

**Test Mode:** TX / IEEE 802.11n HT 40 MHz / 5670MHz /(CH High)**Tested by:** Sun Guo**Ambient temperature:** 24°C**Relative humidity:** 52% RH**Date:** May 31, 2015

| Frequency (MHz) | Reading (dBuV) | Correction Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Pole (V/H) | Remark |
|-----------------|----------------|--------------------------|-----------------|----------------|-------------|--------------------|--------|
| 6756.000        | 31.04          | 7.30                     | 38.34           | 74.00          | -35.66      | V                  | peak   |
| 7740.000        | 31.53          | 9.14                     | 40.67           | 74.00          | -33.33      | V                  | peak   |
| 8376.000        | 31.39          | 9.44                     | 40.83           | 74.00          | -33.17      | V                  | peak   |
| 10260.000       | 30.29          | 12.79                    | 43.08           | 74.00          | -30.92      | V                  | peak   |
| 11136.000       | 29.70          | 15.02                    | 44.72           | 74.00          | -29.28      | V                  | peak   |
| 12948.000       | 29.14          | 17.78                    | 46.92           | 74.00          | -27.08      | V                  | peak   |
|                 |                |                          |                 |                |             |                    |        |
| 6936.000        | 31.80          | 7.60                     | 39.40           | 74.00          | -34.60      | H                  | Peak   |
| 7740.000        | 31.48          | 9.14                     | 40.62           | 74.00          | -33.38      | H                  | Peak   |
| 8364.000        | 31.54          | 9.45                     | 40.99           | 74.00          | -33.01      | H                  | Peak   |
| 10140.000       | 30.47          | 12.41                    | 42.88           | 74.00          | -31.12      | H                  | peak   |
| 11016.000       | 29.81          | 15.07                    | 44.88           | 74.00          | -29.12      | H                  | peak   |
| 11820.000       | 30.25          | 14.72                    | 44.97           | 74.00          | -29.03      | H                  | peak   |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
3. Average test would be performed if the peak result were greater than the average limit.
4. Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
6. Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).

**Test Mode:** TX / IEEE 802.11n HT 40 MHz / 5755MHz /(CH Low)**Tested by:** Sun Guo**Ambient temperature:** 24°C**Relative humidity:** 52% RH**Date:** May 31, 2015

| Frequency (MHz) | Reading (dBuV) | Correction Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Pole (V/H) | Remark |
|-----------------|----------------|--------------------------|-----------------|----------------|-------------|--------------------|--------|
| 7656.000        | 31.00          | 8.98                     | 39.98           | 74.00          | -34.02      | V                  | peak   |
| 8376.000        | 31.37          | 9.44                     | 40.81           | 74.00          | -33.19      | V                  | peak   |
| 11040.000       | 29.90          | 15.06                    | 44.96           | 74.00          | -29.04      | V                  | peak   |
| 12828.000       | 28.96          | 17.38                    | 46.34           | 74.00          | -27.66      | V                  | peak   |
| 14244.000       | 28.43          | 20.72                    | 49.15           | 74.00          | -24.85      | V                  | peak   |
| 14904.000       | 28.40          | 21.10                    | 49.50           | 74.00          | -24.50      | V                  | peak   |
|                 |                |                          |                 |                |             |                    |        |
| 7704.000        | 31.12          | 9.07                     | 40.19           | 74.00          | -33.81      | H                  | Peak   |
| 8352.000        | 31.21          | 9.46                     | 40.67           | 74.00          | -33.33      | H                  | Peak   |
| 10512.000       | 30.01          | 13.57                    | 43.58           | 74.00          | -30.42      | H                  | Peak   |
| 11016.000       | 29.84          | 15.07                    | 44.91           | 74.00          | -29.09      | H                  | peak   |
| 11856.000       | 30.12          | 14.70                    | 44.82           | 74.00          | -29.18      | H                  | peak   |
| 12984.000       | 29.02          | 17.90                    | 46.92           | 74.00          | -27.08      | H                  | peak   |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
3. Average test would be performed if the peak result were greater than the average limit.
4. Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
6. Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).

**Test Mode:** TX / IEEE 802.11n HT 40 MHz / 5795MHz /(CH High)**Tested by:** Sun Guo**Ambient temperature:** 24°C**Relative humidity:** 52% RH**Date:** May 31, 2015

| Frequency (MHz) | Reading (dBuV) | Correction Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Pole (V/H) | Remark |
|-----------------|----------------|--------------------------|-----------------|----------------|-------------|--------------------|--------|
| 7752.000        | 31.32          | 9.17                     | 40.49           | 74.00          | -33.51      | V                  | peak   |
| 8364.000        | 31.30          | 9.45                     | 40.75           | 74.00          | -33.25      | V                  | peak   |
| 10488.000       | 30.51          | 13.49                    | 44.00           | 74.00          | -30.00      | V                  | peak   |
| 11028.000       | 29.66          | 15.07                    | 44.73           | 74.00          | -29.27      | V                  | peak   |
| 11844.000       | 30.43          | 14.71                    | 45.14           | 74.00          | -28.86      | V                  | peak   |
| 12960.000       | 29.01          | 17.82                    | 46.83           | 74.00          | -27.17      | V                  | peak   |
|                 |                |                          |                 |                |             |                    |        |
| 8388.000        | 31.78          | 9.44                     | 41.22           | 74.00          | -32.78      | H                  | Peak   |
| 10044.000       | 30.77          | 12.12                    | 42.89           | 74.00          | -31.11      | H                  | Peak   |
| 11064.000       | 29.73          | 15.05                    | 44.78           | 74.00          | -29.22      | H                  | Peak   |
| 12432.000       | 29.15          | 16.07                    | 45.22           | 74.00          | -28.78      | H                  | peak   |
| 13620.000       | 27.98          | 19.58                    | 47.56           | 74.00          | -26.44      | H                  | peak   |
| 15180.000       | 29.01          | 20.34                    | 49.35           | 74.00          | -24.65      | H                  | peak   |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
3. Average test would be performed if the peak result were greater than the average limit.
4. Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
6. Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).

**Combine with antenna 1 and antenna 2****Test Mode:** TX / IEEE 802.11ac 80 / 5210MHz**Tested by:** Sun Guo**Ambient temperature:** 24°C **Relative humidity:** 52% RH**Date:** May 31, 2015

| Frequency (MHz) | Reading (dBuV) | Correction Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Pole (V/H) | Remark |
|-----------------|----------------|--------------------------|-----------------|----------------|-------------|--------------------|--------|
| 7752.000        | 31.29          | 9.17                     | 40.46           | 74.00          | -33.54      | V                  | peak   |
| 8436.000        | 31.58          | 9.41                     | 40.99           | 74.00          | -33.01      | V                  | peak   |
| 9948.000        | 30.61          | 11.83                    | 42.44           | 74.00          | -31.56      | V                  | peak   |
| 11124.000       | 29.83          | 15.03                    | 44.86           | 74.00          | -29.14      | V                  | peak   |
| 12948.000       | 29.39          | 17.78                    | 47.17           | 74.00          | -26.83      | V                  | peak   |
| 13776.000       | 27.52          | 19.99                    | 47.51           | 74.00          | -26.49      | V                  | peak   |
|                 |                |                          |                 |                |             |                    |        |
| 8352.000        | 31.53          | 9.46                     | 40.99           | 74.00          | -33.01      | H                  | Peak   |
| 9300.000        | 30.75          | 9.96                     | 40.71           | 74.00          | -33.29      | H                  | Peak   |
| 10464.000       | 29.86          | 13.42                    | 43.28           | 74.00          | -30.72      | H                  | Peak   |
| 11028.000       | 29.62          | 15.07                    | 44.69           | 74.00          | -29.31      | H                  | peak   |
| 11844.000       | 30.28          | 14.71                    | 44.99           | 74.00          | -29.01      | H                  | peak   |
| 12984.000       | 29.04          | 17.90                    | 46.94           | 74.00          | -27.06      | H                  | peak   |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
3. Average test would be performed if the peak result were greater than the average limit.
4. Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
6. Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).

**Test Mode:** TX / IEEE 802.11ac 80 / 5290MHz**Tested by:** Sun Guo**Ambient temperature:** 24°C **Relative humidity:** 52% RH**Date:** May 31, 2015

| Frequency (MHz) | Reading (dBuV) | Correction Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Pole (V/H) | Remark |
|-----------------|----------------|--------------------------|-----------------|----------------|-------------|--------------------|--------|
| 7740.000        | 31.55          | 9.14                     | 40.69           | 74.00          | -33.31      | V                  | peak   |
| 8340.000        | 31.50          | 9.46                     | 40.96           | 74.00          | -33.04      | V                  | peak   |
| 10044.000       | 30.67          | 12.12                    | 42.79           | 74.00          | -31.21      | V                  | peak   |
| 10860.000       | 29.83          | 14.65                    | 44.48           | 74.00          | -29.52      | V                  | peak   |
| 11844.000       | 30.21          | 14.71                    | 44.92           | 74.00          | -29.08      | V                  | peak   |
| 12960.000       | 29.12          | 17.82                    | 46.94           | 74.00          | -27.06      | V                  | peak   |
|                 |                |                          |                 |                |             |                    |        |
| 7764.000        | 31.39          | 9.19                     | 40.58           | 74.00          | -33.42      | H                  | Peak   |
| 8496.000        | 31.44          | 9.38                     | 40.82           | 74.00          | -33.18      | H                  | Peak   |
| 10248.000       | 30.54          | 12.75                    | 43.29           | 74.00          | -30.71      | H                  | Peak   |
| 10992.000       | 29.78          | 15.06                    | 44.84           | 74.00          | -29.16      | H                  | peak   |
| 12444.000       | 29.30          | 16.11                    | 45.41           | 74.00          | -28.59      | H                  | peak   |
| 12960.000       | 29.64          | 17.82                    | 47.46           | 74.00          | -26.54      | H                  | peak   |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
3. Average test would be performed if the peak result were greater than the average limit.
4. Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
6. Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).

**Test Mode:** TX / IEEE 802.11ac 80 / 5530MHz /(CH Low)**Tested by:** Sun Guo**Ambient temperature:** 24°C **Relative humidity:** 52% RH**Date:** May 31, 2015

| Frequency (MHz) | Reading (dBuV) | Correction Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Pole (V/H) | Remark |
|-----------------|----------------|--------------------------|-----------------|----------------|-------------|--------------------|--------|
| 8352.000        | 31.44          | 9.46                     | 40.90           | 74.00          | -33.10      | V                  | peak   |
| 9816.000        | 30.16          | 11.45                    | 41.61           | 74.00          | -32.39      | V                  | peak   |
| 10476.000       | 29.75          | 13.46                    | 43.21           | 74.00          | -30.79      | V                  | peak   |
| 11256.000       | 29.99          | 14.97                    | 44.96           | 74.00          | -29.04      | V                  | peak   |
| 12984.000       | 29.26          | 17.90                    | 47.16           | 74.00          | -26.84      | V                  | peak   |
| 14016.000       | 27.63          | 20.59                    | 48.22           | 74.00          | -25.78      | V                  | peak   |
|                 |                |                          |                 |                |             |                    |        |
| 6912.000        | 31.71          | 7.56                     | 39.27           | 74.00          | -34.73      | H                  | Peak   |
| 7752.000        | 31.20          | 9.17                     | 40.37           | 74.00          | -33.63      | H                  | Peak   |
| 8352.000        | 31.27          | 9.46                     | 40.73           | 74.00          | -33.27      | H                  | Peak   |
| 10332.000       | 30.30          | 13.01                    | 43.31           | 74.00          | -30.69      | H                  | peak   |
| 11028.000       | 29.65          | 15.07                    | 44.72           | 74.00          | -29.28      | H                  | peak   |
| 11832.000       | 30.31          | 14.71                    | 45.02           | 74.00          | -28.98      | H                  | peak   |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
3. Average test would be performed if the peak result were greater than the average limit.
4. Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
6. Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).

**Test Mode:** TX / IEEE 802.11ac 80 / 5610MHz /(CH High)**Tested by:** Sun Guo**Ambient temperature:** 24°C **Relative humidity:** 52% RH**Date:** May 31, 2015

| Frequency (MHz) | Reading (dBuV) | Correction Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Pole (V/H) | Remark |
|-----------------|----------------|--------------------------|-----------------|----------------|-------------|--------------------|--------|
| 7776.000        | 31.17          | 9.21                     | 40.38           | 74.00          | -33.62      | V                  | peak   |
| 8352.000        | 31.39          | 9.46                     | 40.85           | 74.00          | -33.15      | V                  | peak   |
| 10296.000       | 30.14          | 12.90                    | 43.04           | 74.00          | -30.96      | V                  | peak   |
| 11136.000       | 29.90          | 15.02                    | 44.92           | 74.00          | -29.08      | V                  | peak   |
| 11844.000       | 30.65          | 14.71                    | 45.36           | 74.00          | -28.64      | V                  | peak   |
| 12984.000       | 29.08          | 17.90                    | 46.98           | 74.00          | -27.02      | V                  | peak   |
|                 |                |                          |                 |                |             |                    |        |
| 7716.000        | 31.05          | 9.10                     | 40.15           | 74.00          | -33.85      | H                  | Peak   |
| 8376.000        | 31.26          | 9.44                     | 40.70           | 74.00          | -33.30      | H                  | Peak   |
| 10872.000       | 30.13          | 14.68                    | 44.81           | 74.00          | -29.19      | H                  | Peak   |
| 11832.000       | 30.68          | 14.71                    | 45.39           | 74.00          | -28.61      | H                  | peak   |
| 12612.000       | 29.07          | 16.67                    | 45.74           | 74.00          | -28.26      | H                  | peak   |
| 12972.000       | 29.20          | 17.86                    | 47.06           | 74.00          | -26.94      | H                  | peak   |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
3. Average test would be performed if the peak result were greater than the average limit.
4. Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
6. Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).



Test Mode: TX / IEEE 802.11ac 80 / 5775MHz

Tested by: Sun Guo

Ambient temperature: 24°C Relative humidity: 52% RH

Date: May 31, 2015

| Frequency (MHz) | Reading (dBuV) | Correction Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Pole (V/H) | Remark |
|-----------------|----------------|--------------------------|-----------------|----------------|-------------|--------------------|--------|
| 7764.000        | 31.03          | 9.19                     | 40.22           | 74.00          | -33.78      | V                  | peak   |
| 8352.000        | 31.23          | 9.46                     | 40.69           | 74.00          | -33.31      | V                  | peak   |
| 10320.000       | 30.07          | 12.97                    | 43.04           | 74.00          | -30.96      | V                  | peak   |
| 11124.000       | 29.63          | 15.03                    | 44.66           | 74.00          | -29.34      | V                  | peak   |
| 12168.000       | 29.80          | 15.20                    | 45.00           | 74.00          | -29.00      | V                  | peak   |
| 12996.000       | 29.29          | 17.94                    | 47.23           | 74.00          | -26.77      | V                  | peak   |
|                 |                |                          |                 |                |             |                    |        |
| 7740.000        | 31.20          | 9.14                     | 40.34           | 74.00          | -33.66      | H                  | Peak   |
| 8352.000        | 31.66          | 9.46                     | 41.12           | 74.00          | -32.88      | H                  | Peak   |
| 9600.000        | 30.42          | 10.83                    | 41.25           | 74.00          | -32.75      | H                  | Peak   |
| 10488.000       | 30.16          | 13.49                    | 43.65           | 74.00          | -30.35      | H                  | peak   |
| 11148.000       | 29.52          | 15.01                    | 44.53           | 74.00          | -29.47      | H                  | peak   |
| 12996.000       | 28.81          | 17.94                    | 46.75           | 74.00          | -27.25      | H                  | peak   |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
3. Average test would be performed if the peak result were greater than the average limit.
4. Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
6. Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).



## 6.7 CONDUCTED UNDESIRABLE EMISSION

### 6.7.1 LIMIT

According to 15.407(b) ,

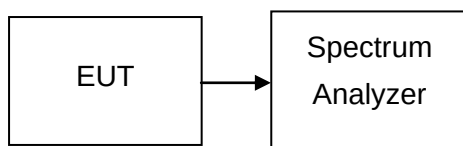
- (1) For transmitters operating in the 5.15-5.25 GHz band: all emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of -27 dBm/MHz.
- (2) For transmitters operating in the 5.725–5.850 GHz band: all emissions within the frequency range from the band edge to 10 MHz above or below the band edge shall not exceed an EIRP of –17 dBm/MHz; for frequencies 10 MHz or greater above or below the band edge, emissions shall not exceed an EIRP of –27 dBm/MHz.
- (3) The provisions of §15.205 apply to intentional radiators operating under this section.

### 6.7.2 MEASUREMENT EQUIPMENT USED

| Name of Equipment | Manufacturer | Model  | Serial Number | Last Calibration | Due Calibration |
|-------------------|--------------|--------|---------------|------------------|-----------------|
| Spectrum Analyzer | Agilent      | E4446A | US44300399    | 02/28/2015       | 02/27/2016      |

**Remark:** Each piece of equipment is scheduled for calibration once a year.

### 6.7.3 TEST CONFIGURATION



### 6.7.4 TEST PROCEDURE

Conducted RF measurements of the transmitter output were made to confirm that the EUT antenna port conducted emissions meet the specified limit and to identify any spurious signals that require further investigation or measurements on the radiated emissions site.

The transmitter output is connected to the spectrum analyzer. The resolution bandwidth is set to 1 MHz. The video bandwidth is set to 1 MHz. Peak detection measurements are compared to the average EIRP limit, adjusted for the maximum antenna gain. If necessary, additional average detection measurements are made.

Measurements are made over the 30 MHz to 40 GHz range with the transmitter set to the lowest, middle, and highest channels.

