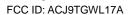
IEEE 802.11n 20 MHz Mid 24(°C)/33%RH Test Mode Temp/Hum CH February 9, 2018 Test Item Harmonic **Test Date** Jerry Chuang **Polarize** Test Engineer Horizontal Detector Peak and Average Test Voltage 5Vdc



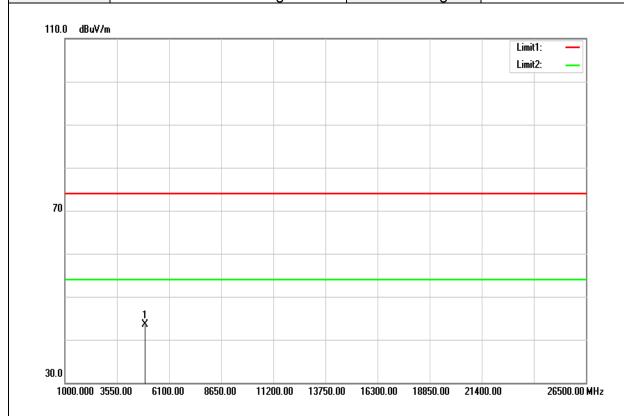
| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|--------------------|-------------------|-----------------------------|--------------------|-------------------|----------------|--------|
| 7312.000 | 42.49 | 10.44 | 52.93 | 74.00 | -21.07 | peak |
| N/A | | | | | | |
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Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. For above 1GHz,the EUT peak value was under average limit, therefore the Average value compliance with the average limit



| Test Mode | Test Mode IEEE 802.11n 20 MHz High CH | | 24(°C)/ 33%RH |
|--------------------|---|---------------|------------------|
| Test Item Harmonic | | Test Date | February 9, 2018 |
| Polarize Vertical | | Test Engineer | Jerry Chuang |
| Detector | Peak and Average | Test Voltage | 5Vdc |

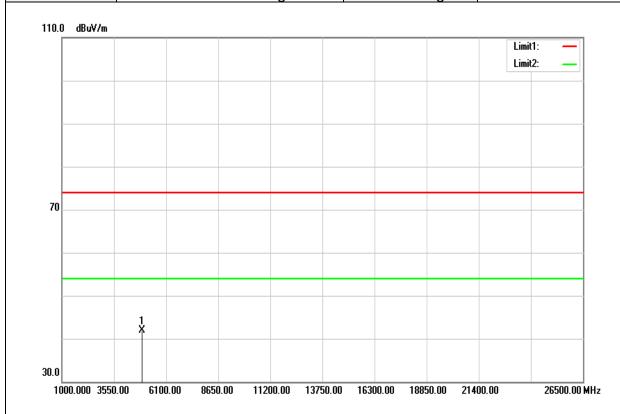


| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|--------------------|-------------------|-----------------------------|--------------------|-------------------|----------------|--------|
| 4924.000 | 38.90 | 4.55 | 43.45 | 74.00 | -30.55 | peak |
| N/A | | | | | | |
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- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. For above 1GHz,the EUT peak value was under average limit, therefore the Average value compliance with the average limit



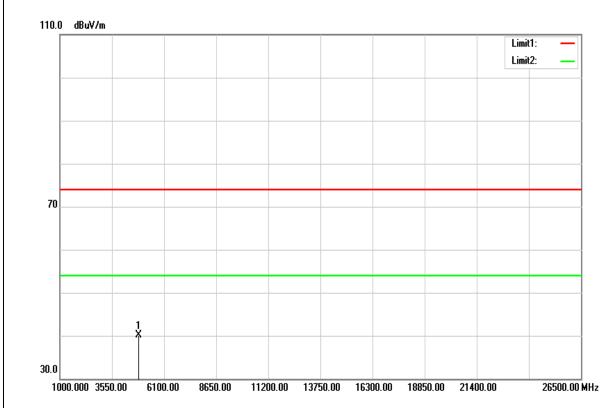
| Test Mode | IEEE 802.11n 20 MHz High CH | Temp/Hum | 24(°C)/ 33%RH |
|-----------|--------------------------------|---------------|------------------|
| Test Item | Harmonic | Test Date | February 9, 2018 |
| Polarize | Horizontal | Test Engineer | Jerry Chuang |
| Detector | Peak and Average | Test Voltage | 5Vdc |



| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|--------------------|-------------------|-----------------------------|--------------------|-------------------|----------------|--------|
| 4924.000 | 37.26 | 4.55 | 41.81 | 74.00 | -32.19 | peak |
| N/A | | | | | | |
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- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. For above 1GHz,the EUT peak value was under average limit, therefore the Average value compliance with the average limit

| Test Mode | IEEE 802.11n 40 MHz Low CH | Temp/Hum | 24(°C)/ 33%RH |
|-----------|-------------------------------|---------------|------------------|
| Test Item | Harmonic | Test Date | February 9, 2018 |
| Polarize | Vertical | Test Engineer | Jerry Chuang |
| Detector | Peak and Average | Test Voltage | 5Vdc |

