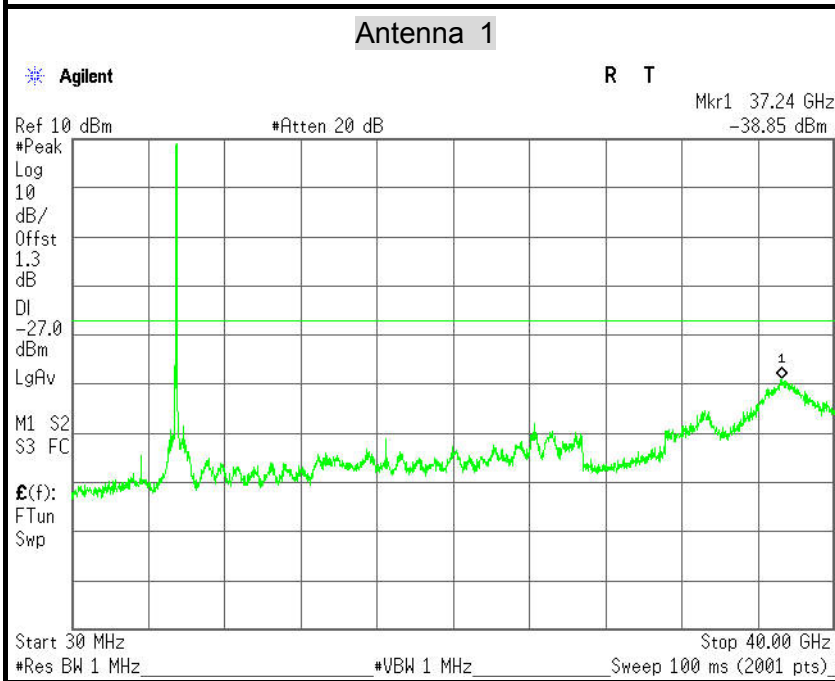


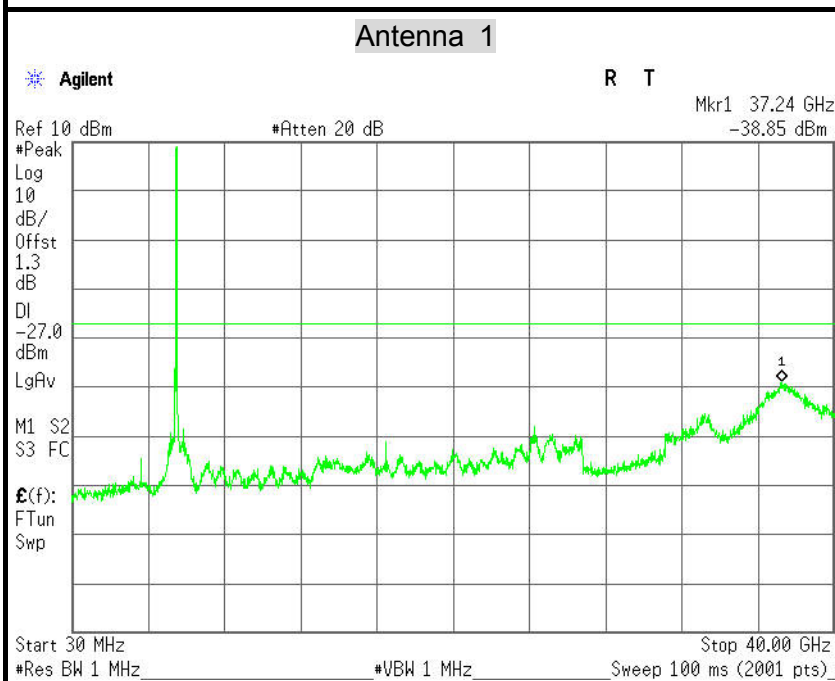


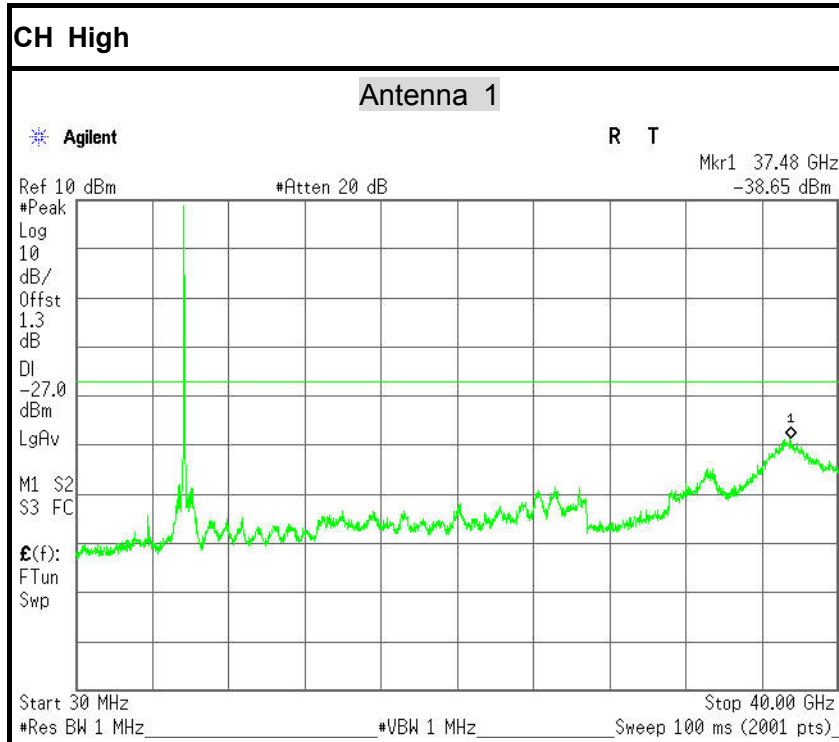
IEEE 802.11n HT 20 MHz mode / 5500 ~ 5700MHz