### 6.7.5 TEST RESULTS

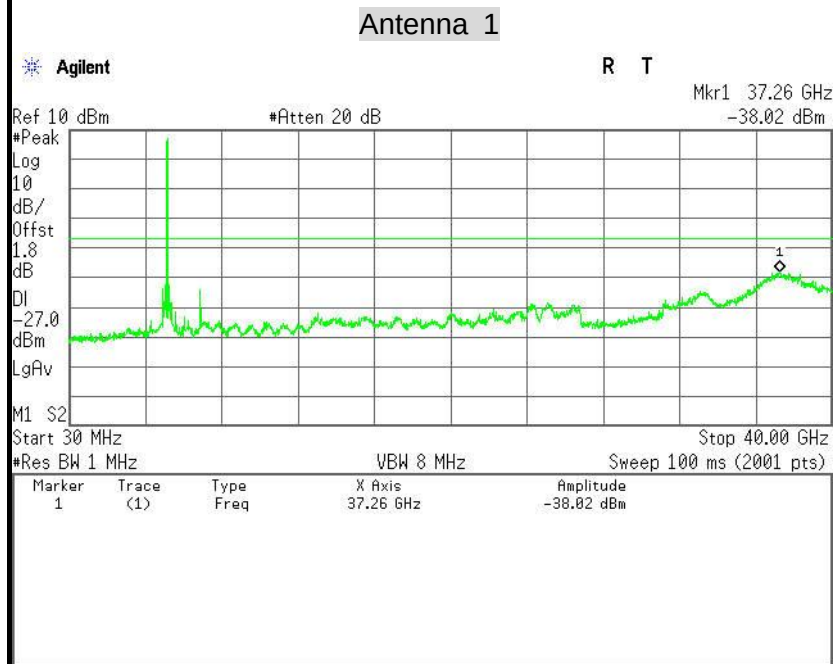
*No non-compliance noted*



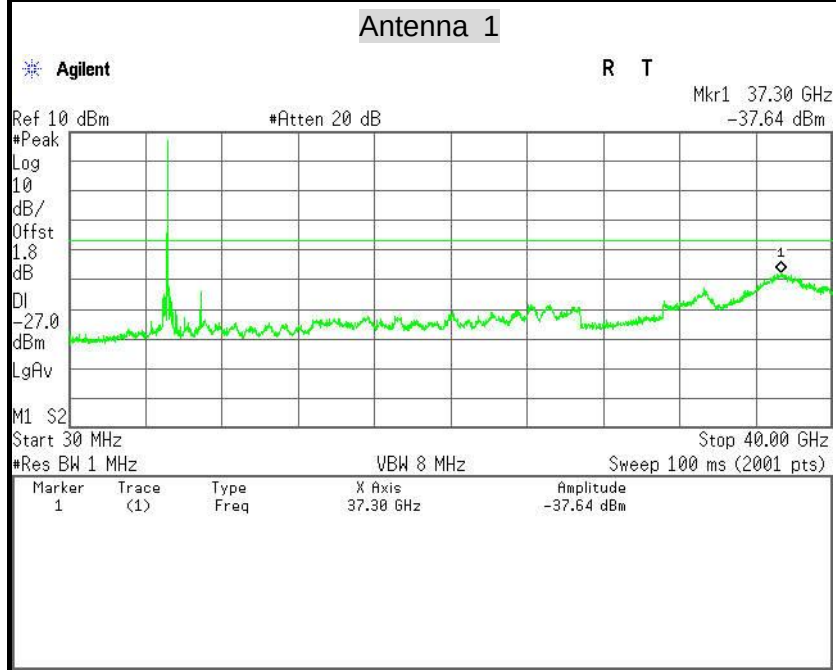
### Test Plot

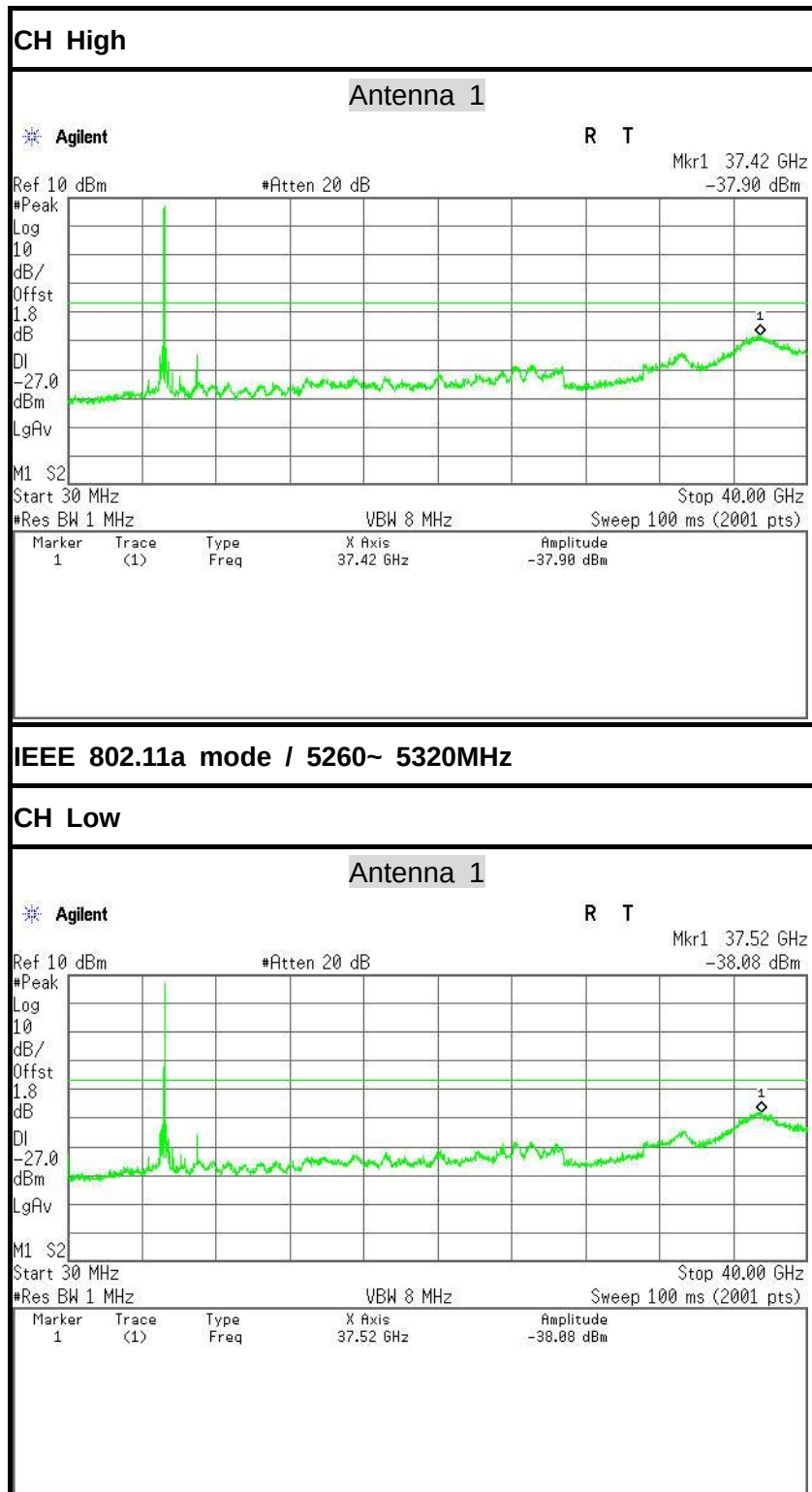
IEEE 802.11a mode / 5180 ~ 5240MHz

CH Low



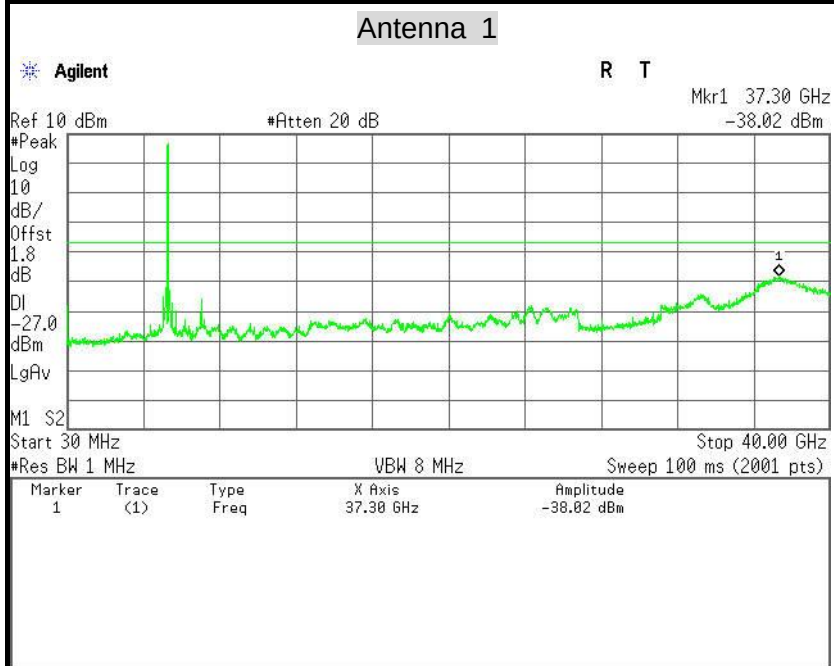
CH Mid



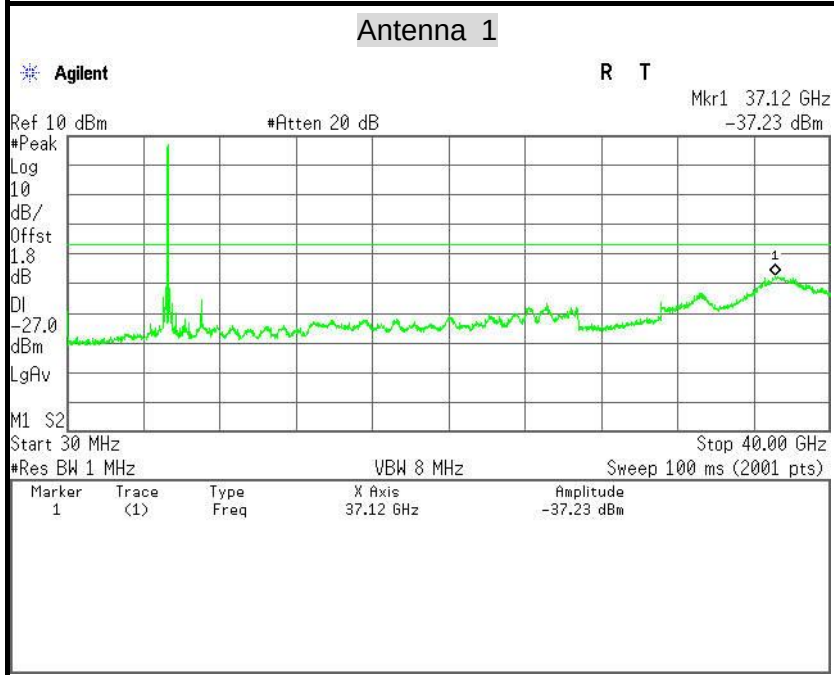




CH Mid



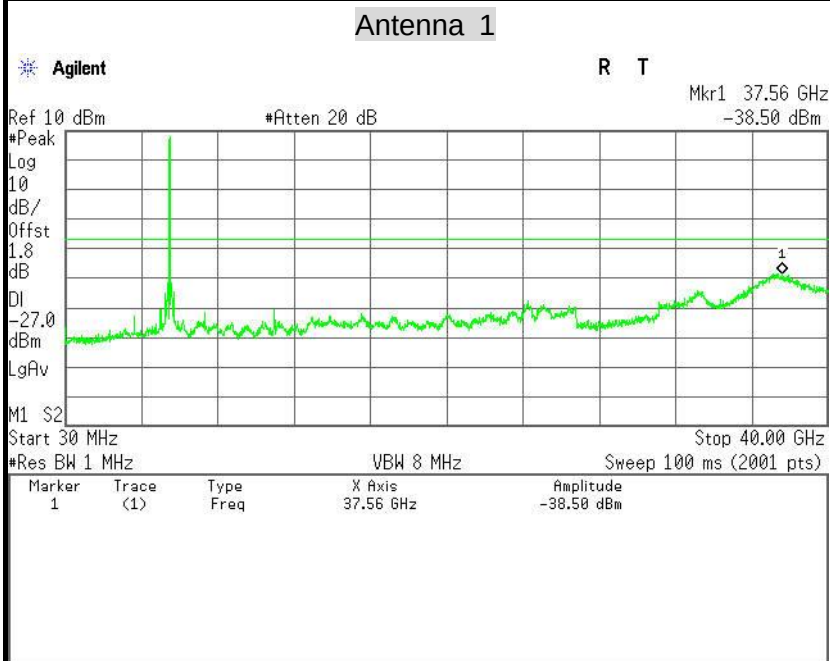
CH High



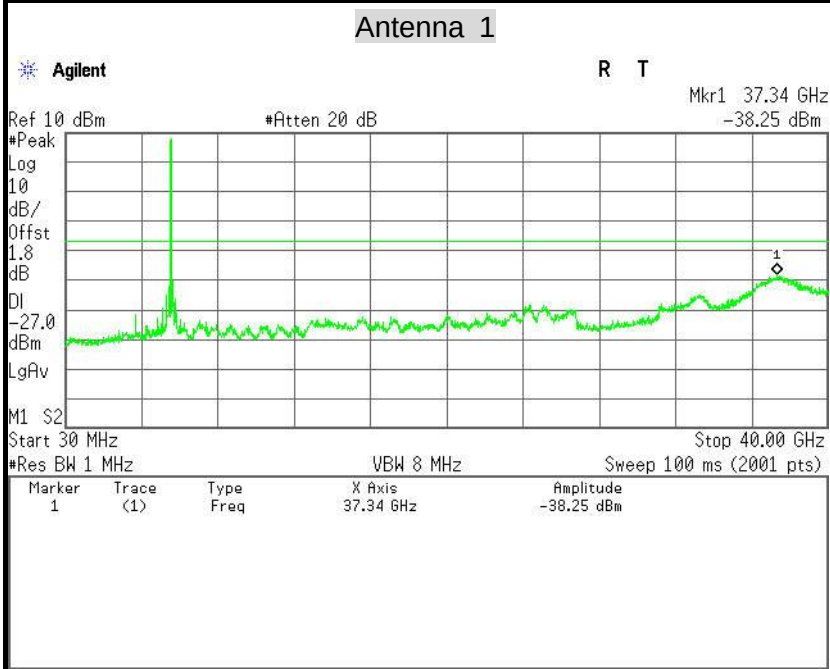


IEEE 802.11a mode / 5500 ~ 5700MHz

CH Low