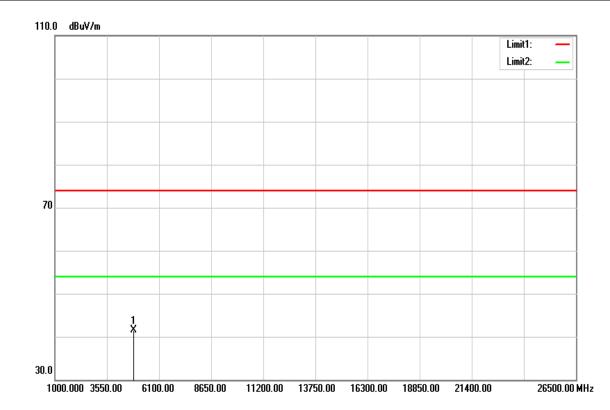


| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|--------------------|-------------------|-----------------------------|--------------------|-------------------|----------------|--------|
| 4844.000 | 35.78 | 4.41 | 40.19 | 74.00 | -33.81 | peak |
| N/A | | | | | | |
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- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. For above 1GHz,the EUT peak value was under average limit, therefore the Average value compliance with the average limit

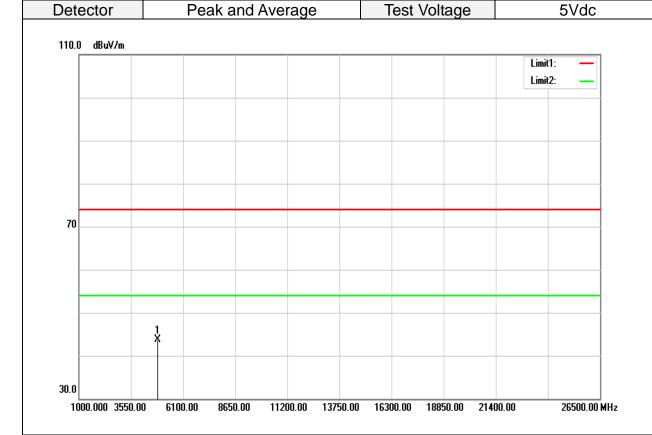


| Test Mode | IEEE 802.11n 40 MHz Low CH | Temp/Hum | 24(°C)/ 33%RH |
|-----------|-------------------------------|---------------|------------------|
| Test Item | Harmonic | Test Date | February 9, 2018 |
| Polarize | Horizontal | Test Engineer | Jerry Chuang |
| Detector | Peak and Average | Test Voltage | 5Vdc |



| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|--------------------|-------------------|-----------------------------|--------------------|-------------------|----------------|--------|
| 4844.000 | 37.07 | 4.41 | 41.48 | 74.00 | -32.52 | peak |
| N/A | | | | | | |
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- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

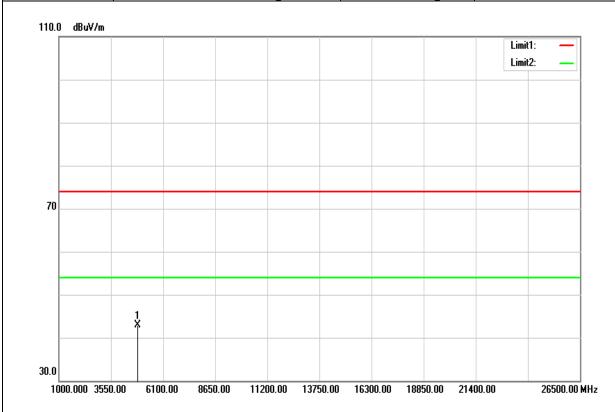


| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|--------------------|-------------------|-----------------------------|--------------------|-------------------|----------------|--------|
| 4874.000 | 39.27 | 4.47 | 43.74 | 74.00 | -30.26 | peak |
| N/A | | | | | | |
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- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. For above 1GHz,the EUT peak value was under average limit, therefore the Average value compliance with the average limit