CH Low

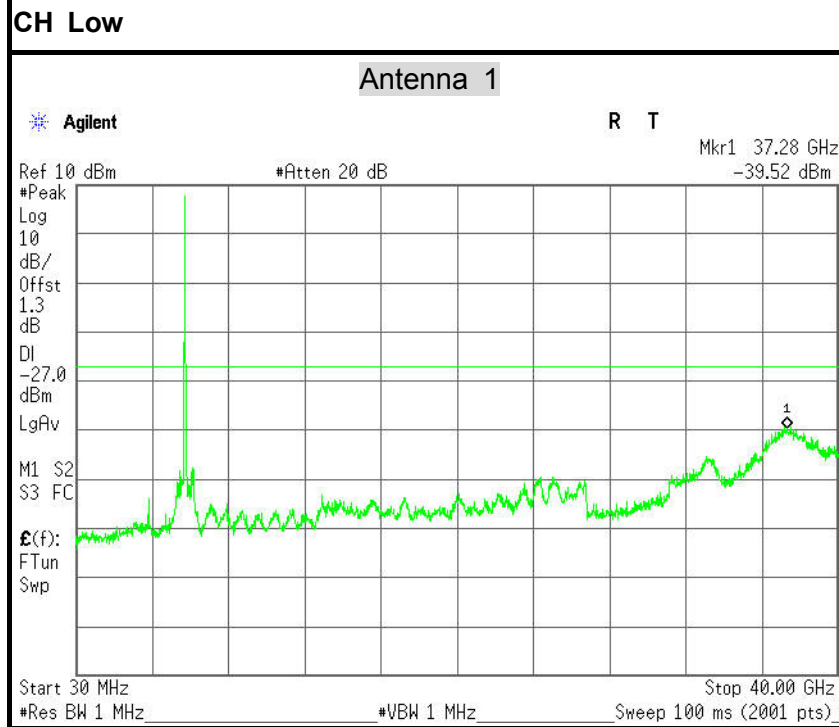


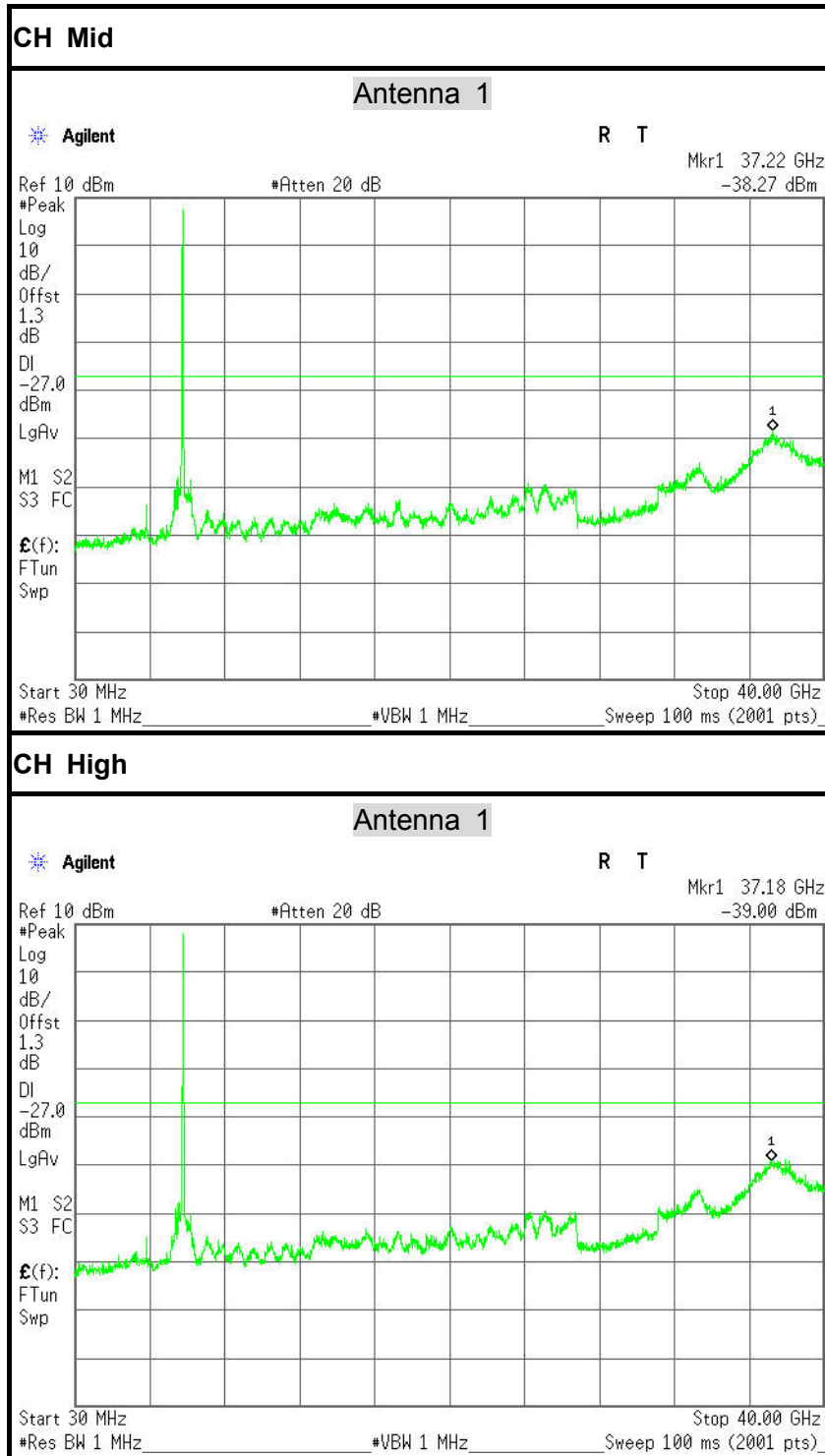
CH Mid





### IEEE 802.11n HT 20 MHz mode / 5745 ~ 5805MHz

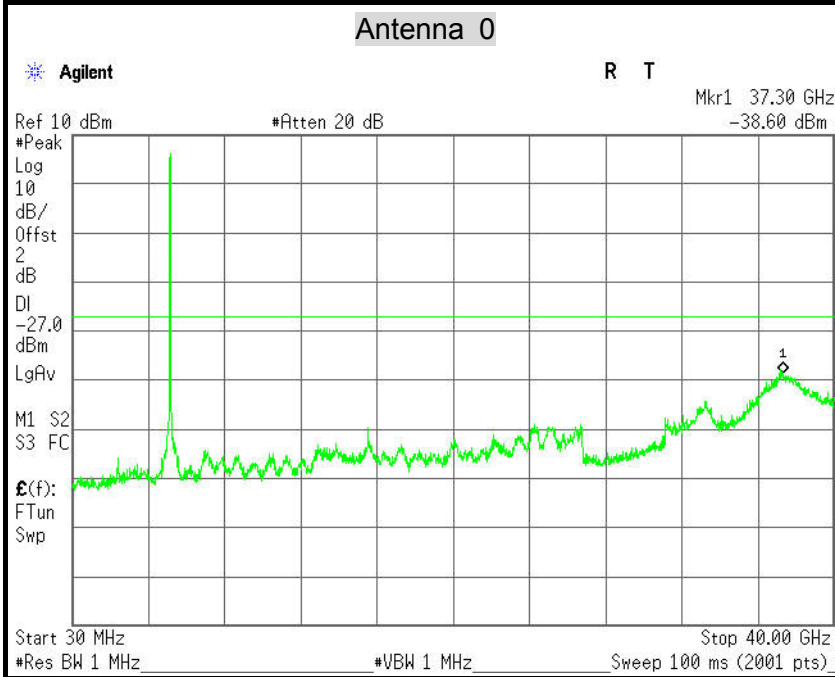




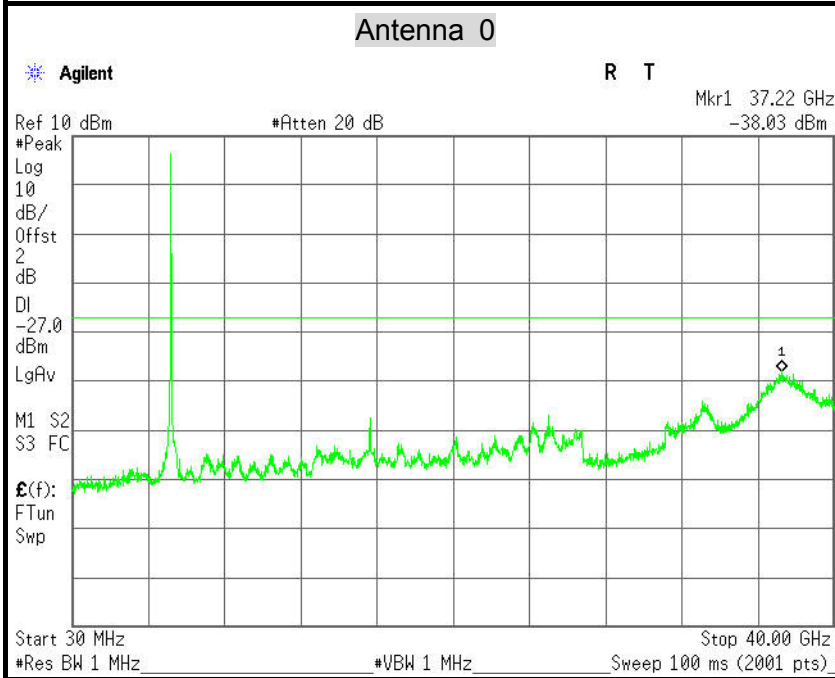


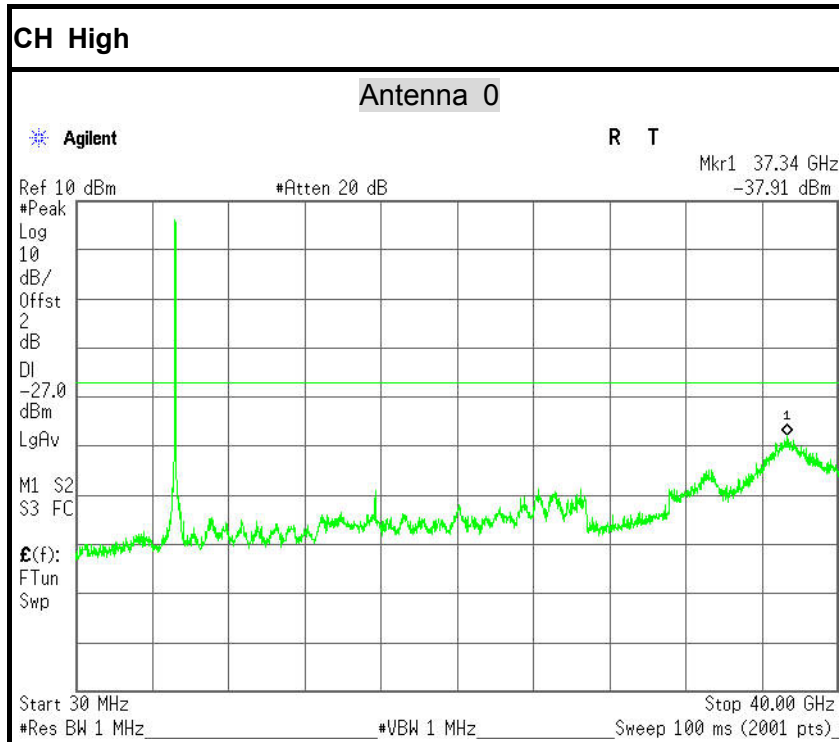
IEEE 802.11n HT 20 MHz SISO mode / 5180 ~ 5240MHz

CH Low

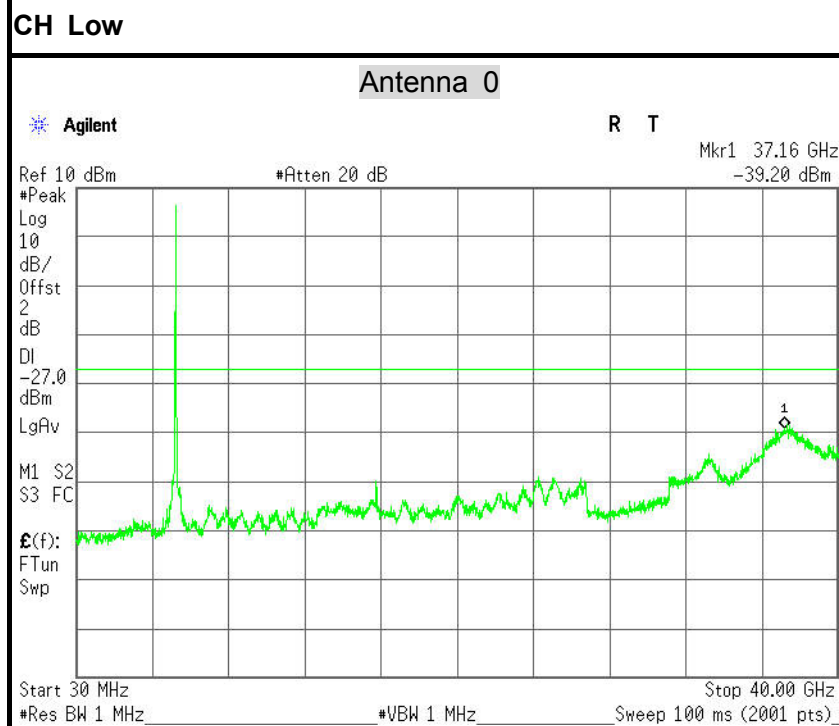


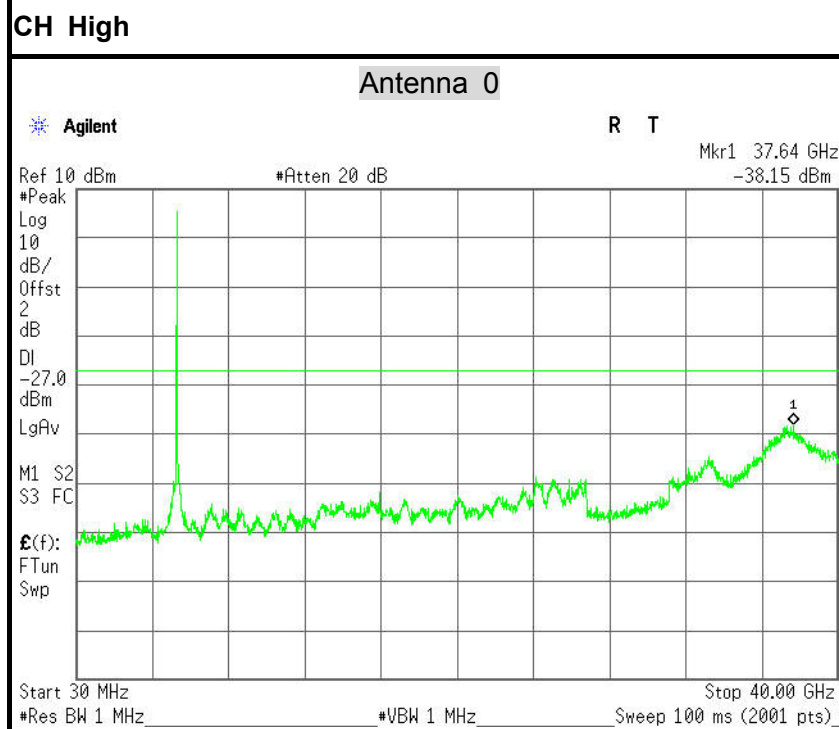
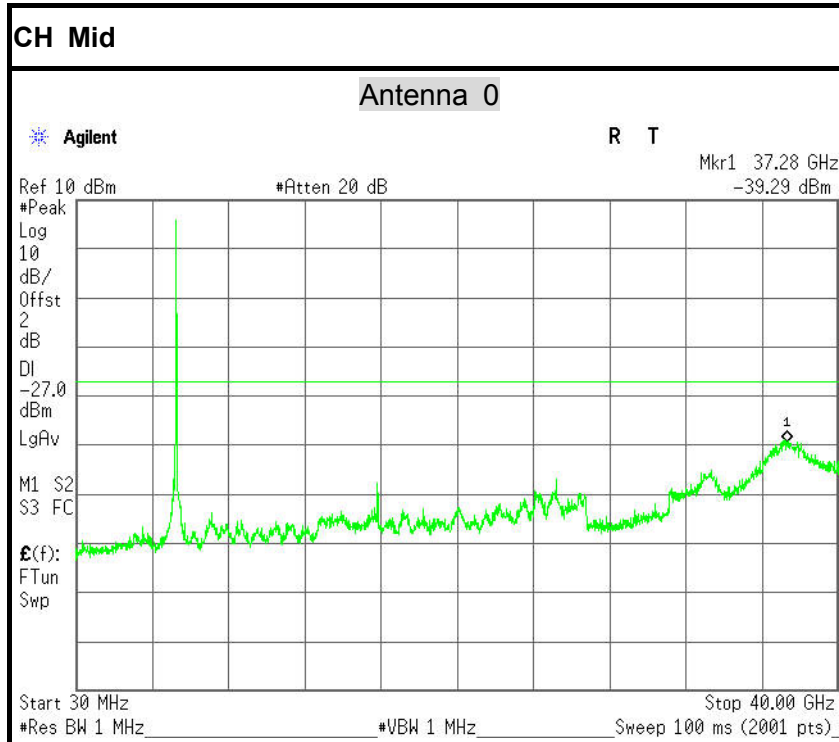
CH Mid





### IEEE 802.11n HT 20 MHz SISO mode / 5260 ~ 5320MHz

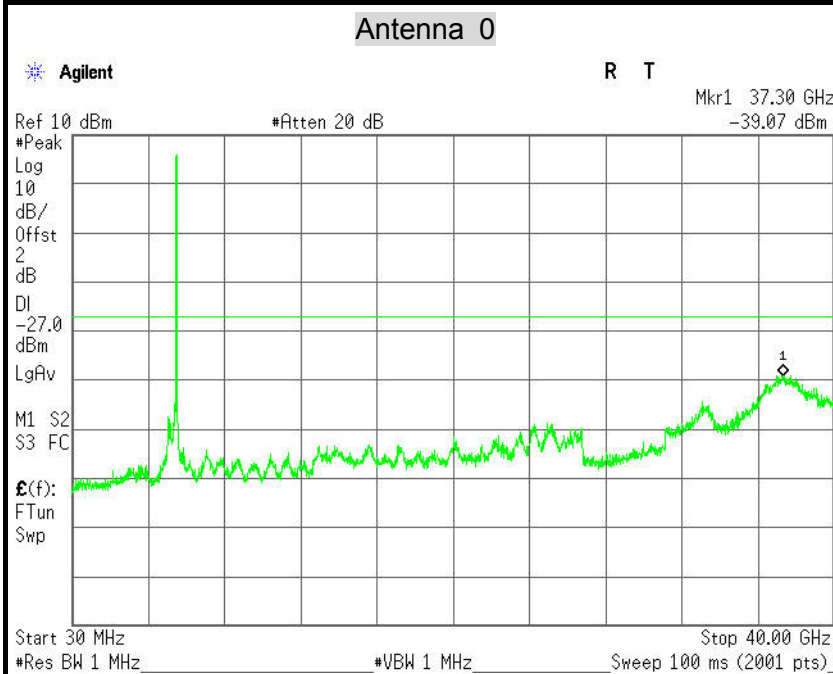




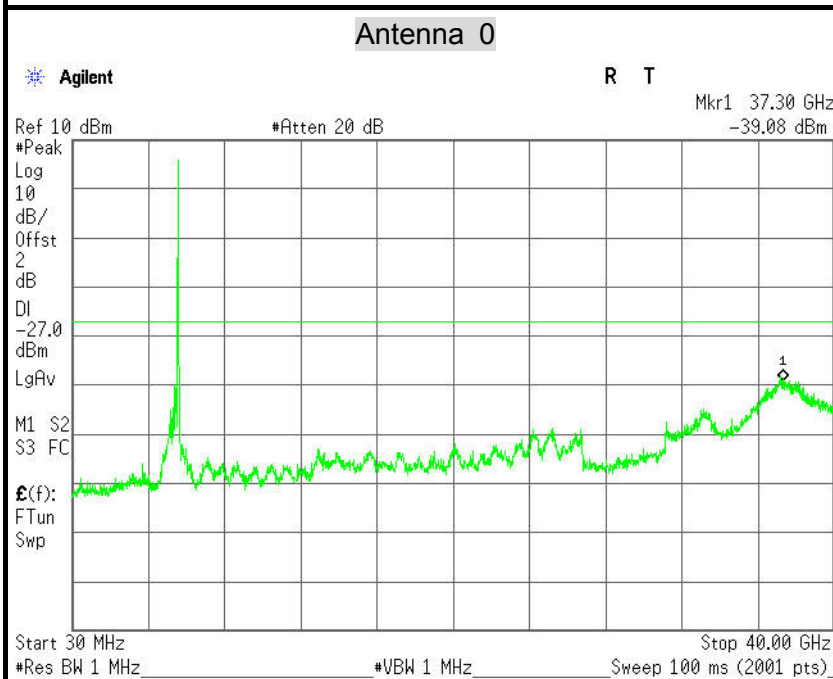


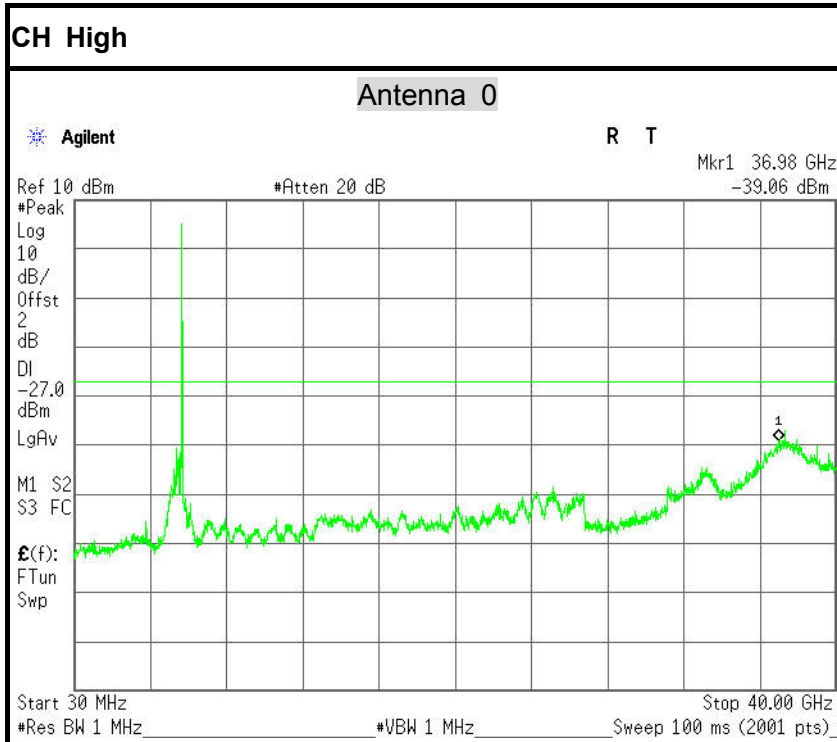
IEEE 802.11n HT 20 MHz SISO mode / 5500 ~ 5700MHz

CH Low

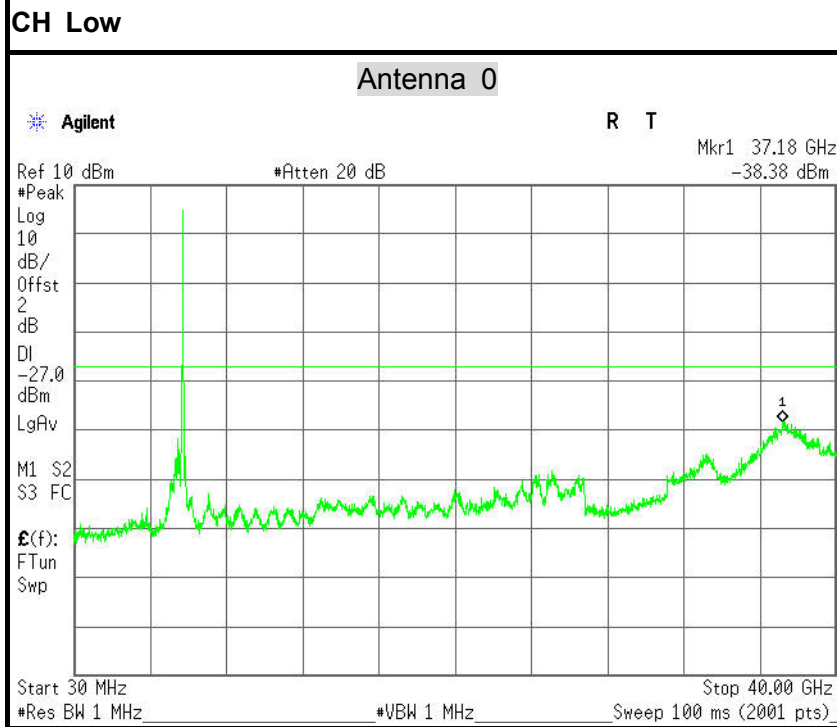


CH Mid

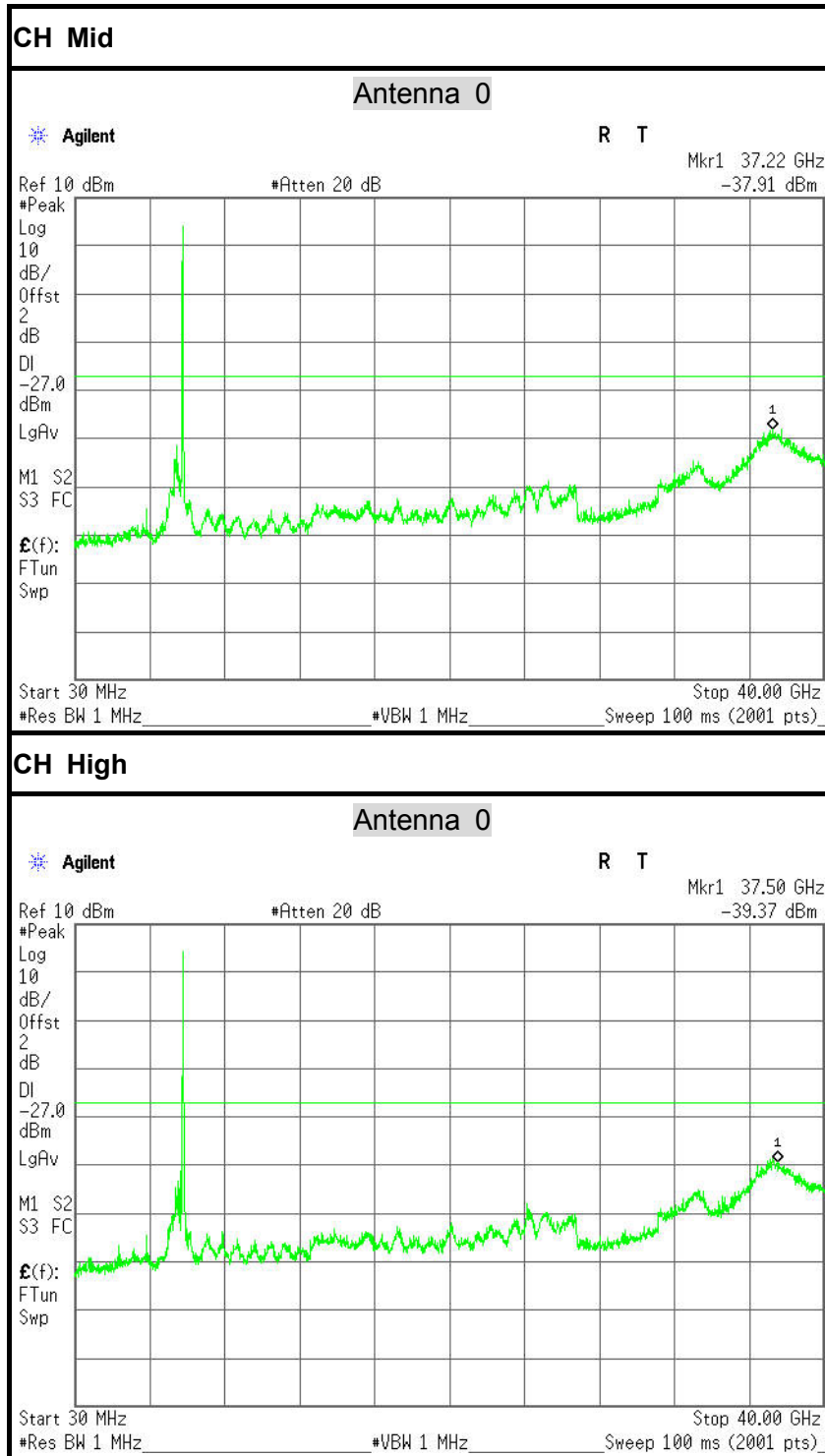




### IEEE 802.11n HT 20 MHz SISO mode / 5745 ~ 5805MHz



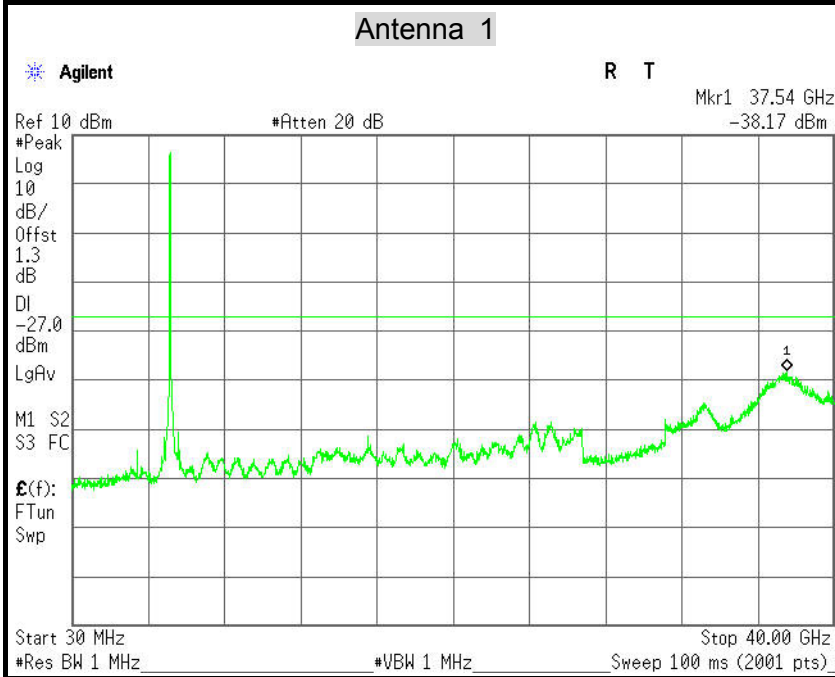




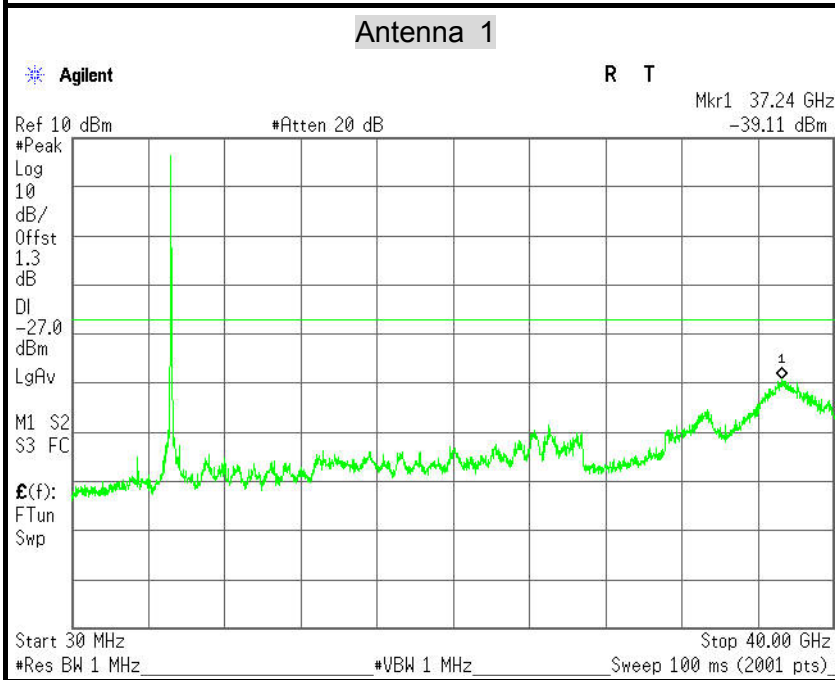


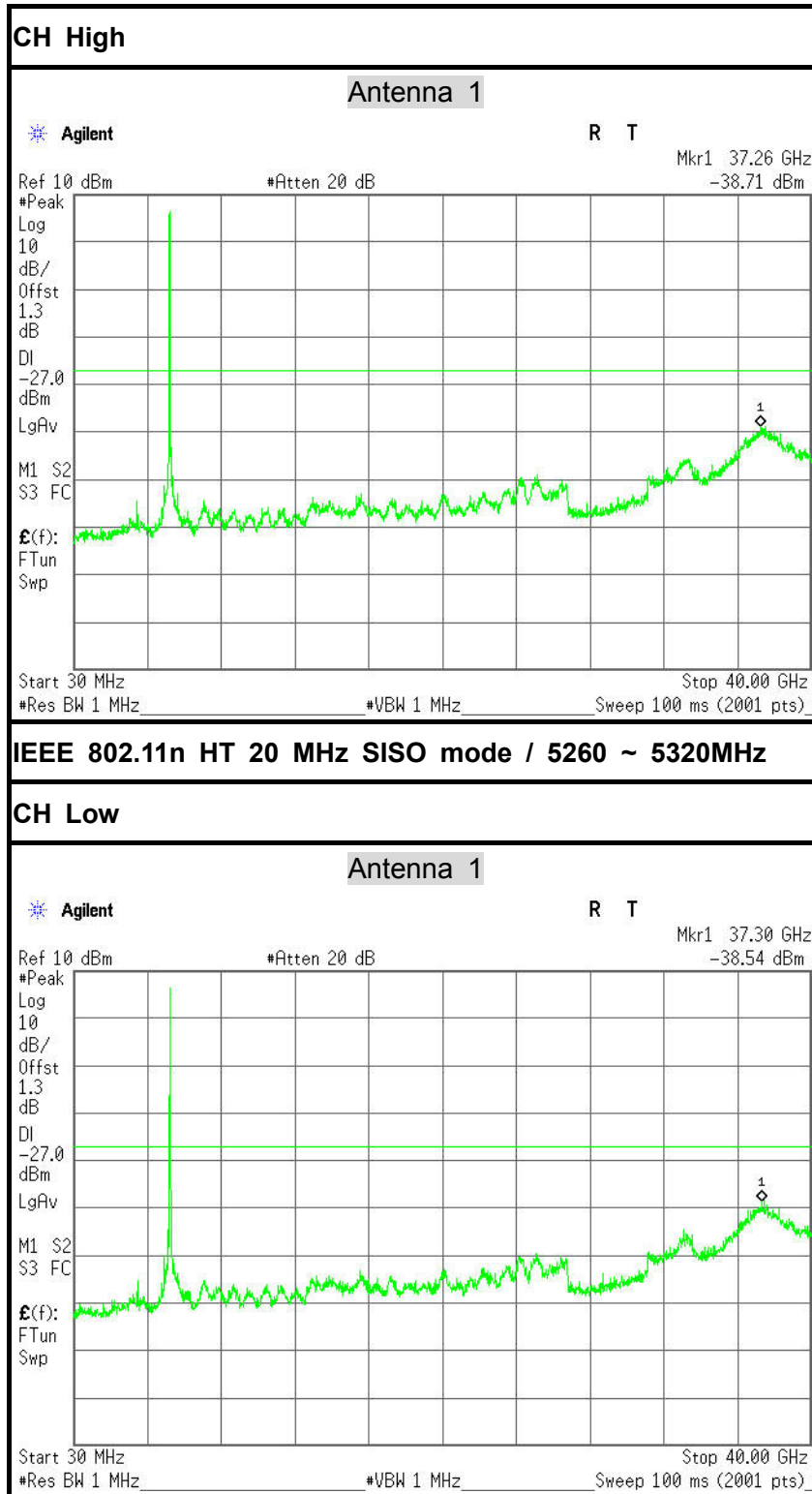
IEEE 802.11n HT 20 MHz SISO mode / 5180 ~ 5240MHz

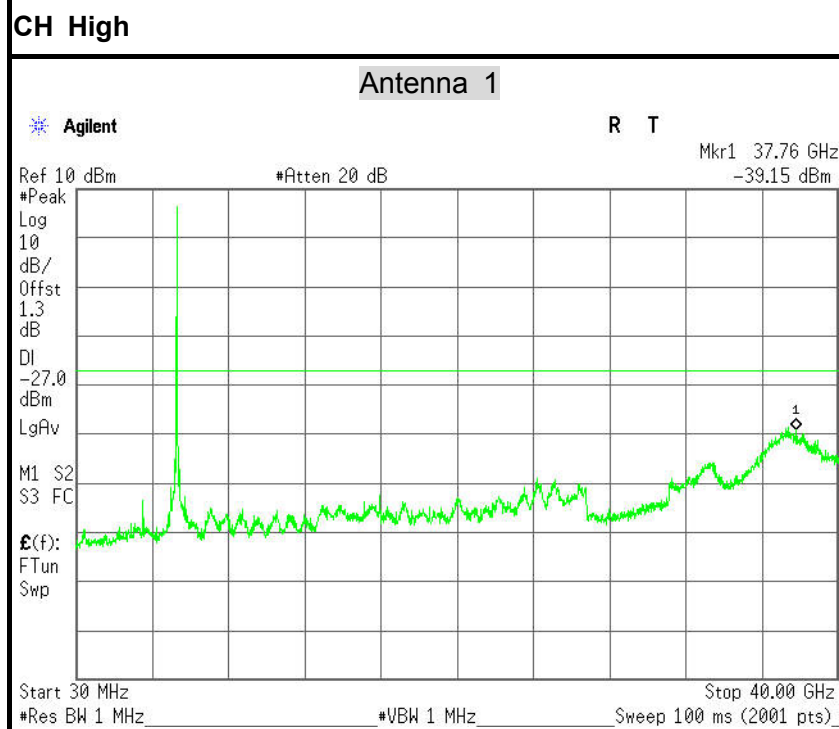
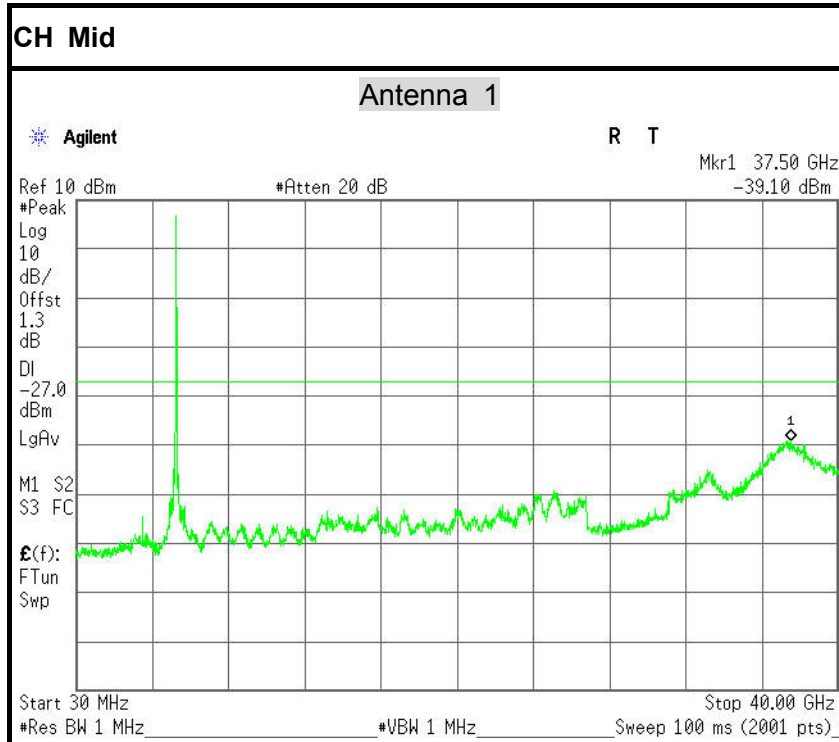
CH Low



CH Mid



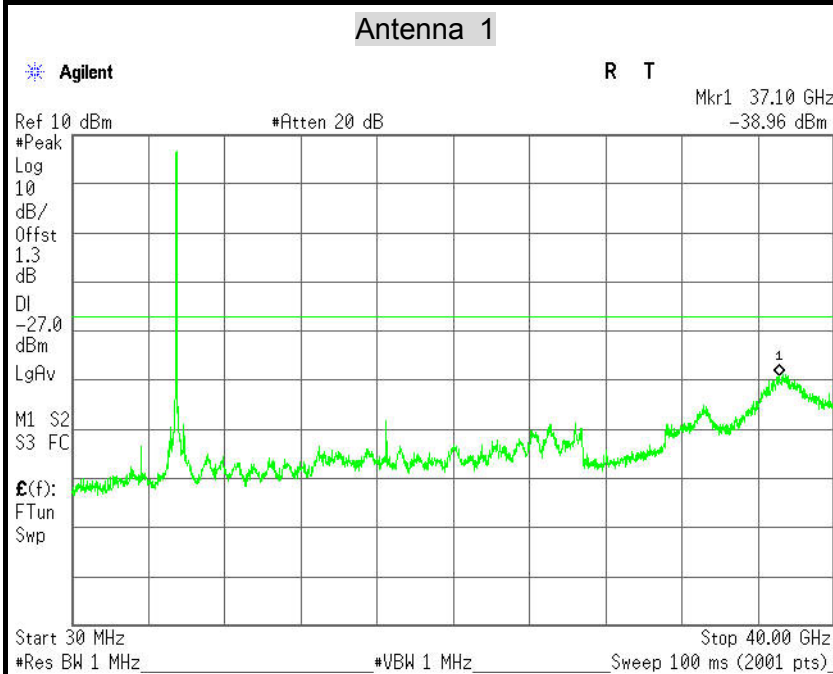




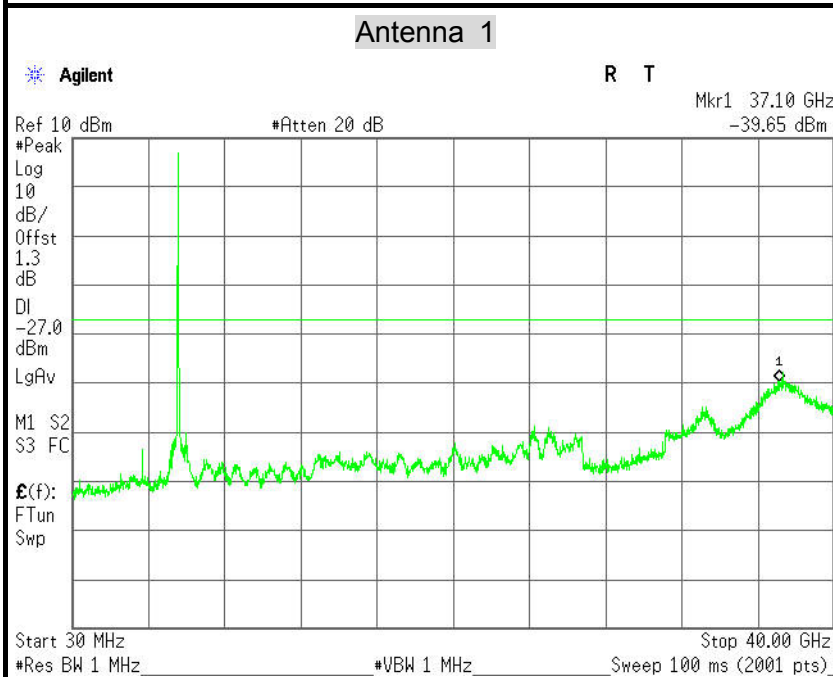


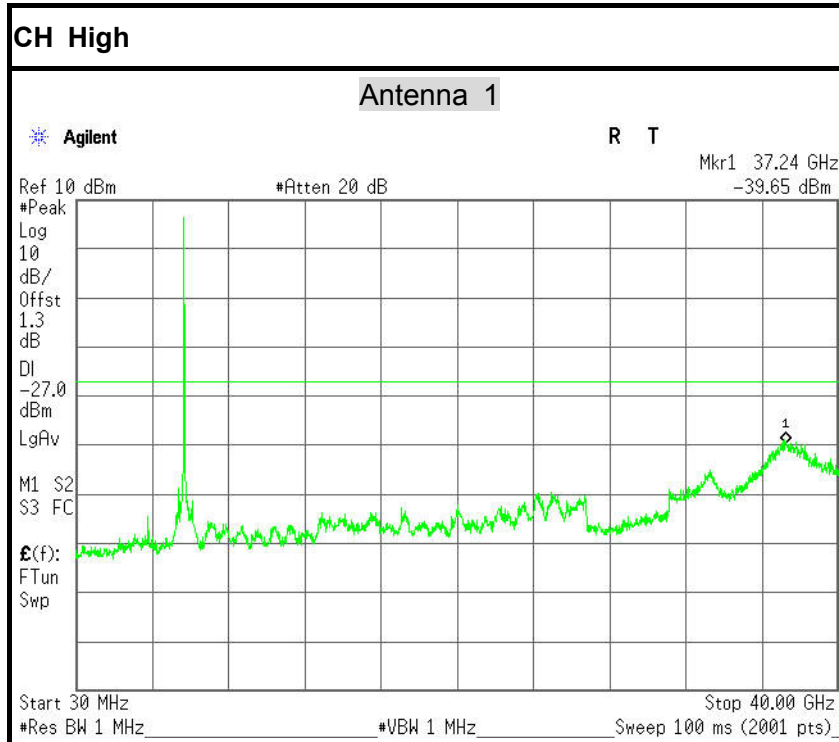
IEEE 802.11n HT 20 MHz SISO mode / 5500 ~ 5700MHz

CH Low

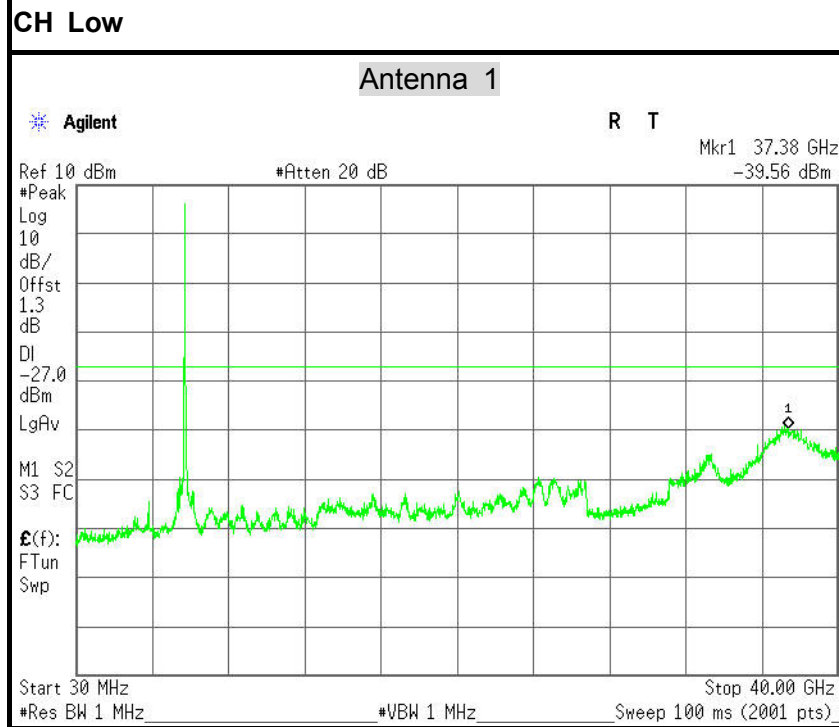


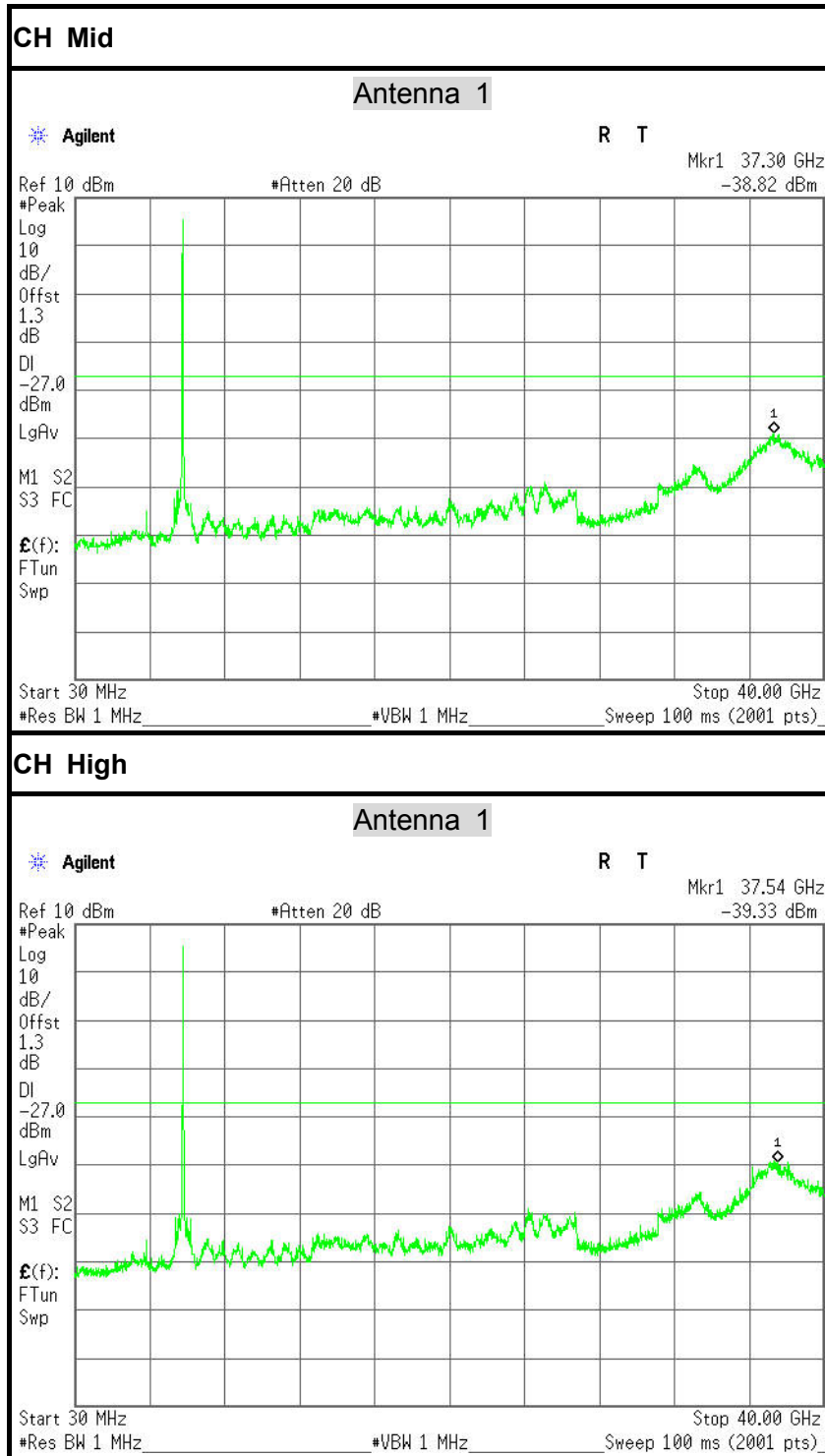
CH Mid





IEEE 802.11n HT 20 MHz SISO mode / 5745 ~ 5805MHz







### 7.9 POWERLINE CONDUCTED EMISSIONS S

#### 7.9.1 LIMIT

According to §15.207(a) & RSS-Gen §7.2.4, except as shown in paragraphs (b) and (c) of this section, for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table, as measured using a 50 μH/50 ohms line impedance stabilization network (LISN). Compliance with the provisions of this paragraph shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminal. The lower limit applies at the boundary between the frequency ranges.

| Frequency Range (MHz) | Limits (dBμV) |           |
|-----------------------|---------------|-----------|
|                       | Quasi-peak    | Average   |
| 0.15 to 0.50          | 66 to 56*     | 56 to 46* |
| 0.50 to 5             | 56            | 46        |
| 5 to 30               | 60            | 50        |

\* Decreases with the logarithm of the frequency.

#### 7.9.2 TEST INSTRUMENTS

| Conducted Emission Test Site |               |                    |               |                  |                 |
|------------------------------|---------------|--------------------|---------------|------------------|-----------------|
| Name of Equipment            | Manufacturer  | Model Number       | Serial Number | Last Calibration | Due Calibration |
| EMI TEST RECEIVER            | ROHDE&SCHWARZ | ESCI               | 100783        | 03/09/2014       | 03/08/2015      |
| LISN(EUT)                    | ROHDE&SCHWARZ | ENV216             | 101543-WX     | 04/20/2014       | 04/19/2015      |
| LISN                         | EMCO          | 3825/2             | 8901-1459     | 03/09/2014       | 03/08/2015      |
| Temp. / Humidity Meter       | VICTOR        | HTC-1              | N/A           | 03/17/2014       | 03/17/2015      |
| Test S/W                     | FARAD         | EZ-EMC/ CCS-3A1-CE |               |                  |                 |

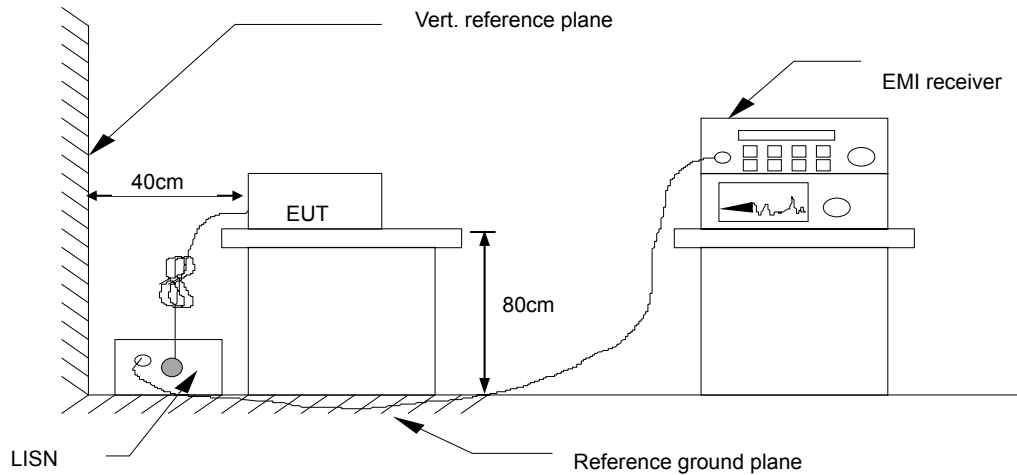
**NOTE:** 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

2. N.C.R = No Calibration Request.





### 7.9.3 TEST CONFIGURATION



### 7.9.4 TEST PROCEDURE

1. The EUT was placed on a table, which is 0.8m above ground plane.
2. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
3. Repeat above procedures until all frequency measured were complete.

### 7.9.5 DATA SAMPLE

| Frequency (MHz) | QuasiPeak Reading (dBuV) | Average Reading (dBuV) | Correction Factor (dB) | QuasiPeak Result (dBuV) | Average Result (dBuV) | QuasiPeak Limit (dBuV) | Average Limit (dBuV) | QuasiPeak Margin (dB) | Average Margin (dB) | Remark (Pass/Fail) |
|-----------------|--------------------------|------------------------|------------------------|-------------------------|-----------------------|------------------------|----------------------|-----------------------|---------------------|--------------------|
| X.XXXX          | 32.69                    | 25.65                  | 11.52                  | 44.21                   | 37.17                 | 65.78                  | 55.79                | -21.57                | -18.62              | Pass               |

Factor = Insertion loss of LISN + Cable Loss  
Result = Quasi-peak Reading/ Average Reading + Factor  
Limit = Limit stated in standard  
Margin = Result (dBuV) – Limit (dBuV)



7.9.6 TEST RESULTS

|                                 |              |                  |                       |
|---------------------------------|--------------|------------------|-----------------------|
| <b>Model No.</b>                | K1401        | <b>RBW,VBW</b>   | 9 kHz                 |
| <b>Environmental Conditions</b> | 22°C, 45% RH | <b>Test Mode</b> | HDMI Out + Adapter 1# |
| <b>Tested by</b>                | Sun Guo      | <b>Line</b>      | L1                    |

| Frequency (MHz) | QuasiPeak Reading (dBuV) | Average Reading (dBuV) | Correction Factor (dB) | QuasiPeak Result (dBuV) | Average Result (dBuV) | QuasiPeak Limit (dBuV) | Average Limit (dBuV) | QuasiPeak Margin (dB) | Average Margin (dB) | Remark (Pass/Fail) | Line (L1/L2) |
|-----------------|--------------------------|------------------------|------------------------|-------------------------|-----------------------|------------------------|----------------------|-----------------------|---------------------|--------------------|--------------|
| 0.3700          | 42.55                    | 31.78                  | 9.68                   | 52.23                   | 41.46                 | 58.50                  | 48.50                | -6.27                 | -7.04               | Pass               | L1           |
| 0.4140          | 42.09                    | 33.26                  | 9.68                   | 51.77                   | 42.94                 | 57.57                  | 47.57                | -5.80                 | -4.63               | Pass               | L1           |
| 0.8260          | 38.86                    | 29.15                  | 9.76                   | 48.62                   | 38.91                 | 56.00                  | 46.00                | -7.38                 | -7.09               | Pass               | L1           |
| 1.1660          | 38.82                    | 29.34                  | 9.71                   | 48.53                   | 39.05                 | 56.00                  | 46.00                | -7.47                 | -6.95               | Pass               | L1           |
| 2.1780          | 38.63                    | 27.69                  | 9.72                   | 48.35                   | 37.41                 | 56.00                  | 46.00                | -7.65                 | -8.59               | Pass               | L1           |
| 5.0620          | 38.59                    | 23.00                  | 9.68                   | 48.27                   | 32.68                 | 60.00                  | 50.00                | -11.73                | -17.32              | Pass               | L1           |
| 0.4180          | 42.81                    | 31.88                  | 9.71                   | 52.52                   | 41.59                 | 57.49                  | 47.49                | -4.97                 | -5.90               | Pass               | L2           |
| 0.5220          | 38.97                    | 28.14                  | 9.68                   | 48.65                   | 37.82                 | 56.00                  | 46.00                | -7.35                 | -8.18               | Pass               | L2           |
| 0.8860          | 38.72                    | 27.10                  | 9.76                   | 48.48                   | 36.86                 | 56.00                  | 46.00                | -7.52                 | -9.14               | Pass               | L2           |
| 1.1460          | 38.64                    | 26.56                  | 9.80                   | 48.44                   | 36.36                 | 56.00                  | 46.00                | -7.56                 | -9.64               | Pass               | L2           |
| 1.4460          | 38.19                    | 25.17                  | 9.78                   | 47.97                   | 34.95                 | 56.00                  | 46.00                | -8.03                 | -11.05              | Pass               | L2           |
| 5.3700          | 39.07                    | 25.49                  | 9.78                   | 48.85                   | 35.27                 | 60.00                  | 50.00                | -11.15                | -14.73              | Pass               | L2           |

**Remark:**

1. Measuring frequencies from 0.15 MHz to 30MHz.
2. The emissions measured in frequency range from 0.15 MHz to 30MHz were made with an instrument using Quasi-peak detector and average detector.
3. The IF bandwidth of SPA between 0.15MHz to 30MHz was 10kHz; the IF bandwidth of Test Receiver between 0.15MHz to 30MHz was 9kHz;
4. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line)



### 7.10 FREQUENCY STABILITY

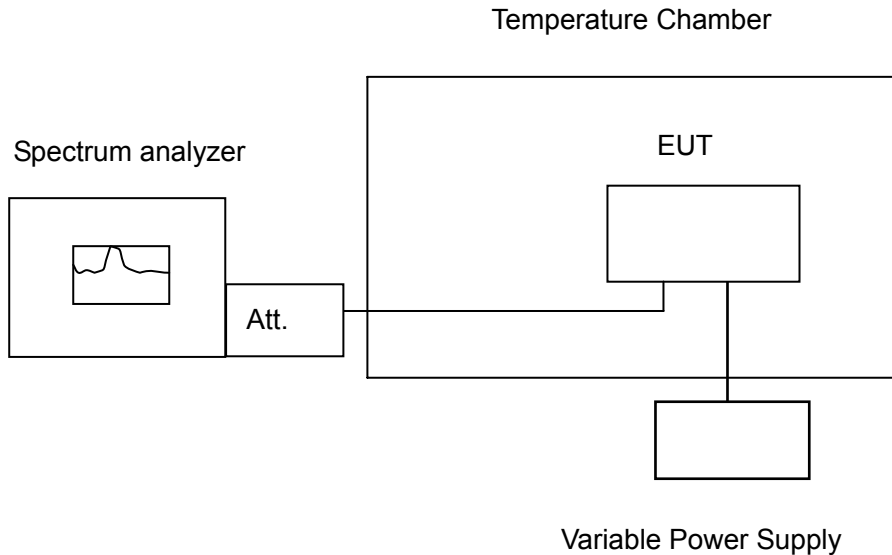
#### 7.10.1 LIMIT

According to §15.407(g) & RSS-210 §A9.5(5), manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the operational description.

#### 7.10.2 TEST INSTRUMENTS

| Name of Equipment      | Manufacturer | Model Number | Serial Number | Last Calibration | Due Calibration |
|------------------------|--------------|--------------|---------------|------------------|-----------------|
| Spectrum Analyzer      | Agilent      | E4446A       | US44300399    | 03/01/2014       | 03/01/2015      |
| DC Power Supply        | DAZHENG      | PS-605D      | 20018978      | N.C.R            | N.C.R           |
| AC POWER SOURCE        | UMART        | HPA1010      | N/A           | N.C.R            | N.C.R           |
| Power Meter            | Anritsu      | ML2495A      | 1204003       | 03/01/2014       | 03/01/2015      |
| Power Sensor           | Anritsu      | MA2411B      | 1126150       | 03/01/2014       | 03/01/2015      |
| Temperature Chamber    | TERCHY       | MHG-800N     | E21104        | 11/18/2013       | 11/18/2014      |
| Temp. / Humidity Meter | Anymetre     | JR913        | N/A           | 02/28/2014       | 02/28/2015      |

#### 7.10.3 TEST CONFIGURATION



**Remark:** Measurement setup for testing on Antenna connector



#### **7.10.4 TEST PROCEDURE**

The equipment under test was connected to an external AC or DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and measure EUT 20°C operating frequency as reference frequency. Turn EUT off and set the chamber temperature to -20°C. After the temperature stabilized for approximately 30 minutes recorded the frequency. Repeat step measure with 10°C increased per stage until the highest temperature of +50°C reached.

#### **7.10.5 TEST RESULTS**

*No non-compliance noted.*



Test Data  
Antenna 0

IEEE 802.11a mode / 5180 ~ 5240MHz (Low)

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 50                           | 120        | 5179.990977              | 5150-5250   | PASS        |
| 40                           | 120        | 5179.971505              | 5150-5250   | PASS        |
| 30                           | 120        | 5179.973548              | 5150-5250   | PASS        |
| 20                           | 120        | 5179.966861              | 5150-5250   | PASS        |
| 10                           | 120        | 5179.956627              | 5150-5250   | PASS        |
| 0                            | 120        | 5179.988881              | 5150-5250   | PASS        |
| -10                          | 120        | 5179.959277              | 5150-5250   | PASS        |
| -20                          | 120        | 5179.965210              | 5150-5250   | PASS        |

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 20                           | 108        | 5179.955247              | 5150-5250   | PASS        |
|                              | 120        | 5179.966861              | 5150-5250   | PASS        |
|                              | 132        | 5179.991133              | 5150-5250   | PASS        |

IEEE 802.11a mode / 5180 ~ 5240MHz (High)

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 50                           | 120        | 5239.982590              | 5150-5250   | PASS        |
| 40                           | 120        | 5239.953294              | 5150-5250   | PASS        |
| 30                           | 120        | 5239.955777              | 5150-5250   | PASS        |
| 20                           | 120        | 5239.966397              | 5150-5250   | PASS        |
| 10                           | 120        | 5239.996175              | 5150-5250   | PASS        |
| 0                            | 120        | 5239.979636              | 5150-5250   | PASS        |
| -10                          | 120        | 5239.999155              | 5150-5250   | PASS        |
| -20                          | 120        | 5239.992775              | 5150-5250   | PASS        |

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 20                           | 108        | 5239.993427              | 5150-5250   | PASS        |
|                              | 120        | 5239.966397              | 5150-5250   | PASS        |
|                              | 132        | 5239.997197              | 5150-5250   | PASS        |



IEEE 802.11a mode / 5260 ~ 5320MHz (Low)

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 50                           | 120        | 5259.950863              | 5250-5350   | PASS        |
| 40                           | 120        | 5259.975986              | 5250-5350   | PASS        |
| 30                           | 120        | 5259.986818              | 5250-5350   | PASS        |
| 20                           | 120        | 5259.966120              | 5250-5350   | PASS        |
| 10                           | 120        | 5259.981946              | 5250-5350   | PASS        |
| 0                            | 120        | 5259.992438              | 5250-5350   | PASS        |
| -10                          | 120        | 5259.991141              | 5250-5350   | PASS        |
| -20                          | 120        | 5259.987560              | 5250-5350   | PASS        |

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 20                           | 108        | 5259.950193              | 5250-5350   | PASS        |
|                              | 120        | 5259.966120              | 5250-5350   | PASS        |
|                              | 132        | 5259.952103              | 5250-5350   | PASS        |

IEEE 802.11a mode / 5260 ~ 5320MHz (High)

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 50                           | 120        | 5319.978735              | 5250-5350   | PASS        |
| 40                           | 120        | 5319.962847              | 5250-5350   | PASS        |
| 30                           | 120        | 5319.997950              | 5250-5350   | PASS        |
| 20                           | 120        | 5319.965687              | 5250-5350   | PASS        |
| 10                           | 120        | 5319.951623              | 5250-5350   | PASS        |
| 0                            | 120        | 5319.976989              | 5250-5350   | PASS        |
| -10                          | 120        | 5319.976346              | 5250-5350   | PASS        |
| -20                          | 120        | 5319.966529              | 5250-5350   | PASS        |

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 20                           | 108        | 5319.975297              | 5250-5350   | PASS        |
|                              | 120        | 5319.965687              | 5250-5350   | PASS        |
|                              | 132        | 5319.956180              | 5250-5350   | PASS        |



IEEE 802.11a mode / 5500 ~ 5700MHz (Low)

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 50                           | 120        | 5499.976532              | 5475-5725   | PASS        |
| 40                           | 120        | 5499.989391              | 5475-5725   | PASS        |
| 30                           | 120        | 5499.973271              | 5475-5725   | PASS        |
| 20                           | 120        | 5499.964562              | 5475-5725   | PASS        |
| 10                           | 120        | 5499.972634              | 5475-5725   | PASS        |
| 0                            | 120        | 5499.999124              | 5475-5725   | PASS        |
| -10                          | 120        | 5499.997246              | 5475-5725   | PASS        |
| -20                          | 120        | 5499.975234              | 5475-5725   | PASS        |

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 20                           | 108        | 5499.990176              | 5475-5725   | PASS        |
|                              | 120        | 5499.964562              | 5475-5725   | PASS        |
|                              | 132        | 5499.999659              | 5475-5725   | PASS        |

IEEE 802.11a mode / 5500 ~ 5700MHz (High)

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 50                           | 120        | 5699.951825              | 5475-5725   | PASS        |
| 40                           | 120        | 5699.973096              | 5475-5725   | PASS        |
| 30                           | 120        | 5699.965555              | 5475-5725   | PASS        |
| 20                           | 120        | 5699.963397              | 5475-5725   | PASS        |
| 10                           | 120        | 5699.982120              | 5475-5725   | PASS        |
| 0                            | 120        | 5699.987890              | 5475-5725   | PASS        |
| -10                          | 120        | 5699.999239              | 5475-5725   | PASS        |
| -20                          | 120        | 5699.960428              | 5475-5725   | PASS        |

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 20                           | 108        | 5699.951216              | 5475-5725   | PASS        |
|                              | 120        | 5699.963397              | 5475-5725   | PASS        |
|                              | 132        | 5699.950021              | 5475-5725   | PASS        |



IEEE 802.11a mode / 5745 ~ 5805MHz (Low)

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 50                           | 120        | 5699.974779              | 5475-5725   | PASS        |
| 40                           | 120        | 5699.963259              | 5475-5725   | PASS        |
| 30                           | 120        | 5699.967131              | 5475-5725   | PASS        |
| 20                           | 120        | 5699.974779              | 5475-5725   | PASS        |
| 10                           | 120        | 5699.963259              | 5475-5725   | PASS        |
| 0                            | 120        | 5699.967131              | 5475-5725   | PASS        |
| -10                          | 120        | 5699.974779              | 5475-5725   | PASS        |
| -20                          | 120        | 5699.963259              | 5475-5725   | PASS        |

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 20                           | 108        | 5744.968433              | 5725-5825   | PASS        |
|                              | 120        | 5744.963078              | 5725-5825   | PASS        |
|                              | 132        | 5744.950069              | 5725-5825   | PASS        |

IEEE 802.11a mode / 5745 ~ 5805MHz (High)

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 50                           | 120        | 5804.973451              | 5725-5825   | PASS        |
| 40                           | 120        | 5804.955306              | 5725-5825   | PASS        |
| 30                           | 120        | 5804.953875              | 5725-5825   | PASS        |
| 20                           | 120        | 5805.962590              | 5725-5825   | PASS        |
| 10                           | 120        | 5804.963065              | 5725-5825   | PASS        |
| 0                            | 120        | 5804.949821              | 5725-5825   | PASS        |
| -10                          | 120        | 5804.953424              | 5725-5825   | PASS        |
| -20                          | 120        | 5804.975822              | 5725-5825   | PASS        |

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 20                           | 108        | 5804.951545              | 5725-5825   | PASS        |
|                              | 120        | 5805.962590              | 5725-5825   | PASS        |
|                              | 132        | 5804.978275              | 5725-5825   | PASS        |





Antenna 1

IEEE 802.11a mode / 5180 ~ 5240MHz (Low)

| Environment Temperature ( °C ) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|--------------------------------|------------|--------------------------|-------------|-------------|
| 50                             | 120        | 5179.988583              | 5150-5250   | PASS        |
| 40                             | 120        | 5179.985305              | 5150-5250   | PASS        |
| 30                             | 120        | 5179.995059              | 5150-5250   | PASS        |
| 20                             | 120        | 5179.966722              | 5150-5250   | PASS        |
| 10                             | 120        | 5179.991604              | 5150-5250   | PASS        |
| 0                              | 120        | 5179.999291              | 5150-5250   | PASS        |
| -10                            | 120        | 5179.983021              | 5150-5250   | PASS        |
| -20                            | 120        | 5179.981792              | 5150-5250   | PASS        |

| Environment Temperature ( °C ) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|--------------------------------|------------|--------------------------|-------------|-------------|
| 20                             | 108        | 5179.966769              | 5150-5250   | PASS        |
|                                | 120        | 5179.966722              | 5150-5250   | PASS        |
|                                | 132        | 5179.979418              | 5150-5250   | PASS        |

IEEE 802.11a mode / 5180 ~ 5240MHz (High)

| Environment Temperature ( °C ) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|--------------------------------|------------|--------------------------|-------------|-------------|
| 50                             | 120        | 5239.973646              | 5150-5250   | PASS        |
| 40                             | 120        | 5239.999291              | 5150-5250   | PASS        |
| 30                             | 120        | 5239.986528              | 5150-5250   | PASS        |
| 20                             | 120        | 5239.966377              | 5150-5250   | PASS        |
| 10                             | 120        | 5239.982560              | 5150-5250   | PASS        |
| 0                              | 120        | 5239.985471              | 5150-5250   | PASS        |
| -10                            | 120        | 5239.957818              | 5150-5250   | PASS        |
| -20                            | 120        | 5239.996394              | 5150-5250   | PASS        |

| Environment Temperature ( °C ) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|--------------------------------|------------|--------------------------|-------------|-------------|
| 20                             | 108        | 5239.989613              | 5150-5250   | PASS        |
|                                | 120        | 5239.966377              | 5150-5250   | PASS        |
|                                | 132        | 5239.999408              | 5150-5250   | PASS        |



IEEE 802.11a mode / 5260 ~ 5320MHz (Low)

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 50                           | 120        | 5259.984687              | 5250-5350   | PASS        |
| 40                           | 120        | 5259.977897              | 5250-5350   | PASS        |
| 30                           | 120        | 5259.992895              | 5250-5350   | PASS        |
| 20                           | 120        | 5259.966089              | 5250-5350   | PASS        |
| 10                           | 120        | 5259.993354              | 5250-5350   | PASS        |
| 0                            | 120        | 5259.985156              | 5250-5350   | PASS        |
| -10                          | 120        | 5259.962892              | 5250-5350   | PASS        |
| -20                          | 120        | 5259.982239              | 5250-5350   | PASS        |

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 20                           | 108        | 5259.967391              | 5250-5350   | PASS        |
|                              | 120        | 5259.966089              | 5250-5350   | PASS        |
|                              | 132        | 5259.994903              | 5250-5350   | PASS        |

IEEE 802.11a mode / 5260 ~ 5320MHz (High)

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 50                           | 120        | 5319.949555              | 5250-5350   | PASS        |
| 40                           | 120        | 5319.969864              | 5250-5350   | PASS        |
| 30                           | 120        | 5319.977597              | 5250-5350   | PASS        |
| 20                           | 120        | 5319.965958              | 5250-5350   | PASS        |
| 10                           | 120        | 5319.995456              | 5250-5350   | PASS        |
| 0                            | 120        | 5319.960217              | 5250-5350   | PASS        |
| -10                          | 120        | 5319.997671              | 5250-5350   | PASS        |
| -20                          | 120        | 5319.975736              | 5250-5350   | PASS        |

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 20                           | 108        | 5319.977525              | 5250-5350   | PASS        |
|                              | 120        | 5319.965958              | 5250-5350   | PASS        |
|                              | 132        | 5319.967461              | 5250-5350   | PASS        |



IEEE 802.11a mode / 5500 ~ 5700MHz (Low)

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 50                           | 120        | 5499.987746              | 5475-5725   | PASS        |
| 40                           | 120        | 5499.994356              | 5475-5725   | PASS        |
| 30                           | 120        | 5499.962220              | 5475-5725   | PASS        |
| 20                           | 120        | 5499.970508              | 5475-5725   | PASS        |
| 10                           | 120        | 5499.954564              | 5475-5725   | PASS        |
| 0                            | 120        | 5499.997170              | 5475-5725   | PASS        |
| -10                          | 120        | 5499.997549              | 5475-5725   | PASS        |
| -20                          | 120        | 5499.966209              | 5475-5725   | PASS        |

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 20                           | 108        | 5499.998279              | 5475-5725   | PASS        |
|                              | 120        | 5499.970508              | 5475-5725   | PASS        |
|                              | 132        | 5499.984472              | 5475-5725   | PASS        |

IEEE 802.11a mode / 5500 ~ 5700MHz (High)

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 50                           | 120        | 5699.983619              | 5475-5725   | PASS        |
| 40                           | 120        | 5699.955458              | 5475-5725   | PASS        |
| 30                           | 120        | 5699.985859              | 5475-5725   | PASS        |
| 20                           | 120        | 5699.963259              | 5475-5725   | PASS        |
| 10                           | 120        | 5699.959051              | 5475-5725   | PASS        |
| 0                            | 120        | 5699.956157              | 5475-5725   | PASS        |
| -10                          | 120        | 5699.976651              | 5475-5725   | PASS        |
| -20                          | 120        | 5699.951544              | 5475-5725   | PASS        |

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 20                           | 108        | 5699.974779              | 5475-5725   | PASS        |
|                              | 120        | 5699.963259              | 5475-5725   | PASS        |
|                              | 132        | 5699.967131              | 5475-5725   | PASS        |



IEEE 802.11a mode / 5745 ~ 5805MHz (Low)

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 50                           | 120        | 5744.954407              | 5725-5825   | PASS        |
| 40                           | 120        | 5744.960313              | 5725-5825   | PASS        |
| 30                           | 120        | 5744.950769              | 5725-5825   | PASS        |
| 20                           | 120        | 5744.963091              | 5725-5825   | PASS        |
| 10                           | 120        | 5744.964210              | 5725-5825   | PASS        |
| 0                            | 120        | 5744.987558              | 5725-5825   | PASS        |
| -10                          | 120        | 5744.959192              | 5725-5825   | PASS        |
| -20                          | 120        | 5744.972511              | 5725-5825   | PASS        |

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 20                           | 108        | 5744.987531              | 5725-5825   | PASS        |
|                              | 120        | 5744.963091              | 5725-5825   | PASS        |
|                              | 132        | 5744.985107              | 5725-5825   | PASS        |

IEEE 802.11a mode / 5745 ~ 5805MHz (High)

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 50                           | 120        | 5804.950441              | 5725-5825   | PASS        |
| 40                           | 120        | 5804.971154              | 5725-5825   | PASS        |
| 30                           | 120        | 5804.955625              | 5725-5825   | PASS        |
| 20                           | 120        | 5804.962775              | 5725-5825   | PASS        |
| 10                           | 120        | 5804.990864              | 5725-5825   | PASS        |
| 0                            | 120        | 5804.973657              | 5725-5825   | PASS        |
| -10                          | 120        | 5804.994302              | 5725-5825   | PASS        |
| -20                          | 120        | 5804.956311              | 5725-5825   | PASS        |

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 20                           | 108        | 5804.955691              | 5725-5825   | PASS        |
|                              | 120        | 5804.962775              | 5725-5825   | PASS        |
|                              | 132        | 5804.984988              | 5725-5825   | PASS        |



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IEEE 802.11n HT 20 MHz mode / 5180 ~ 5240MHz (Low)

| Environment Temperature ( °C ) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|--------------------------------|------------|--------------------------|-------------|-------------|
| 50                             | 120        | 5179.984103              | 5150-5250   | PASS        |
| 40                             | 120        | 5179.958463              | 5150-5250   | PASS        |
| 30                             | 120        | 5179.956568              | 5150-5250   | PASS        |
| 20                             | 120        | 5179.966845              | 5150-5250   | PASS        |
| 10                             | 120        | 5179.949370              | 5150-5250   | PASS        |
| 0                              | 120        | 5179.975293              | 5150-5250   | PASS        |
| -10                            | 120        | 5179.975772              | 5150-5250   | PASS        |
| -20                            | 120        | 5179.981295              | 5150-5250   | PASS        |

| Environment Temperature ( °C ) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|--------------------------------|------------|--------------------------|-------------|-------------|
| 20                             | 108        | 5179.965173              | 5150-5250   | PASS        |
|                                | 120        | 5179.966845              | 5150-5250   | PASS        |
|                                | 132        | 5179.987972              | 5150-5250   | PASS        |

IEEE 802.11n HT 20 MHz mode / 5180 ~ 5240MHz (High)

| Environment Temperature ( °C ) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|--------------------------------|------------|--------------------------|-------------|-------------|
| 50                             | 120        | 5239.998819              | 5150-5250   | PASS        |
| 40                             | 120        | 5239.959382              | 5150-5250   | PASS        |
| 30                             | 120        | 5239.995699              | 5150-5250   | PASS        |
| 20                             | 120        | 5239.966426              | 5150-5250   | PASS        |
| 10                             | 120        | 5239.956877              | 5150-5250   | PASS        |
| 0                              | 120        | 5239.975428              | 5150-5250   | PASS        |
| -10                            | 120        | 5239.988688              | 5150-5250   | PASS        |
| -20                            | 120        | 5239.985189              | 5150-5250   | PASS        |

| Environment Temperature ( °C ) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|--------------------------------|------------|--------------------------|-------------|-------------|
| 20                             | 108        | 5239.984665              | 5150-5250   | PASS        |
|                                | 120        | 5239.966426              | 5150-5250   | PASS        |
|                                | 132        | 5239.964903              | 5150-5250   | PASS        |



IEEE 802.11n HT 20 MHz mode / 5260 ~ 5320MHz (Low)

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 50                           | 120        | 5259.970585              | 5250-5350   | PASS        |
| 40                           | 120        | 5259.953965              | 5250-5350   | PASS        |
| 30                           | 120        | 5259.955629              | 5250-5350   | PASS        |
| 20                           | 120        | 5259.966157              | 5250-5350   | PASS        |
| 10                           | 120        | 5259.986031              | 5250-5350   | PASS        |
| 0                            | 120        | 5259.993559              | 5250-5350   | PASS        |
| -10                          | 120        | 5259.949259              | 5250-5350   | PASS        |
| -20                          | 120        | 5259.998647              | 5250-5350   | PASS        |

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 20                           | 108        | 5259.957151              | 5250-5350   | PASS        |
|                              | 120        | 5259.966157              | 5250-5350   | PASS        |
|                              | 132        | 5259.959657              | 5250-5350   | PASS        |

IEEE 802.11n HT 20 MHz mode / 5260 ~ 5320MHz (High)

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 50                           | 120        | 5319.950272              | 5250-5350   | PASS        |
| 40                           | 120        | 5319.987651              | 5250-5350   | PASS        |
| 30                           | 120        | 5319.965804              | 5250-5350   | PASS        |
| 20                           | 120        | 5319.965657              | 5250-5350   | PASS        |
| 10                           | 120        | 5319.981294              | 5250-5350   | PASS        |
| 0                            | 120        | 5319.968733              | 5250-5350   | PASS        |
| -10                          | 120        | 5319.989331              | 5250-5350   | PASS        |
| -20                          | 120        | 5319.980791              | 5250-5350   | PASS        |

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 20                           | 108        | 5319.965419              | 5250-5350   | PASS        |
|                              | 120        | 5319.965657              | 5250-5350   | PASS        |
|                              | 132        | 5319.990178              | 5250-5350   | PASS        |



IEEE 802.11n HT 20 MHz mode / 5500 ~ 5700MHz (Low)

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 50                           | 120        | 5499.969084              | 5475-5725   | PASS        |
| 40                           | 120        | 5499.989931              | 5475-5725   | PASS        |
| 30                           | 120        | 5499.999943              | 5475-5725   | PASS        |
| 20                           | 120        | 5499.964557              | 5475-5725   | PASS        |
| 10                           | 120        | 5499.961322              | 5475-5725   | PASS        |
| 0                            | 120        | 5499.996777              | 5475-5725   | PASS        |
| -10                          | 120        | 5499.987548              | 5475-5725   | PASS        |
| -20                          | 120        | 5499.950365              | 5475-5725   | PASS        |

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 20                           | 108        | 5499.968728              | 5475-5725   | PASS        |
|                              | 120        | 5499.964557              | 5475-5725   | PASS        |
|                              | 132        | 5499.959950              | 5475-5725   | PASS        |

IEEE 802.11n HT 20 MHz mode / 5500 ~ 5700MHz (High)

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 50                           | 120        | 5699.954051              | 5475-5725   | PASS        |
| 40                           | 120        | 5699.986511              | 5475-5725   | PASS        |
| 30                           | 120        | 5699.981493              | 5475-5725   | PASS        |
| 20                           | 120        | 5699.963549              | 5475-5725   | PASS        |
| 10                           | 120        | 5699.974614              | 5475-5725   | PASS        |
| 0                            | 120        | 5699.974321              | 5475-5725   | PASS        |
| -10                          | 120        | 5699.982482              | 5475-5725   | PASS        |
| -20                          | 120        | 5699.960676              | 5475-5725   | PASS        |

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 20                           | 108        | 5699.959313              | 5475-5725   | PASS        |
|                              | 120        | 5699.963549              | 5475-5725   | PASS        |
|                              | 132        | 5699.959931              | 5475-5725   | PASS        |



IEEE 802.11n HT 20 MHz mode / 5745 ~ 5805MHz (Low)

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 50                           | 120        | 5744.959416              | 5725-5825   | PASS        |
| 40                           | 120        | 5744.983722              | 5725-5825   | PASS        |
| 30                           | 120        | 5744.976894              | 5725-5825   | PASS        |
| 20                           | 120        | 5744.964168              | 5725-5825   | PASS        |
| 10                           | 120        | 5744.989066              | 5725-5825   | PASS        |
| 0                            | 120        | 5744.953895              | 5725-5825   | PASS        |
| -10                          | 120        | 5744.962894              | 5725-5825   | PASS        |
| -20                          | 120        | 5744.973121              | 5725-5825   | PASS        |

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 20                           | 108        | 5744.962904              | 5725-5825   | PASS        |
|                              | 120        | 5744.964168              | 5725-5825   | PASS        |
|                              | 132        | 5744.987897              | 5725-5825   | PASS        |

IEEE 802.11n HT 20 MHz mode / 5745 ~ 5805MHz (High)

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 50                           | 120        | 5804.991254              | 5725-5825   | PASS        |
| 40                           | 120        | 5804.987146              | 5725-5825   | PASS        |
| 30                           | 120        | 5804.951729              | 5725-5825   | PASS        |
| 20                           | 120        | 5805.962574              | 5725-5825   | PASS        |
| 10                           | 120        | 5804.992127              | 5725-5825   | PASS        |
| 0                            | 120        | 5804.963329              | 5725-5825   | PASS        |
| -10                          | 120        | 5804.990864              | 5725-5825   | PASS        |
| -20                          | 120        | 5804.960173              | 5725-5825   | PASS        |

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 20                           | 108        | 5804.954166              | 5725-5825   | PASS        |
|                              | 120        | 5805.962574              | 5725-5825   | PASS        |
|                              | 132        | 5804.961713              | 5725-5825   | PASS        |





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IEEE 802.11n HT 20 MHz mode / 5180 ~ 5240MHz (Low)

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 50                           | 120        | 5179.962597              | 5150-5250   | PASS        |
| 40                           | 120        | 5179.962039              | 5150-5250   | PASS        |
| 30                           | 120        | 5179.958454              | 5150-5250   | PASS        |
| 20                           | 120        | 5179.966759              | 5150-5250   | PASS        |
| 10                           | 120        | 5179.971342              | 5150-5250   | PASS        |
| 0                            | 120        | 5179.953946              | 5150-5250   | PASS        |
| -10                          | 120        | 5179.981563              | 5150-5250   | PASS        |
| -20                          | 120        | 5179.978276              | 5150-5250   | PASS        |

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 20                           | 108        | 5179.970487              | 5150-5250   | PASS        |
|                              | 120        | 5179.966759              | 5150-5250   | PASS        |
|                              | 132        | 5179.987066              | 5150-5250   | PASS        |

IEEE 802.11n HT 20 MHz mode / 5180 ~ 5240MHz (High)

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 50                           | 120        | 5239.973242              | 5150-5250   | PASS        |
| 40                           | 120        | 5239.982619              | 5150-5250   | PASS        |
| 30                           | 120        | 5239.961330              | 5150-5250   | PASS        |
| 20                           | 120        | 5239.966285              | 5150-5250   | PASS        |
| 10                           | 120        | 5239.964663              | 5150-5250   | PASS        |
| 0                            | 120        | 5239.974823              | 5150-5250   | PASS        |
| -10                          | 120        | 5239.990502              | 5150-5250   | PASS        |
| -20                          | 120        | 5239.964991              | 5150-5250   | PASS        |

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 20                           | 108        | 5239.973893              | 5150-5250   | PASS        |
|                              | 120        | 5239.966285              | 5150-5250   | PASS        |
|                              | 132        | 5239.958837              | 5150-5250   | PASS        |



IEEE 802.11n HT 20 MHz mode / 5260 ~ 5320MHz (Low)

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 50                           | 120        | 5259.954161              | 5250-5350   | PASS        |
| 40                           | 120        | 5259.957044              | 5250-5350   | PASS        |
| 30                           | 120        | 5259.967134              | 5250-5350   | PASS        |
| 20                           | 120        | 5259.966069              | 5250-5350   | PASS        |
| 10                           | 120        | 5259.983476              | 5250-5350   | PASS        |
| 0                            | 120        | 5259.953920              | 5250-5350   | PASS        |
| -10                          | 120        | 5259.953234              | 5250-5350   | PASS        |
| -20                          | 120        | 5259.962425              | 5250-5350   | PASS        |

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 20                           | 108        | 5259.966425              | 5250-5350   | PASS        |
|                              | 120        | 5259.966069              | 5250-5350   | PASS        |
|                              | 132        | 5259.967296              | 5250-5350   | PASS        |

IEEE 802.11n HT 20 MHz mode / 5260 ~ 5320MHz (High)

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 50                           | 120        | 5319.986553              | 5250-5350   | PASS        |
| 40                           | 120        | 5319.980597              | 5250-5350   | PASS        |
| 30                           | 120        | 5319.970088              | 5250-5350   | PASS        |
| 20                           | 120        | 5319.965587              | 5250-5350   | PASS        |
| 10                           | 120        | 5319.951752              | 5250-5350   | PASS        |
| 0                            | 120        | 5319.950896              | 5250-5350   | PASS        |
| -10                          | 120        | 5319.957976              | 5250-5350   | PASS        |
| -20                          | 120        | 5319.949997              | 5250-5350   | PASS        |

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 20                           | 108        | 5319.993874              | 5250-5350   | PASS        |
|                              | 120        | 5319.965587              | 5250-5350   | PASS        |
|                              | 132        | 5319.959342              | 5250-5350   | PASS        |



IEEE 802.11n HT 20 MHz mode / 5500 ~ 5700MHz (Low)

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 50                           | 120        | 5499.968273              | 5475-5725   | PASS        |
| 40                           | 120        | 5499.992270              | 5475-5725   | PASS        |
| 30                           | 120        | 5499.983167              | 5475-5725   | PASS        |
| 20                           | 120        | 5499.970519              | 5475-5725   | PASS        |
| 10                           | 120        | 5499.983578              | 5475-5725   | PASS        |
| 0                            | 120        | 5499.951584              | 5475-5725   | PASS        |
| -10                          | 120        | 5499.955517              | 5475-5725   | PASS        |
| -20                          | 120        | 5499.989695              | 5475-5725   | PASS        |

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 20                           | 108        | 5499.983299              | 5475-5725   | PASS        |
|                              | 120        | 5499.970519              | 5475-5725   | PASS        |
|                              | 132        | 5499.974447              | 5475-5725   | PASS        |

IEEE 802.11n HT 20 MHz mode / 5500 ~ 5700MHz (High)

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 50                           | 120        | 5699.981017              | 5475-5725   | PASS        |
| 40                           | 120        | 5699.952733              | 5475-5725   | PASS        |
| 30                           | 120        | 5699.967610              | 5475-5725   | PASS        |
| 20                           | 120        | 5699.963655              | 5475-5725   | PASS        |
| 10                           | 120        | 5699.984752              | 5475-5725   | PASS        |
| 0                            | 120        | 5699.994209              | 5475-5725   | PASS        |
| -10                          | 120        | 5699.987692              | 5475-5725   | PASS        |
| -20                          | 120        | 5699.969766              | 5475-5725   | PASS        |

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 20                           | 108        | 5699.975551              | 5475-5725   | PASS        |
|                              | 120        | 5699.963655              | 5475-5725   | PASS        |
|                              | 132        | 5699.997378              | 5475-5725   | PASS        |



IEEE 802.11n HT 20 MHz mode / 5745 ~ 5805MHz (Low)

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 50                           | 120        | 5744.987165              | 5725-5825   | PASS        |
| 40                           | 120        | 5744.973161              | 5725-5825   | PASS        |
| 30                           | 120        | 5744.984634              | 5725-5825   | PASS        |
| 20                           | 120        | 5744.963059              | 5725-5825   | PASS        |
| 10                           | 120        | 5744.968984              | 5725-5825   | PASS        |
| 0                            | 120        | 5744.950524              | 5725-5825   | PASS        |
| -10                          | 120        | 5744.958026              | 5725-5825   | PASS        |
| -20                          | 120        | 5744.988659              | 5725-5825   | PASS        |

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 20                           | 108        | 5744.981771              | 5725-5825   | PASS        |
|                              | 120        | 5744.963059              | 5725-5825   | PASS        |
|                              | 132        | 5744.971460              | 5725-5825   | PASS        |

IEEE 802.11n HT 20 MHz mode / 5745 ~ 5805MHz (High)

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 50                           | 120        | 5804.960994              | 5725-5825   | PASS        |
| 40                           | 120        | 5804.972954              | 5725-5825   | PASS        |
| 30                           | 120        | 5804.960535              | 5725-5825   | PASS        |
| 20                           | 120        | 5804.962789              | 5725-5825   | PASS        |
| 10                           | 120        | 5804.985668              | 5725-5825   | PASS        |
| 0                            | 120        | 5804.989790              | 5725-5825   | PASS        |
| -10                          | 120        | 5804.950317              | 5725-5825   | PASS        |
| -20                          | 120        | 5804.976735              | 5725-5825   | PASS        |

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 20                           | 108        | 5804.998867              | 5725-5825   | PASS        |
|                              | 120        | 5804.962789              | 5725-5825   | PASS        |
|                              | 132        | 5804.986887              | 5725-5825   | PASS        |



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IEEE 802.11n HT 20 MHz SISO mode / 5180 ~ 5240MHz (Low)

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 50                           | 120        | 5179.984103              | 5150-5250   | PASS        |
| 40                           | 120        | 5179.958463              | 5150-5250   | PASS        |
| 30                           | 120        | 5179.956568              | 5150-5250   | PASS        |
| 20                           | 120        | 5179.966845              | 5150-5250   | PASS        |
| 10                           | 120        | 5179.94937               | 5150-5250   | PASS        |
| 0                            | 120        | 5179.975293              | 5150-5250   | PASS        |
| -10                          | 120        | 5179.975772              | 5150-5250   | PASS        |
| -20                          | 120        | 5179.981295              | 5150-5250   | PASS        |

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 20                           | 108        | 5179.965173              | 5150-5250   | PASS        |
|                              | 120        | 5179.966845              | 5150-5250   | PASS        |
|                              | 132        | 5179.987972              | 5150-5250   | PASS        |

IEEE 802.11n HT 20 MHz SISO mode / 5180 ~ 5240MHz (High)

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 50                           | 120        | 5239.998819              | 5150-5250   | PASS        |
| 40                           | 120        | 5239.959382              | 5150-5250   | PASS        |
| 30                           | 120        | 5239.995699              | 5150-5250   | PASS        |
| 20                           | 120        | 5239.966426              | 5150-5250   | PASS        |
| 10                           | 120        | 5239.956877              | 5150-5250   | PASS        |
| 0                            | 120        | 5239.975428              | 5150-5250   | PASS        |
| -10                          | 120        | 5239.988688              | 5150-5250   | PASS        |
| -20                          | 120        | 5239.985189              | 5150-5250   | PASS        |

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 20                           | 108        | 5239.984665              | 5150-5250   | PASS        |
|                              | 120        | 5239.966426              | 5150-5250   | PASS        |
|                              | 132        | 5239.964903              | 5150-5250   | PASS        |



IEEE 802.11n HT 20 MHz SISO mode / 5260 ~ 5320MHz (Low)

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 50                           | 120        | 5259.975691              | 5250-5350   | PASS        |
| 40                           | 120        | 5259.990351              | 5250-5350   | PASS        |
| 30                           | 120        | 5259.968481              | 5250-5350   | PASS        |
| 20                           | 120        | 5259.966226              | 5250-5350   | PASS        |
| 10                           | 120        | 5259.974560              | 5250-5350   | PASS        |
| 0                            | 120        | 5259.977977              | 5250-5350   | PASS        |
| -10                          | 120        | 5259.968633              | 5250-5350   | PASS        |
| -20                          | 120        | 5259.991733              | 5250-5350   | PASS        |

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 20                           | 108        | 5259.955701              | 5250-5350   | PASS        |
|                              | 120        | 5259.966226              | 5250-5350   | PASS        |
|                              | 132        | 5259.977612              | 5250-5350   | PASS        |

IEEE 802.11n HT 20 MHz SISO mode / 5260 ~ 5320MHz (High)

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 50                           | 120        | 5319.958731              | 5250-5350   | PASS        |
| 40                           | 120        | 5319.972881              | 5250-5350   | PASS        |
| 30                           | 120        | 5319.961482              | 5250-5350   | PASS        |
| 20                           | 120        | 5319.965658              | 5250-5350   | PASS        |
| 10                           | 120        | 5319.962978              | 5250-5350   | PASS        |
| 0                            | 120        | 5319.951154              | 5250-5350   | PASS        |
| -10                          | 120        | 5319.950419              | 5250-5350   | PASS        |
| -20                          | 120        | 5319.977239              | 5250-5350   | PASS        |

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 20                           | 108        | 5319.955962              | 5250-5350   | PASS        |
|                              | 120        | 5319.965658              | 5250-5350   | PASS        |
|                              | 132        | 5319.958427              | 5250-5350   | PASS        |



IEEE 802.11n HT 20 MHz SISO mode / 5500 ~ 5700MHz (Low)

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 50                           | 120        | 5499.986206              | 5475-5725   | PASS        |
| 40                           | 120        | 5499.964645              | 5475-5725   | PASS        |
| 30                           | 120        | 5499.972422              | 5475-5725   | PASS        |
| 20                           | 120        | 5499.964549              | 5475-5725   | PASS        |
| 10                           | 120        | 5499.969664              | 5475-5725   | PASS        |
| 0                            | 120        | 5499.994431              | 5475-5725   | PASS        |
| -10                          | 120        | 5499.966110              | 5475-5725   | PASS        |
| -20                          | 120        | 5499.982215              | 5475-5725   | PASS        |

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 20                           | 108        | 5499.996796              | 5475-5725   | PASS        |
|                              | 120        | 5499.964549              | 5475-5725   | PASS        |
|                              | 132        | 5499.971394              | 5475-5725   | PASS        |

IEEE 802.11n HT 20 MHz SISO mode / 5500 ~ 5700MHz (High)

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 50                           | 120        | 5699.995027              | 5475-5725   | PASS        |
| 40                           | 120        | 5699.953701              | 5475-5725   | PASS        |
| 30                           | 120        | 5699.992688              | 5475-5725   | PASS        |
| 20                           | 120        | 5699.963367              | 5475-5725   | PASS        |
| 10                           | 120        | 5699.998138              | 5475-5725   | PASS        |
| 0                            | 120        | 5699.967922              | 5475-5725   | PASS        |
| -10                          | 120        | 5699.996375              | 5475-5725   | PASS        |
| -20                          | 120        | 5699.990062              | 5475-5725   | PASS        |

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 20                           | 108        | 5699.952981              | 5475-5725   | PASS        |
|                              | 120        | 5699.963367              | 5475-5725   | PASS        |
|                              | 132        | 5699.953873              | 5475-5725   | PASS        |



IEEE 802.11n HT 20 MHz SISO mode / 5745 ~ 5805MHz (Low)

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 50                           | 120        | 5744.971273              | 5725-5825   | PASS        |
| 40                           | 120        | 5744.952102              | 5725-5825   | PASS        |
| 30                           | 120        | 5744.966515              | 5725-5825   | PASS        |
| 20                           | 120        | 5744.964201              | 5725-5825   | PASS        |
| 10                           | 120        | 5744.983473              | 5725-5825   | PASS        |
| 0                            | 120        | 5744.981735              | 5725-5825   | PASS        |
| -10                          | 120        | 5744.984109              | 5725-5825   | PASS        |
| -20                          | 120        | 5744.979465              | 5725-5825   | PASS        |

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 20                           | 108        | 5744.957006              | 5725-5825   | PASS        |
|                              | 120        | 5744.964201              | 5725-5825   | PASS        |
|                              | 132        | 5744.986459              | 5725-5825   | PASS        |

IEEE 802.11n HT 20 MHz SISO mode / 5745 ~ 5805MHz (High)

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 50                           | 120        | 5804.953106              | 5725-5825   | PASS        |
| 40                           | 120        | 5804.988664              | 5725-5825   | PASS        |
| 30                           | 120        | 5804.985400              | 5725-5825   | PASS        |
| 20                           | 120        | 5805.962622              | 5725-5825   | PASS        |
| 10                           | 120        | 5804.979824              | 5725-5825   | PASS        |
| 0                            | 120        | 5804.957149              | 5725-5825   | PASS        |
| -10                          | 120        | 5804.956143              | 5725-5825   | PASS        |
| -20                          | 120        | 5804.950189              | 5725-5825   | PASS        |

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 20                           | 108        | 5804.991711              | 5725-5825   | PASS        |
|                              | 120        | 5805.962622              | 5725-5825   | PASS        |
|                              | 132        | 5804.999714              | 5725-5825   | PASS        |





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IEEE 802.11n HT 20 MHz SISO mode / 5180 ~ 5240MHz (Low)

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 50                           | 120        | 5179.96038               | 5150-5250   | PASS        |
| 40                           | 120        | 5179.998293              | 5150-5250   | PASS        |
| 30                           | 120        | 5179.962891              | 5150-5250   | PASS        |
| 20                           | 120        | 5179.966427              | 5150-5250   | PASS        |
| 10                           | 120        | 5179.960064              | 5150-5250   | PASS        |
| 0                            | 120        | 5179.961082              | 5150-5250   | PASS        |
| -10                          | 120        | 5179.979209              | 5150-5250   | PASS        |
| -20                          | 120        | 5179.988555              | 5150-5250   | PASS        |

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 20                           | 108        | 5179.970217              | 5150-5250   | PASS        |
|                              | 120        | 5179.966427              | 5150-5250   | PASS        |
|                              | 132        | 5179.987719              | 5150-5250   | PASS        |

IEEE 802.11n HT 20 MHz SISO mode / 5180 ~ 5240MHz (High)

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 50                           | 120        | 5239.980943              | 5150-5250   | PASS        |
| 40                           | 120        | 5239.952096              | 5150-5250   | PASS        |
| 30                           | 120        | 5239.995140              | 5150-5250   | PASS        |
| 20                           | 120        | 5239.966307              | 5150-5250   | PASS        |
| 10                           | 120        | 5239.966898              | 5150-5250   | PASS        |
| 0                            | 120        | 5239.964844              | 5150-5250   | PASS        |
| -10                          | 120        | 5239.957297              | 5150-5250   | PASS        |
| -20                          | 120        | 5239.991256              | 5150-5250   | PASS        |

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 20                           | 108        | 5239.951773              | 5150-5250   | PASS        |
|                              | 120        | 5239.966307              | 5150-5250   | PASS        |
|                              | 132        | 5239.986908              | 5150-5250   | PASS        |



IEEE 802.11n HT 20 MHz SISO mode / 5260 ~ 5320MHz (Low)

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 50                           | 120        | 5259.983588              | 5250-5350   | PASS        |
| 40                           | 120        | 5259.990212              | 5250-5350   | PASS        |
| 30                           | 120        | 5259.971524              | 5250-5350   | PASS        |
| 20                           | 120        | 5259.966033              | 5250-5350   | PASS        |
| 10                           | 120        | 5259.981187              | 5250-5350   | PASS        |
| 0                            | 120        | 5259.969209              | 5250-5350   | PASS        |
| -10                          | 120        | 5259.966453              | 5250-5350   | PASS        |
| -20                          | 120        | 5259.958182              | 5250-5350   | PASS        |

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 20                           | 108        | 5259.983927              | 5250-5350   | PASS        |
|                              | 120        | 5259.966033              | 5250-5350   | PASS        |
|                              | 132        | 5259.979873              | 5250-5350   | PASS        |

IEEE 802.11n HT 20 MHz SISO mode / 5260 ~ 5320MHz (High)

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 50                           | 120        | 5319.950392              | 5250-5350   | PASS        |
| 40                           | 120        | 5319.985129              | 5250-5350   | PASS        |
| 30                           | 120        | 5319.974207              | 5250-5350   | PASS        |
| 20                           | 120        | 5319.965255              | 5250-5350   | PASS        |
| 10                           | 120        | 5319.974784              | 5250-5350   | PASS        |
| 0                            | 120        | 5319.979242              | 5250-5350   | PASS        |
| -10                          | 120        | 5319.989159              | 5250-5350   | PASS        |
| -20                          | 120        | 5319.991189              | 5250-5350   | PASS        |

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 20                           | 108        | 5319.995252              | 5250-5350   | PASS        |
|                              | 120        | 5319.965255              | 5250-5350   | PASS        |
|                              | 132        | 5319.969840              | 5250-5350   | PASS        |



IEEE 802.11n HT 20 MHz SISO mode / 5500 ~ 5700MHz (Low)

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 50                           | 120        | 5499.952670              | 5475-5725   | PASS        |
| 40                           | 120        | 5499.999157              | 5475-5725   | PASS        |
| 30                           | 120        | 5499.955597              | 5475-5725   | PASS        |
| 20                           | 120        | 5499.970226              | 5475-5725   | PASS        |
| 10                           | 120        | 5499.986741              | 5475-5725   | PASS        |
| 0                            | 120        | 5499.978688              | 5475-5725   | PASS        |
| -10                          | 120        | 5499.976167              | 5475-5725   | PASS        |
| -20                          | 120        | 5499.992587              | 5475-5725   | PASS        |

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 20                           | 108        | 5499.992290              | 5475-5725   | PASS        |
|                              | 120        | 5499.970226              | 5475-5725   | PASS        |
|                              | 132        | 5499.966424              | 5475-5725   | PASS        |

IEEE 802.11n HT 20 MHz SISO mode / 5500 ~ 5700MHz (High)

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 50                           | 120        | 5699.950046              | 5475-5725   | PASS        |
| 40                           | 120        | 5699.975123              | 5475-5725   | PASS        |
| 30                           | 120        | 5699.972758              | 5475-5725   | PASS        |
| 20                           | 120        | 5699.963265              | 5475-5725   | PASS        |
| 10                           | 120        | 5699.964233              | 5475-5725   | PASS        |
| 0                            | 120        | 5699.993108              | 5475-5725   | PASS        |
| -10                          | 120        | 5699.953144              | 5475-5725   | PASS        |
| -20                          | 120        | 5699.981874              | 5475-5725   | PASS        |

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 20                           | 108        | 5699.966956              | 5475-5725   | PASS        |
|                              | 120        | 5699.963265              | 5475-5725   | PASS        |
|                              | 132        | 5699.956715              | 5475-5725   | PASS        |



IEEE 802.11n HT 20 MHz SISO mode / 5745 ~ 5805MHz (Low)

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 50                           | 120        | 5744.960082              | 5725-5825   | PASS        |
| 40                           | 120        | 5744.960215              | 5725-5825   | PASS        |
| 30                           | 120        | 5744.981693              | 5725-5825   | PASS        |
| 20                           | 120        | 5744.963254              | 5725-5825   | PASS        |
| 10                           | 120        | 5744.973153              | 5725-5825   | PASS        |
| 0                            | 120        | 5744.977158              | 5725-5825   | PASS        |
| -10                          | 120        | 5744.989255              | 5725-5825   | PASS        |
| -20                          | 120        | 5744.992914              | 5725-5825   | PASS        |

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 20                           | 108        | 5744.977883              | 5725-5825   | PASS        |
|                              | 120        | 5744.963254              | 5725-5825   | PASS        |
|                              | 132        | 5744.985952              | 5725-5825   | PASS        |

IEEE 802.11n HT 20 MHz SISO mode / 5745 ~ 5805MHz (High)

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 50                           | 120        | 5804.990163              | 5725-5825   | PASS        |
| 40                           | 120        | 5804.954557              | 5725-5825   | PASS        |
| 30                           | 120        | 5804.973845              | 5725-5825   | PASS        |
| 20                           | 120        | 5804.962267              | 5725-5825   | PASS        |
| 10                           | 120        | 5804.978444              | 5725-5825   | PASS        |
| 0                            | 120        | 5804.973497              | 5725-5825   | PASS        |
| -10                          | 120        | 5804.967123              | 5725-5825   | PASS        |
| -20                          | 120        | 5804.963800              | 5725-5825   | PASS        |

| Environment Temperature (°C) | Volage (V) | Measured Frequency (MHz) | limit Range | Test Result |
|------------------------------|------------|--------------------------|-------------|-------------|
| 20                           | 108        | 5804.962549              | 5725-5825   | PASS        |
|                              | 120        | 5804.962267              | 5725-5825   | PASS        |
|                              | 132        | 5804.986901              | 5725-5825   | PASS        |