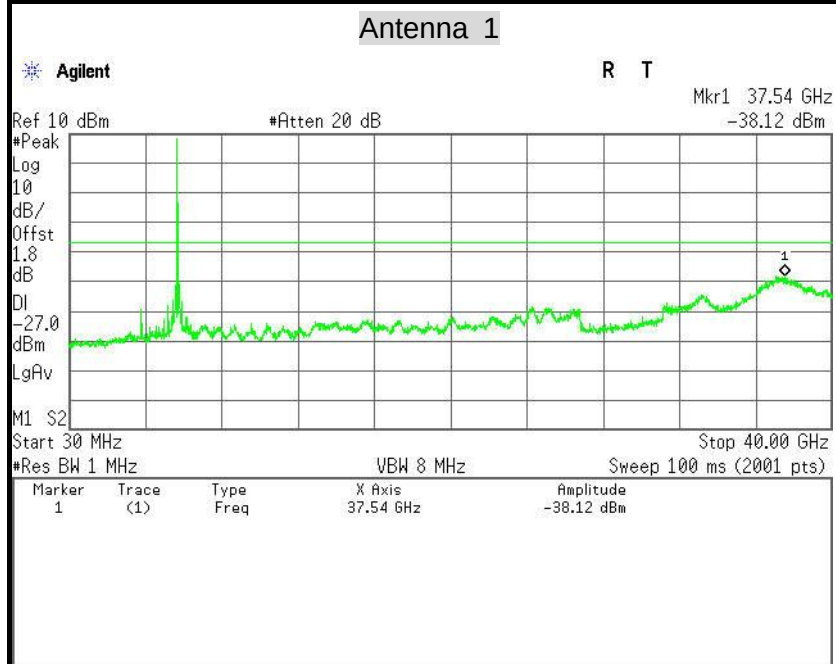


CH Mid



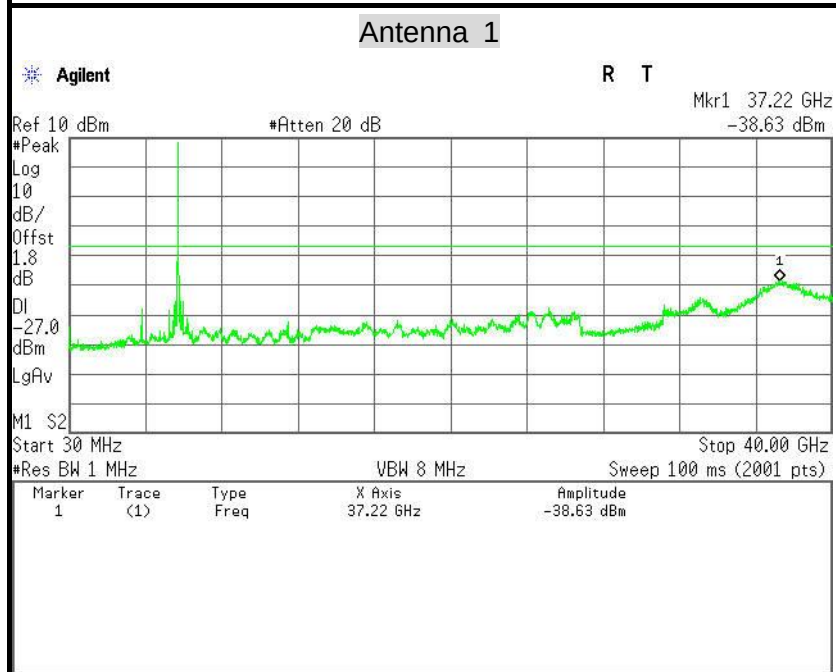


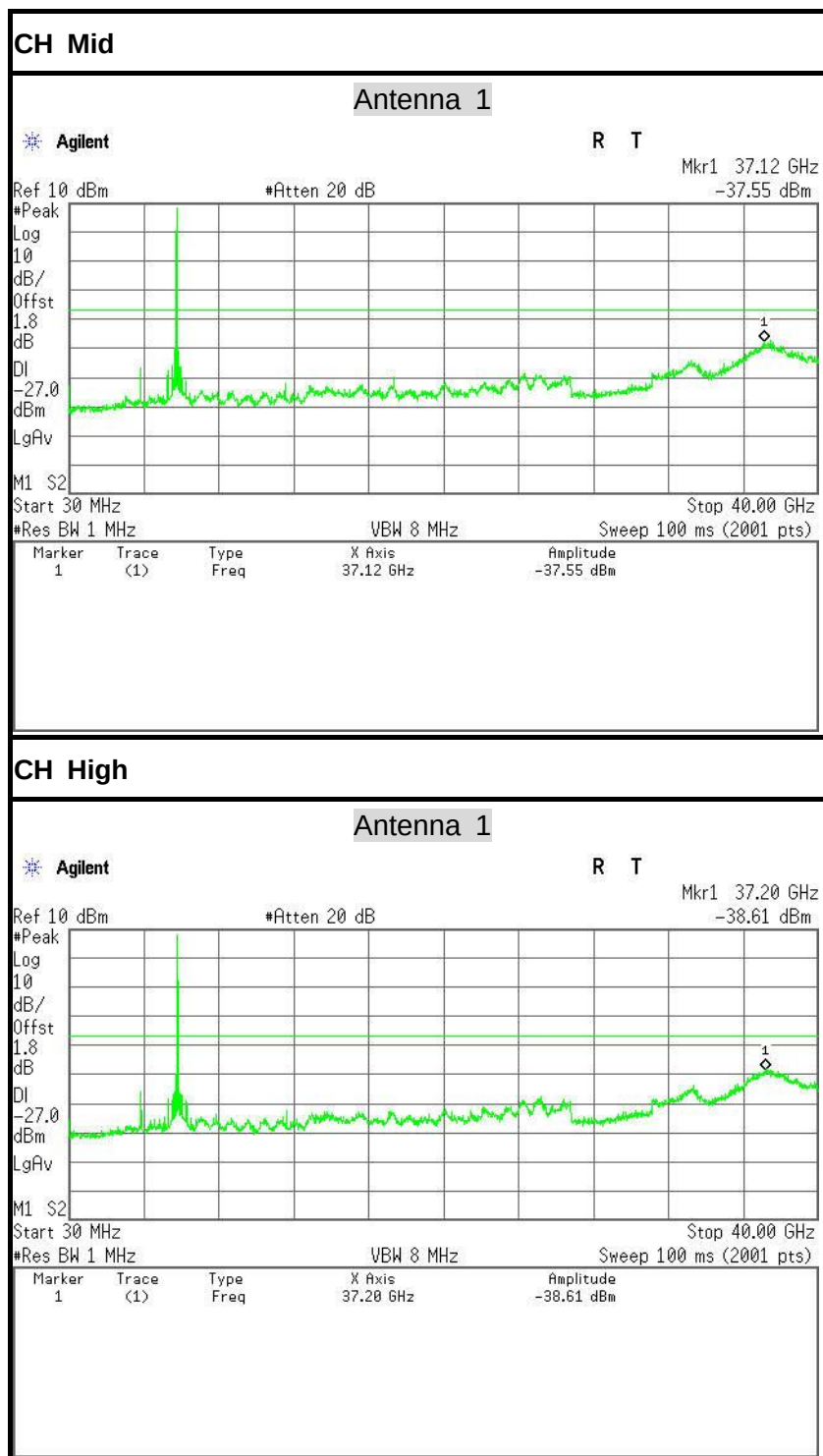
CH High



IEEE 802.11a mode / 5745 ~ 5825MHz

CH Low

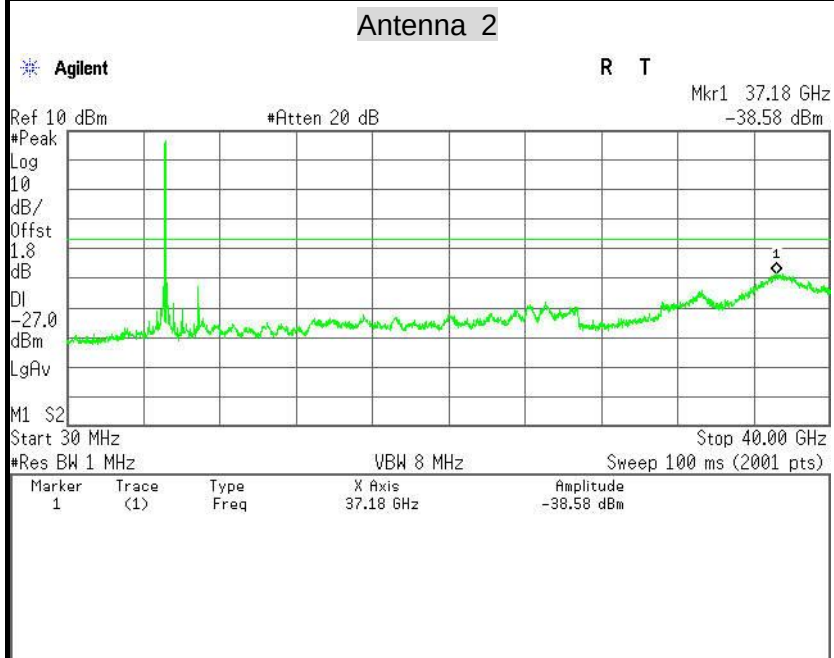




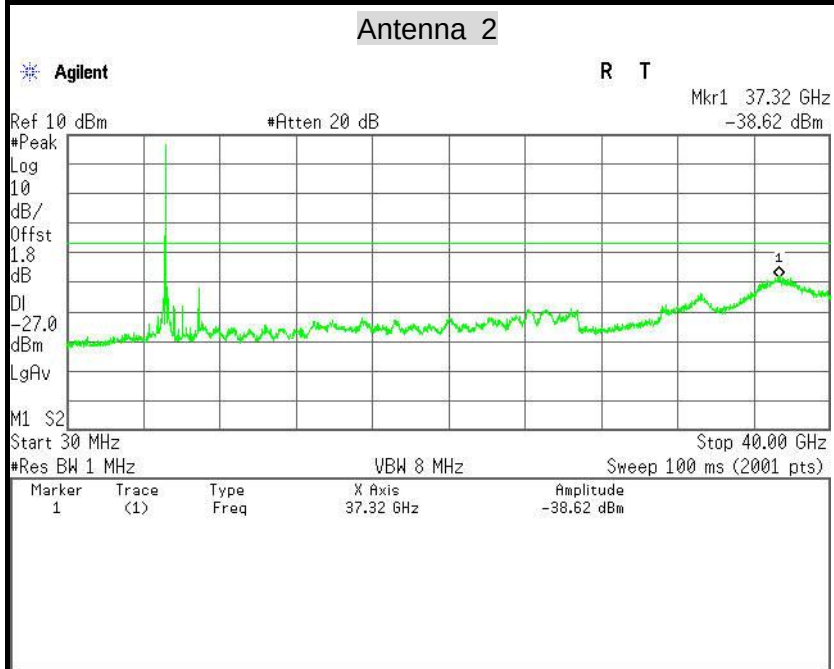


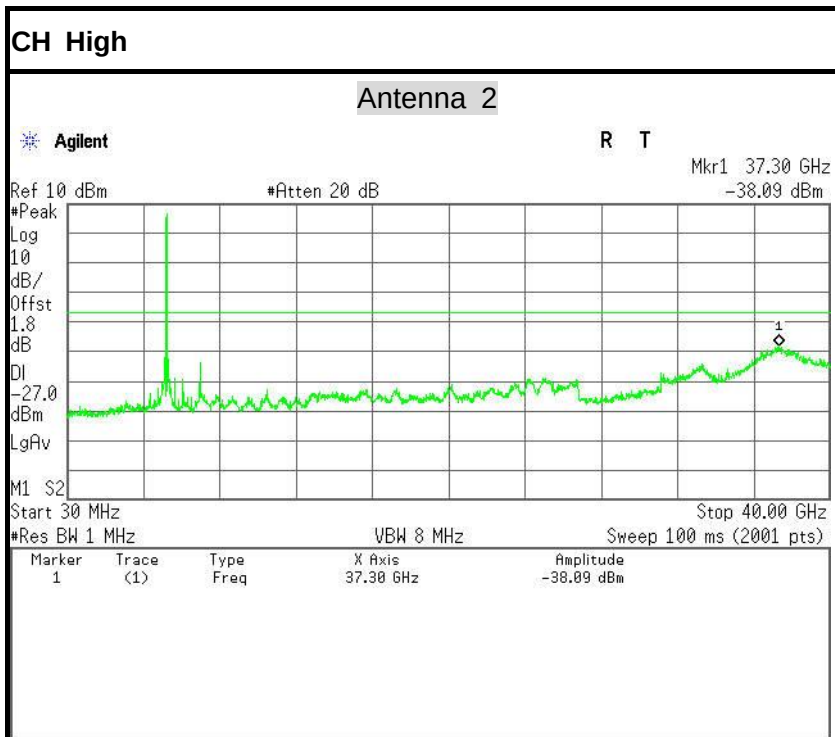
IEEE 802.11a mode / 5180 ~ 5240MHz

CH Low

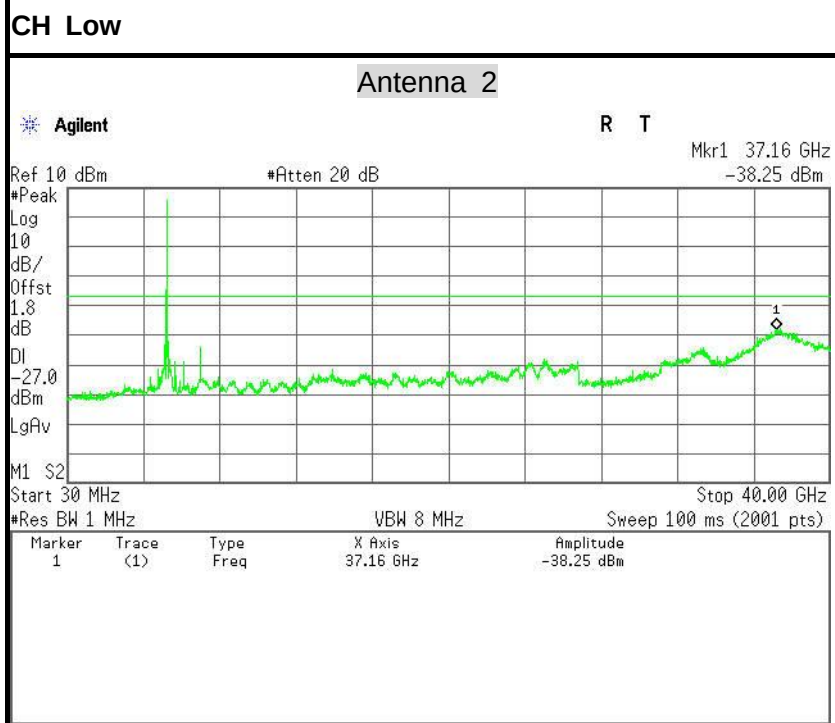


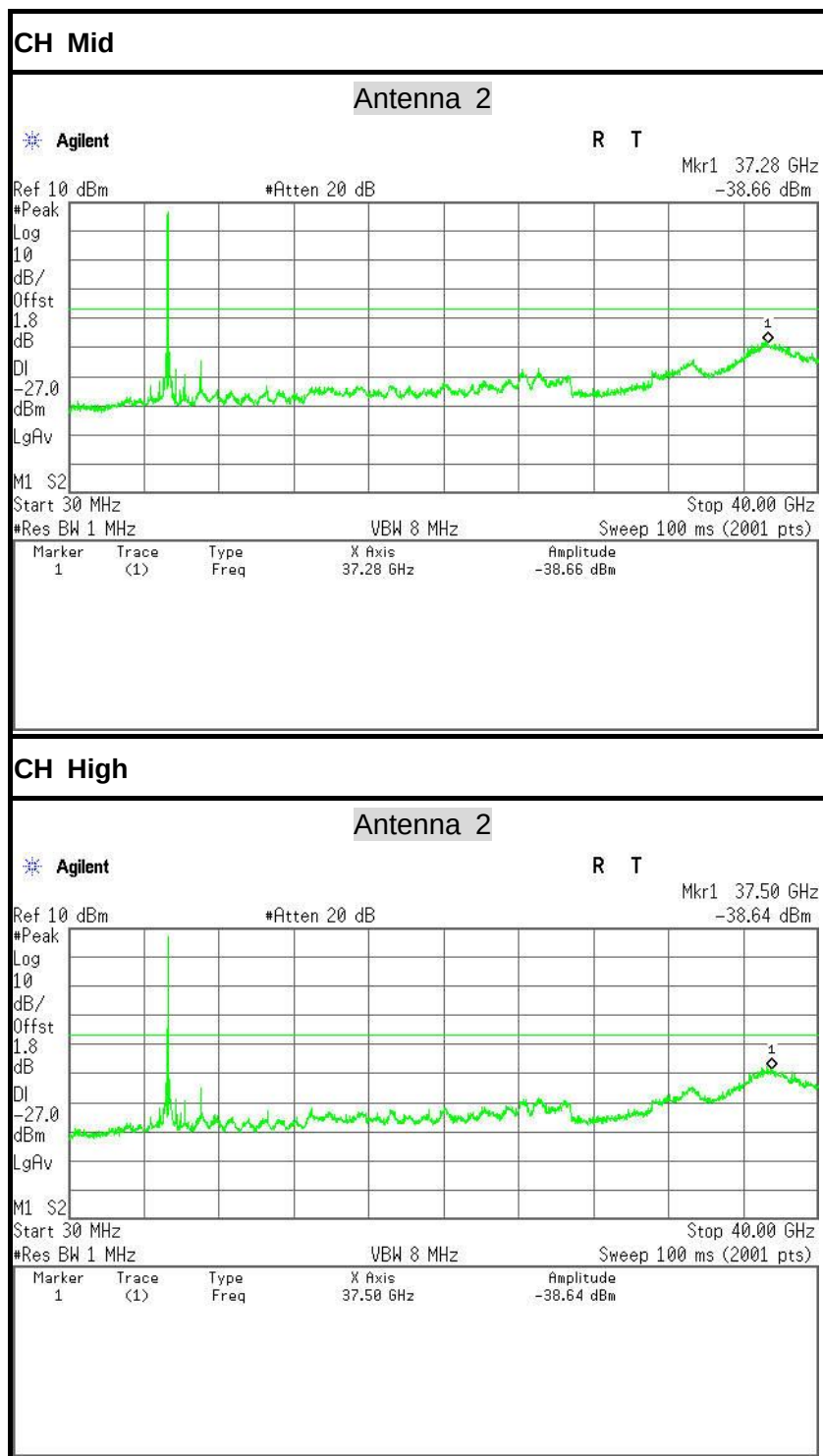
CH Mid





**IEEE 802.11a mode / 5260~ 5320MHz**

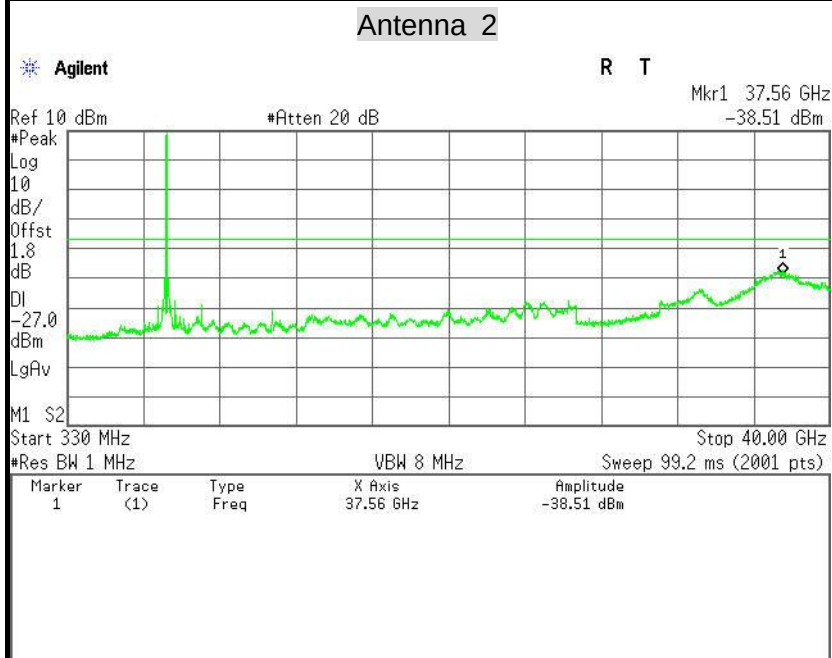