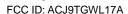


| Test Mode | IEEE 802.11n 40 MHz Mid CH | Temp/Hum | 24(°C)/ 33%RH |
|-----------|-------------------------------|---------------|------------------|
| Test Item | Harmonic | Test Date | February 9, 2018 |
| Polarize | Horizontal | Test Engineer | Jerry Chuang |
| Detector | Peak and Average | Test Voltage | 5Vdc |

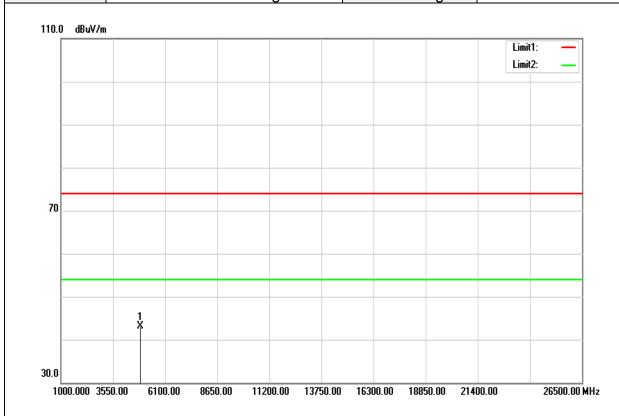


| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|--------------------|-------------------|-----------------------------|--------------------|-------------------|----------------|--------|
| 4874.000 | 38.34 | 4.47 | 42.81 | 74.00 | -31.19 | peak |
| N/A | | | | | | |
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- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. For above 1GHz,the EUT peak value was under average limit, therefore the Average value compliance with the average limit



Test Mode IEEE 802.11n 40 MHz High CH Temp/Hum 24(°C)/ 33%RH Test Item Harmonic **Test Date** February 9, 2018 Polarize Vertical Jerry Chuang Test Engineer 5Vdc Detector Peak and Average Test Voltage



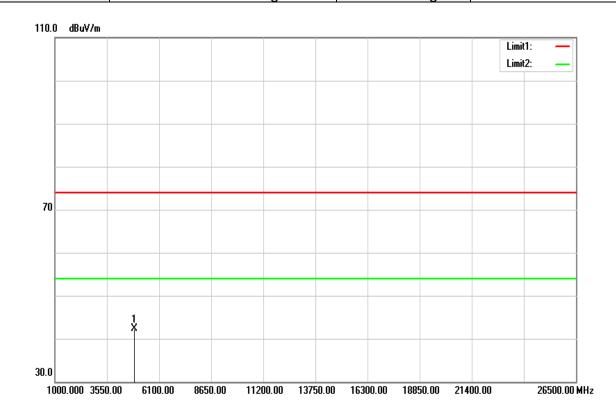
| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|--------------------|-------------------|-----------------------------|--------------------|-------------------|----------------|--------|
| 4904.000 | 38.62 | 4.51 | 43.13 | 74.00 | -30.87 | peak |
| N/A | | | | | | |
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Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit



| Test Mode | IEEE 802.11n 40 MHz High CH | Temp/Hum | 24(°C)/ 33%RH |
|-----------|--------------------------------|---------------|------------------|
| Test Item | Test Item Harmonic | | February 9, 2018 |
| Polarize | Horizontal | Test Engineer | Jerry Chuang |
| Detector | Peak and Average | Test Voltage | 5Vdc |

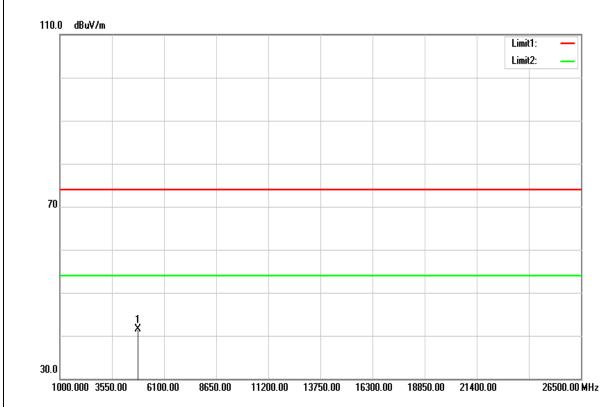


| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|--------------------|-------------------|-----------------------------|--------------------|-------------------|----------------|--------|
| 4904.000 | 37.74 | 4.51 | 42.25 | 74.00 | -31.75 | peak |
| N/A | | | | | | |
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- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