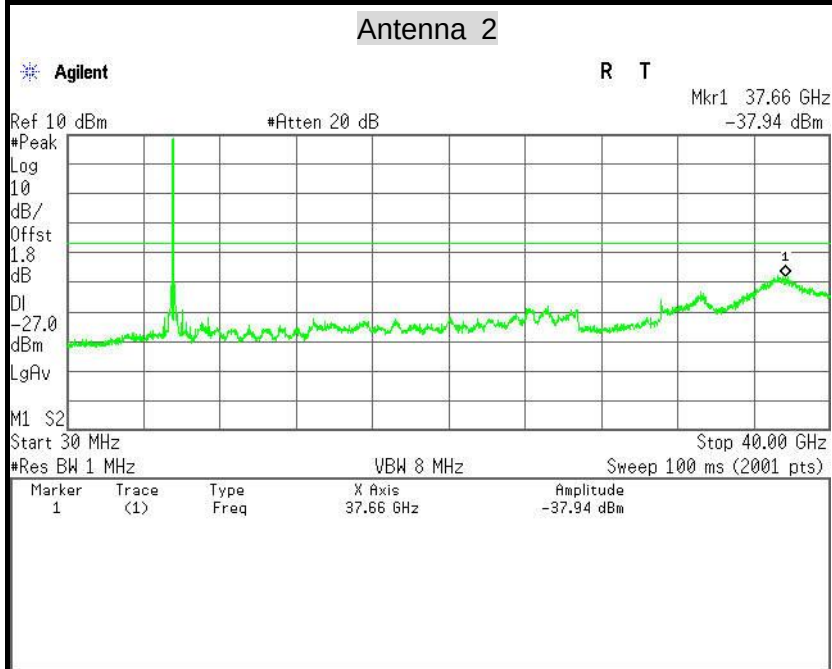


IEEE 802.11a mode / 5500 ~ 5700MHz

CH Low

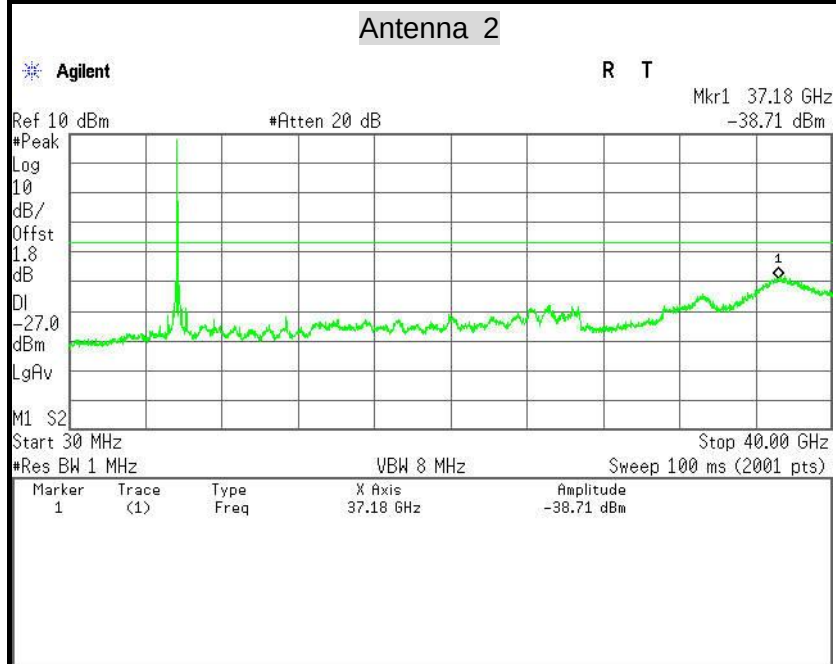


CH Mid



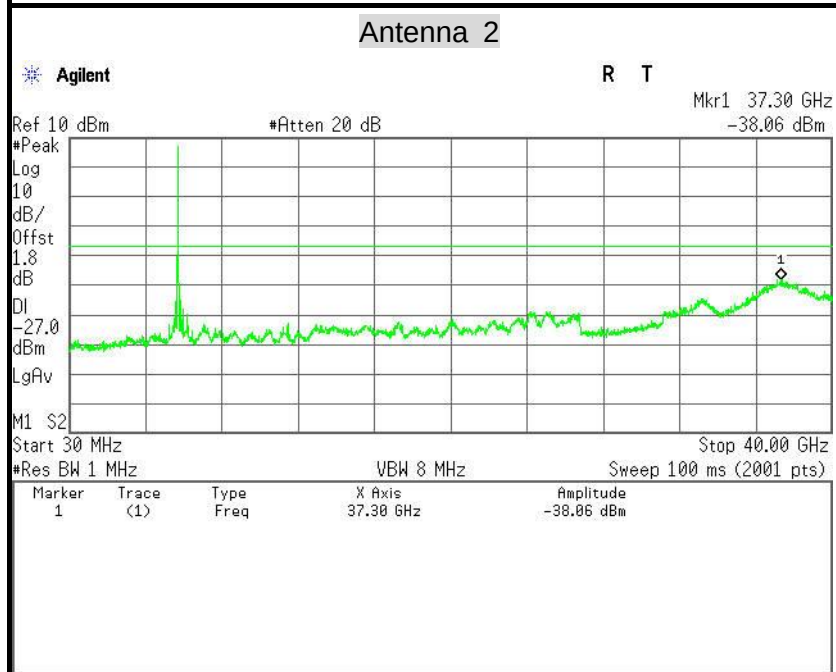


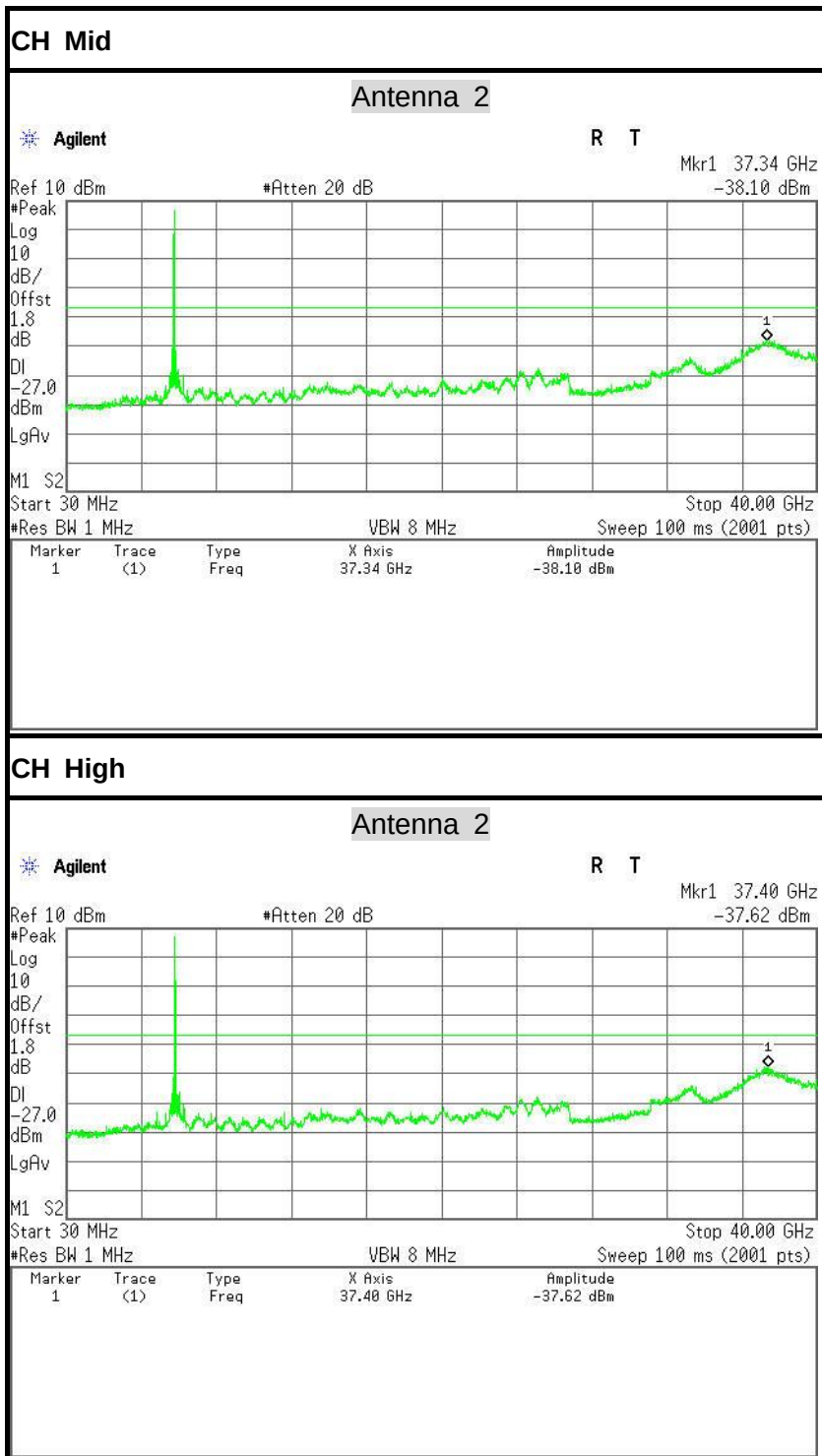
CH High



IEEE 802.11a mode / 5745 ~ 5825MHz

CH Low

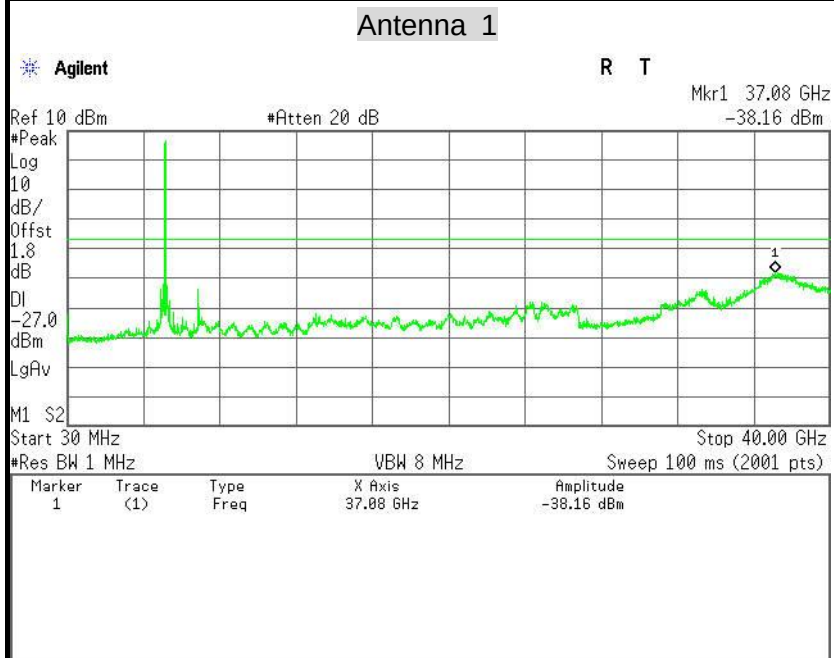




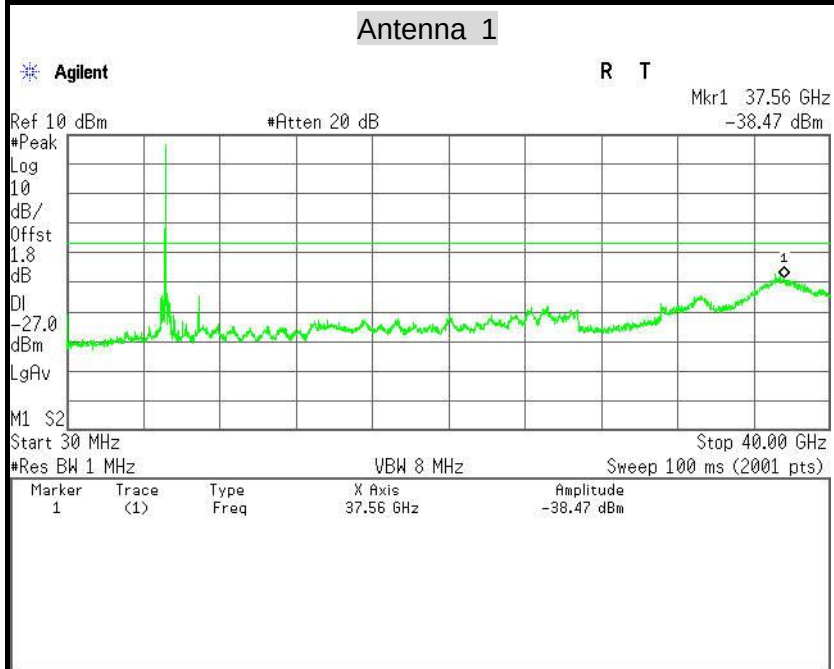


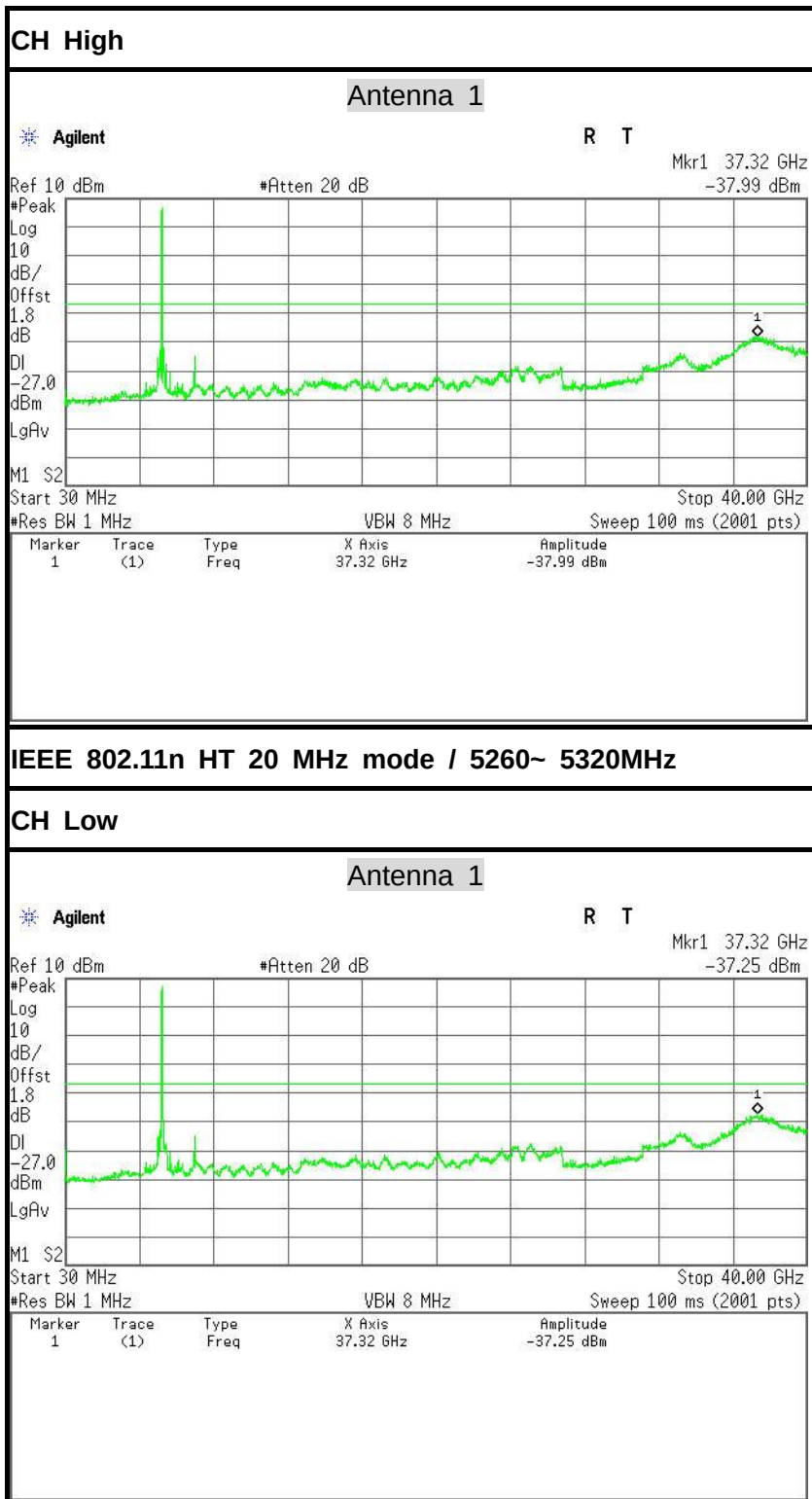
IEEE 802.11n HT 20 MHz mode / 5180 ~ 5240MHz

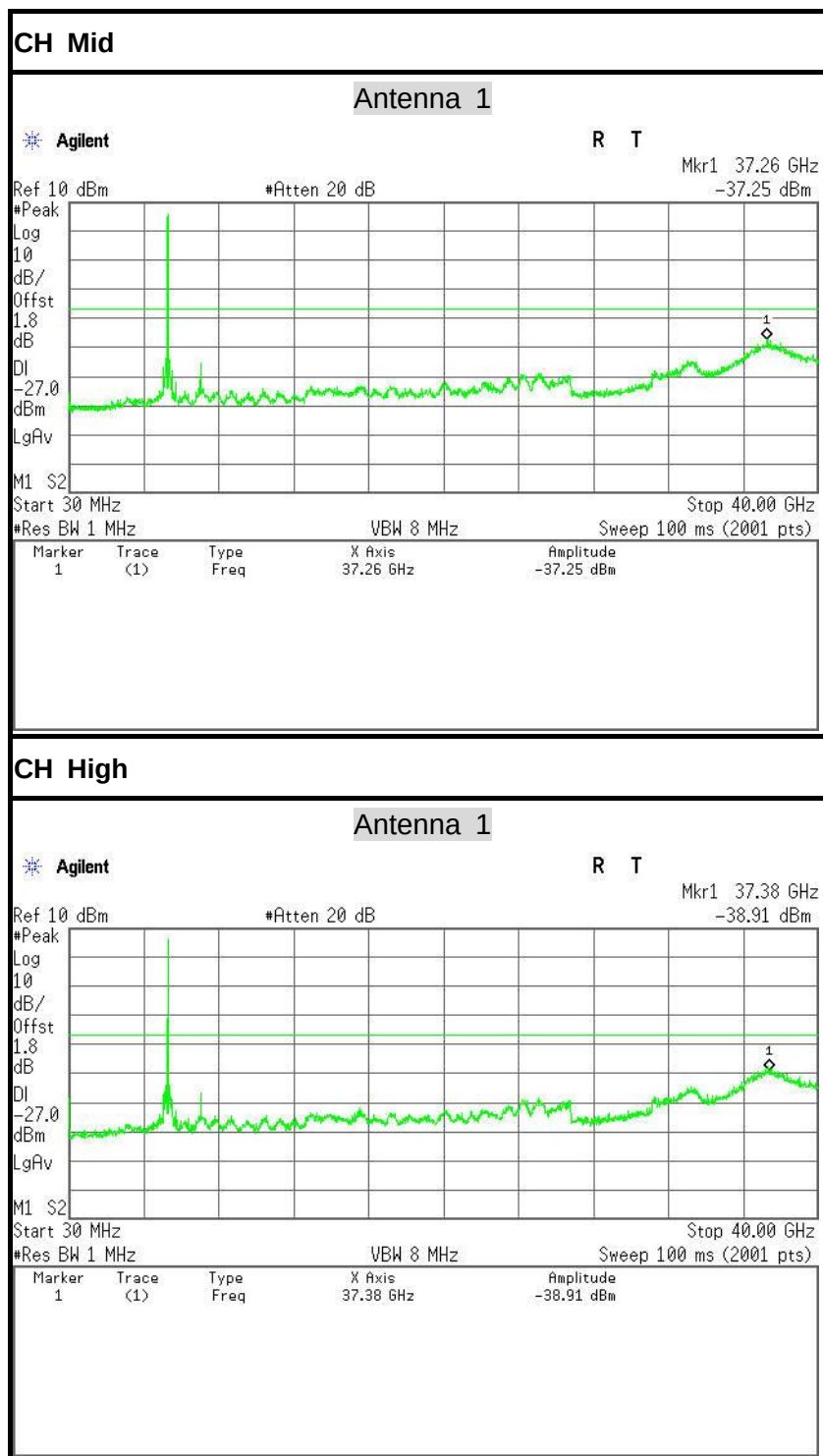
CH Low



CH Mid



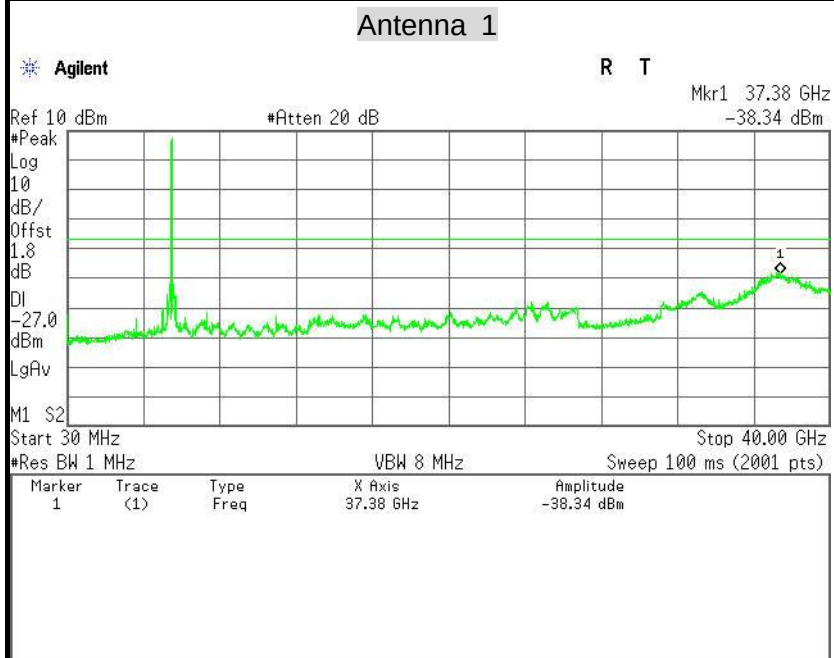




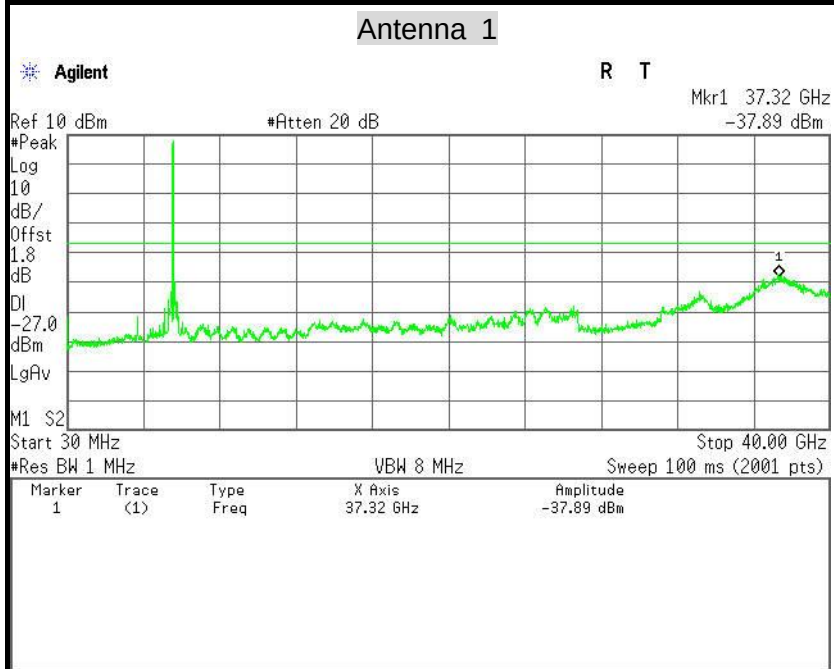


IEEE 802.11n HT 20 MHz mode / 5500 ~ 5700MHz

CH Low

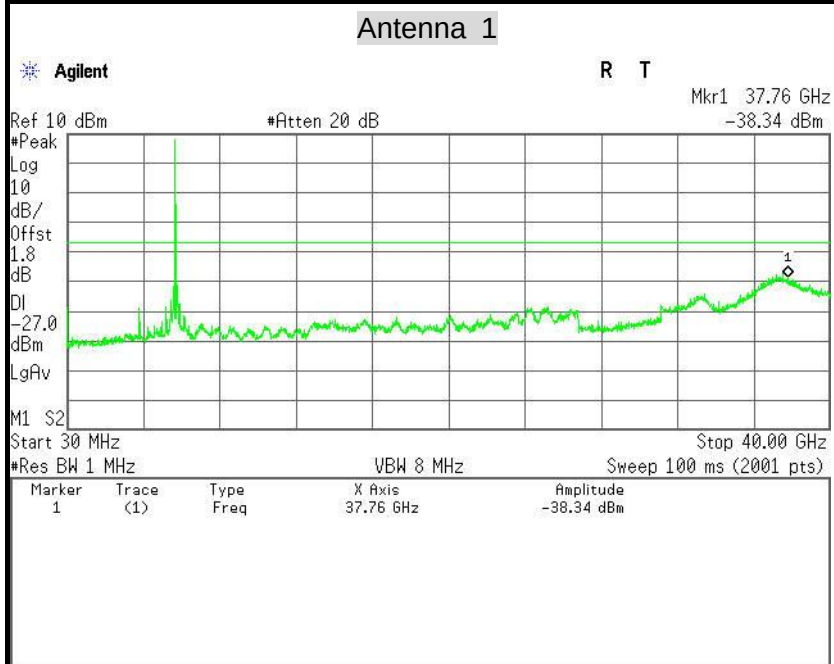


CH Mid



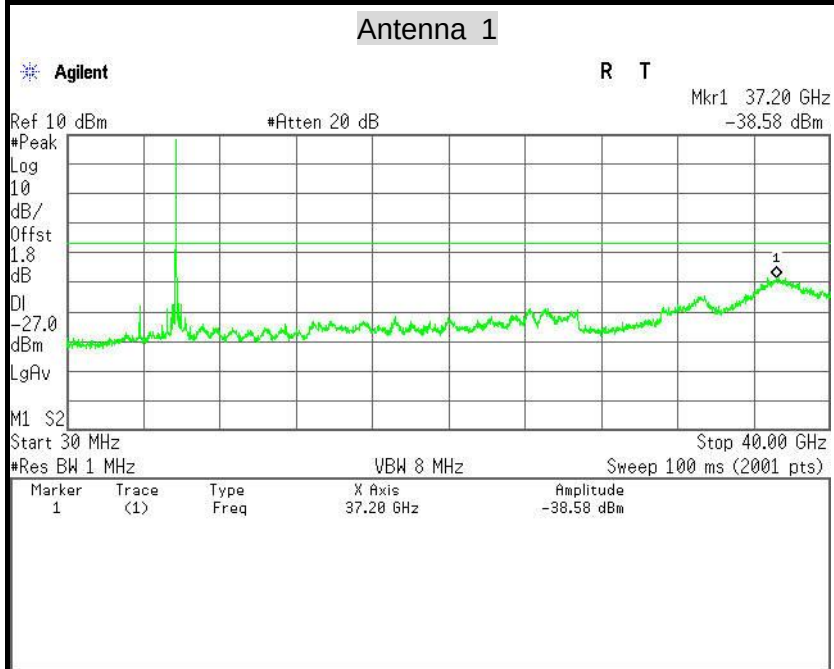


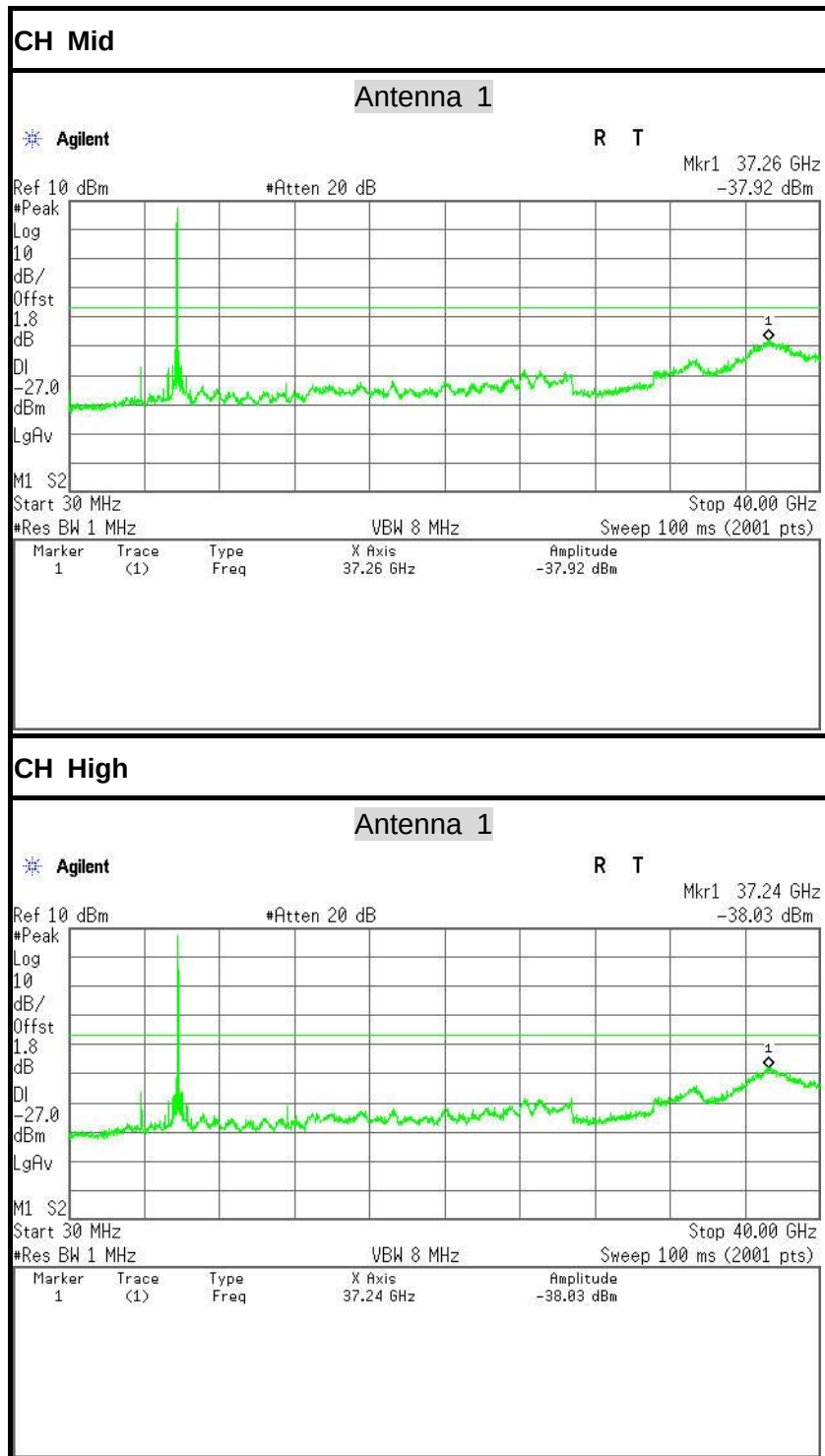
### CH High



### IEEE 802.11n HT 20 MHz mode / 5745 ~ 5825MHz

### CH Low

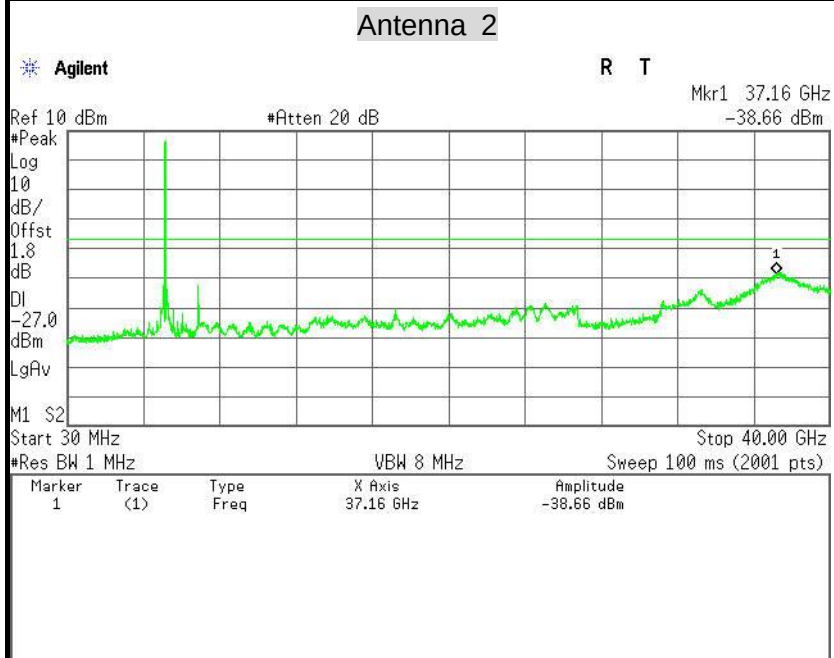




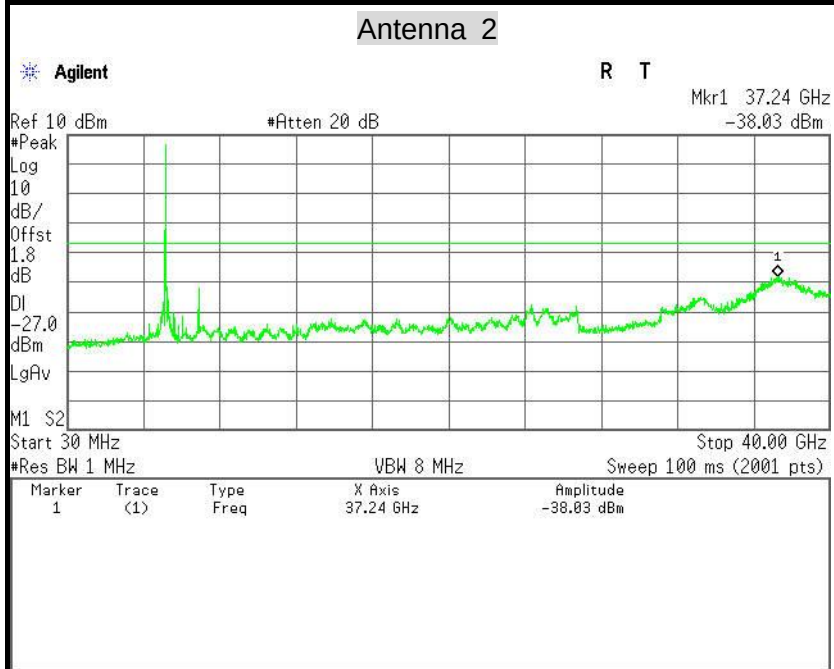


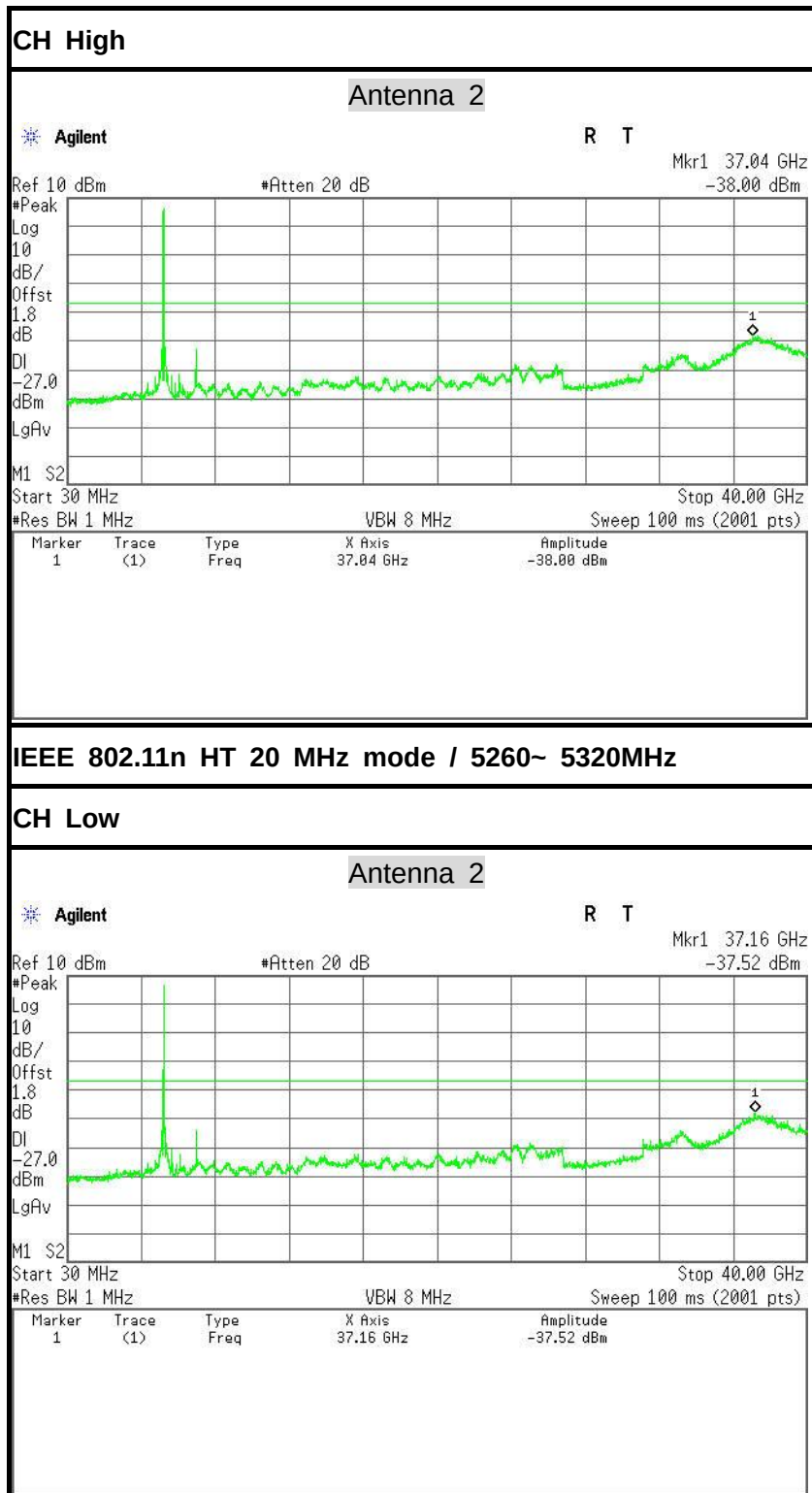
IEEE 802.11n HT 20 MHz mode / 5180 ~ 5240MHz

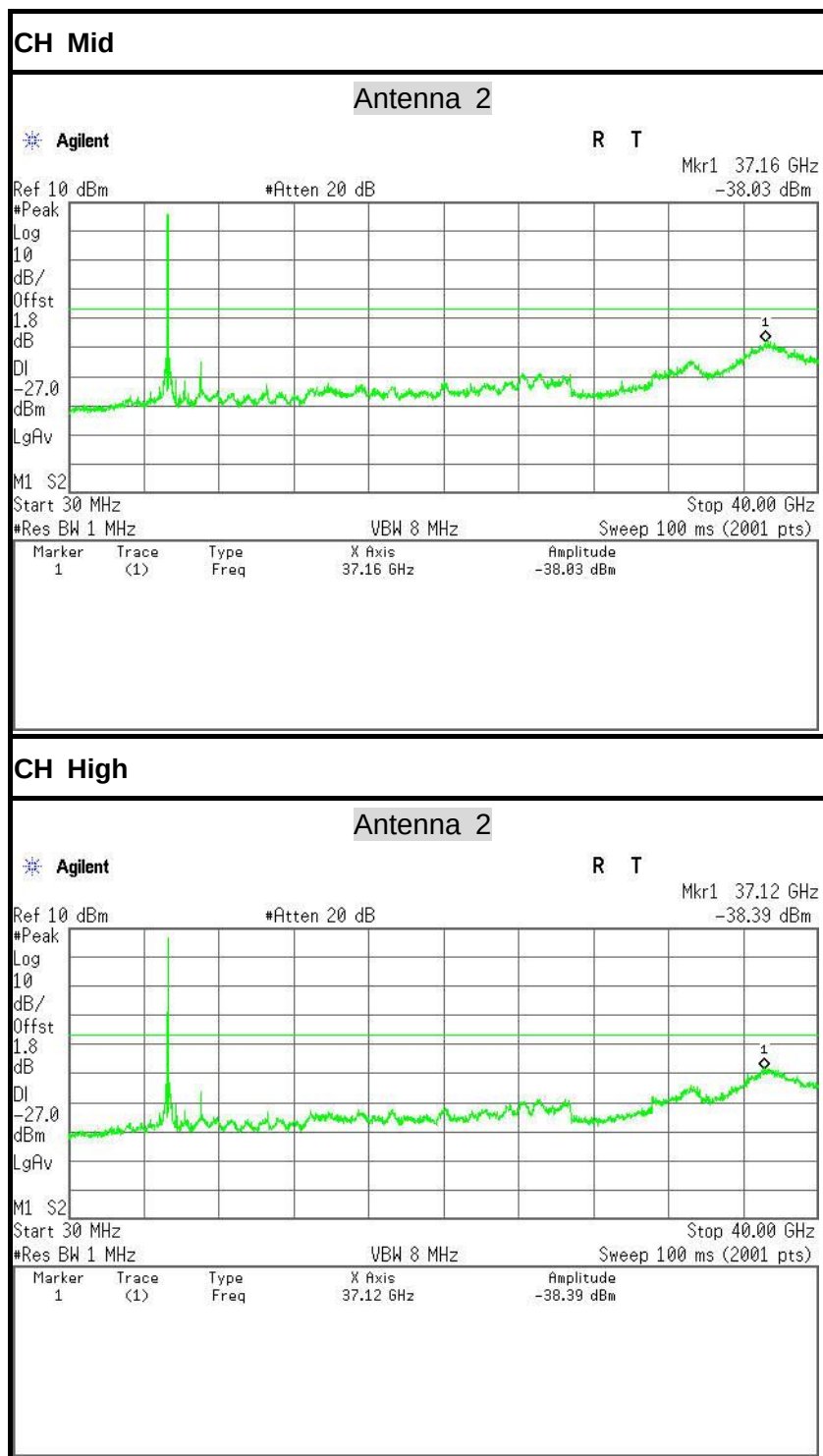
CH Low



CH Mid



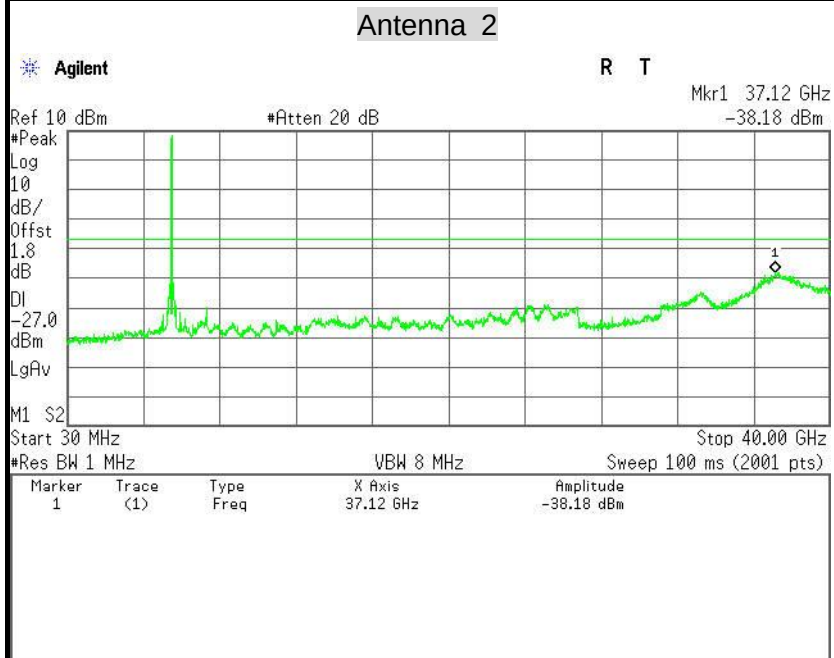




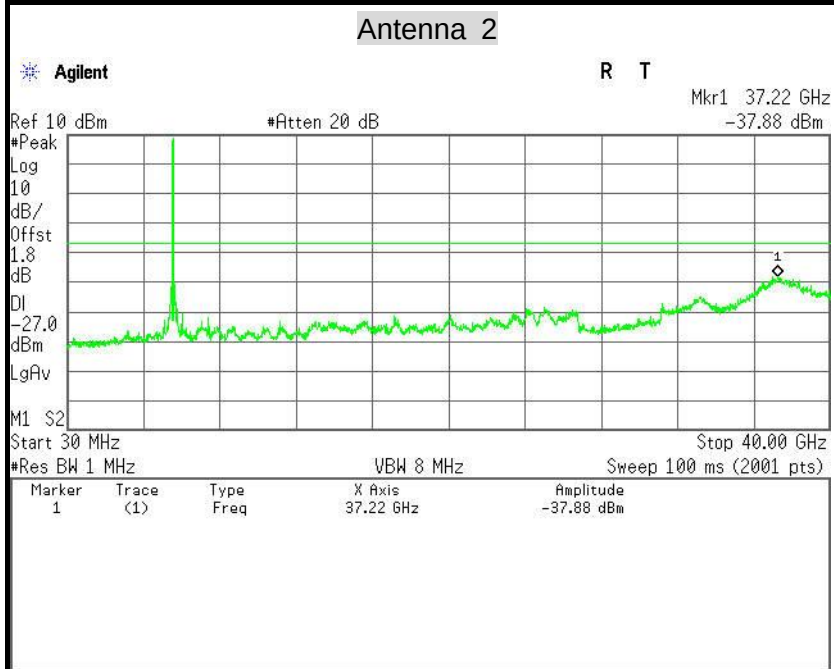


IEEE 802.11n HT 20 MHz mode / 5500 ~ 5700MHz

CH Low

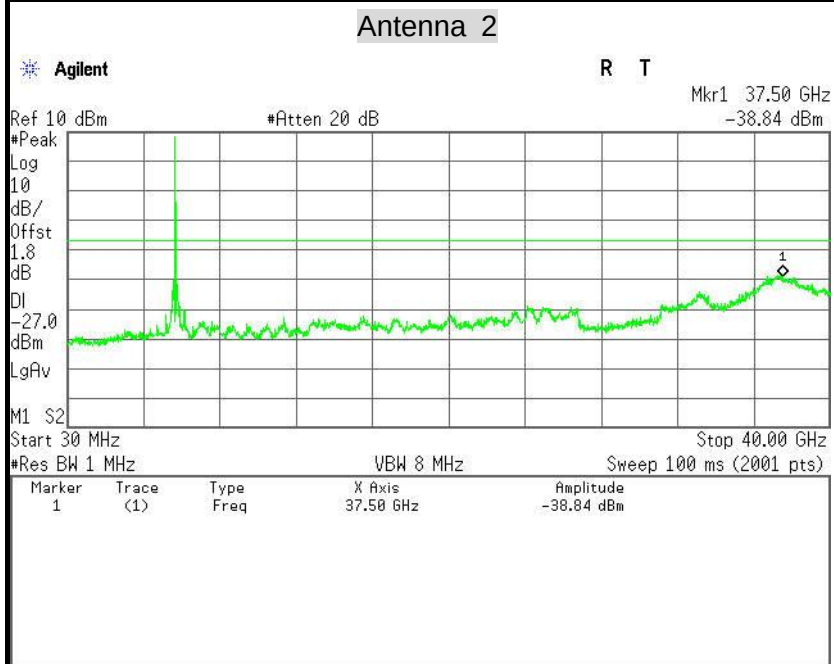


CH Mid



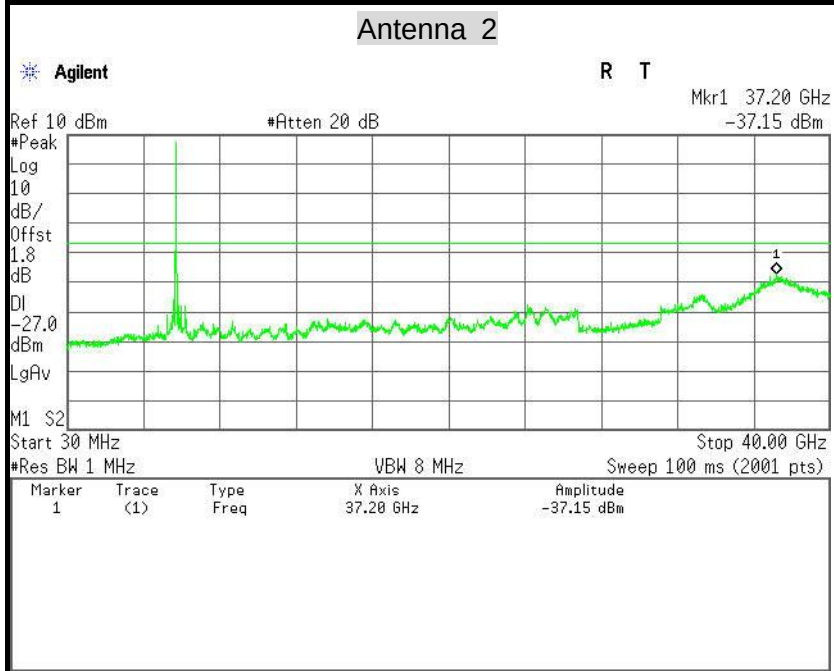


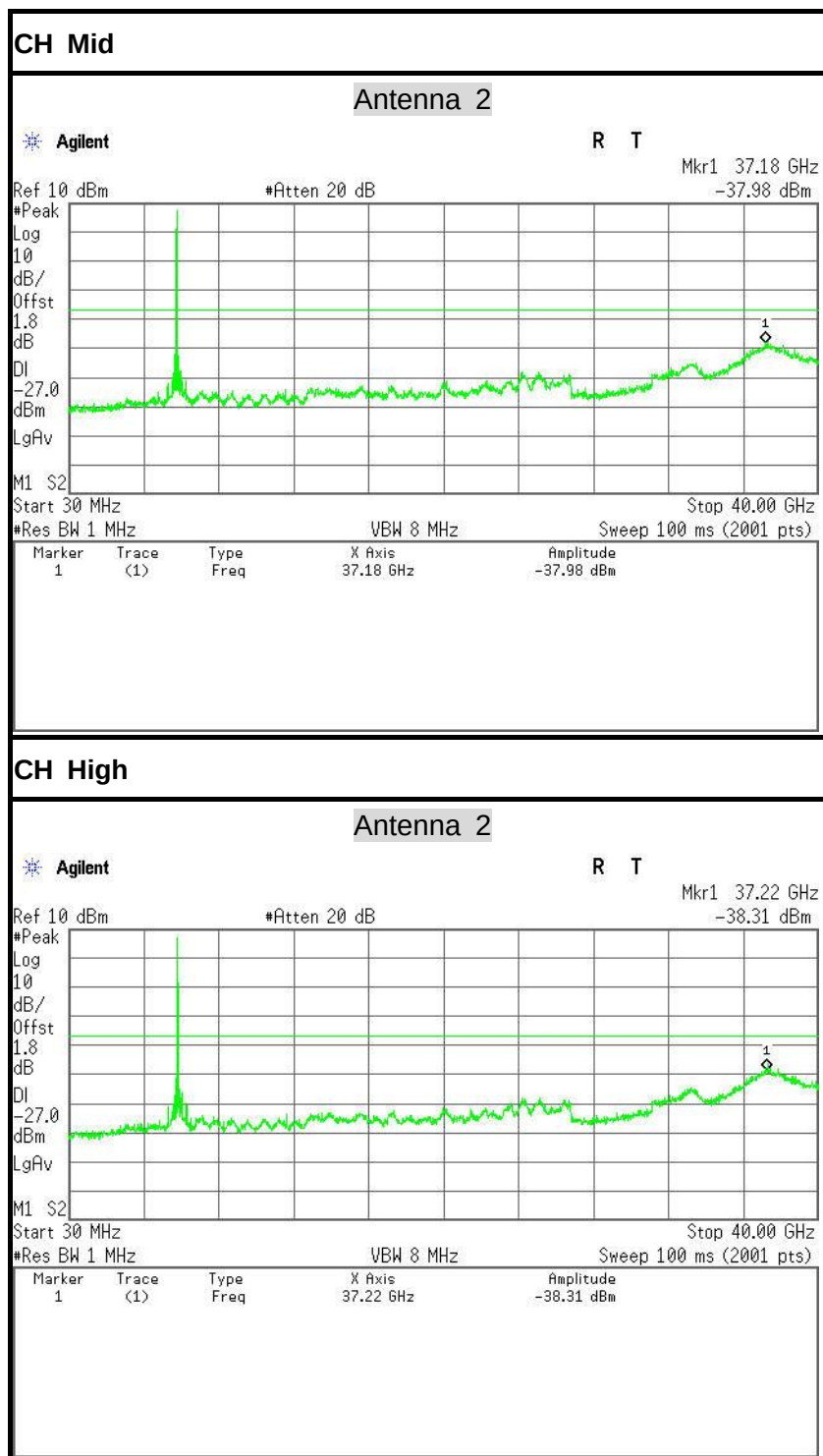
CH High



IEEE 802.11n HT 20 MHz mode / 5745 ~ 5825MHz

CH Low

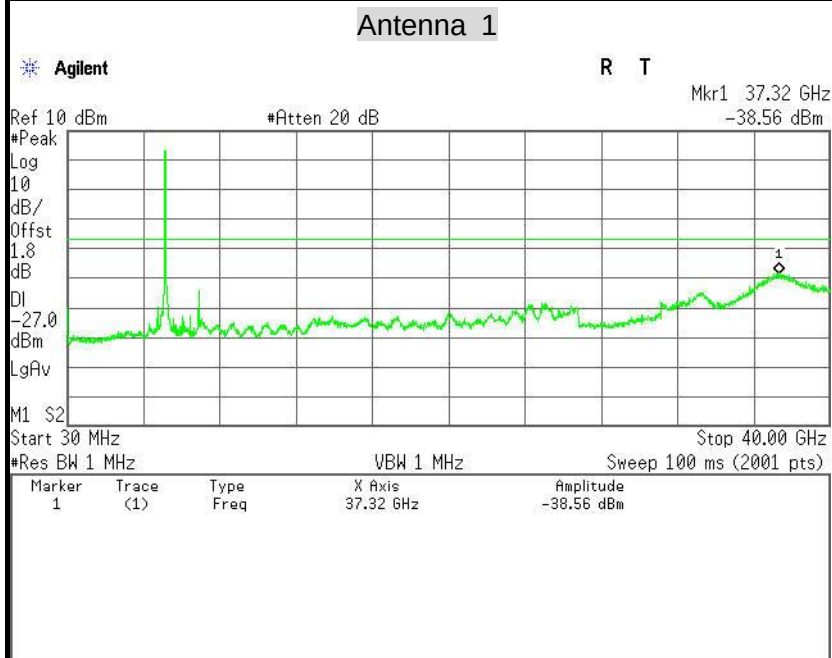




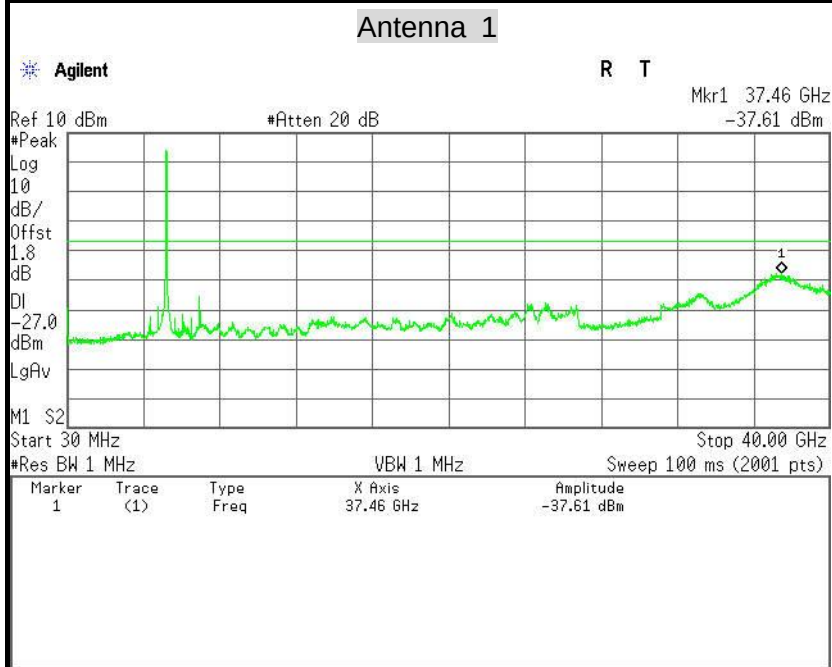


IEEE 802.11n HT 40 MHz mode / 5190 ~ 5230MHz

CH Low



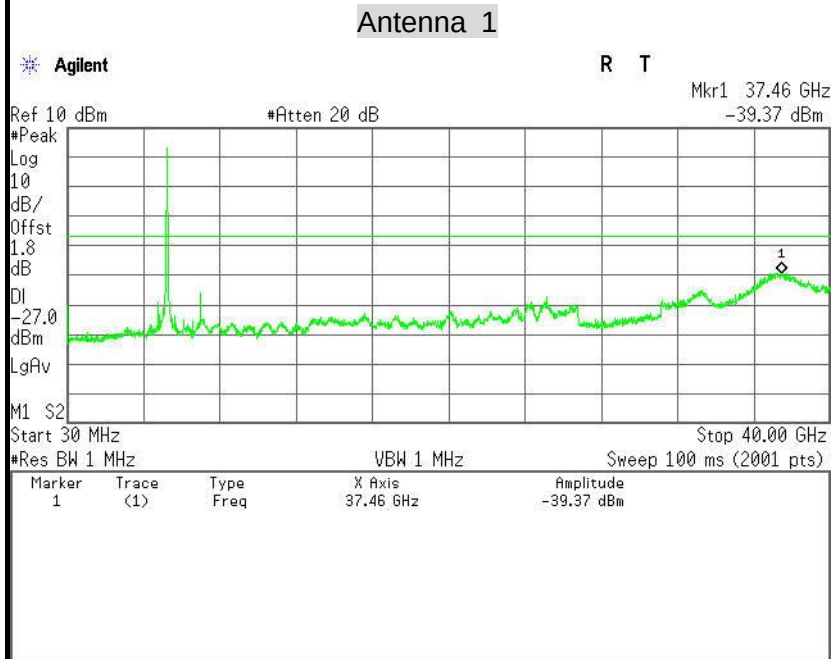
CH High



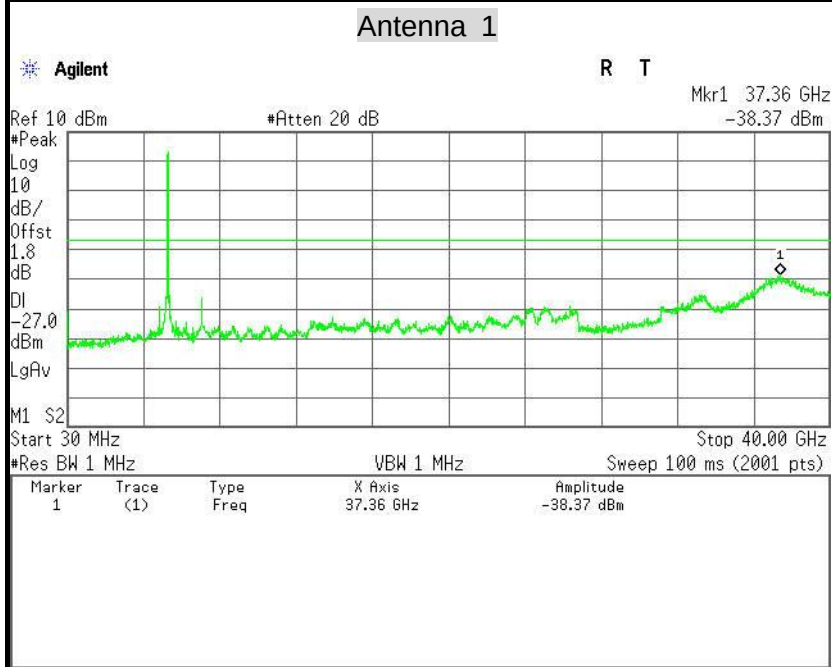


IEEE 802.11n HT 40 MHz mode / 5270 ~ 5310MHz

CH Low



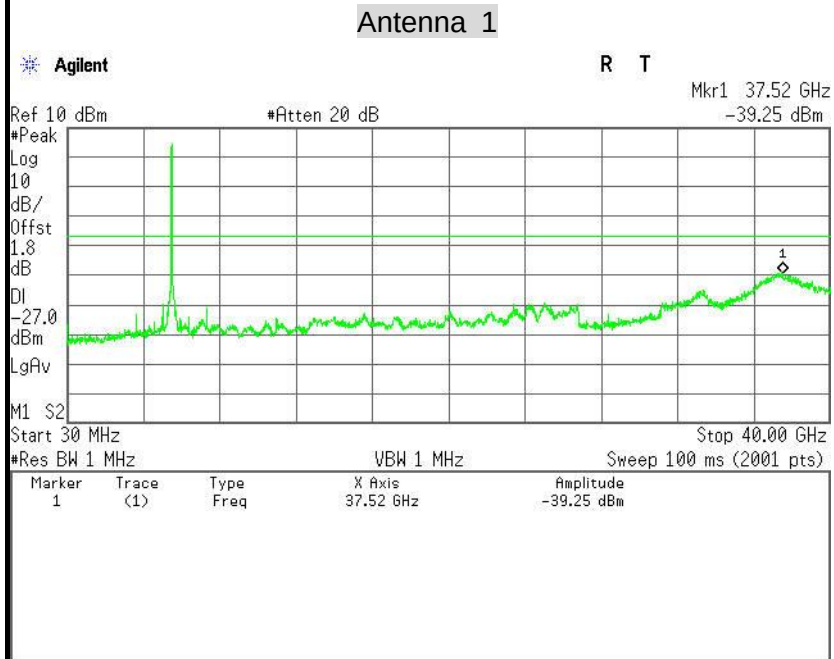
CH High



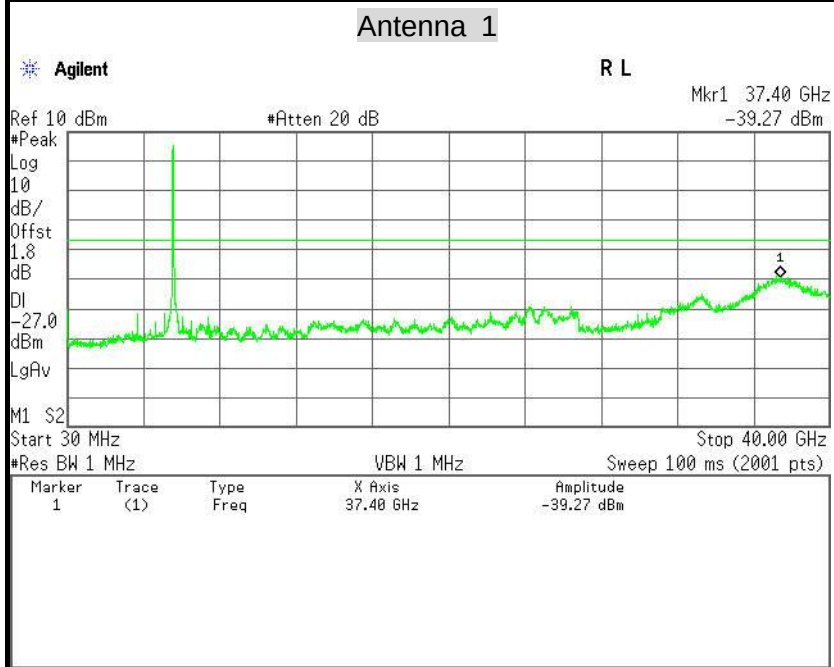


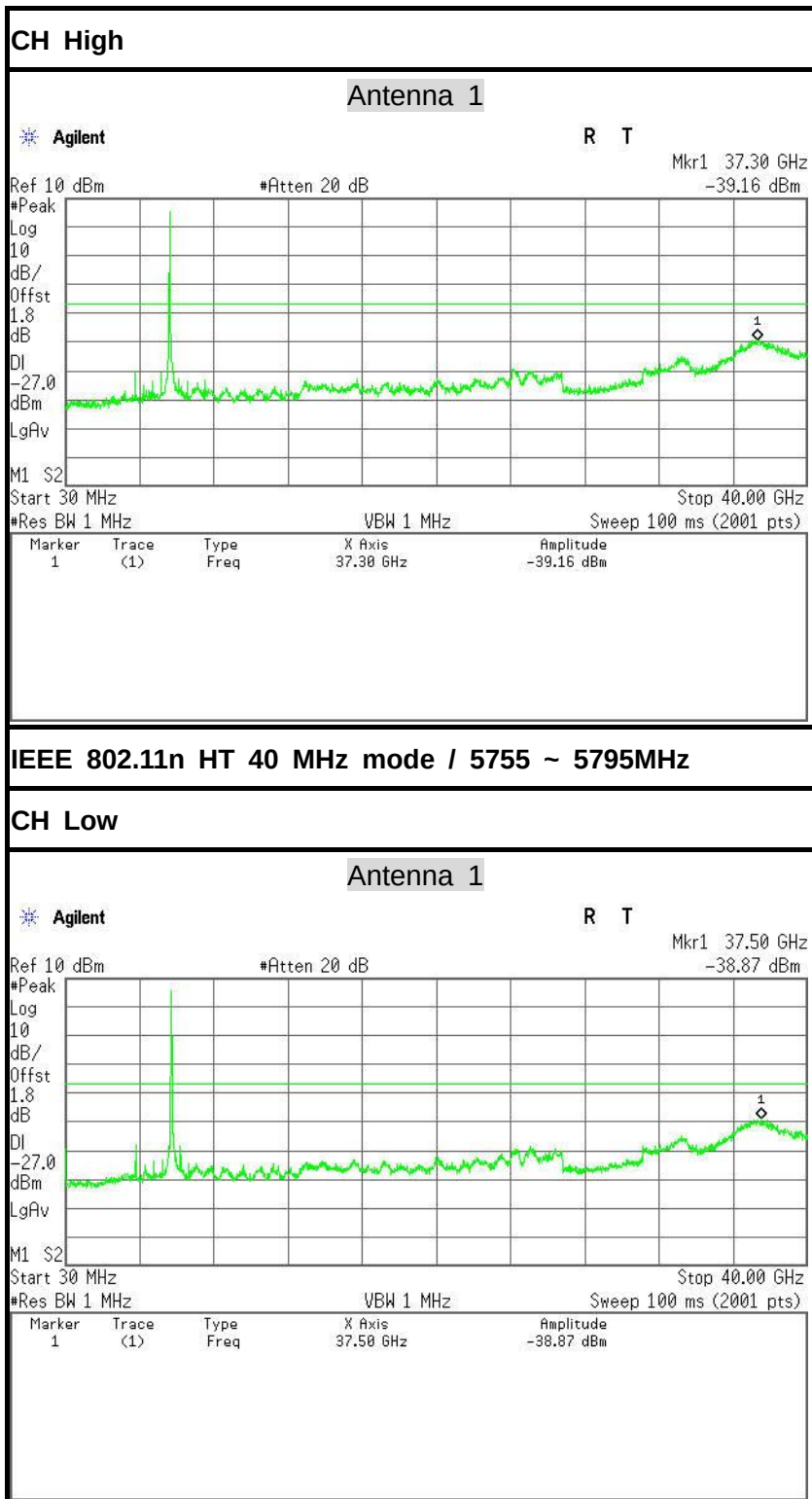
IEEE 802.11n HT 40 MHz mode / 5510 ~ 5670MHz

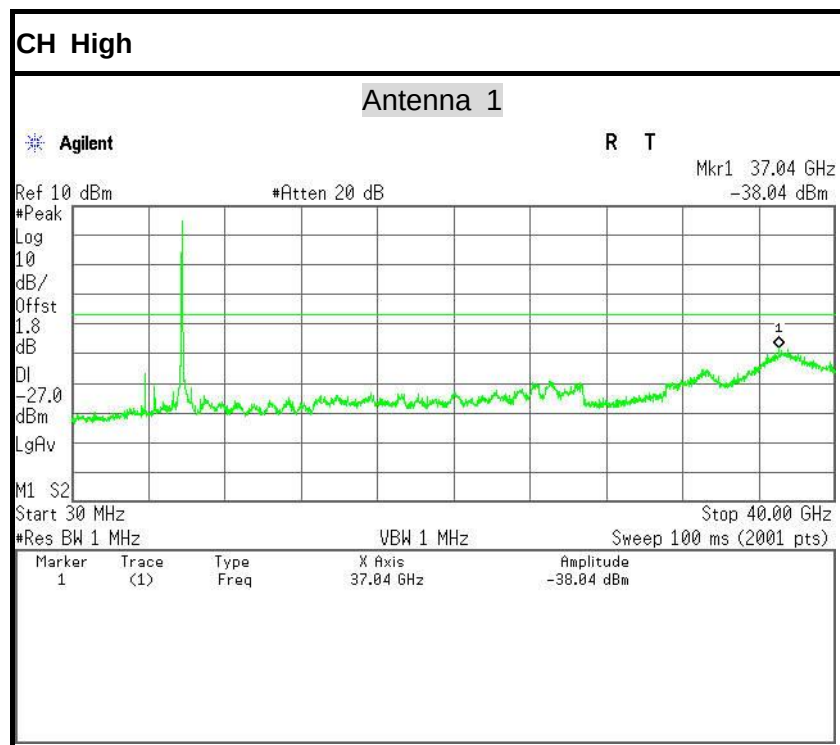
CH Low



CH Mid



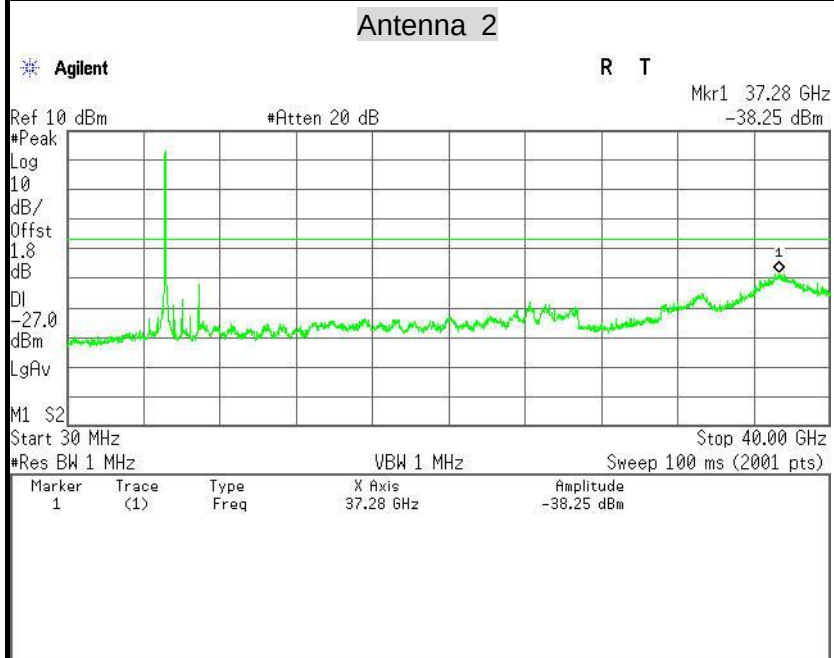




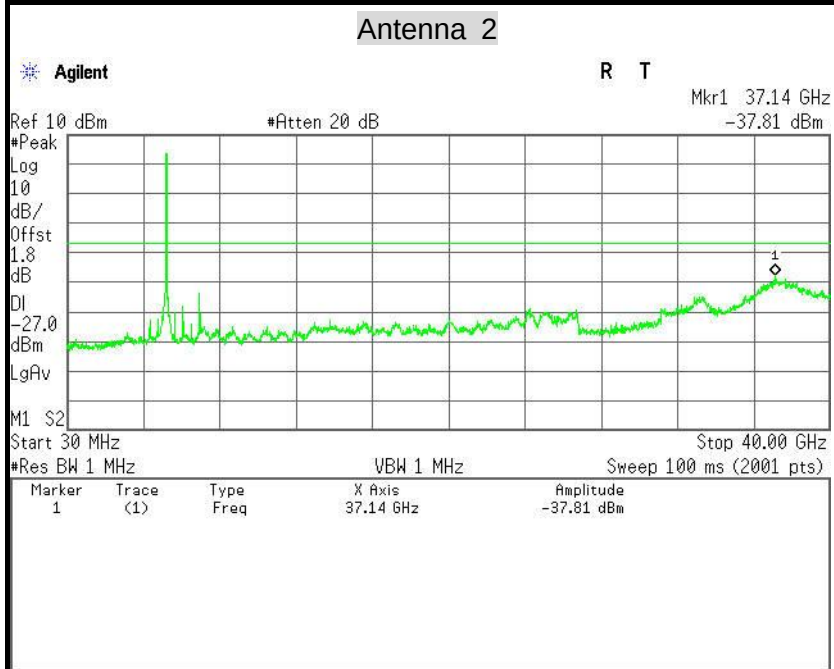


IEEE 802.11n HT 40 MHz mode / 5190 ~ 5230MHz

CH Low



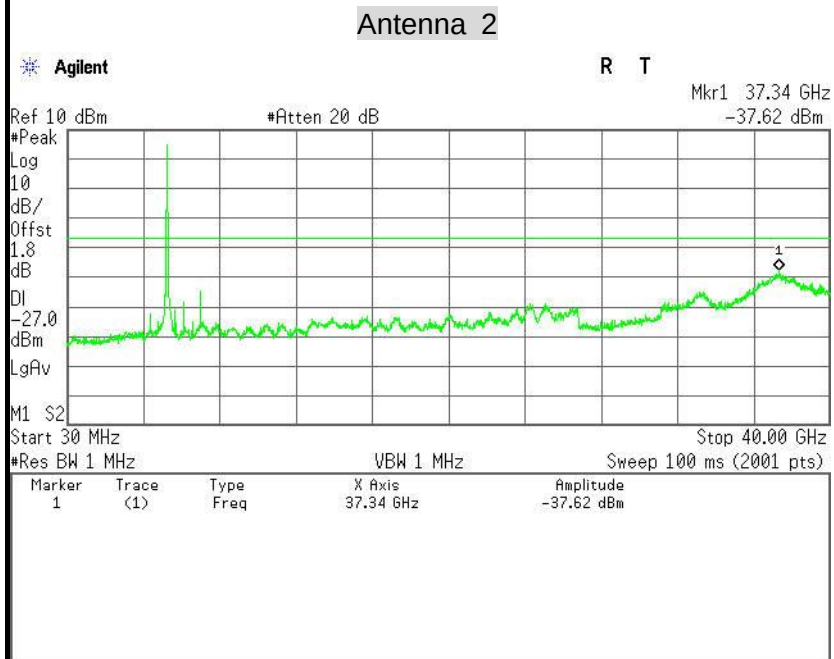
CH High



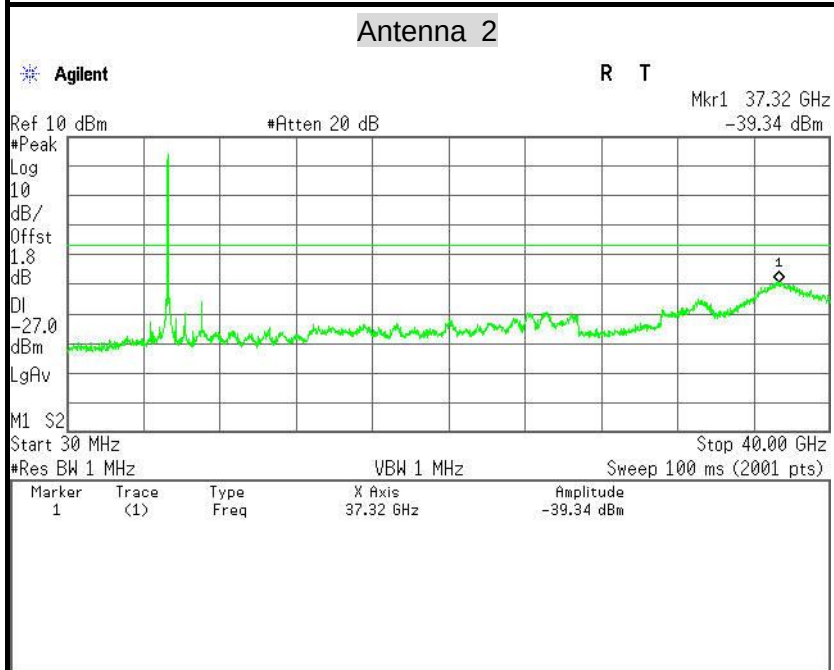


IEEE 802.11n HT 40 MHz mode / 5270 ~ 5310MHz

CH Low



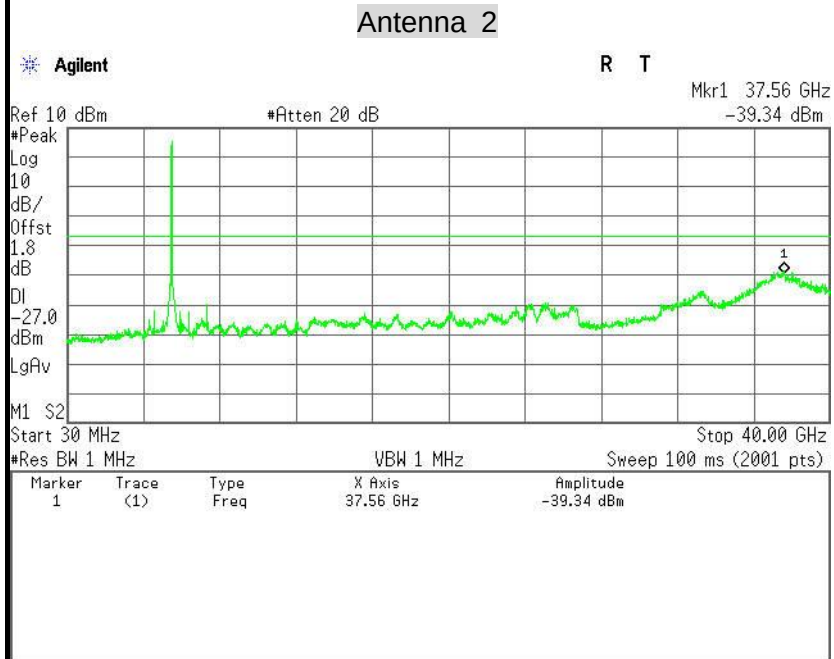
CH High



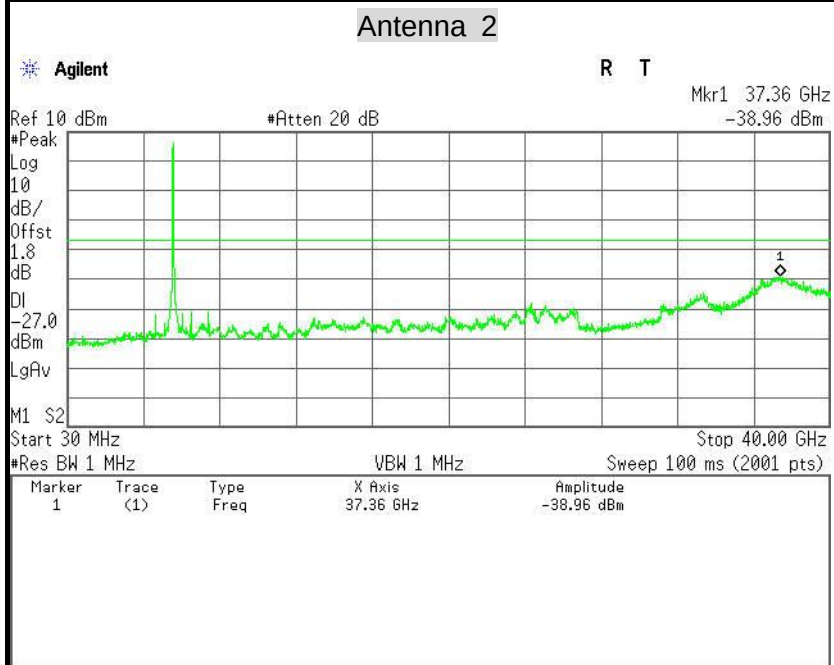


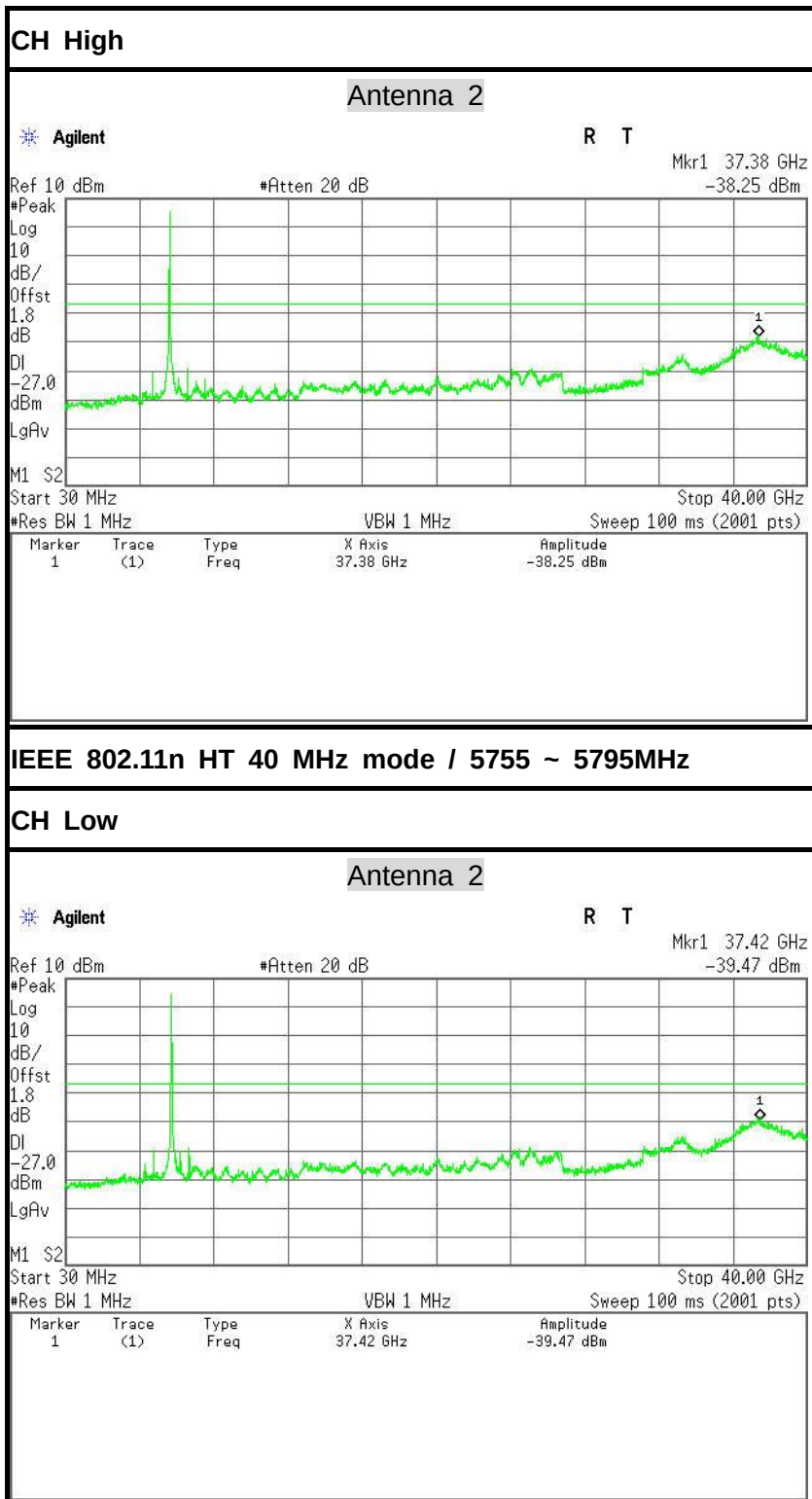
IEEE 802.11n HT 40 MHz mode / 5510 ~ 5670MHz

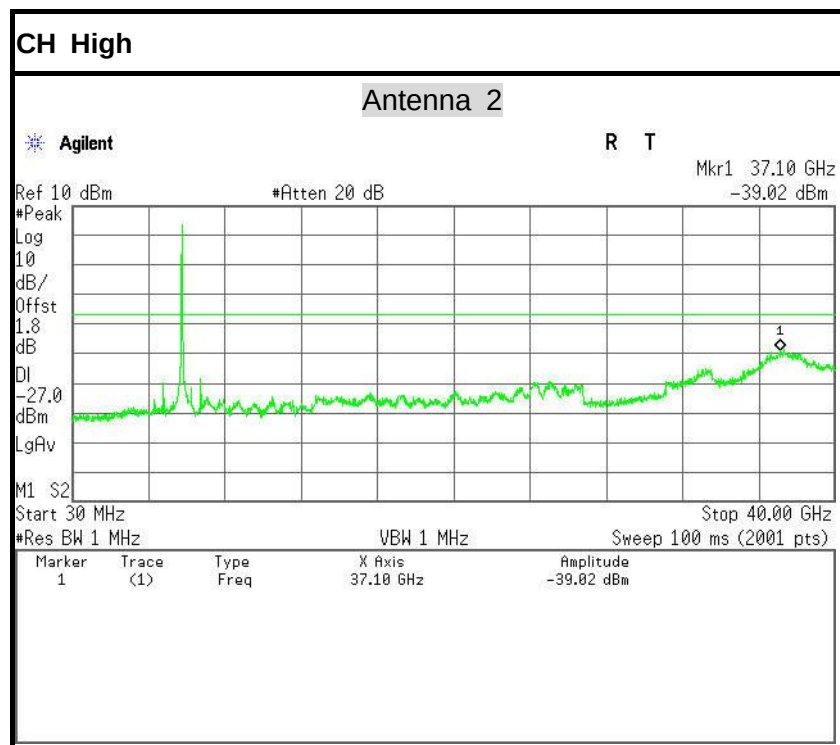
CH Low



CH Mid

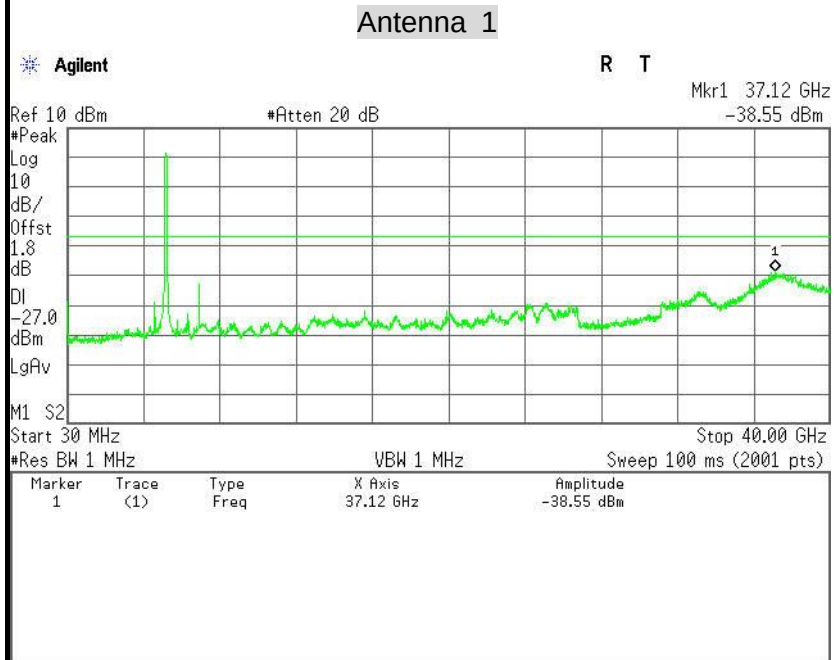




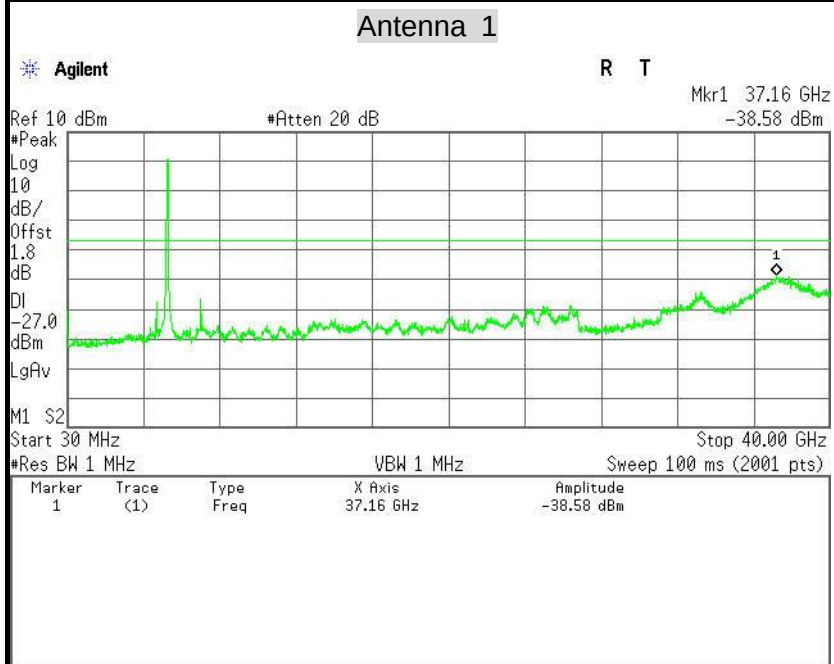




IEEE 802.11ac 80 mode / 5210MHz



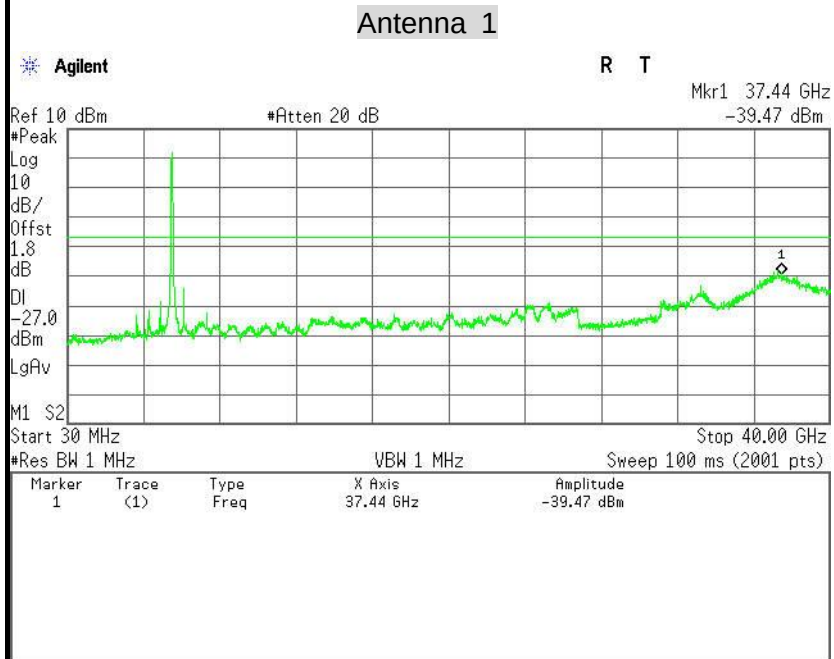
IEEE 802.11ac 80 mode / 5290MHz



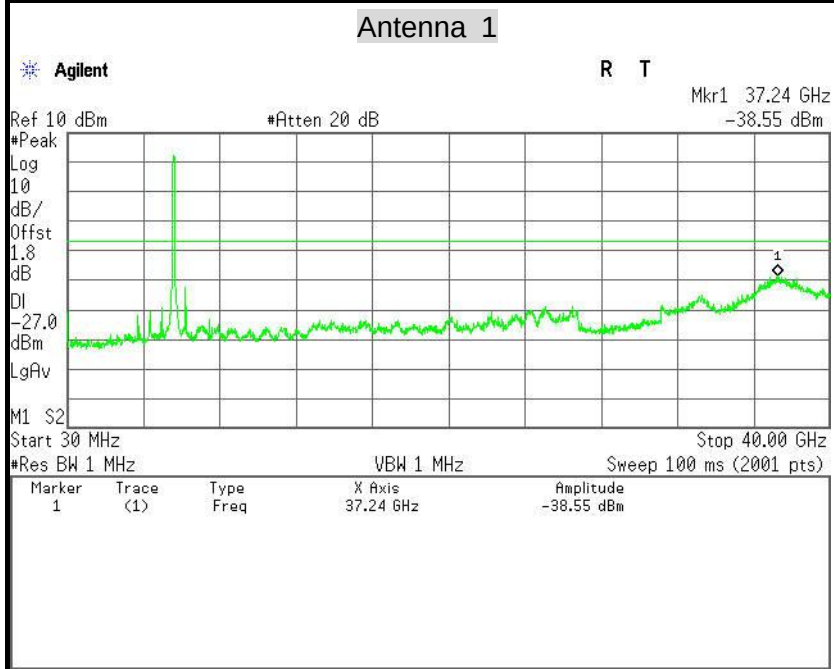


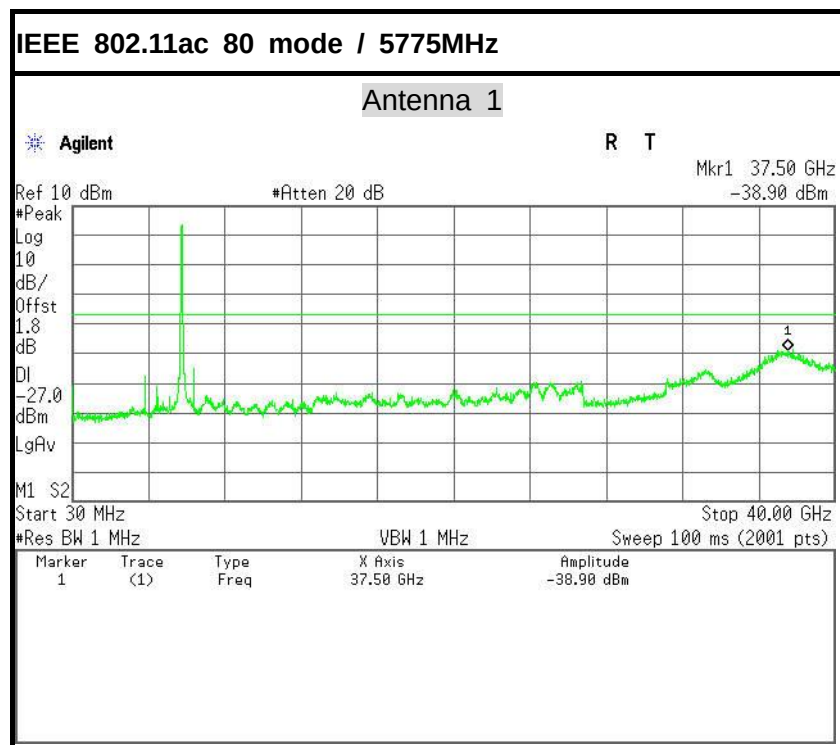
IEEE 802.11ac 80 mode / 5530 ~ 5610MHz

CH Low



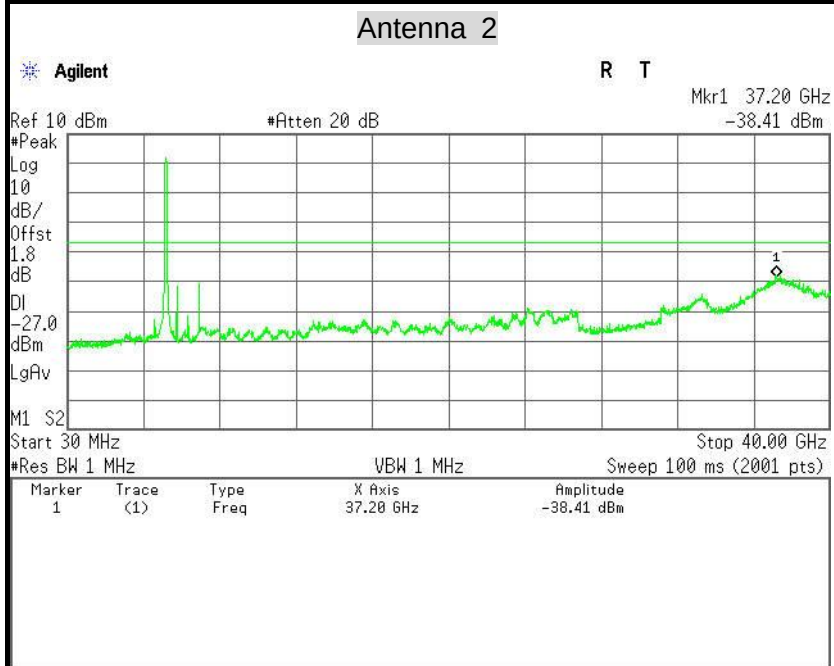
CH High



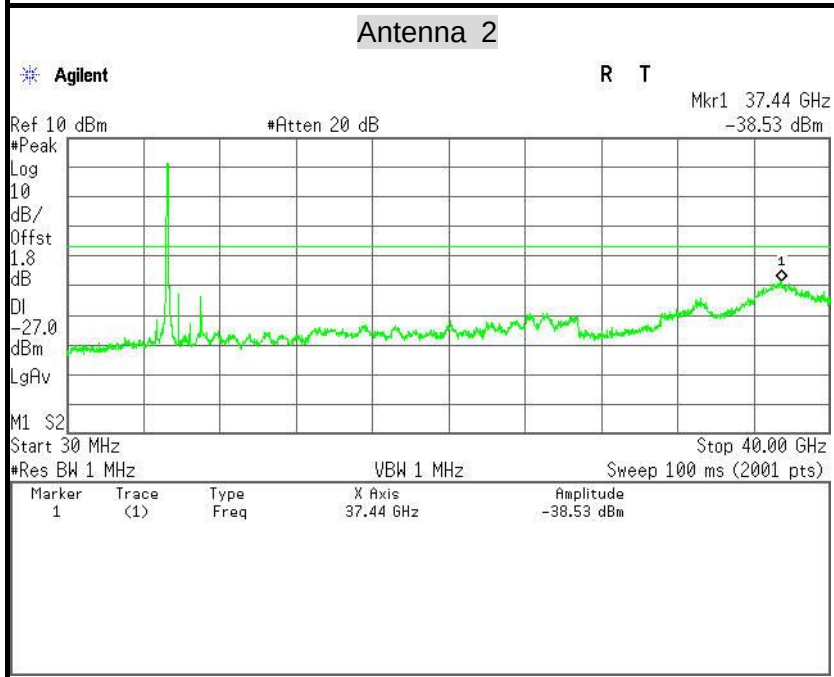




IEEE 802.11ac 80 mode / 5210MHz



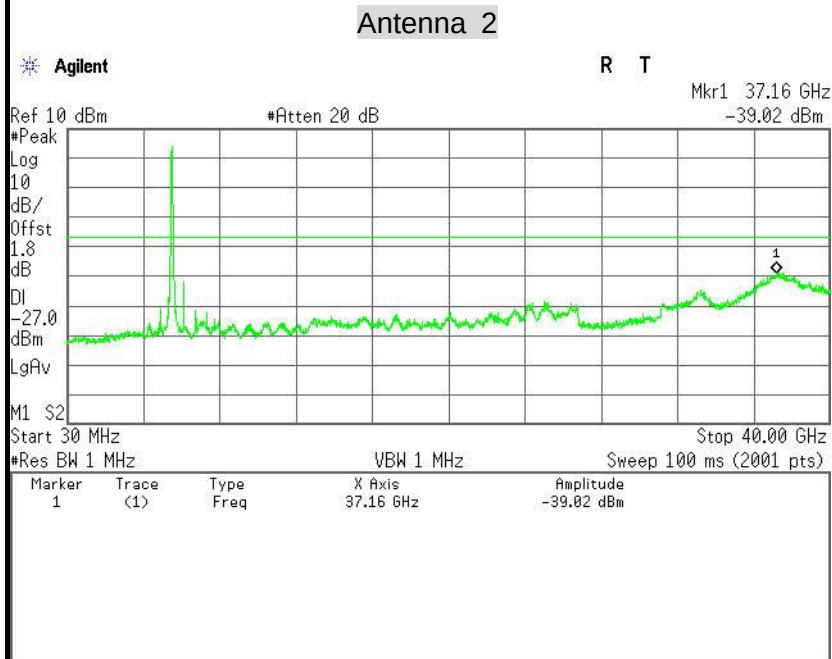
IEEE 802.11ac 80 mode / 5290MHz



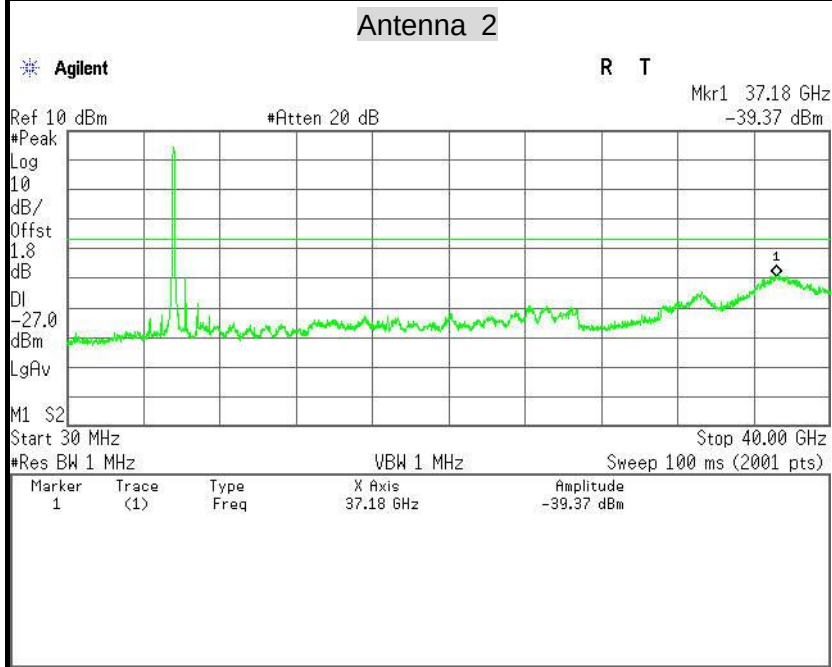


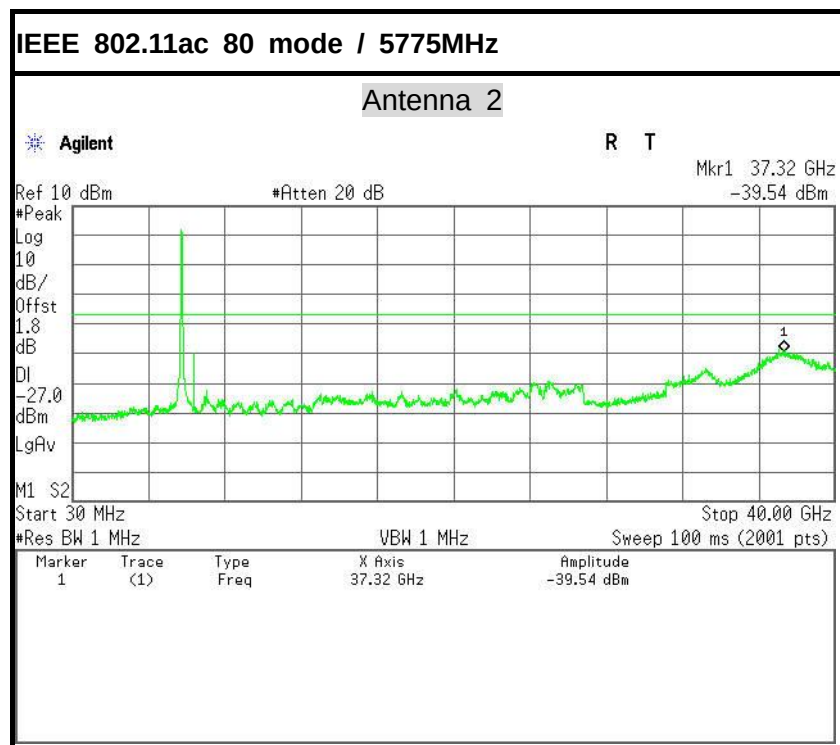
IEEE 802.11ac 80 mode / 5530 ~ 5610MHz

CH Low



CH High







## 6.8 POWERLINE CONDUCTED EMISSIONS

### 6.8.1 LIMIT

According to §15.207(a), 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  $\mu$ H/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 (dB $\mu$ V) |           |
|-----------------------|---------------------|-----------|
|                       | 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.

### 6.8.2 TEST INSTRUMENTS

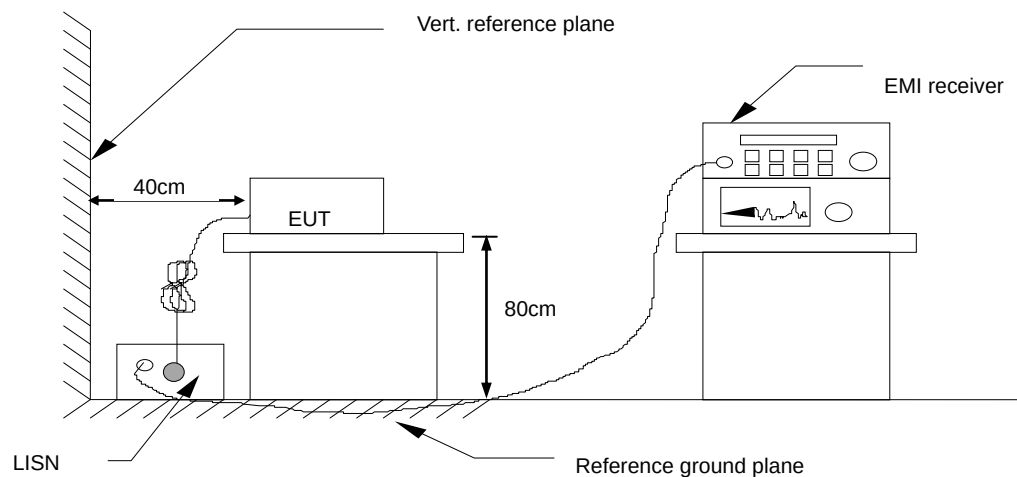
| Conducted Emission Test Site |               |                    |               |                  |                 |
|------------------------------|---------------|--------------------|---------------|------------------|-----------------|
| Name of Equipment            | Manufacturer  | Model Number       | Serial Number | Last Calibration | Due Calibration |
| EMI TEST RECEIVER            | ROHDE&SCHWARZ | ESCI               | 100783        | 02/28/2015       | 02/27/2016      |
| LISN(EUT)                    | ROHDE&SCHWARZ | ENV216             | 101543-WX     | 02/28/2015       | 02/27/2016      |
| LISN                         | EMCO          | 3825/2             | 8901-1459     | 02/28/2015       | 02/27/2016      |
| Temp. / Humidity Meter       | VICTOR        | HTC-1              | N/A           | 02/28/2015       | 02/27/2016      |
| 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.



### 6.8.3 TEST CONFIGURATION



### 6.8.4 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.

### 6.8.5 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)