For 2TX

| Test Mode | IEEE 802.11n 20 MHz Low CH | Temp/Hum | 24(°C)/ 33%RH |
|-----------|-------------------------------|---------------|------------------|
| Test Item | Harmonic | Test Date | January 17, 2018 |
| Polarize | Vertical | Test Engineer | Jerry Chuang |
| Detector | Peak and Average | Test Voltage | 5Vdc |

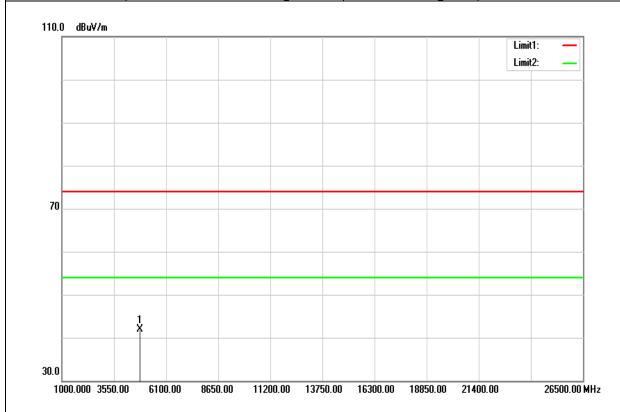


| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|--------------------|-------------------|-----------------------------|--------------------|-------------------|----------------|--------|
| 4824.000 | 37.06 | 4.38 | 41.44 | 74.00 | -32.56 | peak |
| N/A | | | | | | |
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Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. For above 1GHz,the EUT peak value was under average limit, therefore the Average value compliance with the average limit

| Test Mode | IEEE 802.11n 20 MHz Low CH | Temp/Hum | 24(°C)/ 33%RH |
|-----------|-------------------------------|---------------|------------------|
| Test Item | Test Item Harmonic | | January 17, 2018 |
| Polarize | Horizontal | Test Engineer | Jerry Chuang |
| Detector | Peak and Average | Test Voltage | 5Vdc |

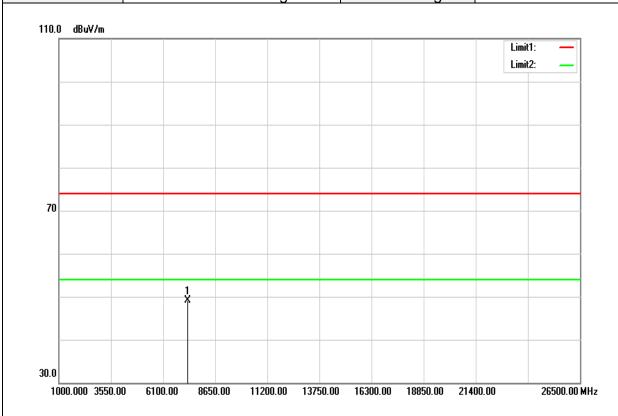


| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|--------------------|-------------------|-----------------------------|--------------------|-------------------|----------------|--------|
| 4824.000 | 37.55 | 4.38 | 41.93 | 74.00 | -32.07 | peak |
| N/A | | | | | | |
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- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

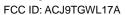


| Test Mode | IEEE 802.11n 20 MHz Mid CH | Temp/Hum | 24(°C)/ 33%RH |
|-----------|-------------------------------|---------------|------------------|
| Test Item | Harmonic | Test Date | January 16, 2018 |
| Polarize | Vertical | Test Engineer | Jerry Chuang |
| Detector | Peak and Average | Test Voltage | 5Vdc |

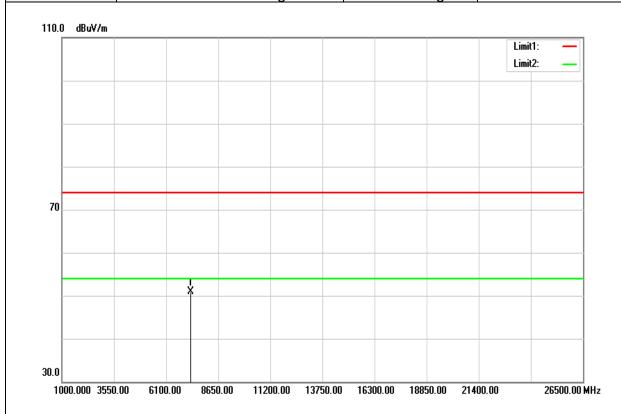


| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|--------------------|-------------------|-----------------------------|--------------------|-------------------|----------------|--------|
| 7305.000 | 38.67 | 10.44 | 49.11 | 74.00 | -24.89 | peak |
| N/A | | | | | | |
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- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit



IEEE 802.11n 20 MHz Mid 24(°C)/33%RH Test Mode Temp/Hum CH January 16, 2018 **Test Date** Test Item Harmonic Jerry Chuang **Polarize** Test Engineer Horizontal Detector Peak and Average Test Voltage 5Vdc



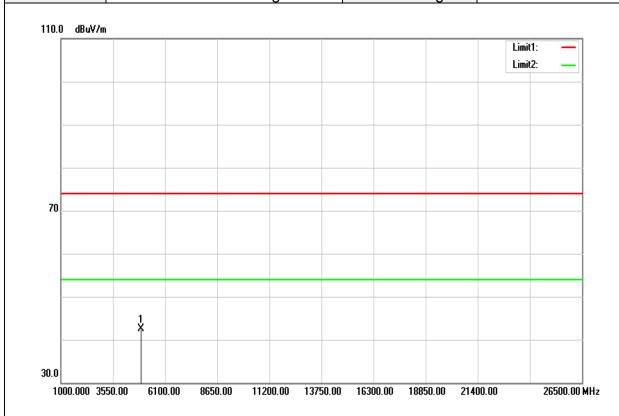
| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|--------------------|-------------------|-----------------------------|--------------------|-------------------|----------------|--------|
| 7315.000 | 40.39 | 10.45 | 50.84 | 74.00 | -23.16 | peak |
| N/A | | | | | | |
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Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. For above 1GHz,the EUT peak value was under average limit, therefore the Average value compliance with the average limit



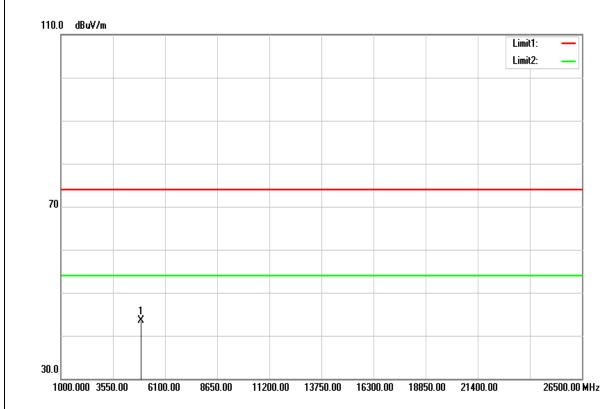
| | Test Mode | IEEE 802.11n 20 MHz High CH | Temp/Hum | 24(°C)/ 33%RH |
|--|--|-----------------------------|---------------|------------------|
| | Test Item Harmonic Polarize Vertical Detector Peak and Average | | Test Date | January 17, 2018 |
| | | | Test Engineer | Jerry Chuang |
| | | | Test Voltage | 5Vdc |



| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|--------------------|-------------------|-----------------------------|--------------------|-------------------|----------------|--------|
| 4924.000 | 37.91 | 4.55 | 42.46 | 74.00 | -31.54 | peak |
| N/A | | | | | | |
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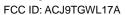
- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. For above 1GHz,the EUT peak value was under average limit, therefore the Average value compliance with the average limit

| Test Mode | IEEE 802.11n 20 MHz High CH | Temp/Hum | 24(°C)/ 33%RH |
|-----------|--------------------------------|---------------|------------------|
| Test Item | Harmonic | Test Date | January 17, 2018 |
| Polarize | Horizontal | Test Engineer | Jerry Chuang |
| Detector | Peak and Average | Test Voltage | 5Vdc |

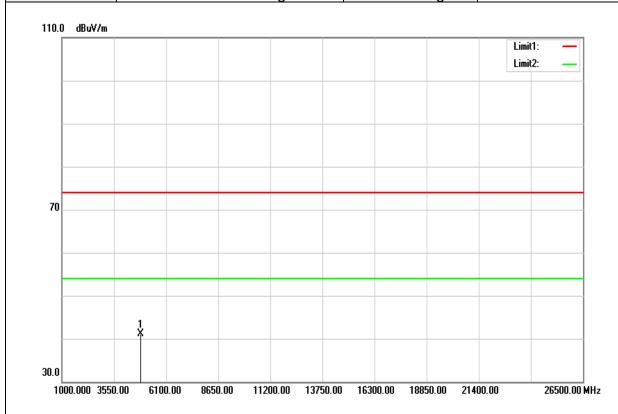


| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|--------------------|-------------------|-----------------------------|--------------------|-------------------|----------------|--------|
| 4924.000 | 38.86 | 4.55 | 43.41 | 74.00 | -30.59 | peak |
| N/A | | | | | | |
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- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. For above 1GHz,the EUT peak value was under average limit, therefore the Average value compliance with the average limit



IEEE 802.11n 40 MHz Low Test Mode 24(°C)/33%RH Temp/Hum CH January 17, 2018 **Test Date** Test Item Harmonic Jerry Chuang **Polarize** Vertical Test Engineer Detector Peak and Average Test Voltage 5Vdc



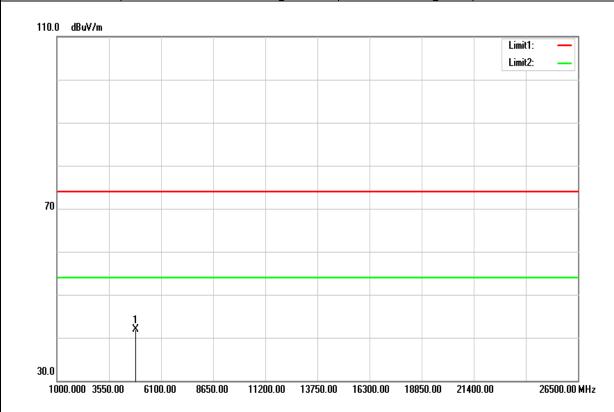
| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|--------------------|-------------------|-----------------------------|--------------------|-------------------|----------------|--------|
| 4844.000 | 36.72 | 4.41 | 41.13 | 74.00 | -32.87 | peak |
| N/A | | | | | | |
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Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. For above 1GHz,the EUT peak value was under average limit, therefore the Average value compliance with the average limit

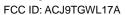


| | Test Mode IEEE 802.11n 40 MHz Low CH | | Temp/Hum | 24(°C)/ 33%RH |
|---|--------------------------------------|------------|---------------|------------------|
| ſ | Test Item Harmonic | | Test Date | January 17, 2018 |
| Ī | Polarize | Horizontal | Test Engineer | Jerry Chuang |
| ſ | Detector Peak and Average | | Test Voltage | 5Vdc |

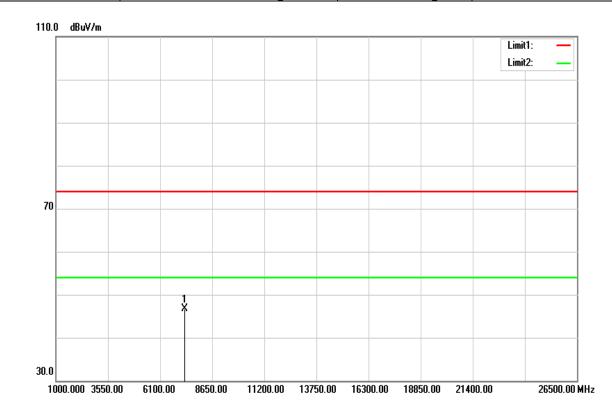


| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|--------------------|-------------------|-----------------------------|--------------------|-------------------|----------------|--------|
| 4844.000 | 37.42 | 4.41 | 41.83 | 74.00 | -32.17 | peak |
| N/A | | | | | | |
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- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit



| | Test Mode | IEEE 802.11n 40 MHz Mid CH | Temp/Hum | 24(°C)/ 33%RH | |
|-----------|-----------|-------------------------------|---------------|------------------|--|
| Test Item | | Harmonic | Test Date | January 16, 2018 | |
| | Polarize | Vertical | Test Engineer | Jerry Chuang | |
| | Detector | Peak and Average | Test Voltage | 5Vdc | |

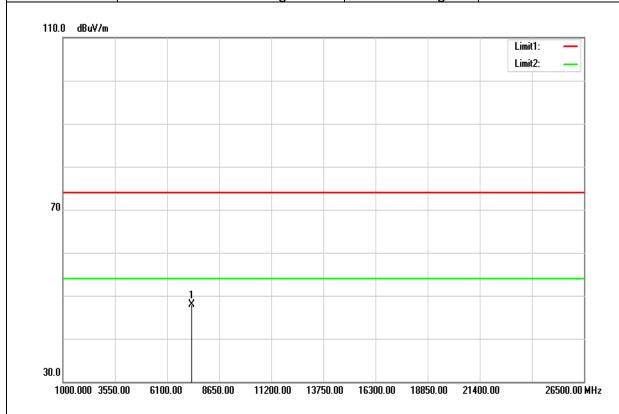


| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|--------------------|-------------------|-----------------------------|--------------------|-------------------|----------------|--------|
| 7311.000 | 36.28 | 10.44 | 46.72 | 74.00 | -27.28 | peak |
| N/A | | | | | | |
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- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. For above 1GHz,the EUT peak value was under average limit, therefore the Average value compliance with the average limit



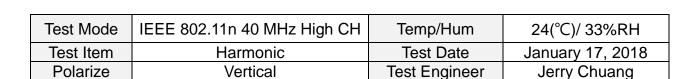
IEEE 802.11n 40 MHz Mid 24(°C)/33%RH Test Mode Temp/Hum CH January 16, 2018 **Test Date** Test Item Harmonic Jerry Chuang **Polarize** Test Engineer Horizontal Test Voltage Detector Peak and Average 5Vdc

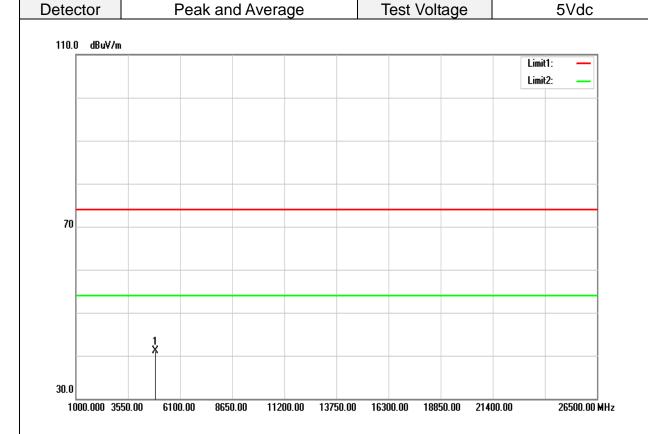


| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|--------------------|-------------------|-----------------------------|--------------------|-------------------|----------------|--------|
| 7312.000 | 37.51 | 10.44 | 47.95 | 74.00 | -26.05 | peak |
| N/A | | | | | | |
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Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. For above 1GHz,the EUT peak value was under average limit, therefore the Average value compliance with the average limit



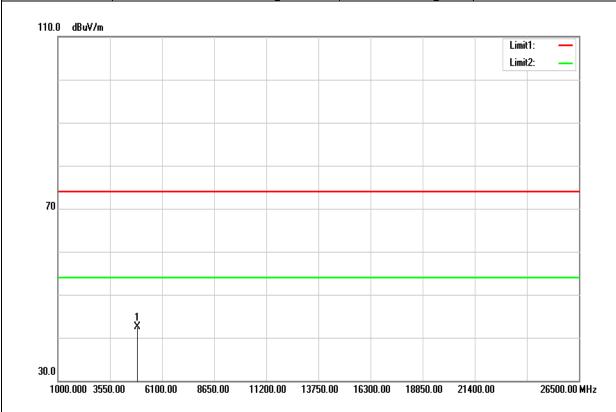


| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|--------------------|-------------------|-----------------------------|--------------------|-------------------|----------------|--------|
| 4904.000 | 36.53 | 4.51 | 41.04 | 74.00 | -32.96 | peak |
| N/A | | | | | | |
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- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit



| | Test Mode | IEEE 802.11n 40 MHz High CH | Temp/Hum | 24(°C)/ 33%RH | |
|-----------|-----------|--------------------------------|---------------|------------------|--|
| Test Item | | Harmonic | Test Date | January 17, 2018 | |
| | Polarize | Horizontal | Test Engineer | Jerry Chuang | |
| | Detector | Peak and Average | Test Voltage | 5Vdc | |



| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|--------------------|-------------------|-----------------------------|--------------------|-------------------|----------------|--------|
| 4904.000 | 38.02 | 4.51 | 42.53 | 74.00 | -31.47 | peak |
| N/A | | | | | | |
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- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit