



## 7.5 CONDUCTED SPURIOUS EMISSION

### LIMITS

§ 15.247(d) In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. Attenuation below the general limits specified in § 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a) (see § 15.205(c)).

### TEST EQUIPMENT

| Name of Equipment | Manufacturer | Model  | Serial Number | Calibration Due |
|-------------------|--------------|--------|---------------|-----------------|
| Spectrum Analyzer | Agilent      | E4446A | MY43360132    | 06/10/2015      |

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

### TEST SETUP



### TEST PROCEDURE

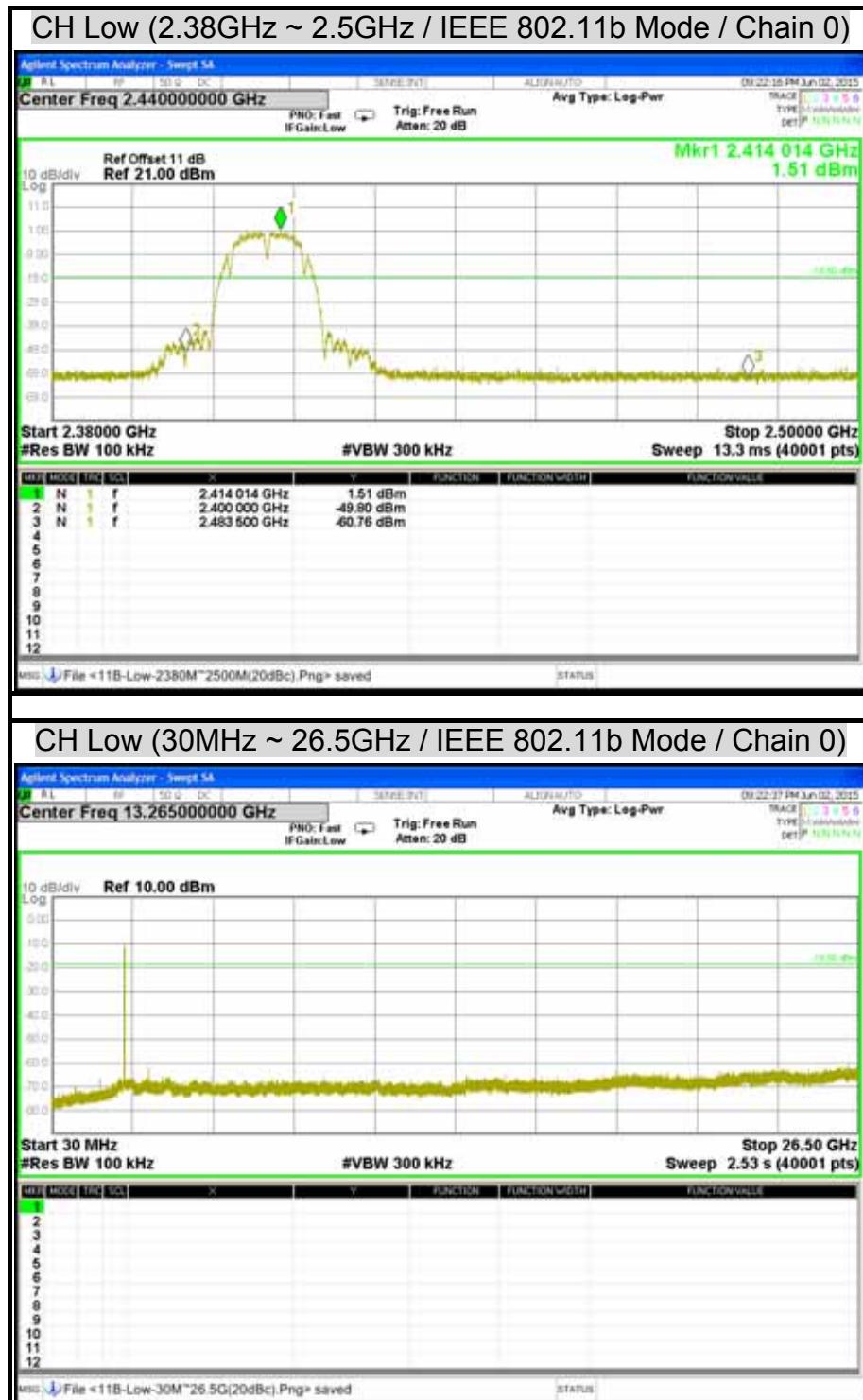
The transmitter output is connected to a spectrum analyzer. The resolution bandwidth is set to 100 kHz. The video bandwidth is set to 300 kHz.

The spectrum from 30 MHz to 26.5 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in the 2.4 GHz band.



**TEST RESULTS**

**OUT-OF-BAND SPURIOUS EMISSIONS-CONDUCTED MEASUREMENT**

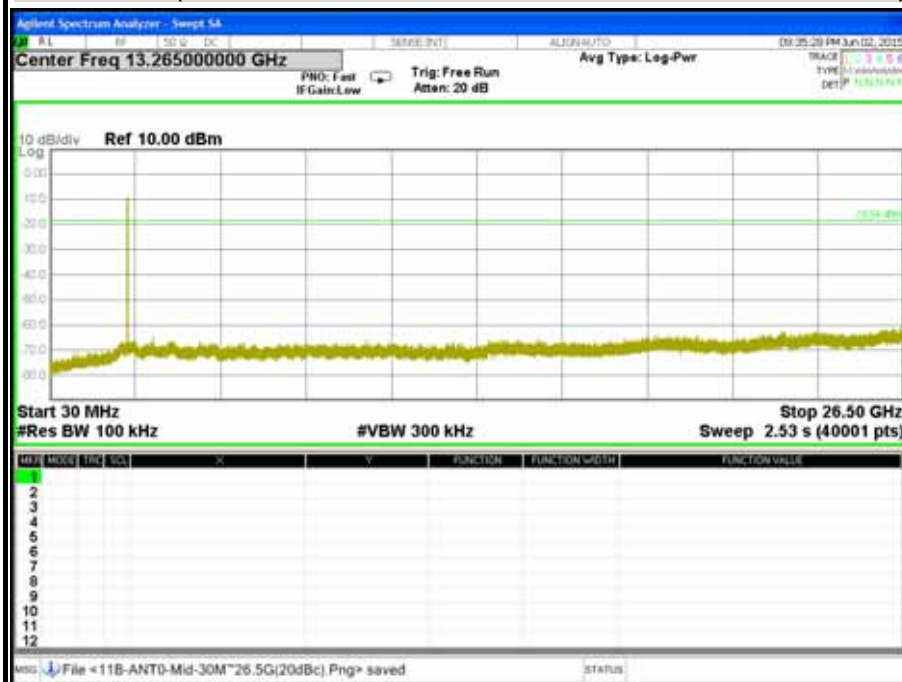




## CH Middle (2.38GHz ~ 2.5GHz / IEEE 802.11b Mode / Chain 0)

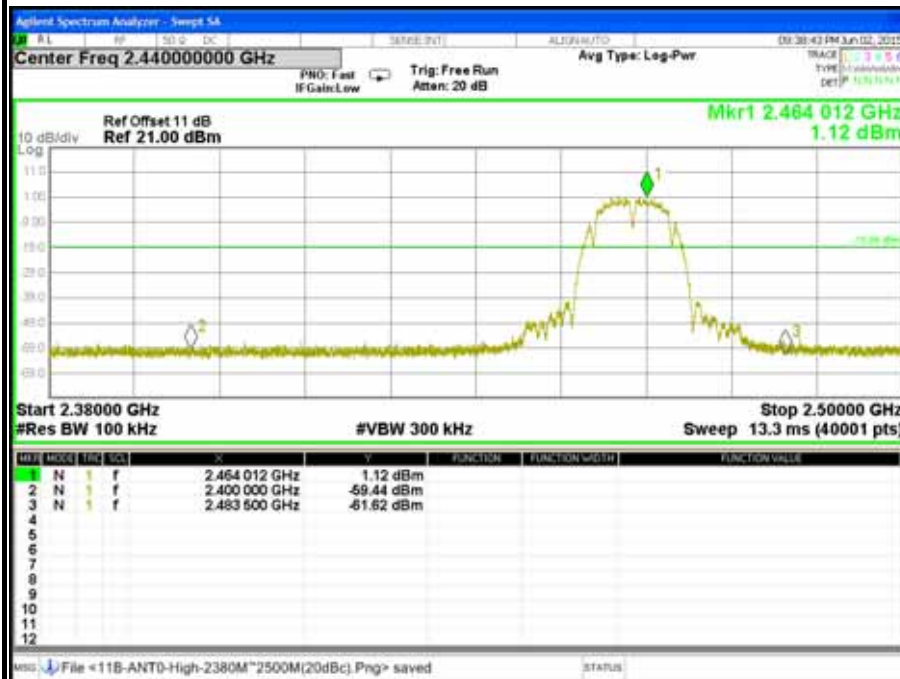


## CH Middle (30MHz ~ 26.5GHz / IEEE 802.11b Mode / Chain 0)

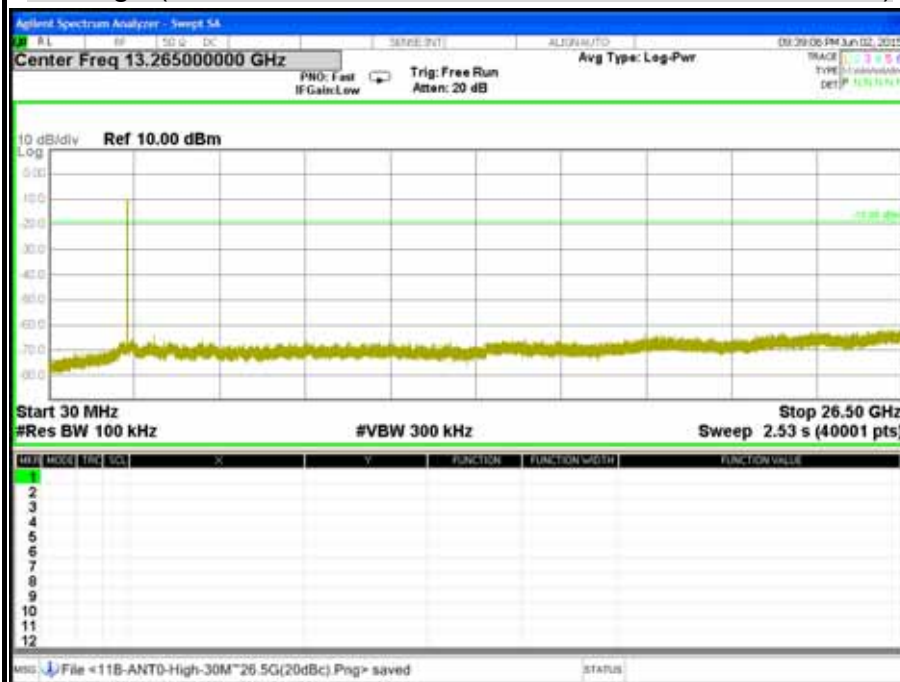




CH High (2.38GHz ~ 2.5GHz / IEEE 802.11b Mode / Chain 0)

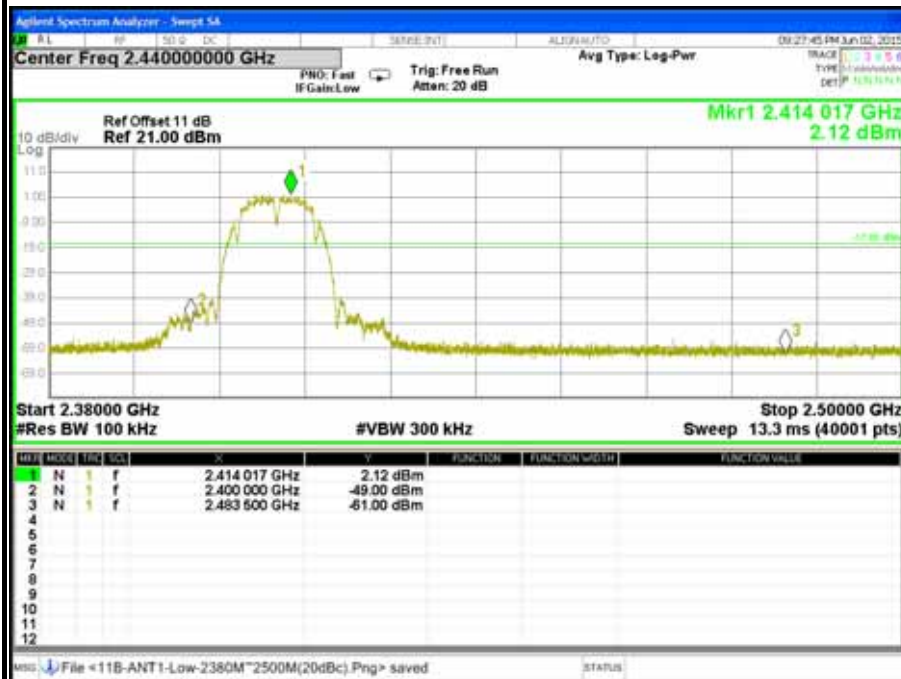


CH High (30MHz ~ 26.5GHz / IEEE 802.11b Mode / Chain 0)

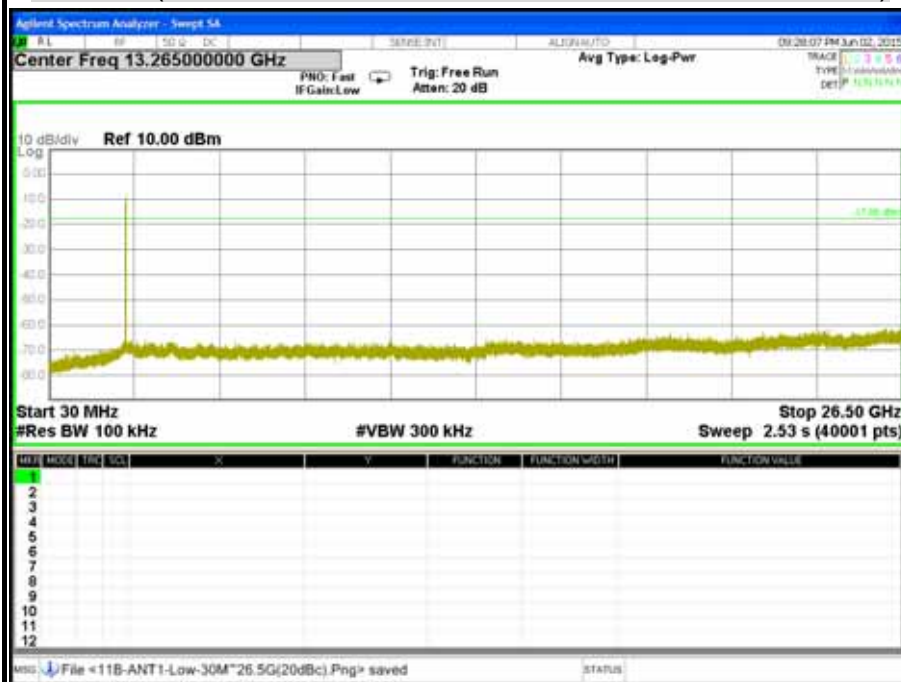




CH Low (2.38GHz ~ 2.5GHz / IEEE 802.11b Mode / Chain 1)



CH Low (30MHz ~ 26.5GHz / IEEE 802.11b Mode / Chain 1)

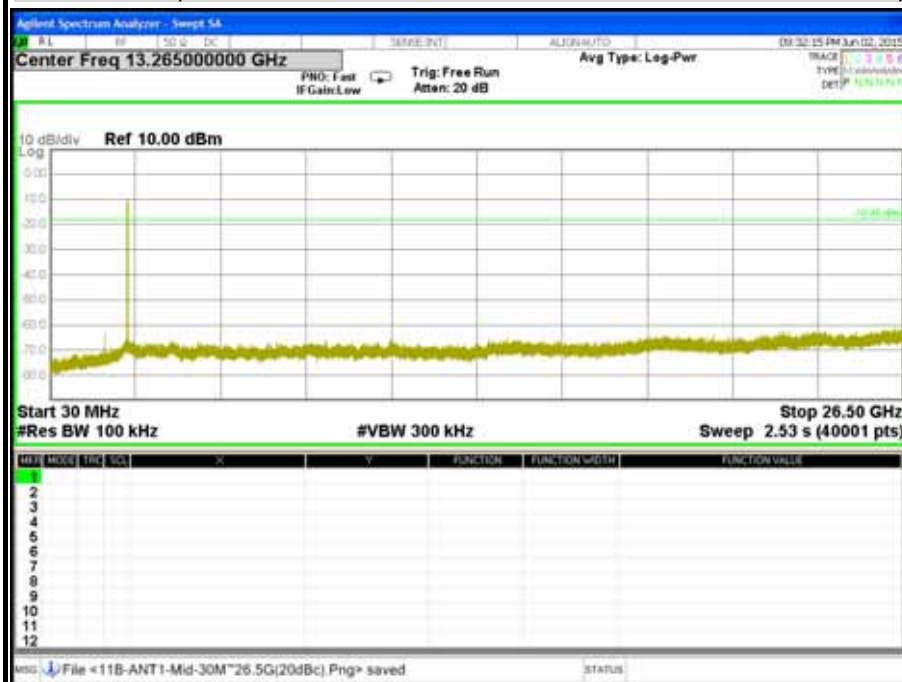




## CH Middle (2.38GHz ~ 2.5GHz / IEEE 802.11b Mode / Chain 1)



## CH Middle (30MHz ~ 26.5GHz / IEEE 802.11b Mode / Chain 1)



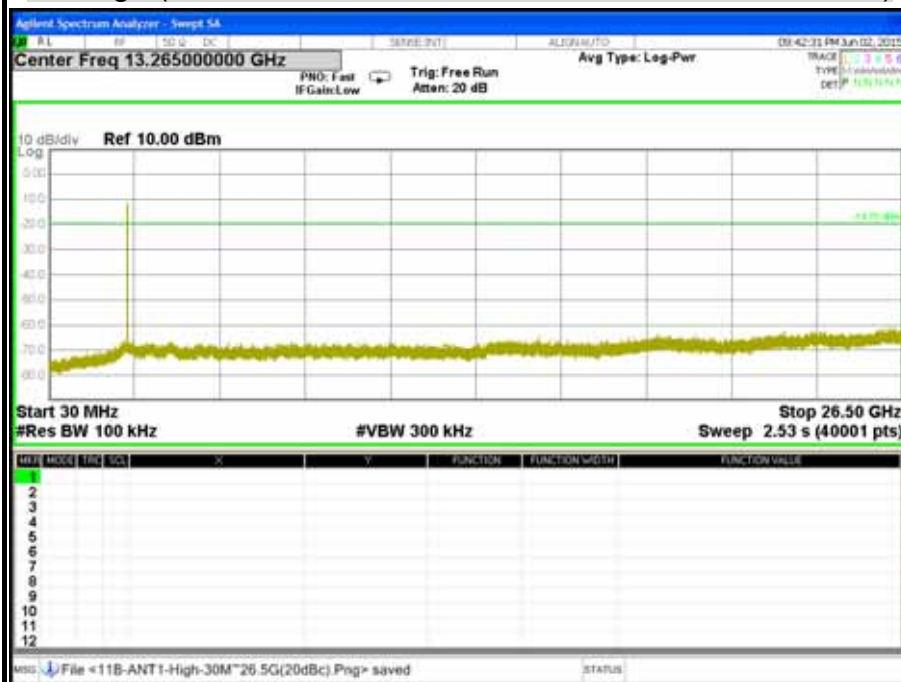




CH High (2.38GHz ~ 2.5GHz / IEEE 802.11b Mode / Chain 1)



CH High (30MHz ~ 26.5GHz / IEEE 802.11b Mode / Chain 1)

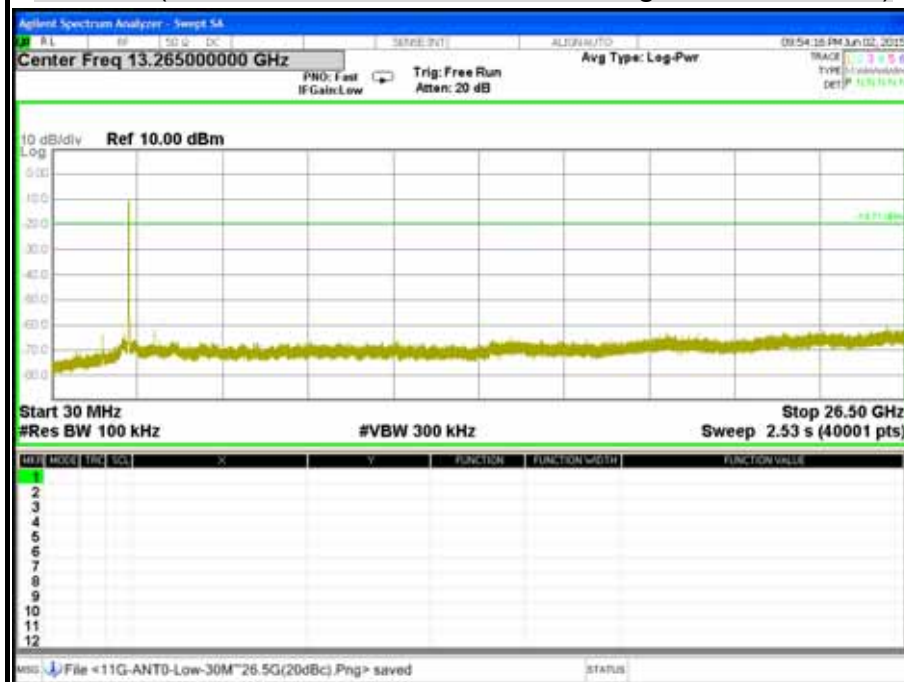




## CH Low (2.38GHz ~ 2.5GHz / IEEE 802.11g Mode / Chain 0)



## CH Low (30MHz ~ 26.5GHz / IEEE 802.11g Mode / Chain 0)



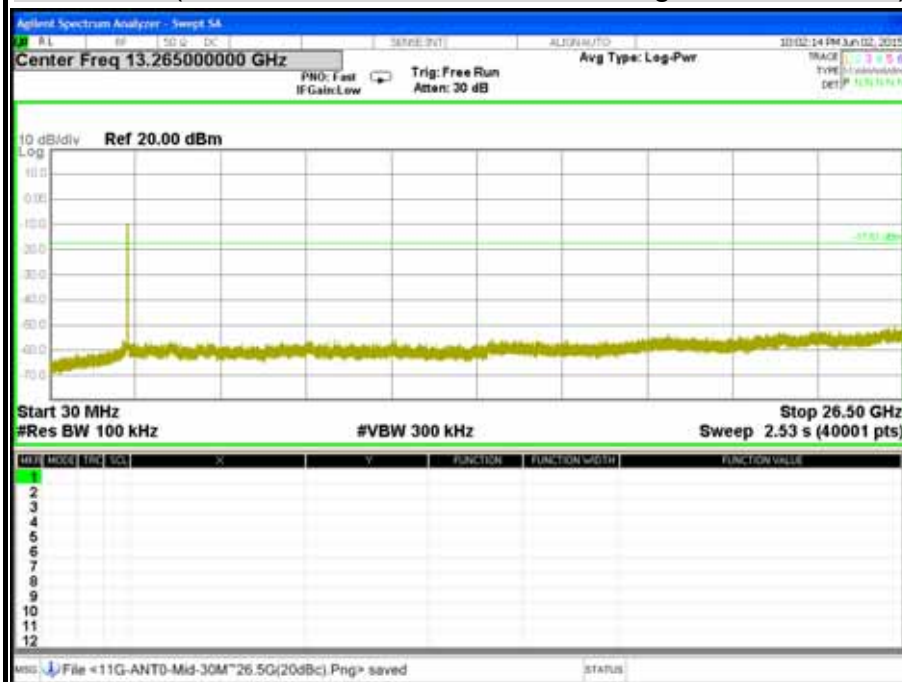




CH Middle (2.38GHz ~ 2.5GHz / IEEE 802.11g Mode / Chain 0)



CH Middle (30MHz ~ 26.5GHz / IEEE 802.11g Mode / Chain 0)

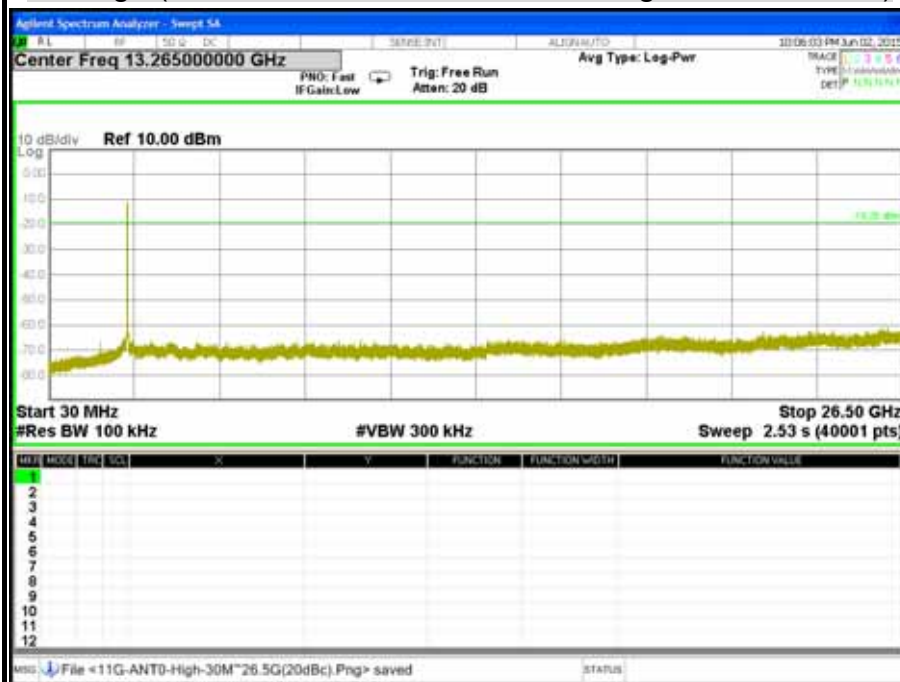




## CH High (2.38GHz ~ 2.5GHz / IEEE 802.11g Mode / Chain 0)



## CH High (30MHz ~ 26.5GHz / IEEE 802.11g Mode / Chain 0)

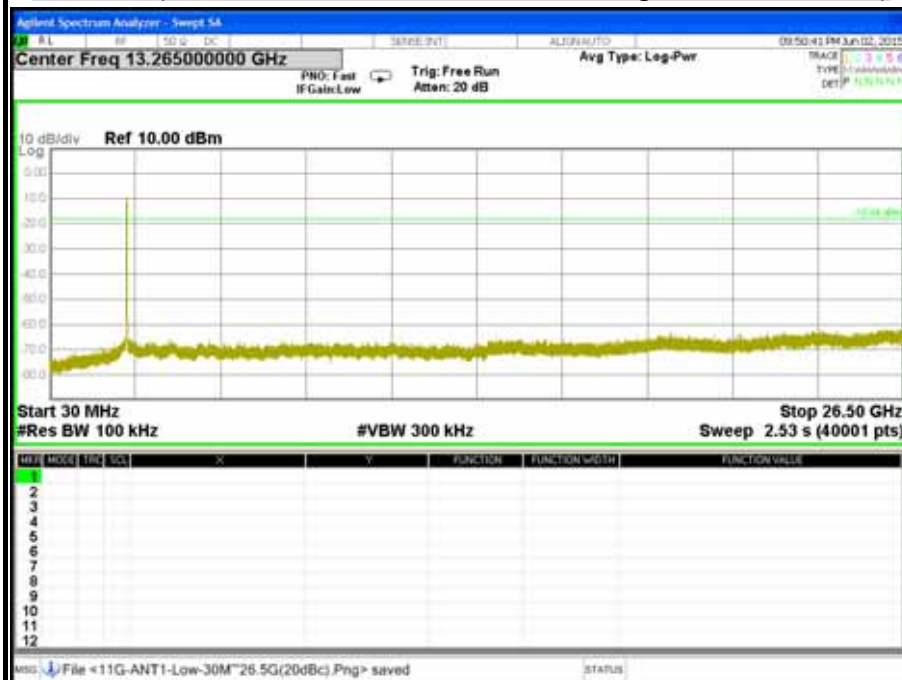




CH Low (2.38GHz ~ 2.5GHz / IEEE 802.11g Mode / Chain 1)



CH Low (30MHz ~ 26.5GHz / IEEE 802.11g Mode / Chain 1)

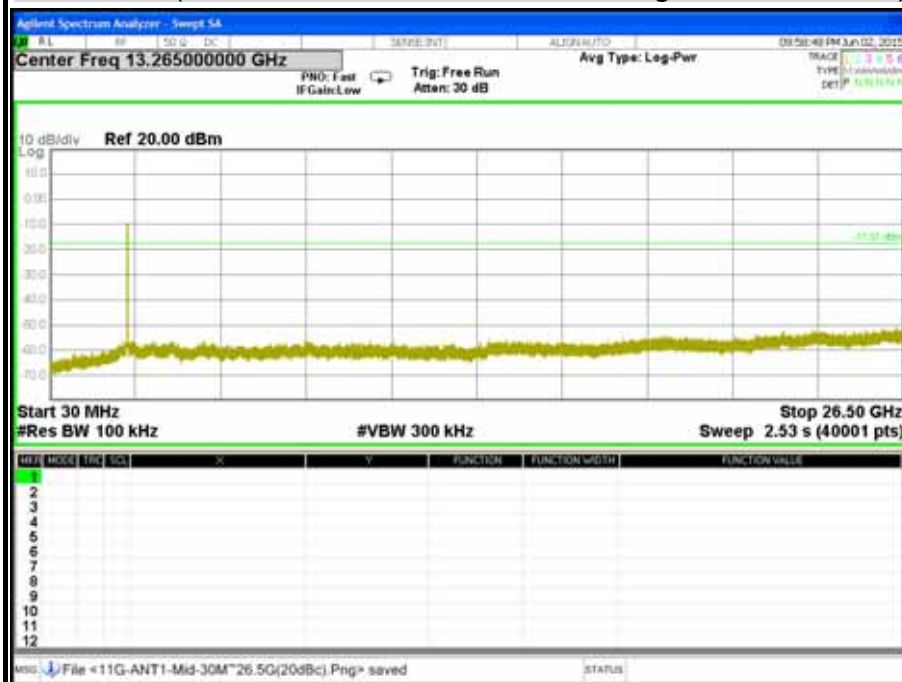




CH Middle (2.38GHz ~ 2.5GHz / IEEE 802.11g Mode / Chain 1)



CH Middle (30MHz ~ 26.5GHz / IEEE 802.11g Mode / Chain 1)

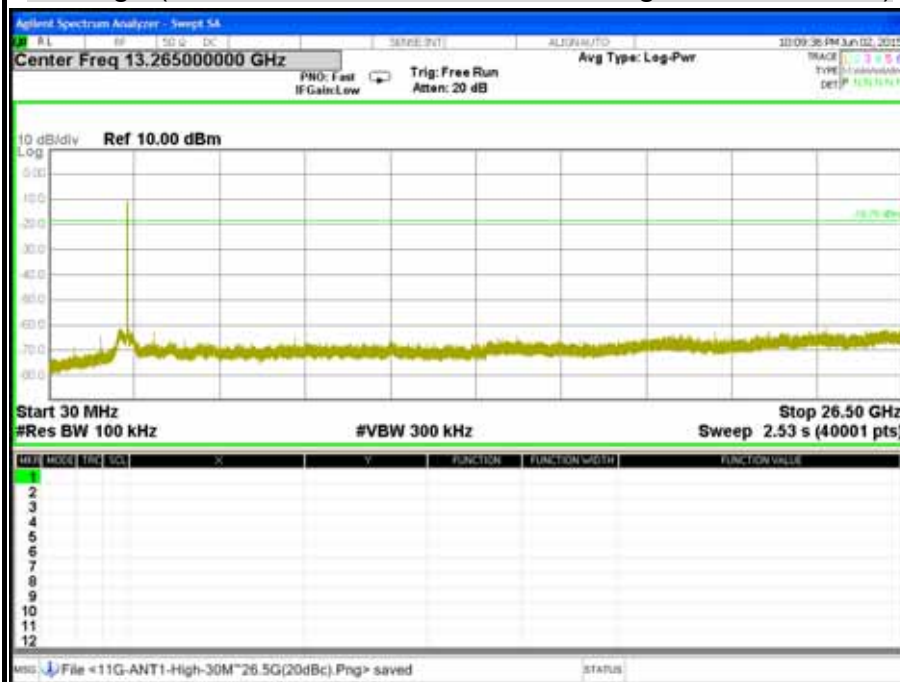




## CH High (2.38GHz ~ 2.5GHz / IEEE 802.11g Mode / Chain 1)



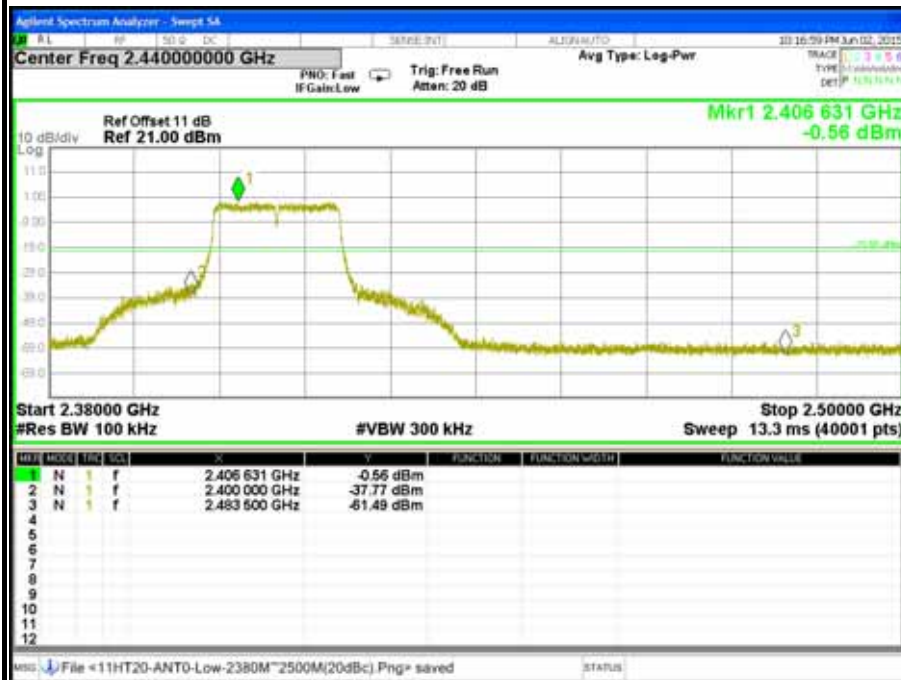
## CH High (30MHz ~ 26.5GHz / IEEE 802.11g Mode / Chain 1)



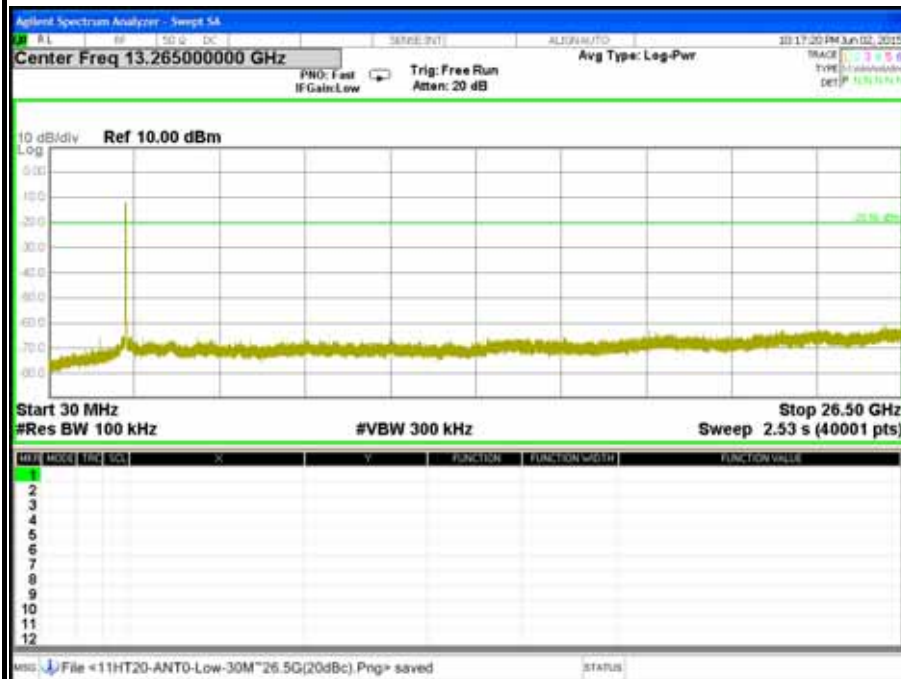




## CH Low (2.38GHz ~ 2.5GHz / IEEE 802.11gn HT20 Mode / Chain 0)



## CH Low (30MHz ~ 26.5GHz / IEEE 802.11gn HT20 Mode / Chain 0)



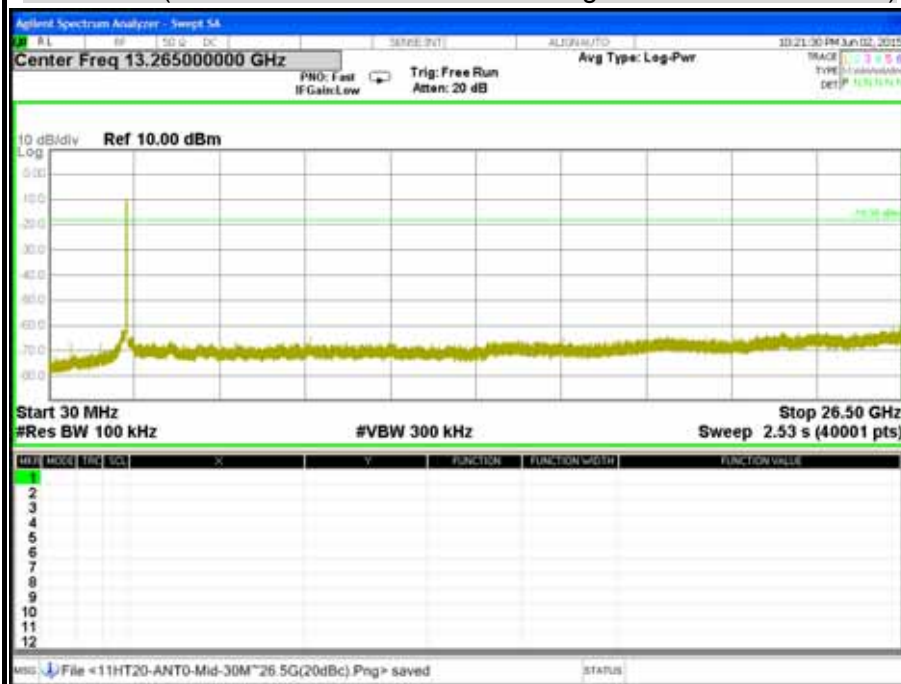




## CH Middle (2.38GHz ~ 2.5GHz / IEEE 802.11gn HT20 Mode / Chain 0)

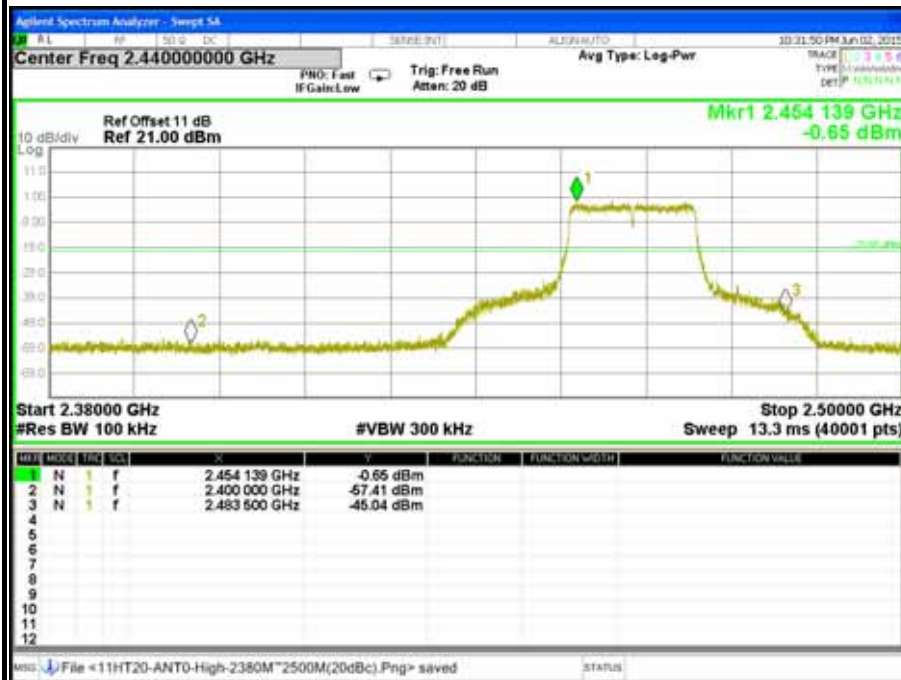


## CH Middle (30MHz ~ 26.5GHz / IEEE 802.11gn HT20 Mode / Chain 0)

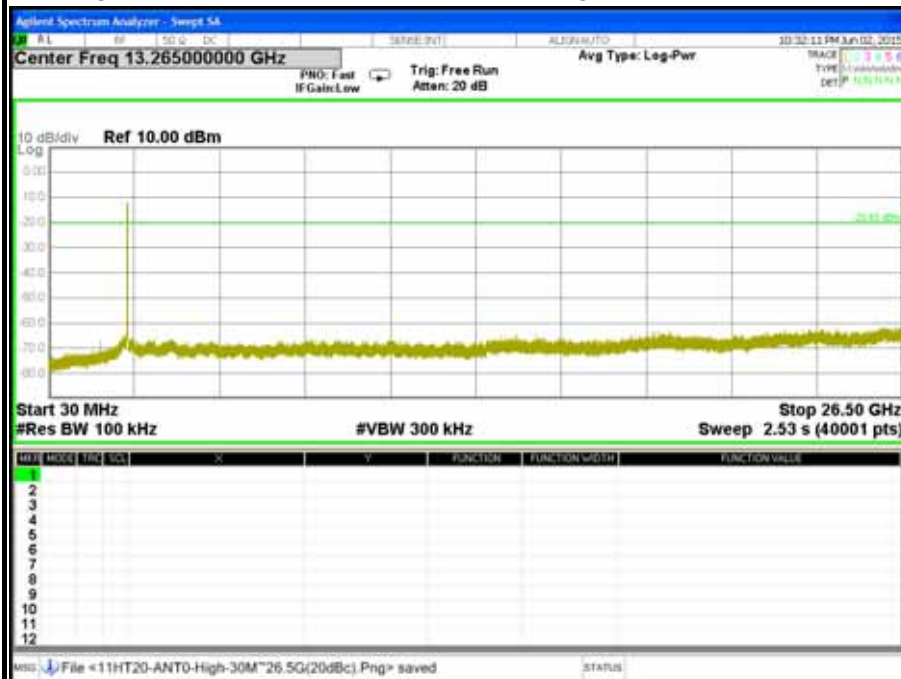




## CH High (2.38GHz ~ 2.5GHz / IEEE 802.11gn HT20 Mode / Chain 0)

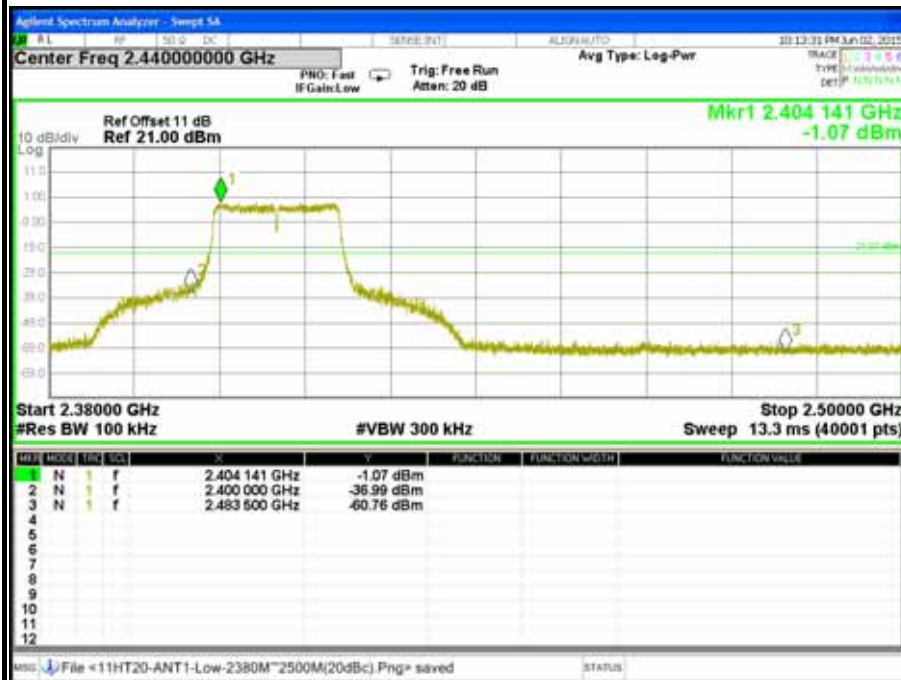


## CH High (30MHz ~ 26.5GHz / IEEE 802.11gn HT20 Mode / Chain 0)

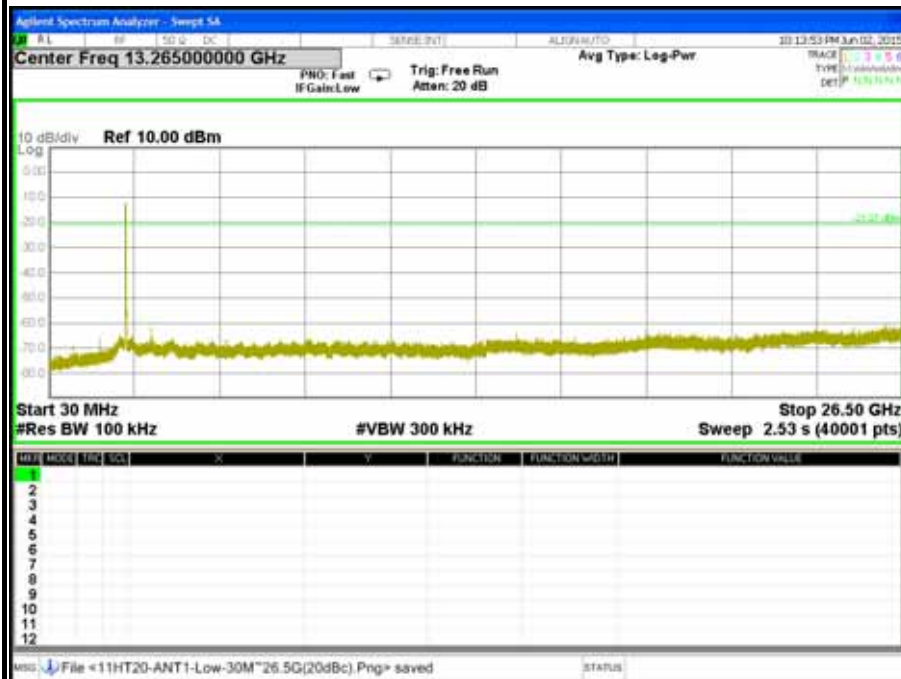




## CH Low (2.38GHz ~ 2.5GHz / IEEE 802.11gn HT20 Mode / Chain 1)



## CH Low (30MHz ~ 26.5GHz / IEEE 802.11gn HT20 Mode / Chain 1)

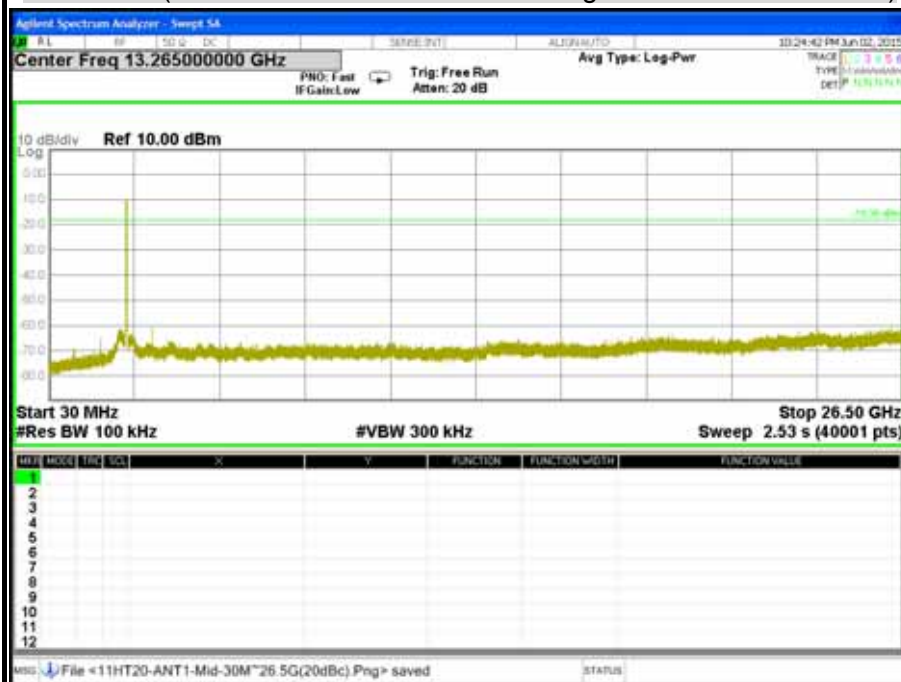




## CH Middle (2.38GHz ~ 2.5GHz / IEEE 802.11gn HT20 Mode / Chain 1)



## CH Middle (30MHz ~ 26.5GHz / IEEE 802.11gn HT20 Mode / Chain 1)

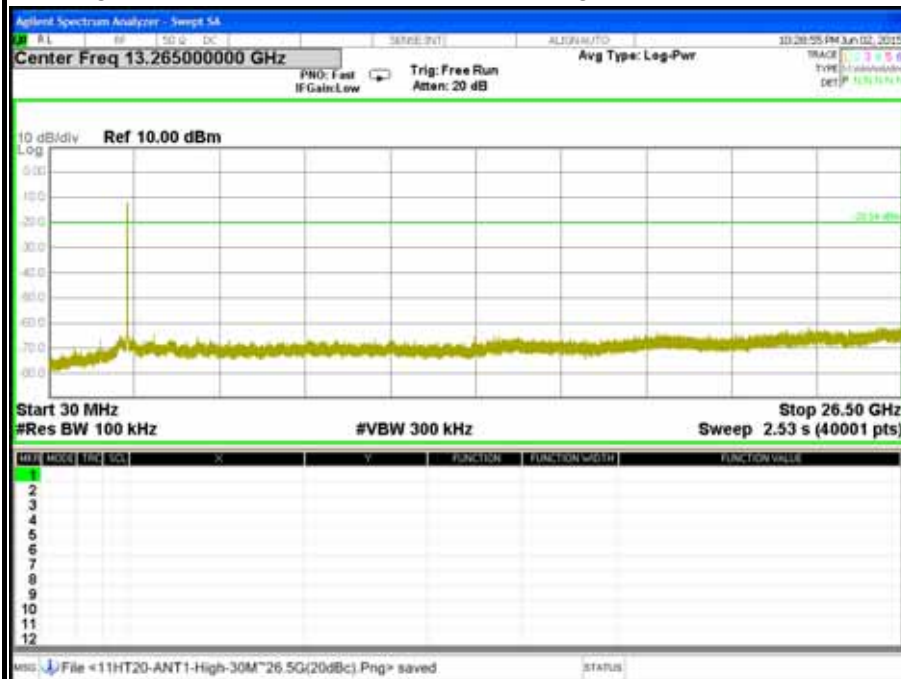




## CH High (2.38GHz ~ 2.5GHz / IEEE 802.11gn HT20 Mode / Chain 1)



## CH High (30MHz ~ 26.5GHz / IEEE 802.11gn HT20 Mode / Chain 1)



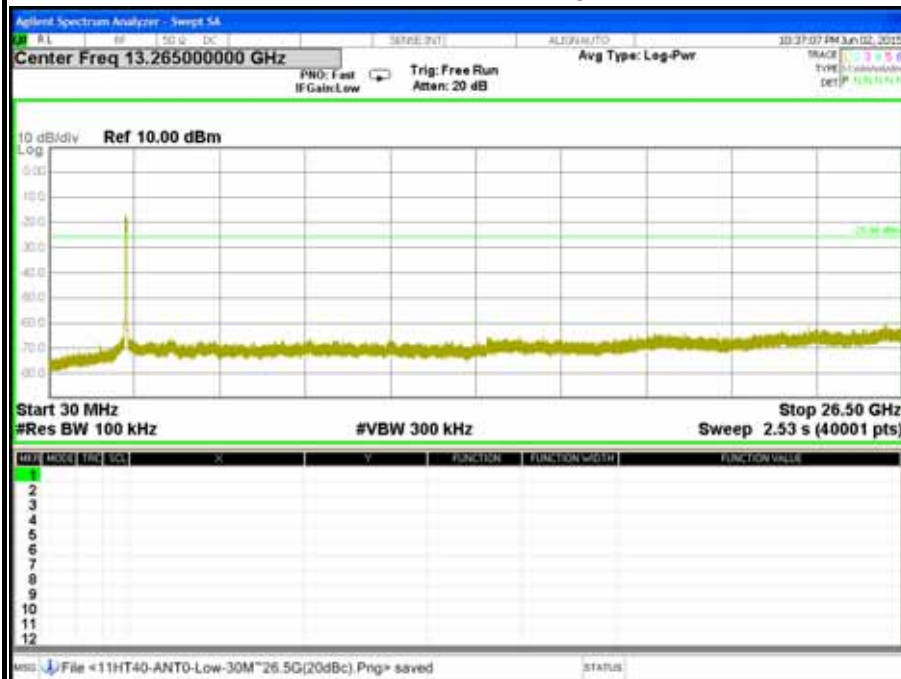




CH Low (2.38GHz ~ 2.5GHz / IEEE 802.11gn HT40 Mode / Chain 0)

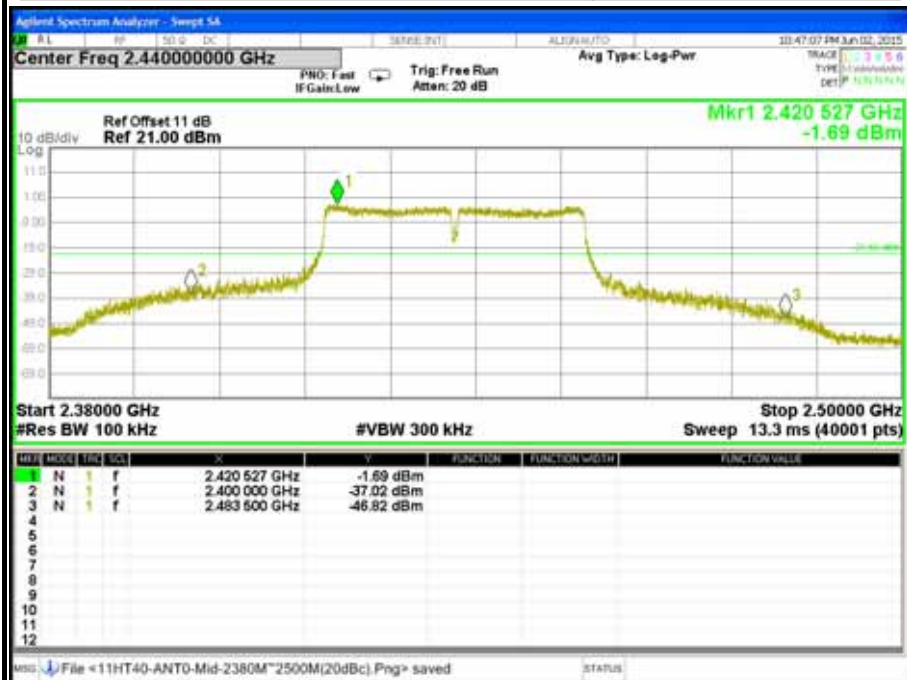


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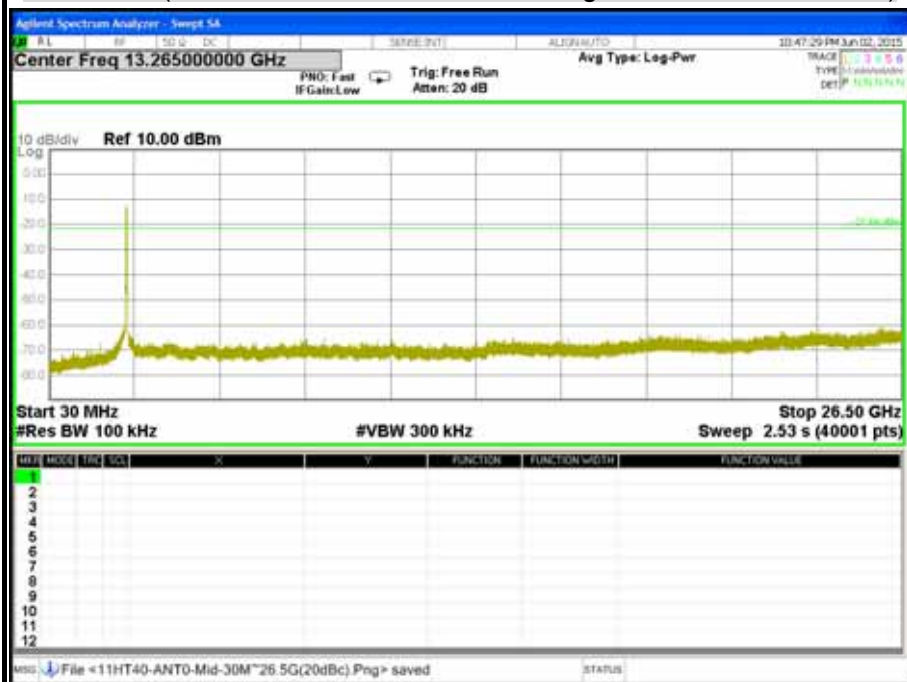




## CH Middle (2.38GHz ~ 2.5GHz / IEEE 802.11gn HT40 Mode / Chain 0)

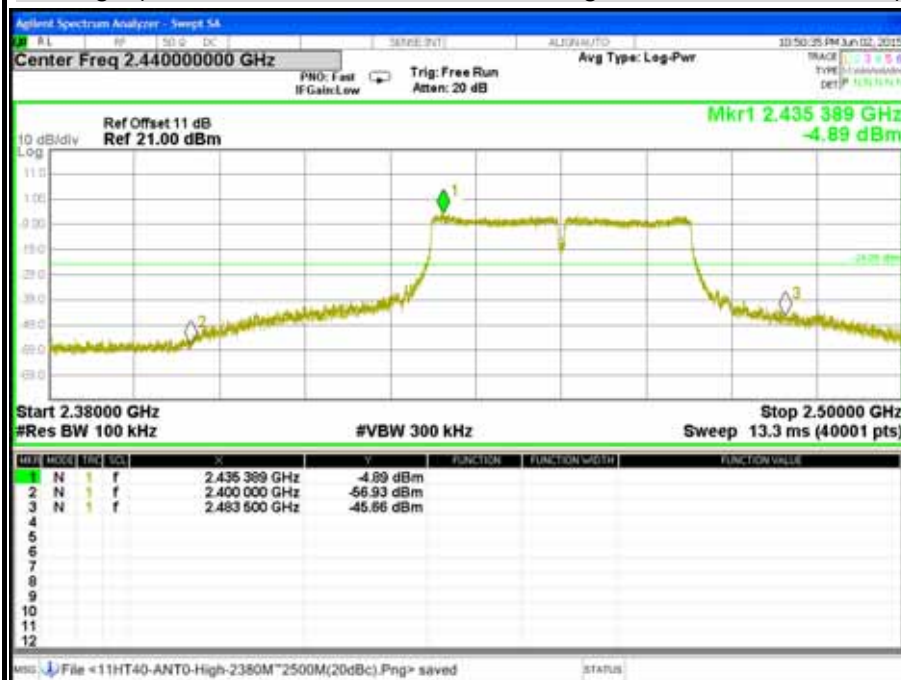


## CH Middle (30MHz ~ 26.5GHz / IEEE 802.11gn HT40 Mode / Chain 0)

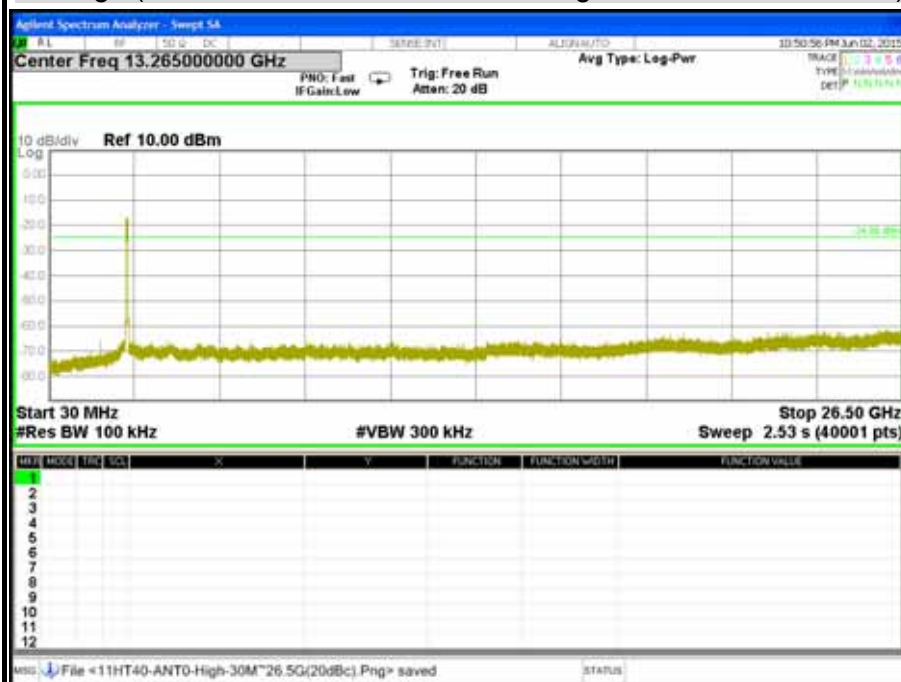




## CH High (2.38GHz ~ 2.5GHz / IEEE 802.11gn HT40 Mode/ Chain 0)



## CH High (30MHz ~ 26.5GHz / IEEE 802.11gn HT40 Mode / Chain 0)

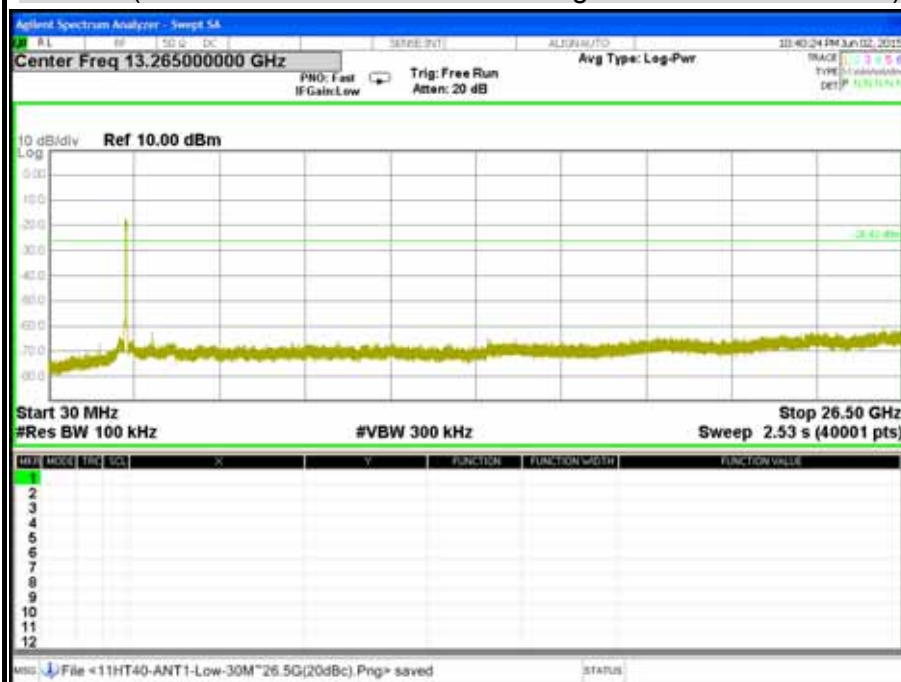




CH Low (2.38GHz ~ 2.5GHz / IEEE 802.11gn HT40 Mode / Chain 1)

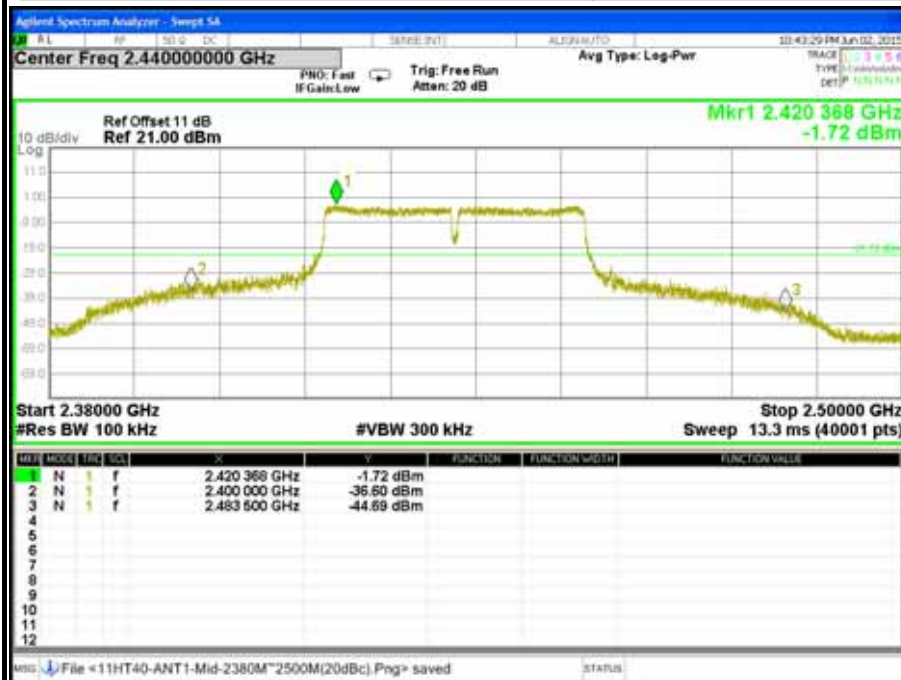


CH Low (30MHz ~ 26.5GHz / IEEE 802.11gn HT40 Mode / Chain 1)

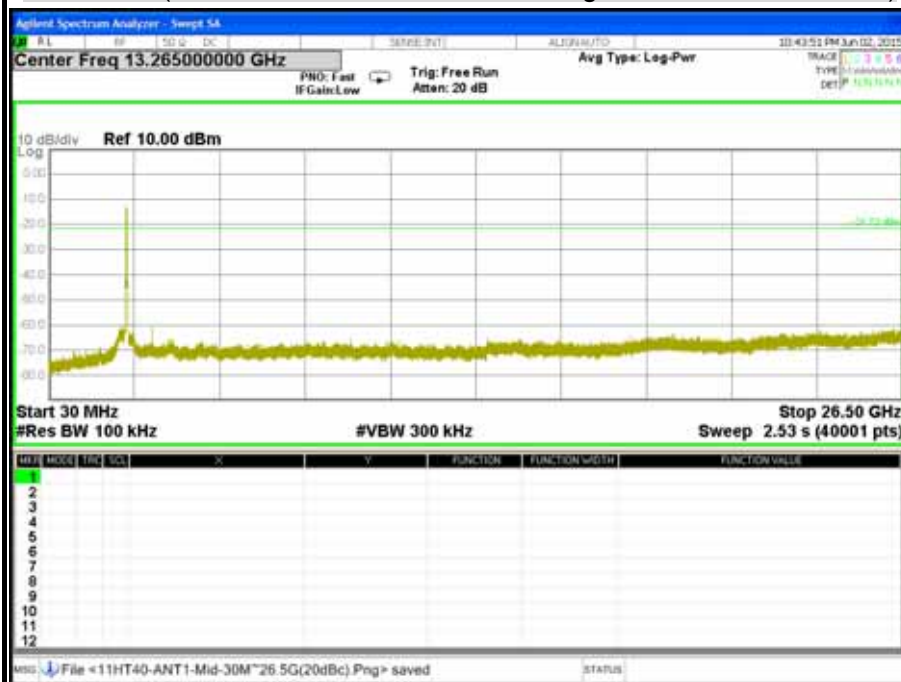




CH Middle (2.38GHz ~ 2.5GHz / IEEE 802.11gn HT40 Mode / Chain 1)



CH Middle (30MHz ~ 26.5GHz / IEEE 802.11gn HT40 Mode / Chain 1)



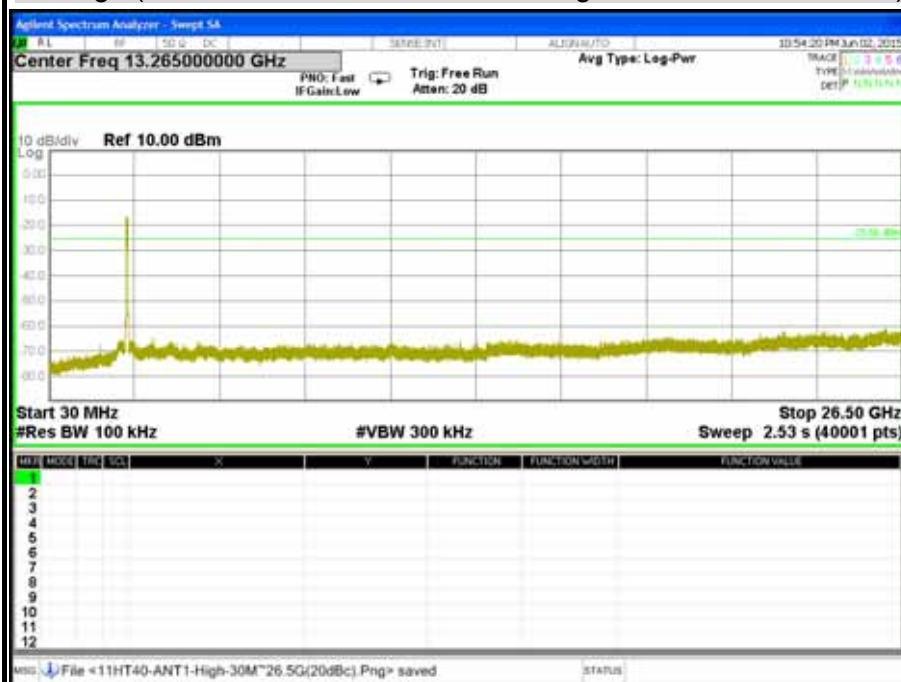




## CH High (2.38GHz ~ 2.5GHz / IEEE 802.11gn HT40 Mode/ Chain 1)



## CH High (30MHz ~ 26.5GHz / IEEE 802.11gn HT40 Mode / Chain 1)





## 7.6 RADIATED EMISSION

### LIMITS

- (1) According to § 15.205 (a) Except as shown in paragraph (d) of this section, only spurious emissions are permitted in any of the frequency bands listed below:

| MHz                        | MHz                   | MHz             | GHz              |
|----------------------------|-----------------------|-----------------|------------------|
| 0.090 - 0.110              | 16.42 - 16.423        | 399.9 - 410     | 4.5 - 5.15       |
| <sup>1</sup> 0.495 - 0.505 | 16.69475 - 16.69525   | 608 - 614       | 5.35 - 5.46      |
| 2.1735 - 2.1905            | 16.80425 - 16.80475   | 960 - 1240      | 7.25 - 7.75      |
| 4.125 - 4.128              | 25.5 - 25.67          | 1300 - 1427     | 8.025 - 8.5      |
| 4.17725 - 4.17775          | 37.5 - 38.25          | 1435 - 1626.5   | 9.0 - 9.2        |
| 4.20725 - 4.20775          | 73 - 74.6             | 1645.5 - 1646.5 | 9.3 - 9.5        |
| 6.215 - 6.218              | 74.8 - 75.2           | 1660 - 1710     | 10.6 - 12.7      |
| 6.26775 - 6.26825          | 108 - 121.94          | 1718.8 - 1722.2 | 13.25 - 13.4     |
| 6.31175 - 6.31225          | 123 - 138             | 2200 - 2300     | 14.47 - 14.5     |
| 8.291 - 8.294              | 149.9 - 150.05        | 2310 - 2390     | 15.35 - 16.2     |
| 8.362 - 8.366              | 156.52475 - 156.52525 | 2483.5 - 2500   | 17.7 - 21.4      |
| 8.37625 - 8.38675          | 156.7 - 156.9         | 2655 - 2900     | 22.01 - 23.12    |
| 8.41425 - 8.41475          | 162.0125 - 167.17     | 3260 - 3267     | 23.6 - 24.0      |
| 12.29 - 12.293             | 167.72 - 173.2        | 3332 - 3339     | 31.2 - 31.8      |
| 12.51975 - 12.52025        | 240 - 285             | 3345.8 - 3338   | 36.43 - 36.5     |
| 12.57675 - 12.57725        | 322 - 335.4           | 3600 - 4400     | ( <sup>2</sup> ) |
| 13.36 - 13.41              |                       |                 |                  |

**Remark:**

- <sup>1</sup> Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.
- <sup>2</sup> Above 38.6

- (2) According to § 15.205 (b) Except as provided in paragraphs (d) and (e), the field strength of emissions appearing within these frequency bands shall not exceed the limits shown in Section 15.209. At frequencies equal to or less than 1000 MHz, compliance with the limits in Section 15.209 shall be demonstrated using measurement instrumentation employing a CISPR quasi-peak detector. Above 1000 MHz, compliance with the emission limits in Section 15.209 shall be demonstrated based on the average value of the measured emissions. The provisions in Section 15.35 apply to these measurements.



- (3) According to § 15.209 (a) Except as provided elsewhere in this Subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table :

| Frequency<br>(MHz) | Field Strength<br>(microvolts/meter) | Measurement Distance<br>(meters) |
|--------------------|--------------------------------------|----------------------------------|
| 0.009 – 0.490      | 2400/F(KHz)                          | 300                              |
| 0.490 – 1.705      | 24000/F(KHz)                         | 30                               |
| 1.705 – 30.0       | 30                                   | 30                               |
| 30 - 88            | 100 **                               | 3                                |
| 88 - 216           | 150 **                               | 3                                |
| 216 - 960          | 200 **                               | 3                                |
| Above 960          | 500                                  | 3                                |

**Remark:** \*\*Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this Section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this Part, e.g., Sections 15.231 and 15.241.

- (4) According to § 15.209 (b) In the emission table above, the tighter limit applies at the band edges.

**TEST EQUIPMENT****Radiated Emission / 966Chamber\_B**

| Name of Equipment            | Manufacture     | Model       | Serial Number | Calibration Due |
|------------------------------|-----------------|-------------|---------------|-----------------|
| Spectrum Analyzer            | Agilent         | E4446A      | MY46180323    | 04/14/2016      |
| EMI Test Receiver            | ROHDE & SCHWARZ | ESCS 30     | 835418/008    | 10/14/2015      |
| Bi-log Antenna               | SCHWARZBECK     | VULB 9168   | 9168-250      | 08/21/2015      |
| Double-Ridged Waveguide Horn | ETS-LINDGREN    | 3117        | 00078733      | 12/02/2015      |
| Horn Antenna                 | COM-POWER       | AH-840      | 03077         | 12/17/2015      |
| Pre-Amplifier                | Agilent         | 8447D       | 2944A10052    | 07/15/2015      |
| Pre-Amplifier                | Agilent         | 8449B       | 3008A01916    | 07/15/2015      |
| LOOP Antenna                 | EMCO            | 6502        | 8905-2356     | 09/23/2015      |
| Notch Filters Band Reject    | Micro-Tronics   | BRM05702-01 | 026           | N.C.R.          |
| Band Reject Filter           | Micro-Tronics   | BRC50703-01 | 004           | N.C.R.          |
| Band Reject Filter           | Micro-Tronics   | BRC50705-01 | 007           | N.C.R.          |

**Remark:** 1. Each piece of equipment is scheduled for calibration once a year.

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

**Radiated Emission / 966Chamber\_C**

| Name of Equipment            | Manufacture     | Model       | Serial Number | Calibration Due |
|------------------------------|-----------------|-------------|---------------|-----------------|
| Spectrum Analyzer            | Agilent         | E4446A      | MY45280064    | 03/26/2016      |
| EMI Test Receiver            | ROHDE & SCHWARZ | ESCI        | 101387        | 10/05/2015      |
| Bi-log Antenna               | TESEQ           | CBL 6112D   | 35404         | 02/24/2016      |
| Double-Ridged Waveguide Horn | ETS-LINDGREN    | 3117        | 00078732      | 07/23/2015      |
| Horn Antenna                 | COM-POWER       | AH-840      | 03077         | 12/17/2015      |
| Pre-Amplifier                | EMCI            | EMC001625   | 980243        | 04/12/2016      |
| Pre-Amplifier                | COM-POWER       | PAM-118A    | 551043        | 04/12/2016      |
| Notch Filters Band Reject    | Micro-Tronics   | BRM50702-01 | 009           | N.C.R.          |
| Band Reject Filter           | Micro-Tronics   | BRC50703-01 | 004           | N.C.R.          |
| Band Reject Filter           | Micro-Tronics   | BRC50705-01 | 007           | N.C.R.          |

**Remark:** 1. Each piece of equipment is scheduled for calibration once a year.

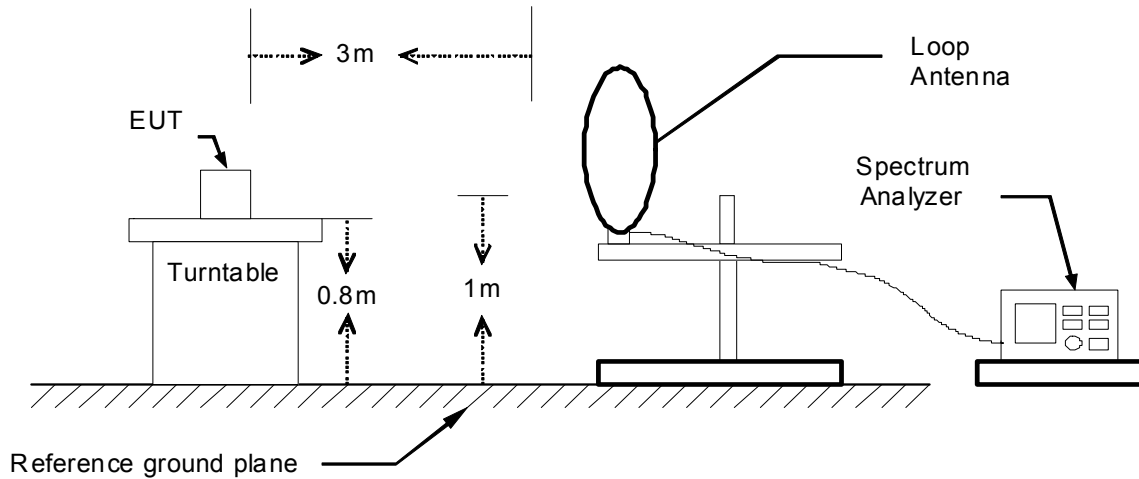
2. N.C.R = No Calibration Request.



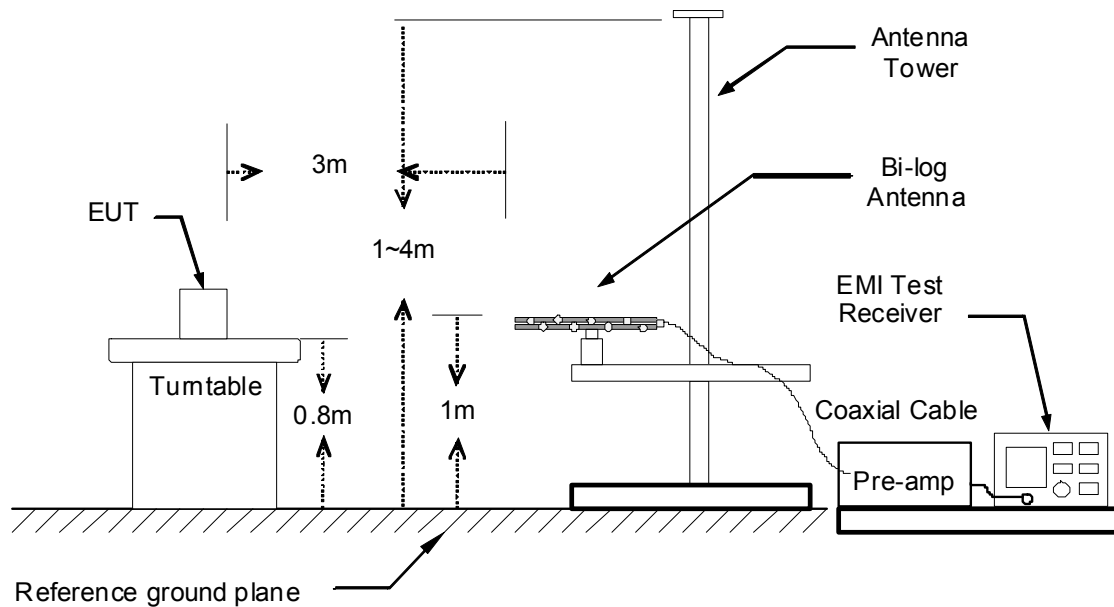
## TEST SETUP

The diagram below shows the test setup that is utilized to make the measurements for emission below 1GHz.

### 9kHz ~ 30MHz



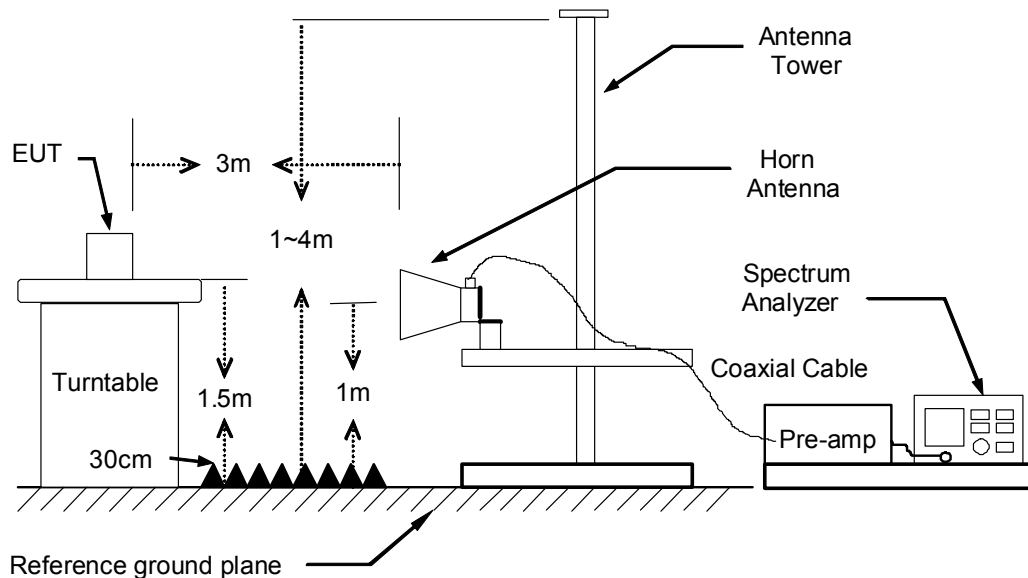
### 30MHz ~ 1GHz







The diagram below shows the test setup that is utilized to make the measurements for emission above 1GHz.



### **TEST PROCEDURE**

1. The EUT was placed on the top of a rotating table 0.8 and 1.5 meters above the ground. The table was rotated 360 degrees to determine the position of the highest radiation.
2. While measuring the radiated emission below 1GHz, the EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. While measuring the radiated emission above 1GHz, the EUT was set 3 meters away from the interference-receiving antenna.
3. The antenna is a broadband antenna, and its height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarization of the antenna are set to make the measurement.
4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the table was turned from 0 degrees to 360 degrees to find the maximum reading.
5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
6. If the emission level of the EUT in peak mode was 10 dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10 dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

### **Remark :**

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 KHz for Peak detection (PK) and Quasi-peak detection (QP) at frequency below 1GHz.
2. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1 MHz for Peak detection and frequency above 1GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 10 Hz for Average detection (AV) at frequency above 1GHz.

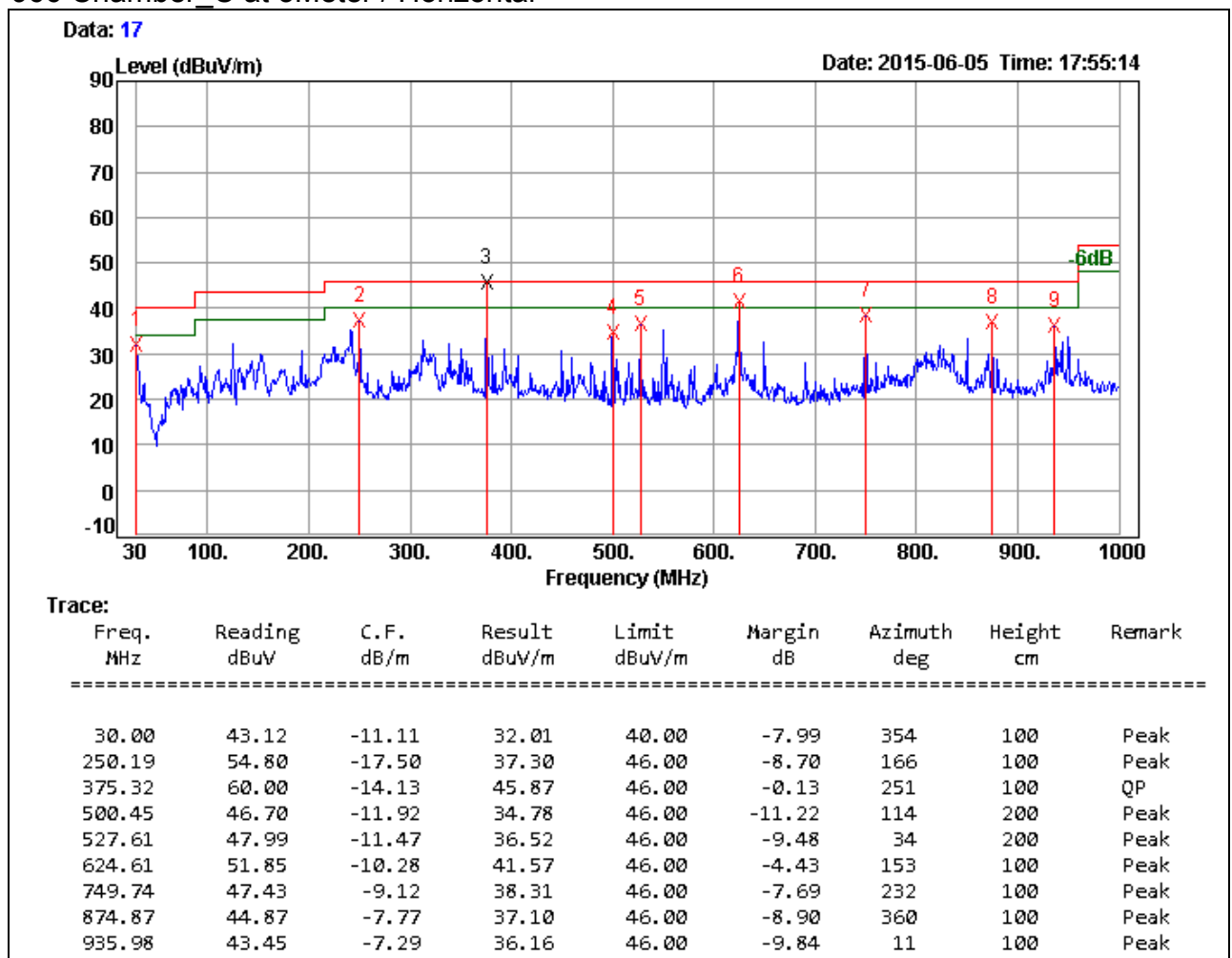
**TEST RESULTS****Below 1 GHz (9kHz ~ 30MHz)**

No emission found between lowest internal used/generated frequency to 30MHz.

**Below 1 GHz (30MHz ~ 1GHz)**

|              |                       |                  |            |
|--------------|-----------------------|------------------|------------|
| Product Name | MoCA to WiFi extender | Test By          | Crystal Wu |
| Test Model   | HT-EMN2               | Test Date        | 2015/06/05 |
| Test Mode    | Normal Operating      | Temp. & Humidity | 25°C, 57%  |

966 Chamber\_C at 3Meter / Horizontal

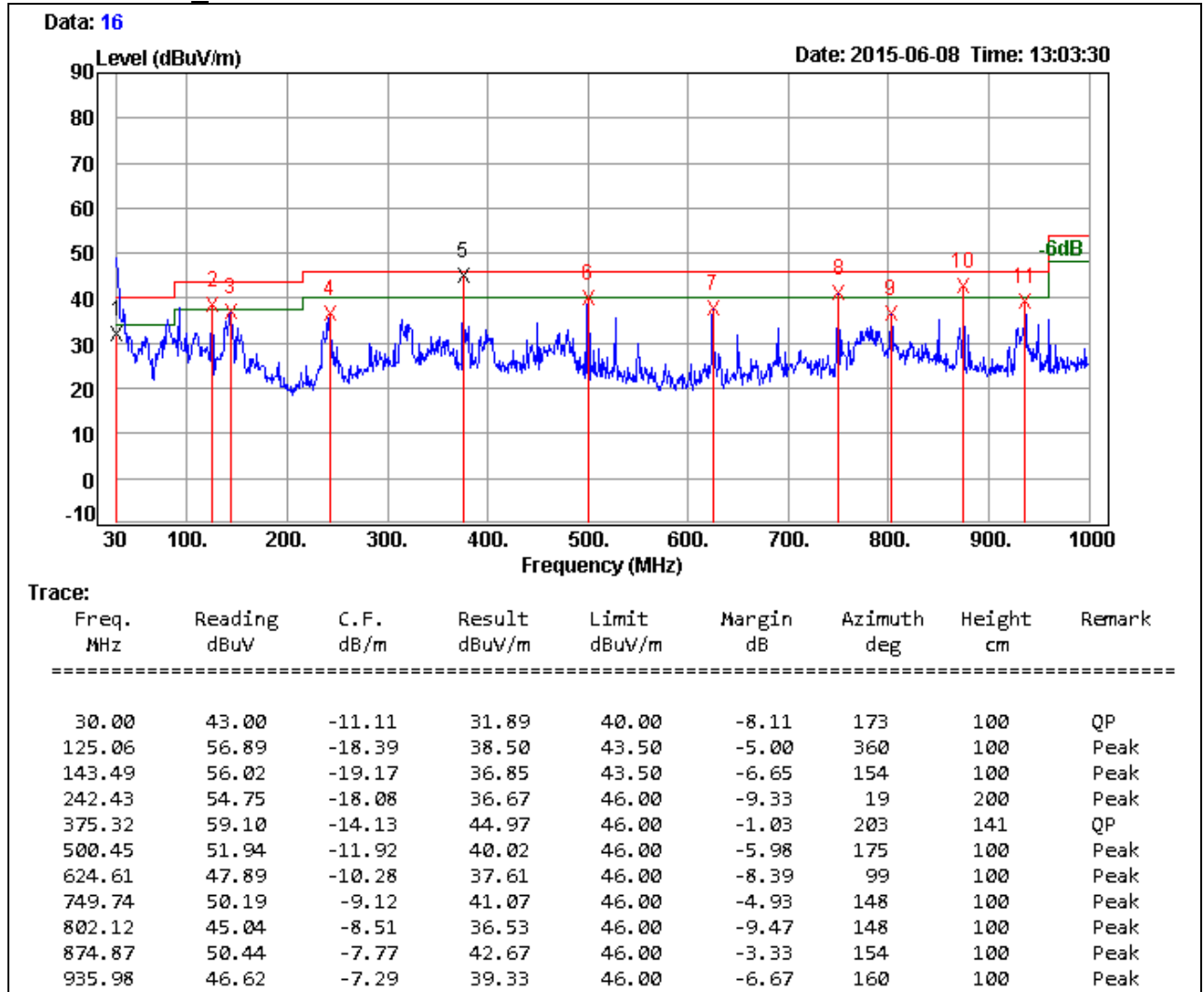
**Remark:**

1. Quasi-peak test would be performed if the peak result were greater than the quasi-peak limit.
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) – PreAmp.Gain (dB)
3. Result (dBuV/m) = Reading (dBuV) + Correction Factor (dB/m)
4. Margin (dB) = Remark result (dBuV/m) - Quasi-peak limit (dBuV/m).



|              |                       |                  |            |
|--------------|-----------------------|------------------|------------|
| Product Name | MoCA to WiFi extender | Test By          | Crystal Wu |
| Test Model   | HT-EMN2               | Test Date        | 2015/06/02 |
| Test Mode    | Normal Operating      | Temp. & Humidity | 25°C, 57%  |

## 966 Chamber\_C at 3Meter / Vertical



### Remark:

1. Quasi-peak test would be performed if the peak result were greater than the quasi-peak limit.
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) – PreAmp.Gain (dB)
3. Result (dBuV/m) = Reading (dBuV) + Correction Factor (dB/m)
4. Margin (dB) = Remark result (dBuV/m) - Quasi-peak limit (dBuV/m).



## Above 1 GHz

|                     |                          |                             |            |
|---------------------|--------------------------|-----------------------------|------------|
| <b>Product Name</b> | MoCA to WiFi extender    | <b>Test By</b>              | Rex Chiu   |
| <b>Test Model</b>   | HT-EMN2                  | <b>Test Date</b>            | 2015/06/04 |
| <b>Test Mode</b>    | IEEE 802.11b TX / CH Low | <b>Temp. &amp; Humidity</b> | 24°C, 55%  |

| 966 Chamber_B at 3Meter / Horizontal |                   |                   |                          |                    |                    |                   |                   |             |        |
|--------------------------------------|-------------------|-------------------|--------------------------|--------------------|--------------------|-------------------|-------------------|-------------|--------|
| Frequency (MHz)                      | Reading-PK (dBuV) | Reading-AV (dBuV) | Correction Factor (dB/m) | Result-PK (dBuV/m) | Result-AV (dBuV/m) | Limit-PK (dBuV/m) | Limit-AV (dBuV/m) | Margin (dB) | Remark |
| 1976.00                              | 49.03             | ---               | 1.56                     | 50.59              | ---                | 74.00             | 54.00             | -3.41       | Peak   |
| 2150.00                              | 48.61             | ---               | 2.15                     | 50.76              | ---                | 74.00             | 54.00             | -3.24       | Peak   |
| 2526.00                              | 48.20             | ---               | 3.06                     | 51.26              | ---                | 74.00             | 54.00             | -2.74       | Peak   |
| 3210.00                              | 43.24             | ---               | 4.45                     | 47.69              | ---                | 74.00             | 54.00             | -6.31       | Peak   |
| 4830.00                              | 45.33             | 43.29             | 8.00                     | 53.34              | 51.29              | 74.00             | 54.00             | -2.71       | AVG    |
| 4995.00                              | 44.17             | ---               | 8.14                     | 52.31              | ---                | 74.00             | 54.00             | -1.69       | Peak   |
| 966 Chamber_B at 3Meter / Vertical   |                   |                   |                          |                    |                    |                   |                   |             |        |
| Frequency (MHz)                      | Reading-PK (dBuV) | Reading-AV (dBuV) | Correction Factor (dB/m) | Result-PK (dBuV/m) | Result-AV (dBuV/m) | Limit-PK (dBuV/m) | Limit-AV (dBuV/m) | Margin (dB) | Remark |
| 1962.00                              | 49.34             | ---               | 1.43                     | 50.77              | ---                | 74.00             | 54.00             | -3.23       | Peak   |
| 2294.00                              | 50.63             | 40.28             | 2.50                     | 53.13              | 42.78              | 74.00             | 54.00             | -11.22      | AVG    |
| 2542.00                              | 49.84             | 39.54             | 3.10                     | 52.94              | 42.64              | 74.00             | 54.00             | -11.36      | AVG    |
| 3150.00                              | 42.96             | ---               | 4.33                     | 47.29              | ---                | 74.00             | 54.00             | -6.71       | Peak   |
| 4815.00                              | 40.69             | ---               | 7.99                     | 48.68              | ---                | 74.00             | 54.00             | -5.32       | Peak   |
| 6930.00                              | 39.39             | ---               | 12.22                    | 51.61              | ---                | 74.00             | 54.00             | -2.39       | Peak   |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. 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.
4. 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.
5. Result = Reading + Correction Factor  
 Margin = Result – Limit  
 Remark Peak = Result(PK) – Limit(AV)  
 Remark AVG = Result(AV) – Limit(AV)



|                     |                             |                             |            |
|---------------------|-----------------------------|-----------------------------|------------|
| <b>Product Name</b> | MoCA to WiFi extender       | <b>Test By</b>              | Rex Chiu   |
| <b>Test Model</b>   | HT-EMN2                     | <b>Test Date</b>            | 2015/06/04 |
| <b>Test Mode</b>    | IEEE 802.11b TX / CH Middle | <b>Temp. &amp; Humidity</b> | 24°C, 55%  |

| 966 Chamber_B at 3Meter / Horizontal |                   |                   |                          |                    |                    |                   |                   |             |        |
|--------------------------------------|-------------------|-------------------|--------------------------|--------------------|--------------------|-------------------|-------------------|-------------|--------|
| Frequency (MHz)                      | Reading-PK (dBuV) | Reading-AV (dBuV) | Correction Factor (dB/m) | Result-PK (dBuV/m) | Result-AV (dBuV/m) | Limit-PK (dBuV/m) | Limit-AV (dBuV/m) | Margin (dB) | Remark |
| 2080.00                              | 49.31             | ---               | 1.98                     | 51.29              | ---                | 74.00             | 54.00             | -2.71       | Peak   |
| 2312.00                              | 48.64             | ---               | 2.55                     | 51.19              | ---                | 74.00             | 54.00             | -2.81       | Peak   |
| 2540.00                              | 48.69             | ---               | 3.09                     | 51.79              | ---                | 74.00             | 54.00             | -2.21       | Peak   |
| 3255.00                              | 43.71             | ---               | 4.54                     | 48.25              | ---                | 74.00             | 54.00             | -5.75       | Peak   |
| 4875.00                              | 44.61             | 43.64             | 8.04                     | 52.65              | 51.68              | 74.00             | 54.00             | -2.32       | AVG    |
| 4995.00                              | 43.93             | ---               | 8.14                     | 52.06              | ---                | 74.00             | 54.00             | -1.94       | Peak   |
| 966 Chamber_B at 3Meter / Vertical   |                   |                   |                          |                    |                    |                   |                   |             |        |
| Frequency (MHz)                      | Reading-PK (dBuV) | Reading-AV (dBuV) | Correction Factor (dB/m) | Result-PK (dBuV/m) | Result-AV (dBuV/m) | Limit-PK (dBuV/m) | Limit-AV (dBuV/m) | Margin (dB) | Remark |
| 1938.00                              | 49.11             | ---               | 1.20                     | 50.32              | ---                | 74.00             | 54.00             | -3.68       | Peak   |
| 2280.00                              | 50.33             | 40.19             | 2.47                     | 52.80              | 42.66              | 74.00             | 54.00             | -11.34      | AVG    |
| 2540.00                              | 48.49             | ---               | 3.09                     | 51.59              | ---                | 74.00             | 54.00             | -2.41       | Peak   |
| 3300.00                              | 42.33             | ---               | 4.63                     | 46.96              | ---                | 74.00             | 54.00             | -7.04       | Peak   |
| 4515.00                              | 41.15             | ---               | 7.75                     | 48.90              | ---                | 74.00             | 54.00             | -5.10       | Peak   |
| 7050.00                              | 39.64             | ---               | 12.20                    | 51.84              | ---                | 74.00             | 54.00             | -2.16       | Peak   |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. 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.
4. 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.
5. Result = Reading + Correction Factor  
Margin = Result – Limit  
Remark Peak = Result(PK) – Limit(AV)  
Remark AVG = Result(AV) – Limit(AV)



|                     |                           |                             |            |
|---------------------|---------------------------|-----------------------------|------------|
| <b>Product Name</b> | MoCA to WiFi extender     | <b>Test By</b>              | Rex Chiu   |
| <b>Test Model</b>   | HT-EMN2                   | <b>Test Date</b>            | 2015/06/04 |
| <b>Test Mode</b>    | IEEE 802.11b TX / CH High | <b>Temp. &amp; Humidity</b> | 24°C, 55%  |

| 966 Chamber_B at 3Meter / Horizontal |                   |                   |                          |                    |                    |                   |                   |             |        |
|--------------------------------------|-------------------|-------------------|--------------------------|--------------------|--------------------|-------------------|-------------------|-------------|--------|
| Frequency (MHz)                      | Reading-PK (dBuV) | Reading-AV (dBuV) | Correction Factor (dB/m) | Result-PK (dBuV/m) | Result-AV (dBuV/m) | Limit-PK (dBuV/m) | Limit-AV (dBuV/m) | Margin (dB) | Remark |
| 1908.00                              | 48.99             | ---               | 0.93                     | 49.91              | ---                | 74.00             | 54.00             | -4.09       | Peak   |
| 2292.00                              | 49.81             | ---               | 2.50                     | 52.31              | ---                | 74.00             | 54.00             | -1.69       | Peak   |
| 2568.00                              | 48.61             | ---               | 3.15                     | 51.76              | ---                | 74.00             | 54.00             | -2.24       | Peak   |
| 3285.00                              | 44.09             | ---               | 4.60                     | 48.69              | ---                | 74.00             | 54.00             | -5.31       | Peak   |
| 4920.00                              | 44.33             | 43.60             | 8.08                     | 52.41              | 51.68              | 74.00             | 54.00             | -2.32       | AVG    |
| 6930.00                              | 40.05             | ---               | 12.22                    | 52.27              | ---                | 74.00             | 54.00             | -1.73       | Peak   |
| 966 Chamber_B at 3Meter / Vertical   |                   |                   |                          |                    |                    |                   |                   |             |        |
| Frequency (MHz)                      | Reading-PK (dBuV) | Reading-AV (dBuV) | Correction Factor (dB/m) | Result-PK (dBuV/m) | Result-AV (dBuV/m) | Limit-PK (dBuV/m) | Limit-AV (dBuV/m) | Margin (dB) | Remark |
| 2138.00                              | 49.53             | ---               | 2.12                     | 51.65              | ---                | 74.00             | 54.00             | -2.35       | Peak   |
| 2290.00                              | 49.50             | ---               | 2.49                     | 52.00              | ---                | 74.00             | 54.00             | -2.00       | Peak   |
| 2540.00                              | 48.85             | ---               | 3.09                     | 51.94              | ---                | 74.00             | 54.00             | -2.06       | Peak   |
| 3225.00                              | 42.59             | ---               | 4.48                     | 47.07              | ---                | 74.00             | 54.00             | -6.93       | Peak   |
| 4920.00                              | 40.25             | ---               | 8.08                     | 48.32              | ---                | 74.00             | 54.00             | -5.68       | Peak   |
| 6375.00                              | 40.08             | ---               | 11.62                    | 51.70              | ---                | 74.00             | 54.00             | -2.30       | Peak   |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. 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.
4. 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.
5. Result = Reading + Correction Factor  
 Margin = Result – Limit  
 Remark Peak = Result(PK) – Limit(AV)  
 Remark AVG = Result(AV) – Limit(AV)





|                     |                          |                             |            |
|---------------------|--------------------------|-----------------------------|------------|
| <b>Product Name</b> | MoCA to WiFi extender    | <b>Test By</b>              | Rex Chiu   |
| <b>Test Model</b>   | HT-EMN2                  | <b>Test Date</b>            | 2015/06/04 |
| <b>Test Mode</b>    | IEEE 802.11g TX / CH Low | <b>Temp. &amp; Humidity</b> | 24°C, 55%  |

| 966 Chamber_B at 3Meter / Horizontal |                   |                   |                          |                    |                    |                   |                   |             |        |
|--------------------------------------|-------------------|-------------------|--------------------------|--------------------|--------------------|-------------------|-------------------|-------------|--------|
| Frequency (MHz)                      | Reading-PK (dBuV) | Reading-AV (dBuV) | Correction Factor (dB/m) | Result-PK (dBuV/m) | Result-AV (dBuV/m) | Limit-PK (dBuV/m) | Limit-AV (dBuV/m) | Margin (dB) | Remark |
| 1796.00                              | 49.81             | ---               | -0.11                    | 49.70              | ---                | 74.00             | 54.00             | -4.30       | Peak   |
| 2088.00                              | 48.36             | ---               | 2.00                     | 50.36              | ---                | 74.00             | 54.00             | -3.64       | Peak   |
| 2538.00                              | 48.42             | ---               | 3.09                     | 51.51              | ---                | 74.00             | 54.00             | -2.49       | Peak   |
| 4815.00                              | 44.97             | 34.82             | 7.99                     | 52.96              | 42.81              | 74.00             | 54.00             | -11.19      | AVG    |
| 4995.00                              | 43.55             | ---               | 8.14                     | 51.69              | ---                | 74.00             | 54.00             | -2.31       | Peak   |
| 5655.00                              | 41.04             | ---               | 10.54                    | 51.58              | ---                | 74.00             | 54.00             | -2.42       | Peak   |
| 966 Chamber_B at 3Meter / Vertical   |                   |                   |                          |                    |                    |                   |                   |             |        |
| Frequency (MHz)                      | Reading-PK (dBuV) | Reading-AV (dBuV) | Correction Factor (dB/m) | Result-PK (dBuV/m) | Result-AV (dBuV/m) | Limit-PK (dBuV/m) | Limit-AV (dBuV/m) | Margin (dB) | Remark |
| 1776.00                              | 49.59             | ---               | -0.30                    | 49.29              | ---                | 74.00             | 54.00             | -4.71       | Peak   |
| 2256.00                              | 53.27             | 43.52             | 2.41                     | 55.68              | 45.93              | 74.00             | 54.00             | -8.07       | AVG    |
| 2576.00                              | 50.93             | 40.63             | 3.17                     | 54.10              | 43.80              | 74.00             | 54.00             | -10.20      | AVG    |
| 3660.00                              | 42.52             | ---               | 5.33                     | 47.85              | ---                | 74.00             | 54.00             | -6.15       | Peak   |
| 4815.00                              | 41.00             | ---               | 7.99                     | 48.99              | ---                | 74.00             | 54.00             | -5.01       | Peak   |
| 6300.00                              | 39.70             | ---               | 11.61                    | 51.31              | ---                | 74.00             | 54.00             | -2.69       | Peak   |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. 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.
4. 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.
5. Result = Reading + Correction Factor  
Margin = Result - Limit  
Remark Peak = Result(PK) - Limit(AV)  
Remark AVG = Result(AV) - Limit(AV)



|                     |                             |                             |            |
|---------------------|-----------------------------|-----------------------------|------------|
| <b>Product Name</b> | MoCA to WiFi extender       | <b>Test By</b>              | Rex Chiu   |
| <b>Test Model</b>   | HT-EMN2                     | <b>Test Date</b>            | 2015/06/04 |
| <b>Test Mode</b>    | IEEE 802.11g TX / CH Middle | <b>Temp. &amp; Humidity</b> | 24°C, 55%  |

| 966 Chamber_B at 3Meter / Horizontal |                   |                   |                          |                    |                    |                   |                   |             |        |
|--------------------------------------|-------------------|-------------------|--------------------------|--------------------|--------------------|-------------------|-------------------|-------------|--------|
| Frequency (MHz)                      | Reading-PK (dBuV) | Reading-AV (dBuV) | Correction Factor (dB/m) | Result-PK (dBuV/m) | Result-AV (dBuV/m) | Limit-PK (dBuV/m) | Limit-AV (dBuV/m) | Margin (dB) | Remark |
| 1126.00                              | 53.12             | ---               | -3.26                    | 49.87              | ---                | 74.00             | 54.00             | -4.13       | Peak   |
| 2362.00                              | 52.86             | 39.37             | 2.67                     | 55.53              | 42.04              | 74.00             | 54.00             | -11.96      | AVG    |
| 2538.00                              | 52.04             | 38.81             | 3.09                     | 55.13              | 41.90              | 74.00             | 54.00             | -12.10      | AVG    |
| 3255.00                              | 43.76             | ---               | 4.54                     | 48.30              | ---                | 74.00             | 54.00             | -5.70       | Peak   |
| 4875.00                              | 47.83             | 37.10             | 8.04                     | 55.87              | 45.14              | 74.00             | 54.00             | -8.86       | AVG    |
| 7320.00                              | 42.58             | 31.75             | 11.57                    | 54.15              | 43.32              | 74.00             | 54.00             | -10.68      | AVG    |
| 966 Chamber_B at 3Meter / Vertical   |                   |                   |                          |                    |                    |                   |                   |             |        |
| Frequency (MHz)                      | Reading-PK (dBuV) | Reading-AV (dBuV) | Correction Factor (dB/m) | Result-PK (dBuV/m) | Result-AV (dBuV/m) | Limit-PK (dBuV/m) | Limit-AV (dBuV/m) | Margin (dB) | Remark |
| 1446.00                              | 51.40             | ---               | -2.92                    | 48.48              | ---                | 74.00             | 54.00             | -5.52       | Peak   |
| 2256.00                              | 56.60             | 44.39             | 2.41                     | 59.01              | 46.80              | 74.00             | 54.00             | -7.20       | AVG    |
| 2528.00                              | 53.12             | 40.85             | 3.07                     | 56.19              | 43.92              | 74.00             | 54.00             | -10.08      | AVG    |
| 3375.00                              | 42.17             | ---               | 4.78                     | 46.95              | ---                | 74.00             | 54.00             | -7.05       | Peak   |
| 4890.00                              | 42.09             | ---               | 8.05                     | 50.14              | ---                | 74.00             | 54.00             | -3.86       | Peak   |
| 7320.00                              | 41.48             | 30.58             | 11.57                    | 53.05              | 42.15              | 74.00             | 54.00             | -11.85      | AVG    |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. 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.
4. 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.
5. Result = Reading + Correction Factor  
 Margin = Result – Limit  
 Remark Peak = Result(PK) – Limit(AV)  
 Remark AVG = Result(AV) – Limit(AV)



|                     |                           |                             |            |
|---------------------|---------------------------|-----------------------------|------------|
| <b>Product Name</b> | MoCA to WiFi extender     | <b>Test By</b>              | Rex Chiu   |
| <b>Test Model</b>   | HT-EMN2                   | <b>Test Date</b>            | 2015/06/04 |
| <b>Test Mode</b>    | IEEE 802.11g TX / CH High | <b>Temp. &amp; Humidity</b> | 24 °C, 55% |

| 966 Chamber_B at 3Meter / Horizontal |                   |                   |                          |                    |                    |                   |                   |             |        |
|--------------------------------------|-------------------|-------------------|--------------------------|--------------------|--------------------|-------------------|-------------------|-------------|--------|
| Frequency (MHz)                      | Reading-PK (dBuV) | Reading-AV (dBuV) | Correction Factor (dB/m) | Result-PK (dBuV/m) | Result-AV (dBuV/m) | Limit-PK (dBuV/m) | Limit-AV (dBuV/m) | Margin (dB) | Remark |
| 1816.00                              | 49.51             | ---               | 0.07                     | 49.59              | ---                | 74.00             | 54.00             | -4.41       | Peak   |
| 2266.00                              | 51.48             | 40.75             | 2.43                     | 53.91              | 43.18              | 74.00             | 54.00             | -10.82      | AVG    |
| 2562.00                              | 49.87             | 39.29             | 3.14                     | 53.01              | 42.43              | 74.00             | 54.00             | -11.57      | AVG    |
| 3285.00                              | 42.59             | ---               | 4.60                     | 47.19              | ---                | 74.00             | 54.00             | -6.81       | Peak   |
| 4920.00                              | 45.61             | 35.40             | 8.08                     | 53.69              | 43.48              | 74.00             | 54.00             | -10.52      | AVG    |
| 6870.00                              | 39.69             | ---               | 12.14                    | 51.83              | ---                | 74.00             | 54.00             | -2.17       | Peak   |
| 966 Chamber_B at 3Meter / Vertical   |                   |                   |                          |                    |                    |                   |                   |             |        |
| Frequency (MHz)                      | Reading-PK (dBuV) | Reading-AV (dBuV) | Correction Factor (dB/m) | Result-PK (dBuV/m) | Result-AV (dBuV/m) | Limit-PK (dBuV/m) | Limit-AV (dBuV/m) | Margin (dB) | Remark |
| 1872.00                              | 49.18             | ---               | 0.59                     | 49.77              | ---                | 74.00             | 54.00             | -4.23       | Peak   |
| 2284.00                              | 57.29             | 44.15             | 2.48                     | 59.77              | 46.63              | 74.00             | 54.00             | -7.37       | AVG    |
| 2540.00                              | 53.40             | 40.24             | 3.09                     | 56.49              | 43.33              | 74.00             | 54.00             | -10.67      | AVG    |
| 3075.00                              | 42.47             | ---               | 4.18                     | 46.65              | ---                | 74.00             | 54.00             | -7.35       | Peak   |
| 4920.00                              | 43.04             | ---               | 8.08                     | 51.12              | ---                | 74.00             | 54.00             | -2.88       | Peak   |
| 7395.00                              | 40.78             | ---               | 11.40                    | 52.19              | ---                | 74.00             | 54.00             | -1.81       | Peak   |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. 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.
4. 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.
5. Result = Reading + Correction Factor  
 Margin = Result – Limit  
 Remark Peak = Result(PK) – Limit(AV)  
 Remark AVG = Result(AV) – Limit(AV)



|                     |                                |                             |            |
|---------------------|--------------------------------|-----------------------------|------------|
| <b>Product Name</b> | MoCA to WiFi extender          | <b>Test By</b>              | Rex Chiu   |
| <b>Test Model</b>   | HT-EMN2                        | <b>Test Date</b>            | 2015/06/04 |
| <b>Test Mode</b>    | IEEE 802.11gn HT20 TX / CH Low | <b>Temp. &amp; Humidity</b> | 24°C, 55%  |

| 966 Chamber_B at 3Meter / Horizontal |                   |                   |                          |                    |                    |                   |                   |             |        |
|--------------------------------------|-------------------|-------------------|--------------------------|--------------------|--------------------|-------------------|-------------------|-------------|--------|
| Frequency (MHz)                      | Reading-PK (dBuV) | Reading-AV (dBuV) | Correction Factor (dB/m) | Result-PK (dBuV/m) | Result-AV (dBuV/m) | Limit-PK (dBuV/m) | Limit-AV (dBuV/m) | Margin (dB) | Remark |
| 1996.00                              | 48.95             | ---               | 1.74                     | 50.70              | ---                | 74.00             | 54.00             | -3.30       | Peak   |
| 2294.00                              | 49.42             | ---               | 2.50                     | 51.93              | ---                | 74.00             | 54.00             | -2.07       | Peak   |
| 2488.00                              | 48.65             | ---               | 2.98                     | 51.63              | ---                | 74.00             | 54.00             | -2.37       | Peak   |
| 3285.00                              | 43.05             | ---               | 4.60                     | 47.65              | ---                | 74.00             | 54.00             | -6.35       | Peak   |
| 4920.00                              | 43.19             | ---               | 8.08                     | 51.26              | ---                | 74.00             | 54.00             | -2.74       | Peak   |
| 4995.00                              | 43.38             | ---               | 8.14                     | 51.51              | ---                | 74.00             | 54.00             | -2.49       | Peak   |
| 966 Chamber_B at 3Meter / Vertical   |                   |                   |                          |                    |                    |                   |                   |             |        |
| Frequency (MHz)                      | Reading-PK (dBuV) | Reading-AV (dBuV) | Correction Factor (dB/m) | Result-PK (dBuV/m) | Result-AV (dBuV/m) | Limit-PK (dBuV/m) | Limit-AV (dBuV/m) | Margin (dB) | Remark |
| 1942.00                              | 48.99             | ---               | 1.24                     | 50.23              | ---                | 74.00             | 54.00             | -3.77       | Peak   |
| 2250.00                              | 52.28             | 42.17             | 2.39                     | 54.68              | 44.56              | 74.00             | 54.00             | -9.44       | AVG    |
| 2566.00                              | 49.63             | 39.46             | 3.14                     | 52.78              | 42.60              | 74.00             | 54.00             | -11.40      | AVG    |
| 3225.00                              | 42.38             | ---               | 4.48                     | 46.86              | ---                | 74.00             | 54.00             | -7.14       | Peak   |
| 4920.00                              | 41.94             | ---               | 8.08                     | 50.02              | ---                | 74.00             | 54.00             | -3.98       | Peak   |
| 7110.00                              | 39.75             | ---               | 12.06                    | 51.81              | ---                | 74.00             | 54.00             | -2.19       | Peak   |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. 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.
4. 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.
5. Result = Reading + Correction Factor  
 Margin = Result – Limit  
 Remark Peak = Result(PK) – Limit(AV)  
 Remark AVG = Result(AV) – Limit(AV)



|                     |                                   |                             |            |
|---------------------|-----------------------------------|-----------------------------|------------|
| <b>Product Name</b> | MoCA to WiFi extender             | <b>Test By</b>              | Rex Chiu   |
| <b>Test Model</b>   | HT-EMN2                           | <b>Test Date</b>            | 2015/06/04 |
| <b>Test Mode</b>    | IEEE 802.11gn HT20 TX / CH Middle | <b>Temp. &amp; Humidity</b> | 24°C, 55%  |

| 966 Chamber_B at 3Meter / Horizontal |                   |                   |                          |                    |                    |                   |                   |             |        |
|--------------------------------------|-------------------|-------------------|--------------------------|--------------------|--------------------|-------------------|-------------------|-------------|--------|
| Frequency (MHz)                      | Reading-PK (dBuV) | Reading-AV (dBuV) | Correction Factor (dB/m) | Result-PK (dBuV/m) | Result-AV (dBuV/m) | Limit-PK (dBuV/m) | Limit-AV (dBuV/m) | Margin (dB) | Remark |
| 2272.00                              | 52.16             | 40.15             | 2.45                     | 54.61              | 42.60              | 74.00             | 54.00             | -11.40      | AVG    |
| 2358.00                              | 52.13             | 39.92             | 2.66                     | 54.79              | 42.58              | 74.00             | 54.00             | -11.42      | AVG    |
| 2518.00                              | 50.21             | 38.36             | 3.05                     | 53.26              | 41.41              | 74.00             | 54.00             | -12.59      | AVG    |
| 4875.00                              | 46.30             | 36.24             | 8.04                     | 54.34              | 44.28              | 74.00             | 54.00             | -9.72       | AVG    |
| 4995.00                              | 43.66             | ---               | 8.14                     | 51.80              | ---                | 74.00             | 54.00             | -2.20       | Peak   |
| 7305.00                              | 42.03             | 32.25             | 11.61                    | 53.64              | 43.86              | 74.00             | 54.00             | -10.14      | AVG    |
| 966 Chamber_B at 3Meter / Vertical   |                   |                   |                          |                    |                    |                   |                   |             |        |
| Frequency (MHz)                      | Reading-PK (dBuV) | Reading-AV (dBuV) | Correction Factor (dB/m) | Result-PK (dBuV/m) | Result-AV (dBuV/m) | Limit-PK (dBuV/m) | Limit-AV (dBuV/m) | Margin (dB) | Remark |
| 1920.00                              | 50.27             | ---               | 1.04                     | 51.31              | ---                | 74.00             | 54.00             | -2.69       | Peak   |
| 2260.00                              | 57.15             | 44.56             | 2.42                     | 59.57              | 46.98              | 74.00             | 54.00             | -7.02       | AVG    |
| 2554.00                              | 52.83             | 40.23             | 3.12                     | 55.95              | 43.35              | 74.00             | 54.00             | -10.65      | AVG    |
| 3210.00                              | 41.99             | ---               | 4.45                     | 46.44              | ---                | 74.00             | 54.00             | -7.56       | Peak   |
| 4860.00                              | 42.57             | ---               | 8.03                     | 50.60              | ---                | 74.00             | 54.00             | -3.40       | Peak   |
| 7320.00                              | 41.36             | 31.41             | 11.57                    | 52.93              | 42.98              | 74.00             | 54.00             | -11.02      | AVG    |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. 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.
4. 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.
5. Result = Reading + Correction Factor  
 Margin = Result – Limit  
 Remark Peak = Result(PK) – Limit(AV)  
 Remark AVG = Result(AV) – Limit(AV)



|                     |                                 |                             |            |
|---------------------|---------------------------------|-----------------------------|------------|
| <b>Product Name</b> | MoCA to WiFi extender           | <b>Test By</b>              | Rex Chiu   |
| <b>Test Model</b>   | HT-EMN2                         | <b>Test Date</b>            | 2015/06/04 |
| <b>Test Mode</b>    | IEEE 802.11gn HT20 TX / CH High | <b>Temp. &amp; Humidity</b> | 24°C, 55%  |

**966 Chamber\_B at 3Meter / Horizontal**

| Frequency (MHz) | Reading-PK (dBuV) | Reading-AV (dBuV) | Correction Factor (dB/m) | Result-PK (dBuV/m) | Result-AV (dBuV/m) | Limit-PK (dBuV/m) | Limit-AV (dBuV/m) | Margin (dB) | Remark |
|-----------------|-------------------|-------------------|--------------------------|--------------------|--------------------|-------------------|-------------------|-------------|--------|
| 2098.00         | 49.32             | ---               | 2.02                     | 51.35              | ---                | 74.00             | 54.00             | -2.65       | Peak   |
| 2390.00         | 49.14             | ---               | 2.74                     | 51.88              | ---                | 74.00             | 54.00             | -2.12       | Peak   |
| 2550.00         | 48.63             | ---               | 3.11                     | 51.74              | ---                | 74.00             | 54.00             | -2.26       | Peak   |
| 4920.00         | 43.10             | ---               | 8.08                     | 51.17              | ---                | 74.00             | 54.00             | -2.83       | Peak   |
| 4995.00         | 43.39             | ---               | 8.14                     | 51.53              | ---                | 74.00             | 54.00             | -2.47       | Peak   |
| 7110.00         | 39.14             | ---               | 12.06                    | 51.19              | ---                | 74.00             | 54.00             | -2.81       | Peak   |

**966 Chamber\_B at 3Meter / Vertical**

| Frequency (MHz) | Reading-PK (dBuV) | Reading-AV (dBuV) | Correction Factor (dB/m) | Result-PK (dBuV/m) | Result-AV (dBuV/m) | Limit-PK (dBuV/m) | Limit-AV (dBuV/m) | Margin (dB) | Remark |
|-----------------|-------------------|-------------------|--------------------------|--------------------|--------------------|-------------------|-------------------|-------------|--------|
| 1916.00         | 48.59             | ---               | 1.00                     | 49.59              | ---                | 74.00             | 54.00             | -4.41       | Peak   |
| 2242.00         | 51.78             | 40.93             | 2.38                     | 54.16              | 43.31              | 74.00             | 54.00             | -10.69      | AVG    |
| 2556.00         | 49.82             | 38.71             | 3.12                     | 52.95              | 41.83              | 74.00             | 54.00             | -12.17      | AVG    |
| 3120.00         | 41.65             | ---               | 4.27                     | 45.92              | ---                | 74.00             | 54.00             | -8.08       | Peak   |
| 4740.00         | 40.91             | ---               | 7.93                     | 48.84              | ---                | 74.00             | 54.00             | -5.16       | Peak   |
| 6930.00         | 37.89             | ---               | 12.22                    | 50.11              | ---                | 74.00             | 54.00             | -3.89       | Peak   |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. 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.
4. 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.
5. Result = Reading + Correction Factor  
 Margin = Result – Limit  
 Remark Peak = Result(PK) – Limit(AV)  
 Remark AVG = Result(AV) – Limit(AV)





|                     |                                |                             |            |
|---------------------|--------------------------------|-----------------------------|------------|
| <b>Product Name</b> | MoCA to WiFi extender          | <b>Test By</b>              | Rex Chiu   |
| <b>Test Model</b>   | HT-EMN2                        | <b>Test Date</b>            | 2015/06/04 |
| <b>Test Mode</b>    | IEEE 802.11gn HT40 TX / CH Low | <b>Temp. &amp; Humidity</b> | 24°C, 55%  |

| 966 Chamber_B at 3Meter / Horizontal |                   |                   |                          |                    |                    |                   |                   |             |        |
|--------------------------------------|-------------------|-------------------|--------------------------|--------------------|--------------------|-------------------|-------------------|-------------|--------|
| Frequency (MHz)                      | Reading-PK (dBuV) | Reading-AV (dBuV) | Correction Factor (dB/m) | Result-PK (dBuV/m) | Result-AV (dBuV/m) | Limit-PK (dBuV/m) | Limit-AV (dBuV/m) | Margin (dB) | Remark |
| 1132.00                              | 53.28             | ---               | -3.25                    | 50.03              | ---                | 74.00             | 54.00             | -3.97       | Peak   |
| 1936.00                              | 49.62             | ---               | 1.19                     | 50.80              | ---                | 74.00             | 54.00             | -3.20       | Peak   |
| 2510.00                              | 49.49             | ---               | 3.03                     | 52.52              | ---                | 74.00             | 54.00             | -1.48       | Peak   |
| 4485.00                              | 42.34             | ---               | 7.69                     | 50.03              | ---                | 74.00             | 54.00             | -3.97       | Peak   |
| 4995.00                              | 43.80             | ---               | 8.14                     | 51.94              | ---                | 74.00             | 54.00             | -2.06       | Peak   |
| 5580.00                              | 41.55             | ---               | 10.32                    | 51.87              | ---                | 74.00             | 54.00             | -2.13       | Peak   |
| 966 Chamber_B at 3Meter / Vertical   |                   |                   |                          |                    |                    |                   |                   |             |        |
| Frequency (MHz)                      | Reading-PK (dBuV) | Reading-AV (dBuV) | Correction Factor (dB/m) | Result-PK (dBuV/m) | Result-AV (dBuV/m) | Limit-PK (dBuV/m) | Limit-AV (dBuV/m) | Margin (dB) | Remark |
| 1752.00                              | 50.03             | ---               | -0.52                    | 49.50              | ---                | 74.00             | 54.00             | -4.50       | Peak   |
| 2278.00                              | 52.47             | 40.39             | 2.46                     | 54.94              | 42.85              | 74.00             | 54.00             | -11.15      | AVG    |
| 2538.00                              | 51.19             | 39.28             | 3.09                     | 54.27              | 42.37              | 74.00             | 54.00             | -11.63      | AVG    |
| 3195.00                              | 41.94             | ---               | 4.42                     | 46.36              | ---                | 74.00             | 54.00             | -7.64       | Peak   |
| 4530.00                              | 41.33             | ---               | 7.76                     | 49.09              | ---                | 74.00             | 54.00             | -4.91       | Peak   |
| 6930.00                              | 39.44             | ---               | 12.22                    | 51.66              | ---                | 74.00             | 54.00             | -2.34       | Peak   |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. 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.
4. 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.
5. Result = Reading + Correction Factor  
 Margin = Result - Limit  
 Remark Peak = Result(PK) - Limit(AV)  
 Remark AVG = Result(AV) - Limit(AV)



|                     |                                   |                             |            |
|---------------------|-----------------------------------|-----------------------------|------------|
| <b>Product Name</b> | MoCA to WiFi extender             | <b>Test By</b>              | Rex Chiu   |
| <b>Test Model</b>   | HT-EMN2                           | <b>Test Date</b>            | 2015/06/04 |
| <b>Test Mode</b>    | IEEE 802.11gn HT40 TX / CH Middle | <b>Temp. &amp; Humidity</b> | 24°C, 55%  |

| 966 Chamber_B at 3Meter / Horizontal |                   |                   |                          |                    |                    |                   |                   |             |        |
|--------------------------------------|-------------------|-------------------|--------------------------|--------------------|--------------------|-------------------|-------------------|-------------|--------|
| Frequency (MHz)                      | Reading-PK (dBuV) | Reading-AV (dBuV) | Correction Factor (dB/m) | Result-PK (dBuV/m) | Result-AV (dBuV/m) | Limit-PK (dBuV/m) | Limit-AV (dBuV/m) | Margin (dB) | Remark |
| 2076.00                              | 49.73             | ---               | 1.97                     | 51.70              | ---                | 74.00             | 54.00             | -2.30       | Peak   |
| 2388.00                              | 53.88             | 38.72             | 2.73                     | 56.61              | 41.45              | 74.00             | 54.00             | -12.55      | AVG    |
| 2484.00                              | 52.33             | 37.26             | 2.97                     | 55.30              | 40.23              | 74.00             | 54.00             | -13.77      | AVG    |
| 3255.00                              | 44.71             | ---               | 4.54                     | 49.25              | ---                | 74.00             | 54.00             | -4.75       | Peak   |
| 4875.00                              | 44.10             | ---               | 8.04                     | 52.14              | ---                | 74.00             | 54.00             | -1.86       | Peak   |
| 7080.00                              | 40.08             | ---               | 12.13                    | 52.21              | ---                | 74.00             | 54.00             | -1.79       | Peak   |
| 966 Chamber_B at 3Meter / Vertical   |                   |                   |                          |                    |                    |                   |                   |             |        |
| Frequency (MHz)                      | Reading-PK (dBuV) | Reading-AV (dBuV) | Correction Factor (dB/m) | Result-PK (dBuV/m) | Result-AV (dBuV/m) | Limit-PK (dBuV/m) | Limit-AV (dBuV/m) | Margin (dB) | Remark |
| 2266.00                              | 57.73             | 44.56             | 2.43                     | 60.17              | 46.99              | 74.00             | 54.00             | -7.01       | AVG    |
| 2388.00                              | 60.37             | 43.42             | 2.73                     | 63.11              | 46.15              | 74.00             | 54.00             | -7.85       | AVG    |
| 2484.00                              | 57.75             | 42.80             | 2.97                     | 60.72              | 45.77              | 74.00             | 54.00             | -8.23       | AVG    |
| 3255.00                              | 42.34             | ---               | 4.54                     | 46.88              | ---                | 74.00             | 54.00             | -7.12       | Peak   |
| 4740.00                              | 40.21             | ---               | 7.93                     | 48.14              | ---                | 74.00             | 54.00             | -5.86       | Peak   |
| 6525.00                              | 39.67             | ---               | 11.68                    | 51.35              | ---                | 74.00             | 54.00             | -2.65       | Peak   |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. 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.
4. 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.
5. Result = Reading + Correction Factor  
 Margin = Result – Limit  
 Remark Peak = Result(PK) – Limit(AV)  
 Remark AVG = Result(AV) – Limit(AV)



|                     |                                 |                             |            |
|---------------------|---------------------------------|-----------------------------|------------|
| <b>Product Name</b> | MoCA to WiFi extender           | <b>Test By</b>              | Rex Chiu   |
| <b>Test Model</b>   | HT-EMN2                         | <b>Test Date</b>            | 2015/06/04 |
| <b>Test Mode</b>    | IEEE 802.11gn HT40 TX / CH High | <b>Temp. &amp; Humidity</b> | 24°C, 55%  |

**966 Chamber\_B at 3Meter / Horizontal**

| Frequency (MHz) | Reading-PK (dBuV) | Reading-AV (dBuV) | Correction Factor (dB/m) | Result-PK (dBuV/m) | Result-AV (dBuV/m) | Limit-PK (dBuV/m) | Limit-AV (dBuV/m) | Margin (dB) | Remark |
|-----------------|-------------------|-------------------|--------------------------|--------------------|--------------------|-------------------|-------------------|-------------|--------|
| 2076.00         | 48.81             | ---               | 1.97                     | 50.78              | ---                | 74.00             | 54.00             | -3.22       | Peak   |
| 2388.00         | 50.47             | 38.63             | 2.73                     | 53.20              | 41.36              | 74.00             | 54.00             | -12.64      | AVG    |
| 2566.00         | 48.91             | ---               | 3.14                     | 52.05              | ---                | 74.00             | 54.00             | -1.95       | Peak   |
| 3270.00         | 43.61             | ---               | 4.57                     | 48.18              | ---                | 74.00             | 54.00             | -5.82       | Peak   |
| 4995.00         | 43.96             | ---               | 8.14                     | 52.09              | ---                | 74.00             | 54.00             | -1.91       | Peak   |
| 7020.00         | 39.23             | ---               | 12.26                    | 51.50              | ---                | 74.00             | 54.00             | -2.50       | Peak   |

**966 Chamber\_B at 3Meter / Vertical**

| Frequency (MHz) | Reading-PK (dBuV) | Reading-AV (dBuV) | Correction Factor (dB/m) | Result-PK (dBuV/m) | Result-AV (dBuV/m) | Limit-PK (dBuV/m) | Limit-AV (dBuV/m) | Margin (dB) | Remark |
|-----------------|-------------------|-------------------|--------------------------|--------------------|--------------------|-------------------|-------------------|-------------|--------|
| 1968.00         | 48.88             | ---               | 1.48                     | 50.36              | ---                | 74.00             | 54.00             | -3.64       | Peak   |
| 2286.00         | 53.30             | 41.43             | 2.48                     | 55.78              | 43.91              | 74.00             | 54.00             | -10.09      | AVG    |
| 2504.00         | 55.03             | 43.15             | 3.02                     | 58.05              | 46.17              | 74.00             | 54.00             | -7.83       | AVG    |
| 3165.00         | 42.01             | ---               | 4.36                     | 46.37              | ---                | 74.00             | 54.00             | -7.63       | Peak   |
| 4800.00         | 40.14             | ---               | 7.98                     | 48.12              | ---                | 74.00             | 54.00             | -5.88       | Peak   |
| 7005.00         | 39.23             | ---               | 12.30                    | 51.53              | ---                | 74.00             | 54.00             | -2.47       | Peak   |

**Remark:**

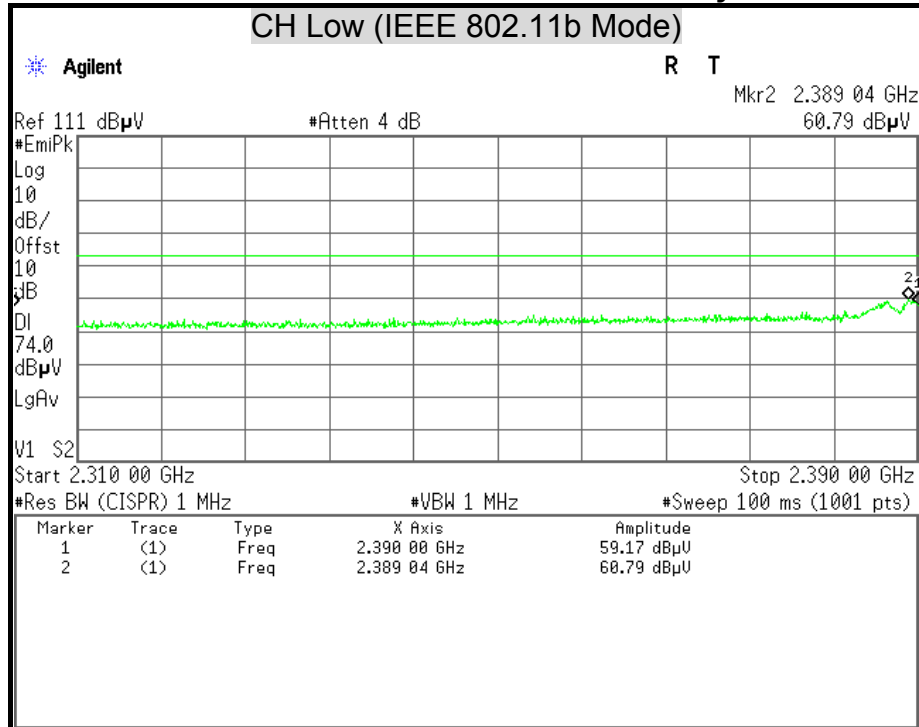
1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Average test would be performed if the peak result were greater than the average limit.
3. Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
4. 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.
5. Result = Reading + Correction Factor  
Margin = Result - Limit  
Remark Peak = Result(PK) - Limit(AV)  
Remark AVG = Result(AV) - Limit(AV)



## Restricted Band Edges

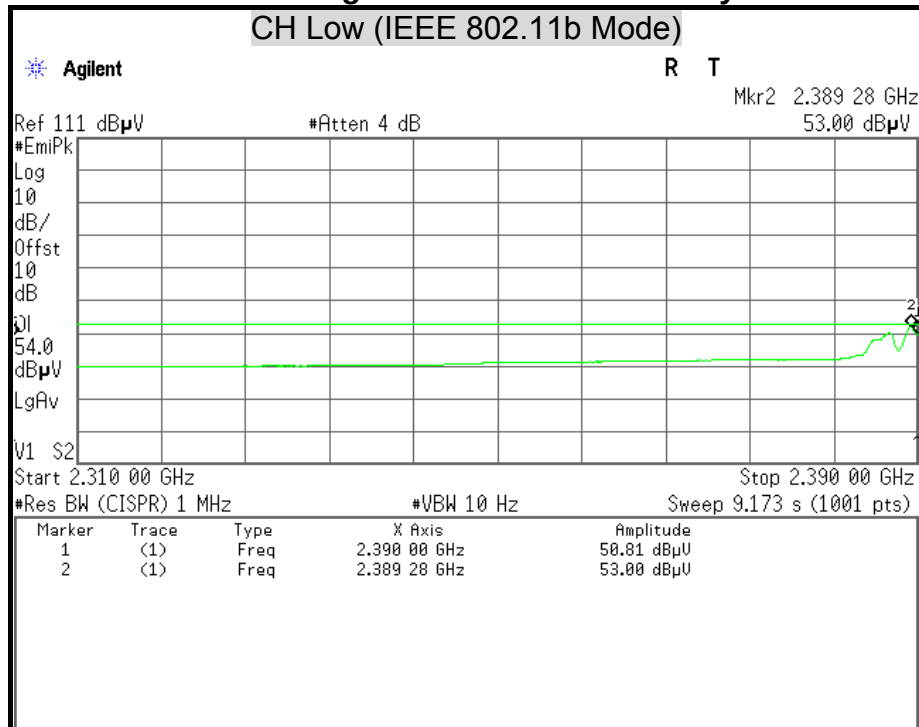
Detector Mode : Peak

Polarity : Horizontal



Detector Mode : Average

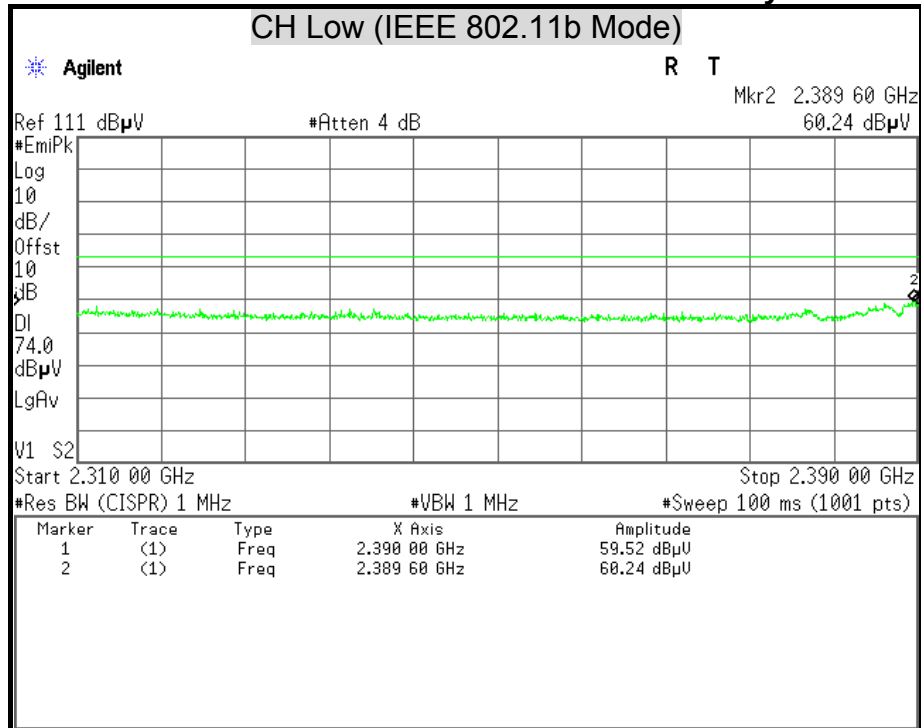
Polarity : Horizontal





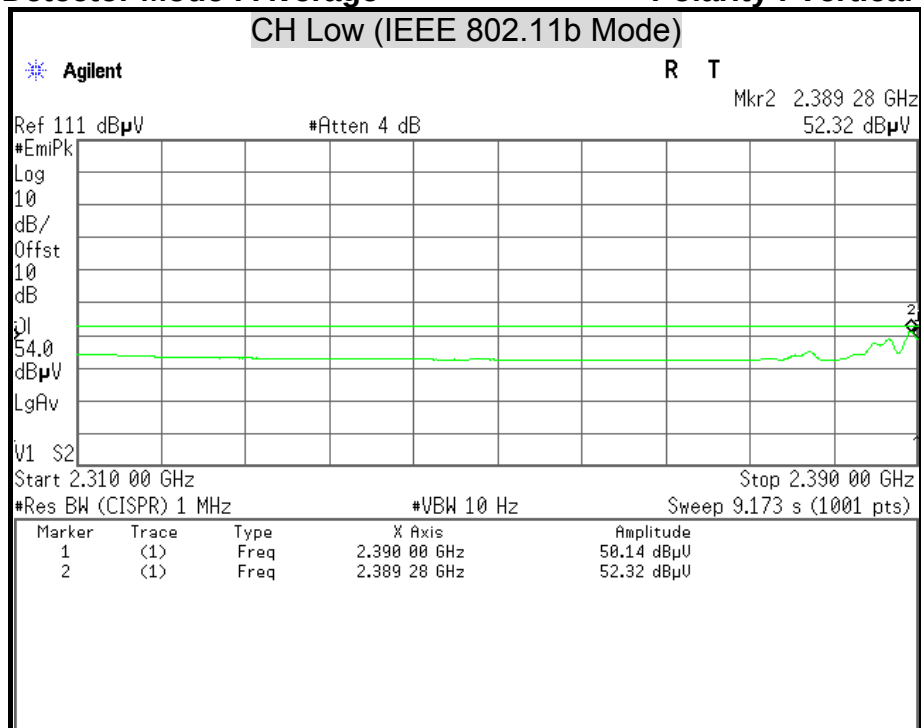
Detector Mode : Peak

Polarity : Vertical



Detector Mode : Average

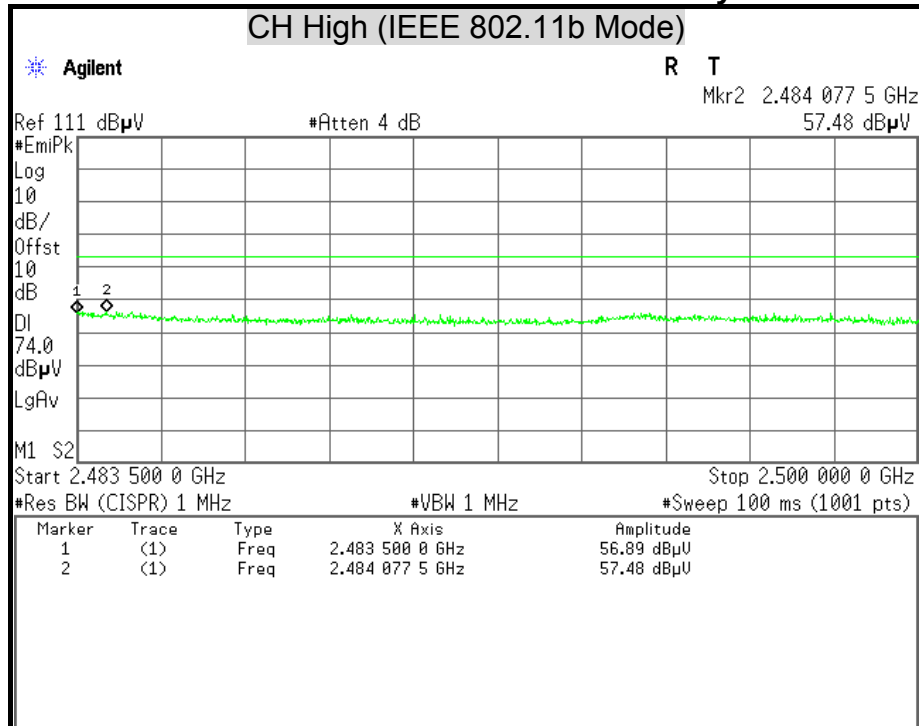
Polarity : Vertical





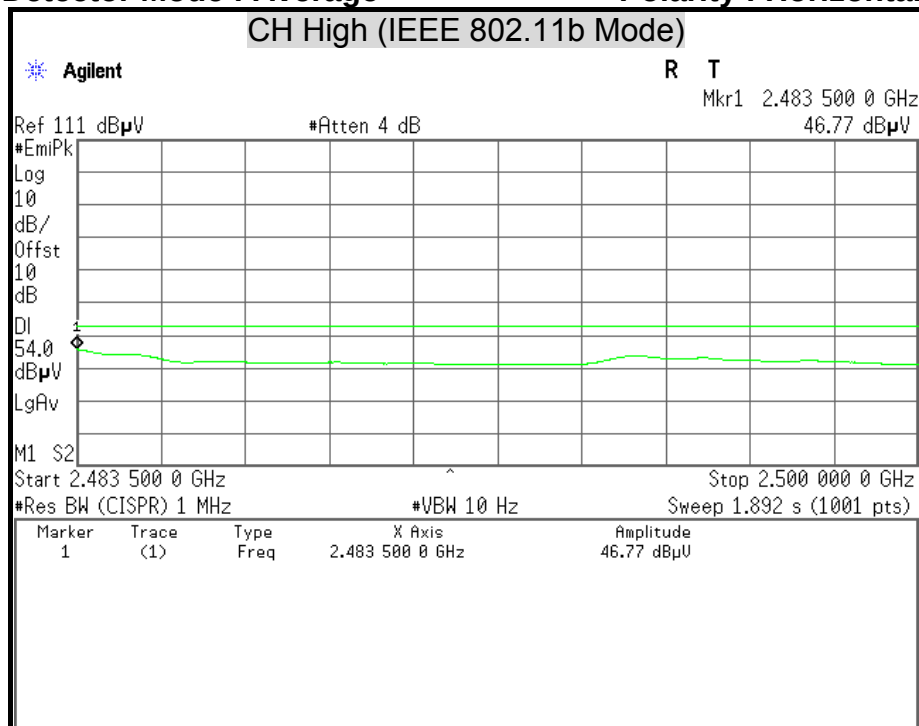
**Detector Mode : Peak**

**Polarity : Horizontal**



**Detector Mode : Average**

**Polarity : Horizontal**

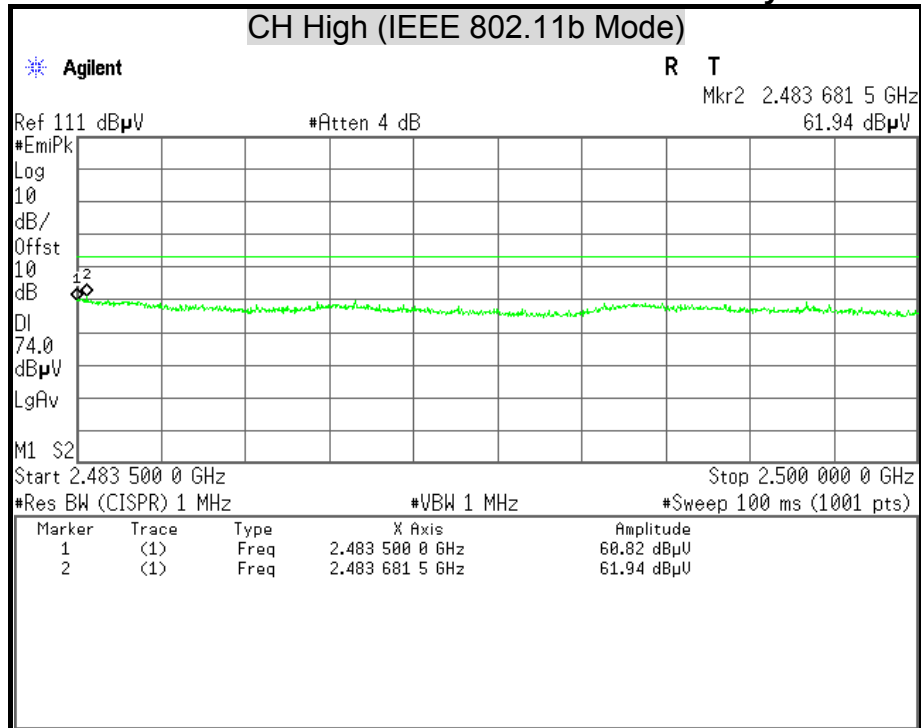






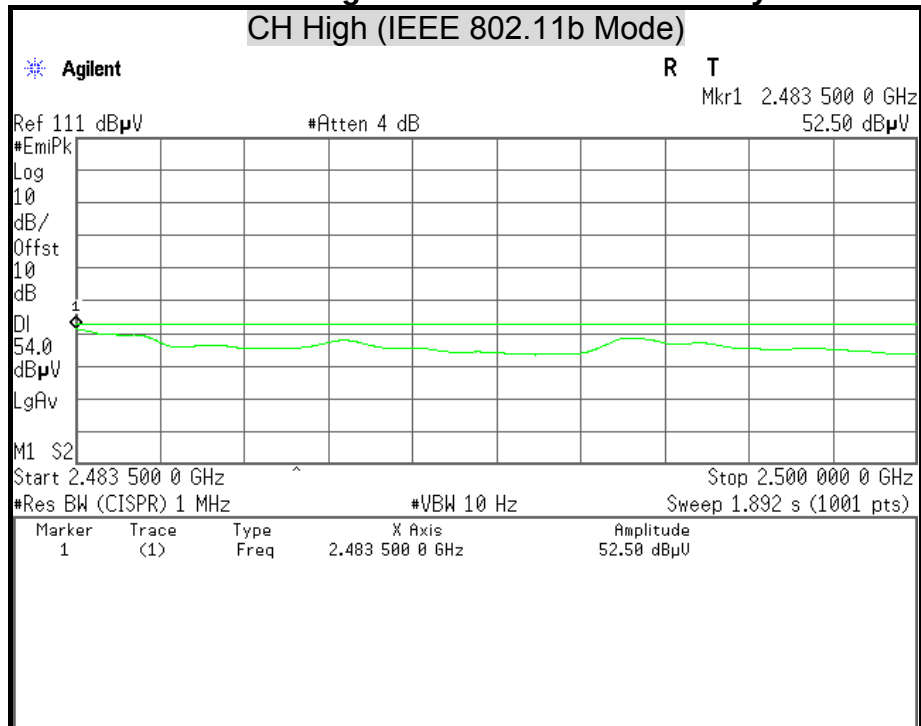
Detector Mode : Peak

Polarity : Vertical



Detector Mode : Average

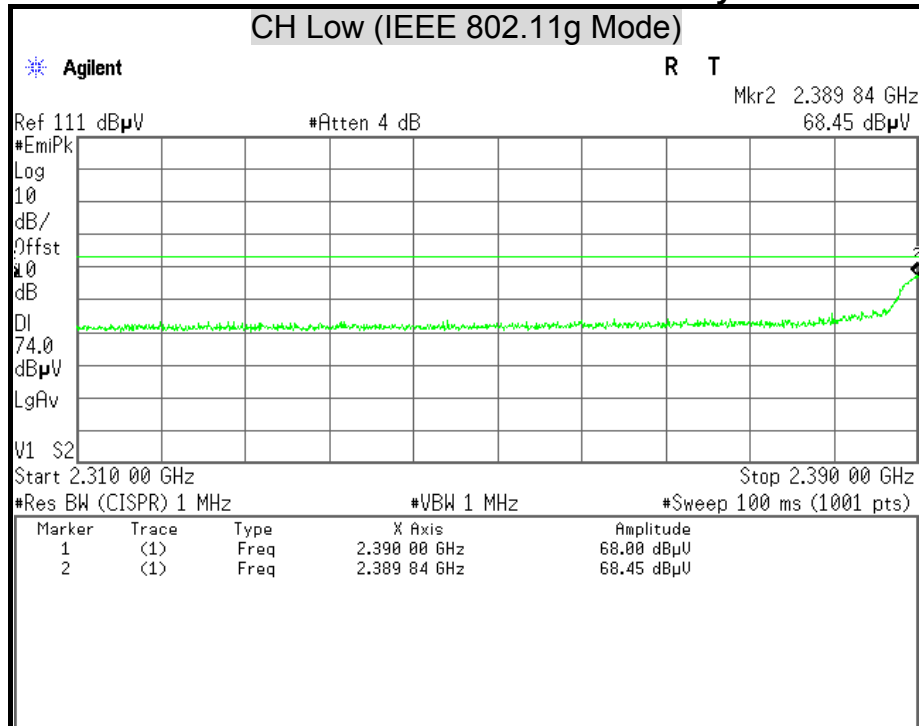
Polarity : Vertical





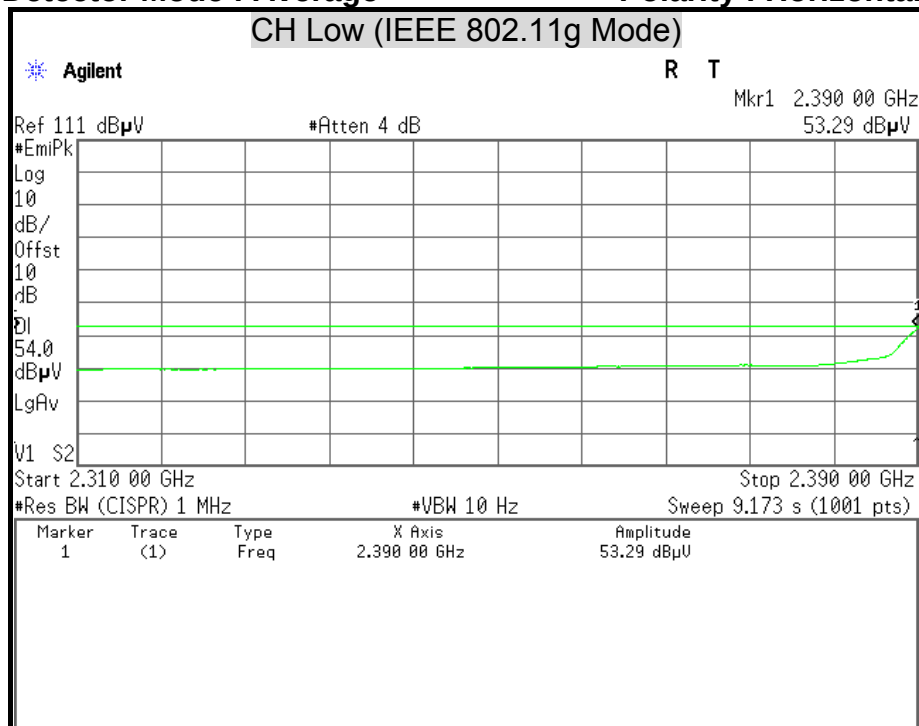
**Detector Mode : Peak**

**Polarity : Horizontal**



**Detector Mode : Average**

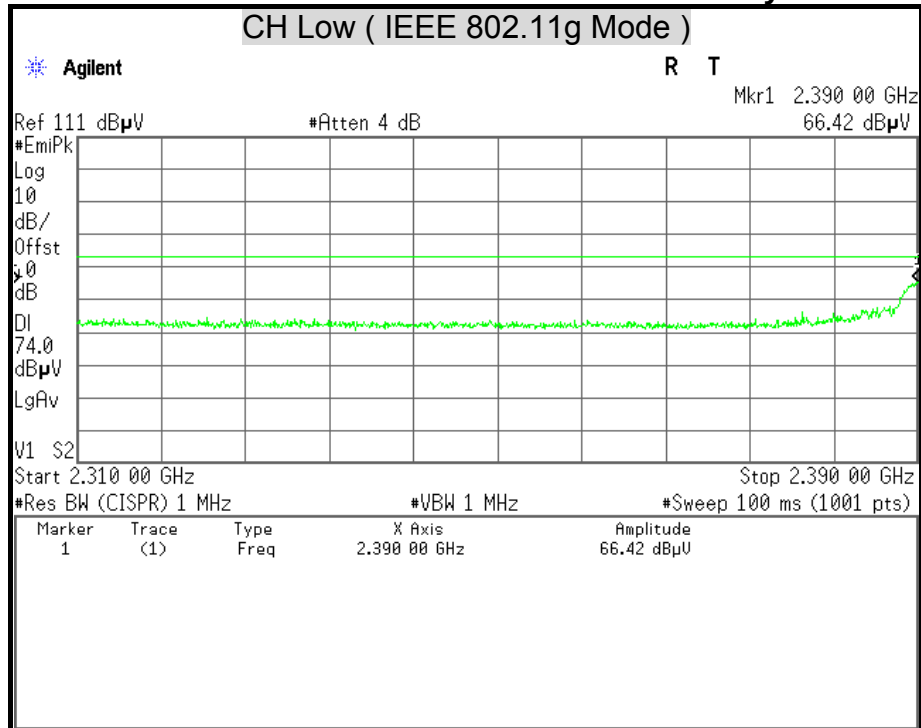
**Polarity : Horizontal**





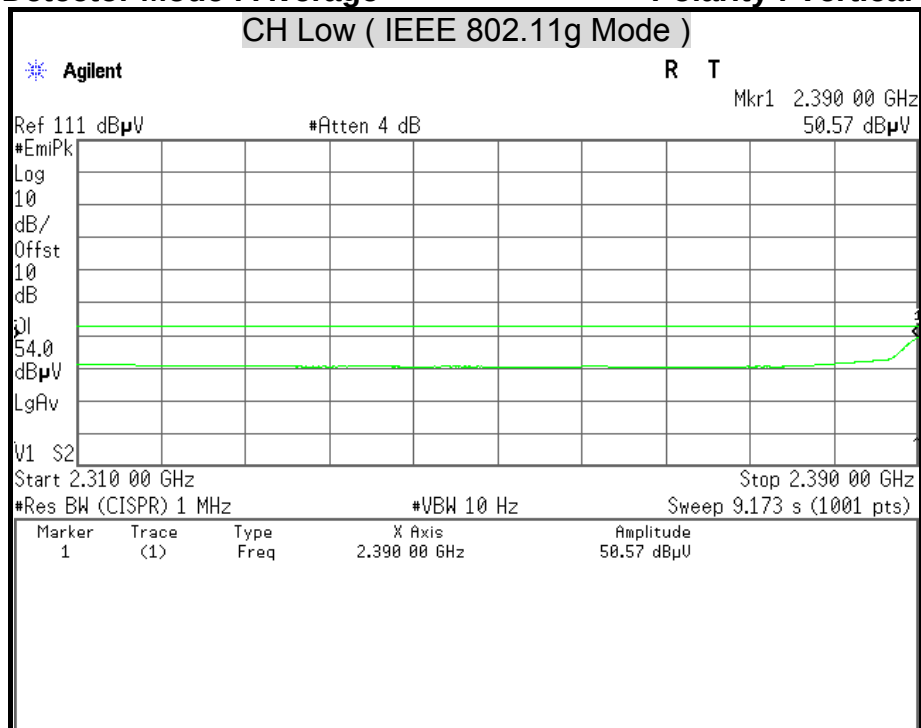
**Detector Mode : Peak**

**Polarity : Vertical**



**Detector Mode : Average**

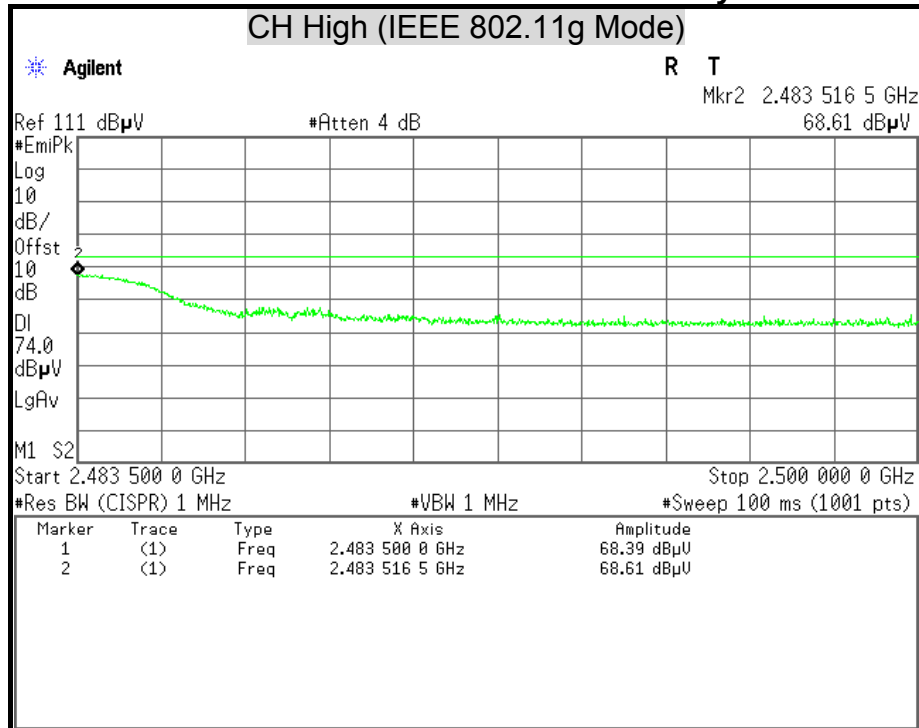
**Polarity : Vertical**





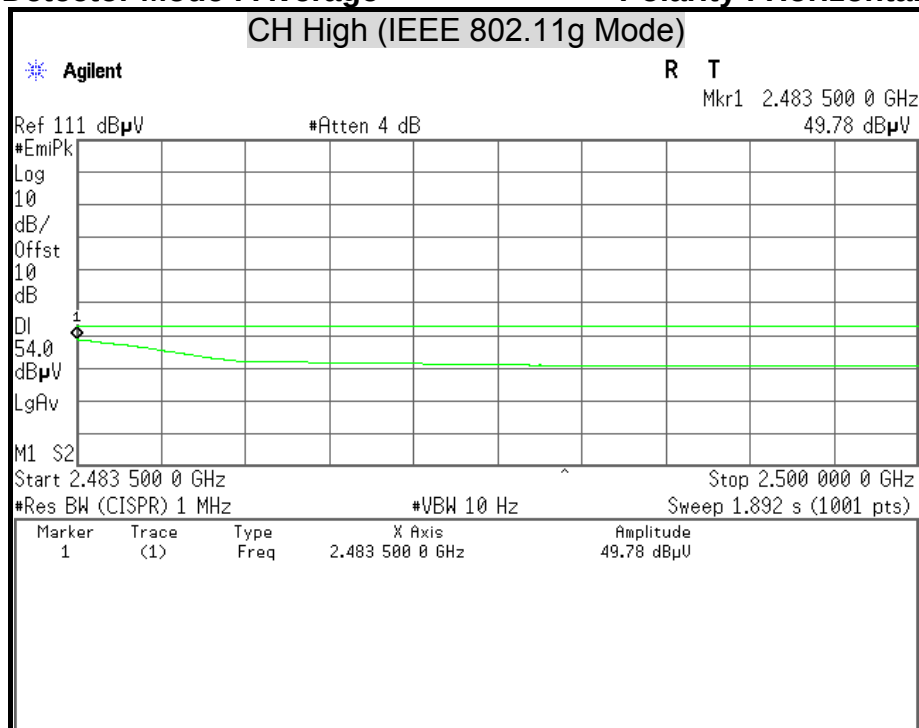
**Detector Mode : Peak**

**Polarity : Horizontal**



**Detector Mode : Average**

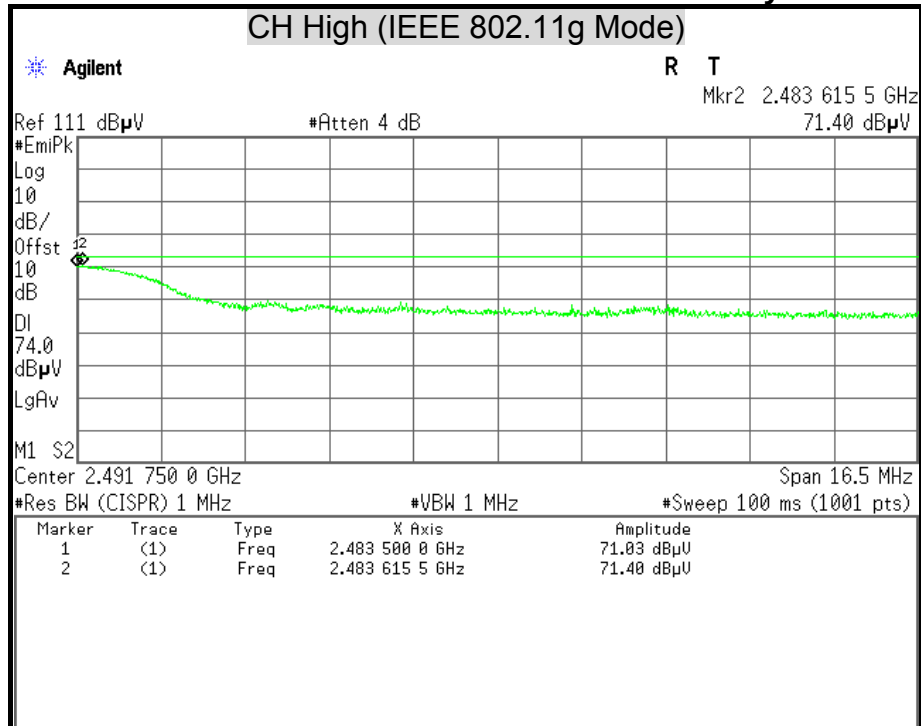
**Polarity : Horizontal**





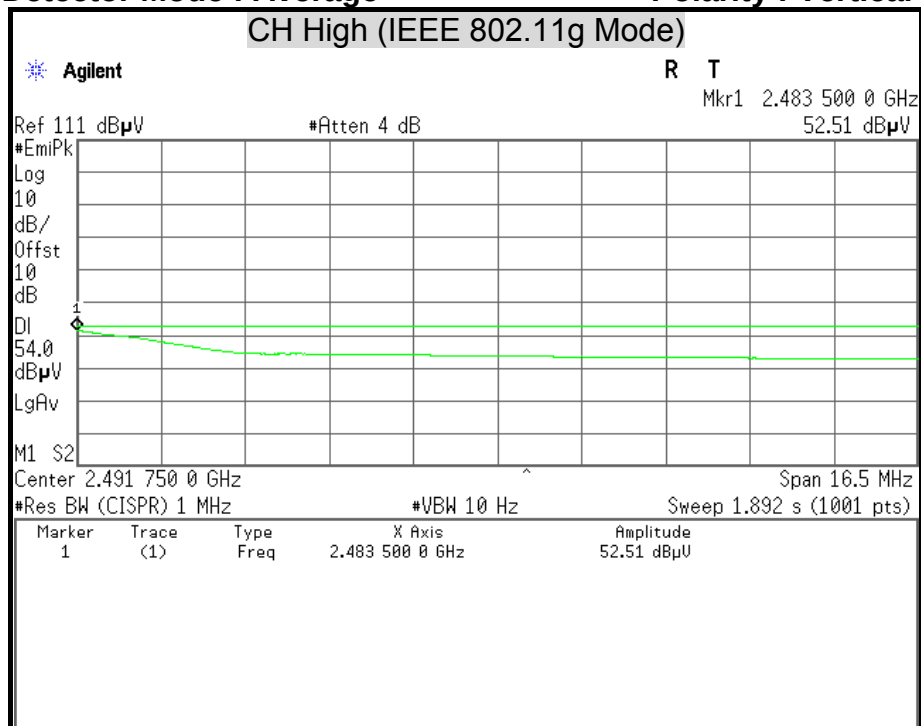
**Detector Mode : Peak**

**Polarity : Vertical**



**Detector Mode : Average**

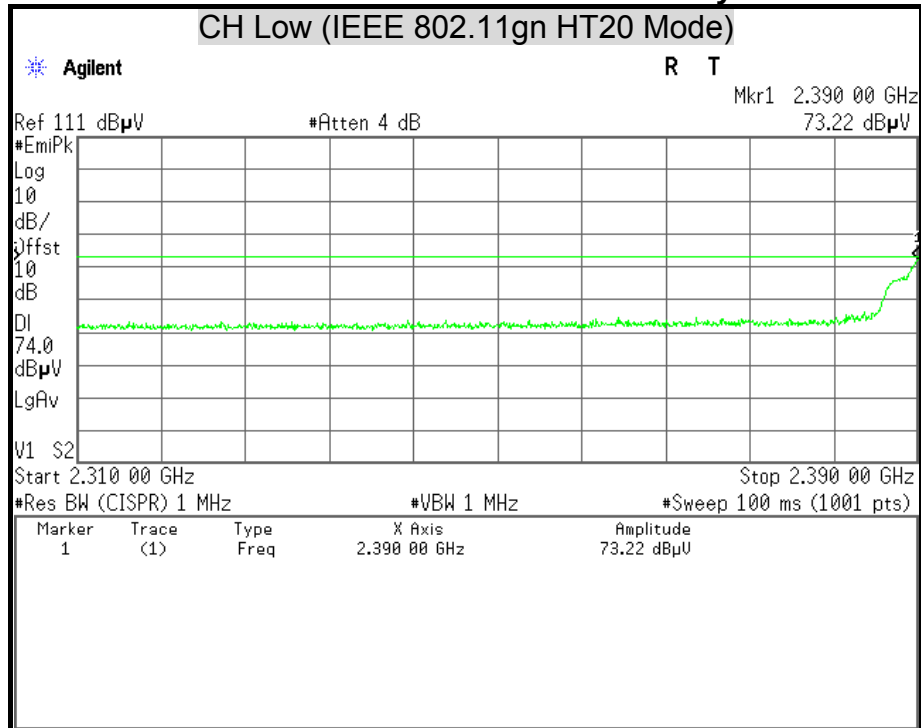
**Polarity : Vertical**





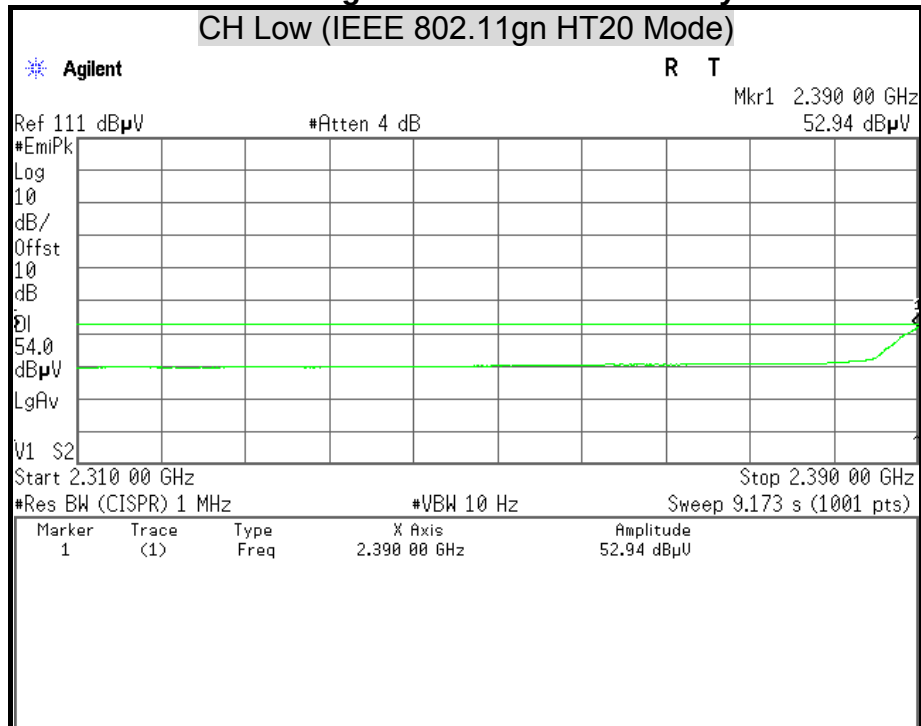
**Detector Mode : Peak**

**Polarity : Horizontal**



**Detector Mode : Average**

**Polarity : Horizontal**

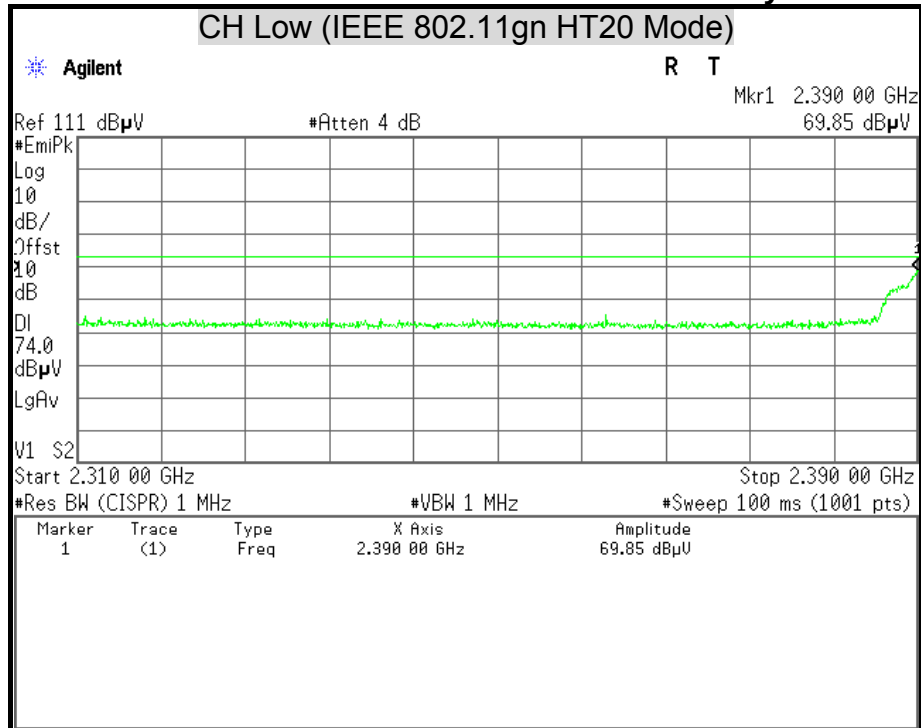






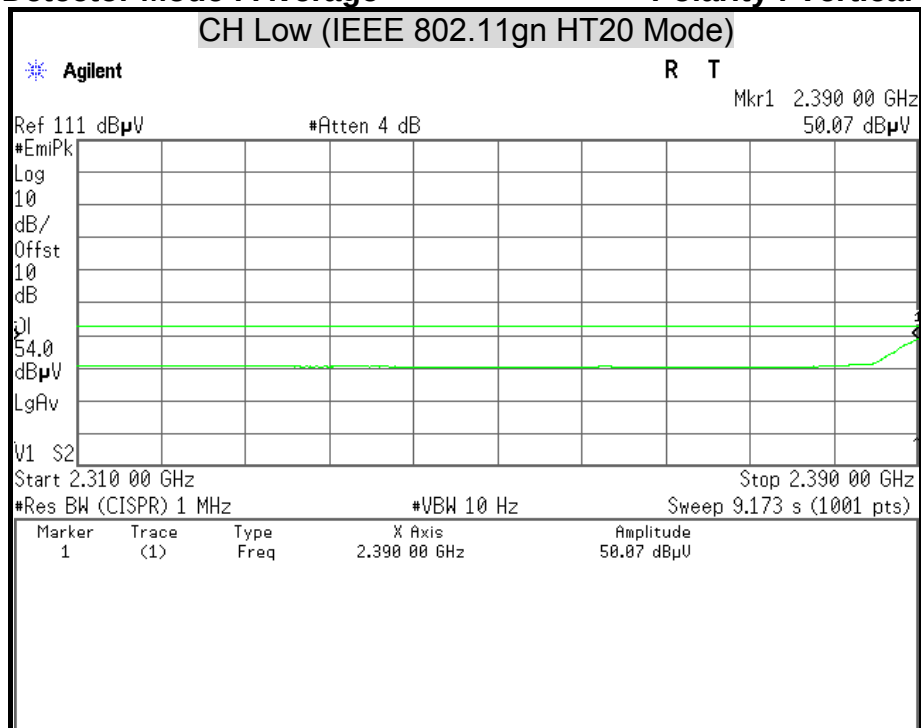
**Detector Mode : Peak**

**Polarity : Vertical**



**Detector Mode : Average**

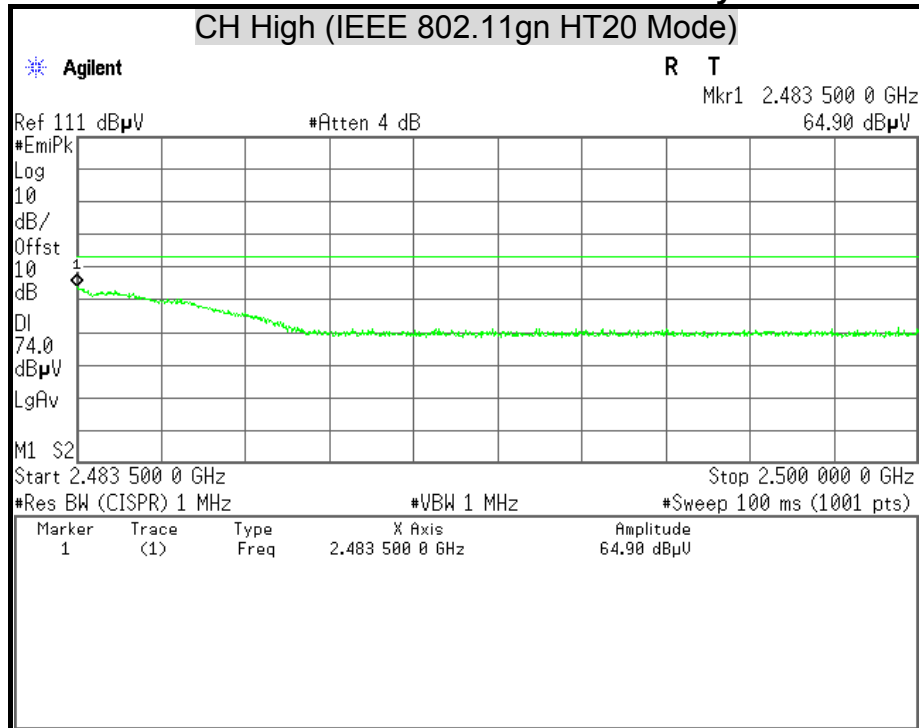
**Polarity : Vertical**





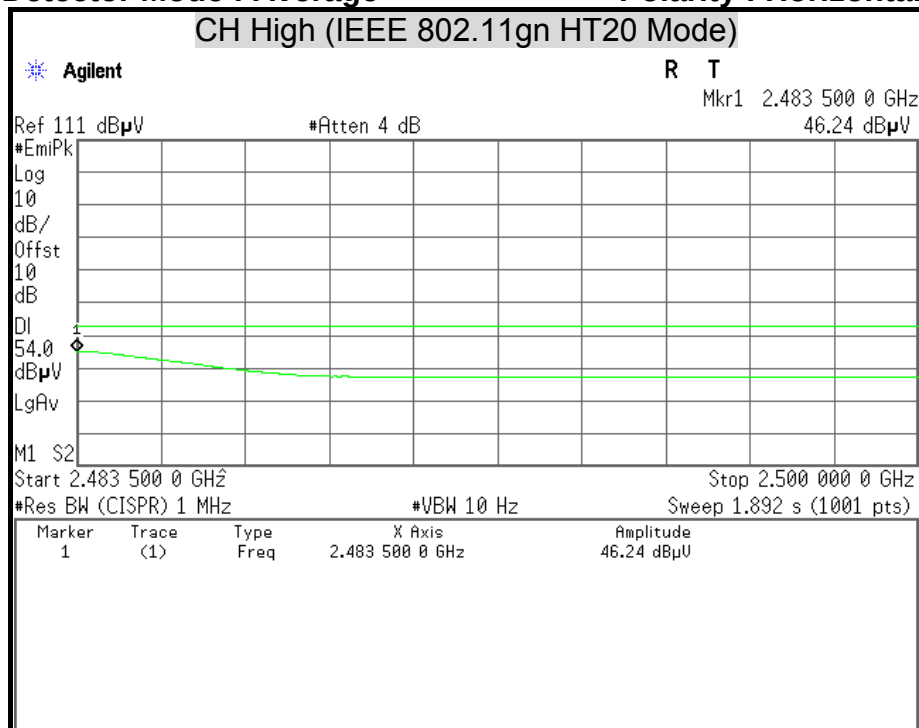
**Detector Mode : Peak**

**Polarity : Horizontal**



**Detector Mode : Average**

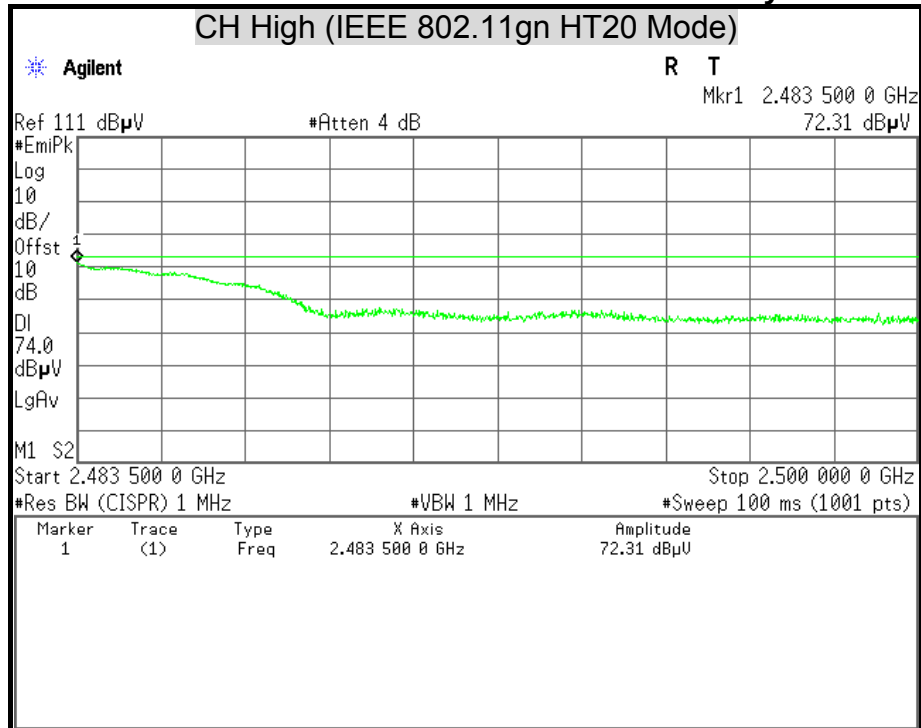
**Polarity : Horizontal**





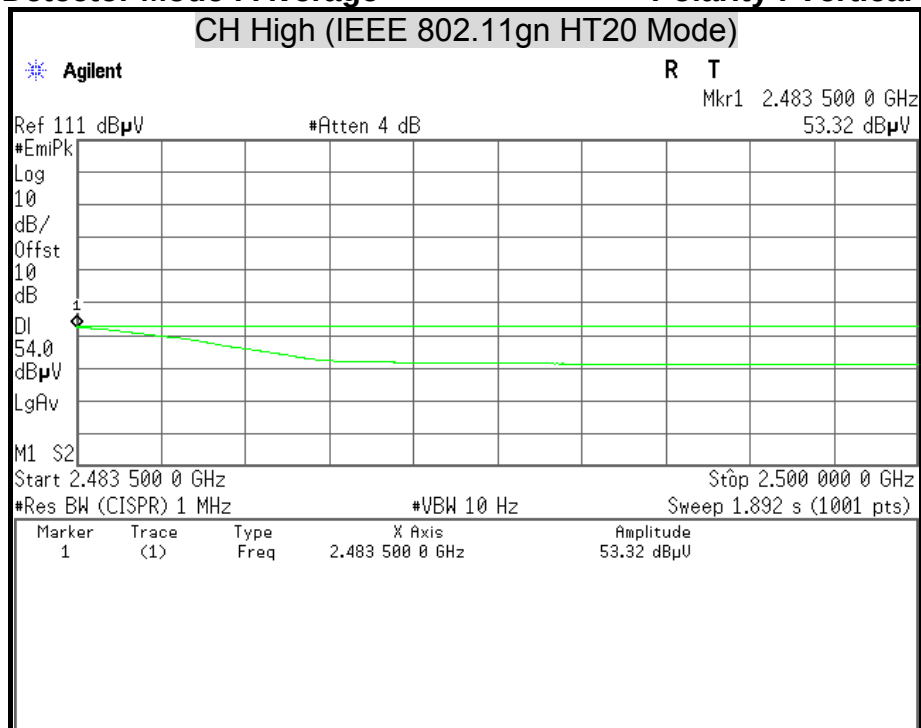
Detector Mode : Peak

Polarity : Vertical



Detector Mode : Average

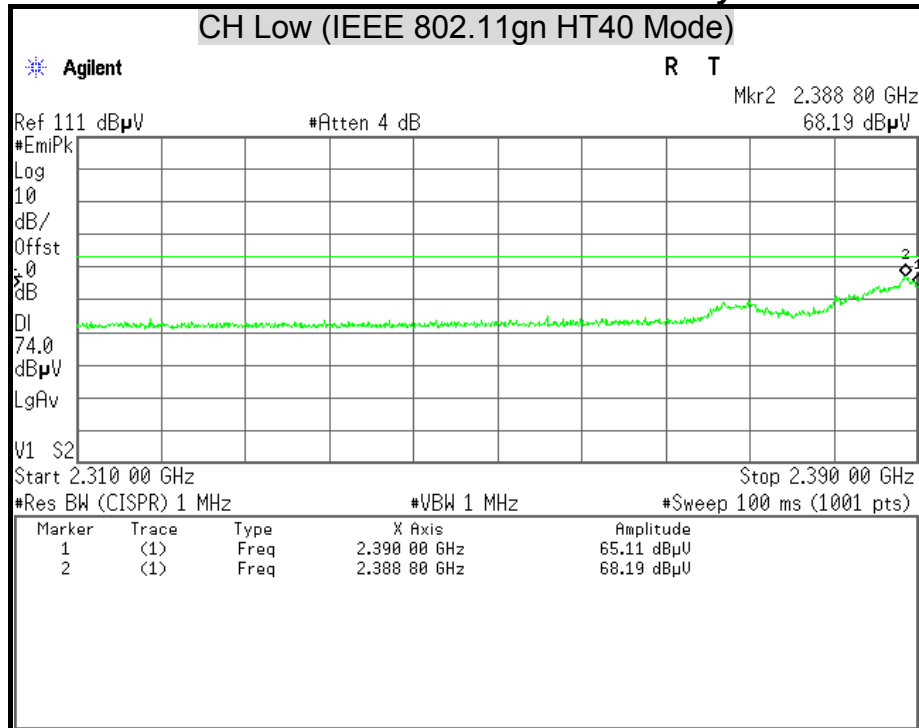
Polarity : Vertical





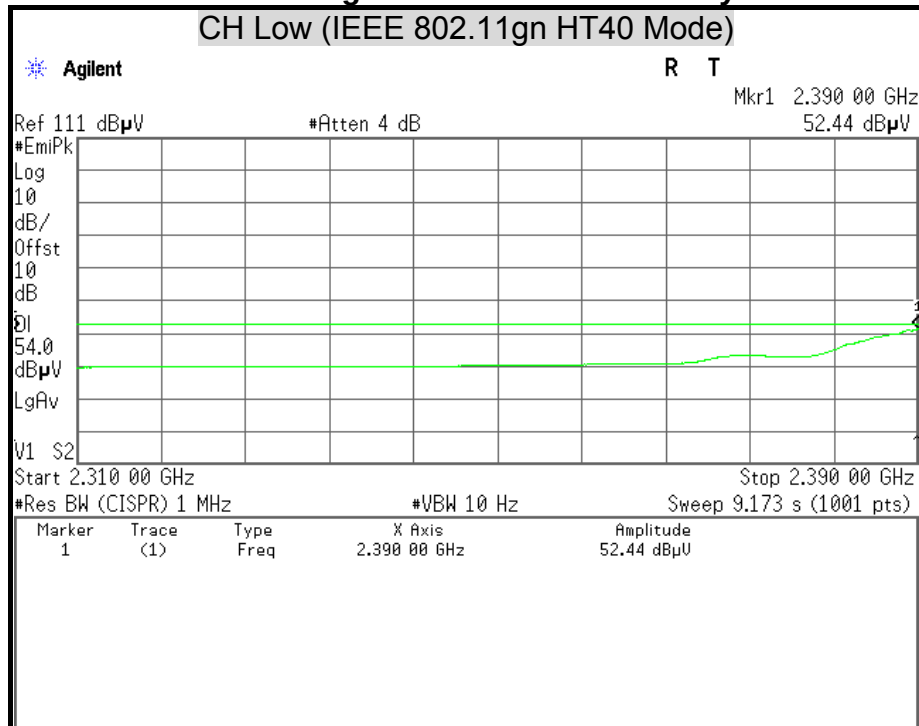
**Detector Mode : Peak**

**Polarity : Horizontal**



**Detector Mode : Average**

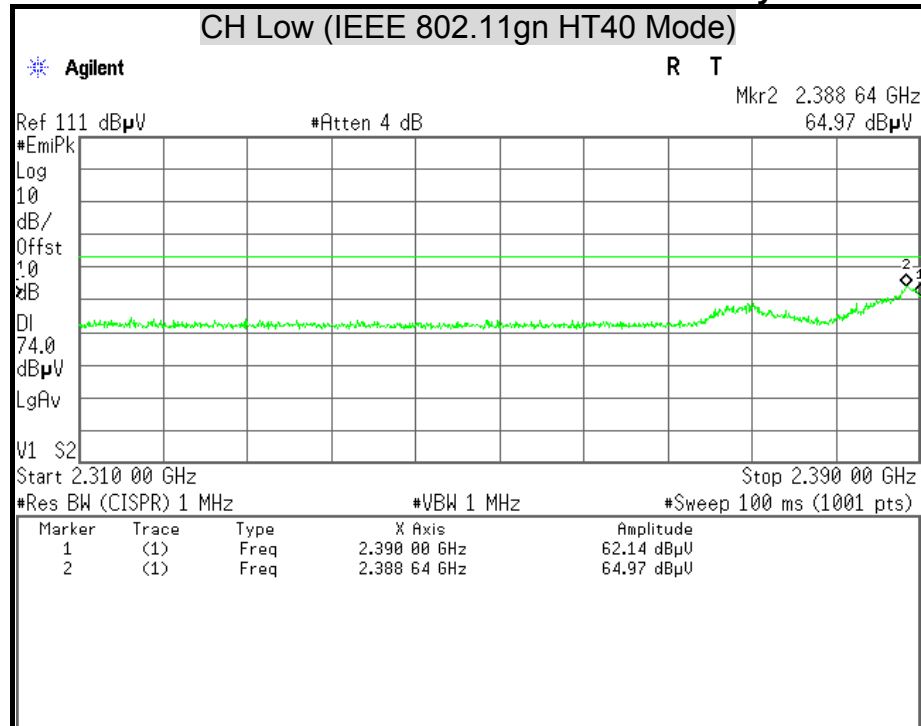
**Polarity : Horizontal**





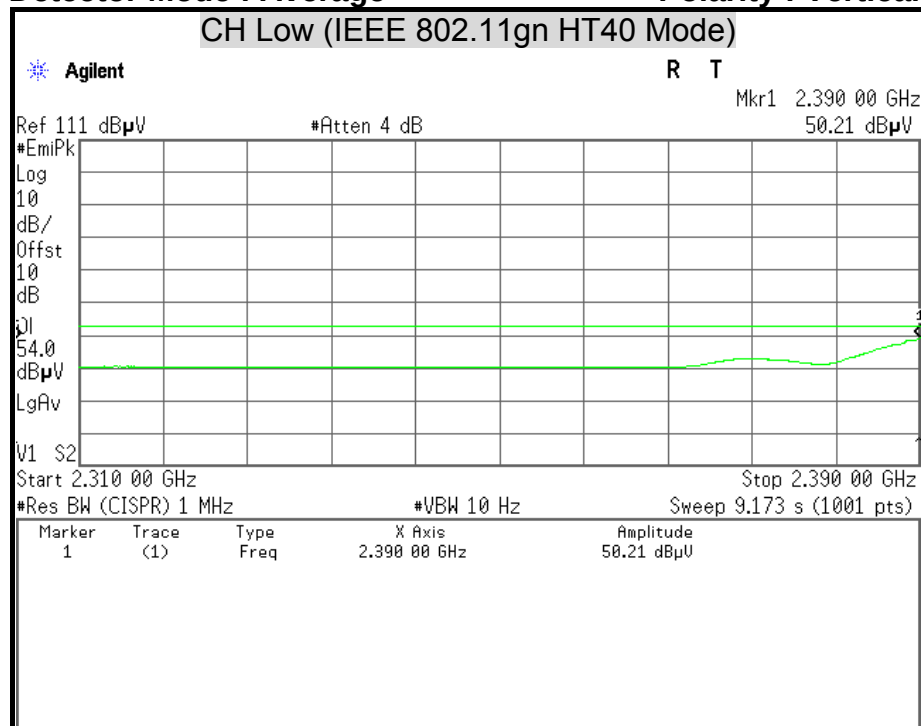
**Detector Mode : Peak**

**Polarity : Vertical**



**Detector Mode : Average**

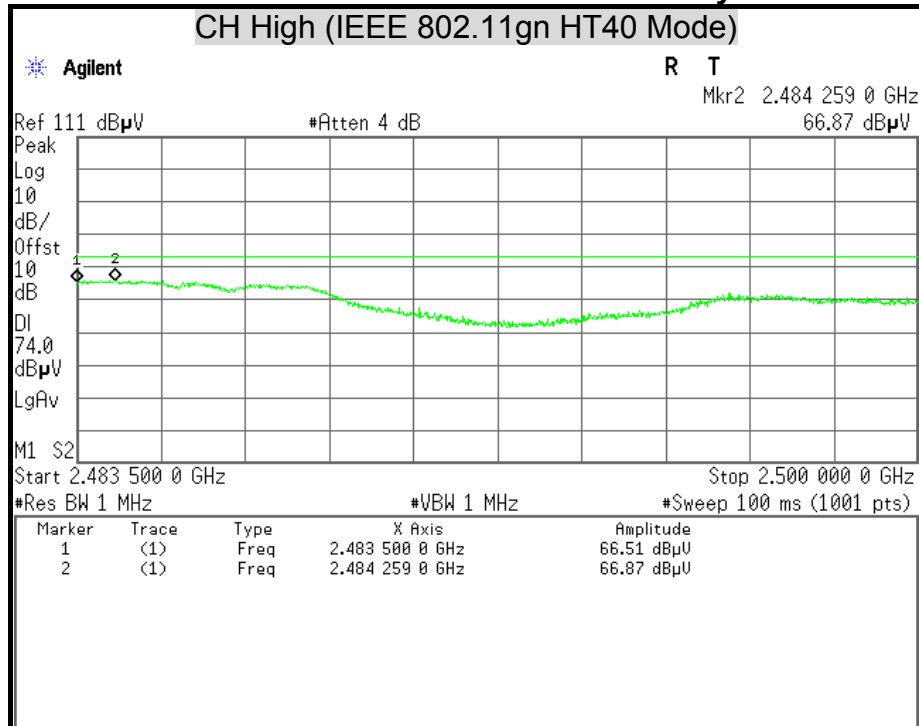
**Polarity : Vertical**





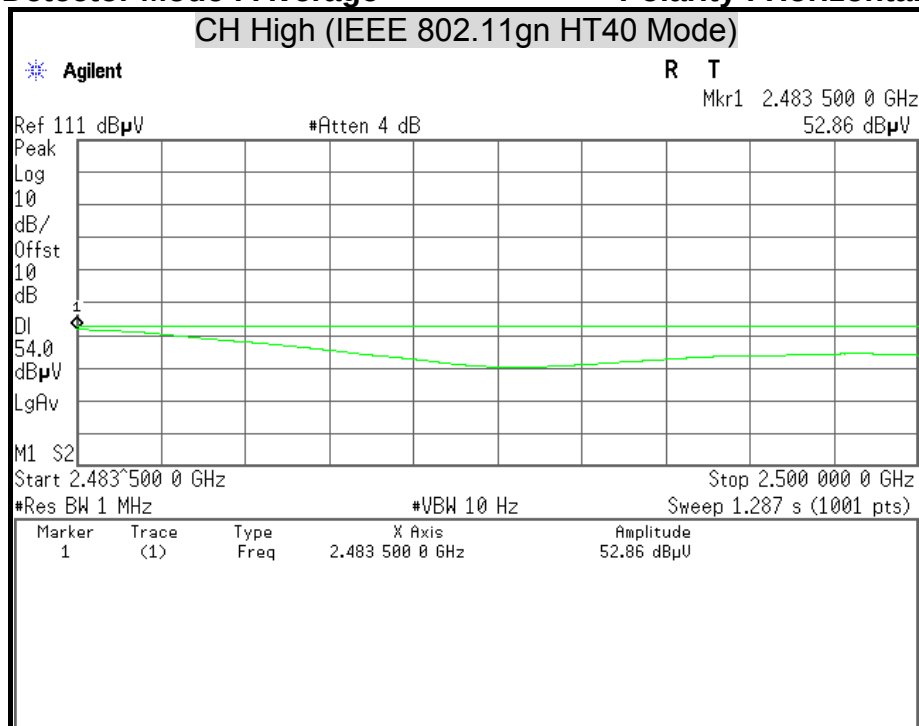
**Detector Mode : Peak**

**Polarity : Horizontal**



**Detector Mode : Average**

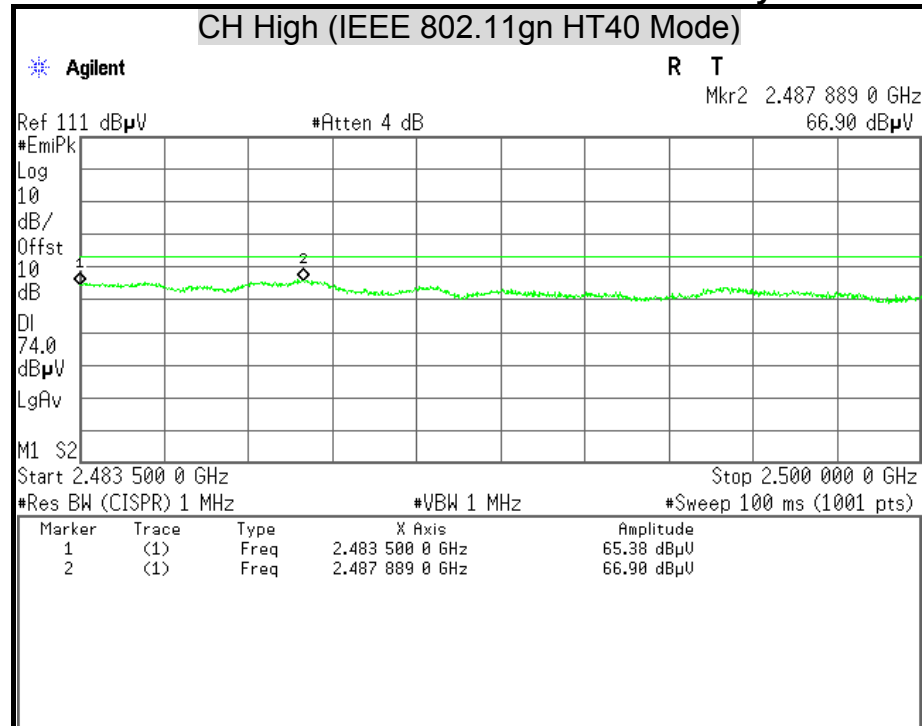
**Polarity : Horizontal**





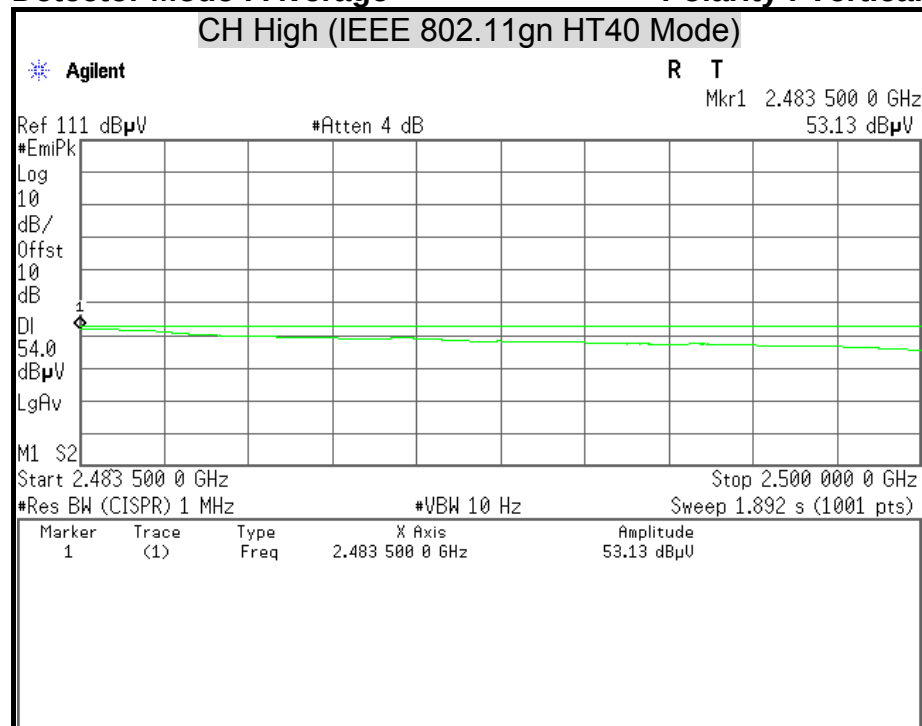
**Detector Mode : Peak**

**Polarity : Vertical**



**Detector Mode : Average**

**Polarity : Vertical**







## 7.7 CONDUCTED EMISSION

### LIMITS

§ 15.207 (a) Except as shown in paragraph (b) and (c) 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<br>(MHz) | Conducted Limit (dB $\mu$ v) |          |
|--------------------------|------------------------------|----------|
|                          | Quasi-peak                   | Average  |
| 0.15 - 0.50              | 66 - 56*                     | 56 - 46* |
| 0.50 - 5.00              | 56                           | 46       |
| 5.00 - 30.0              | 60                           | 50       |

**Remark:** \* Decreasing linearly with the logarithm of the frequency.

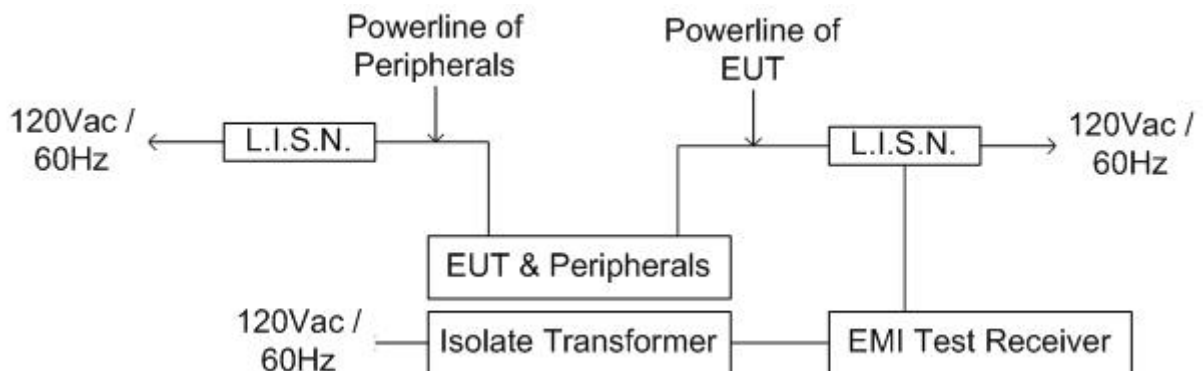
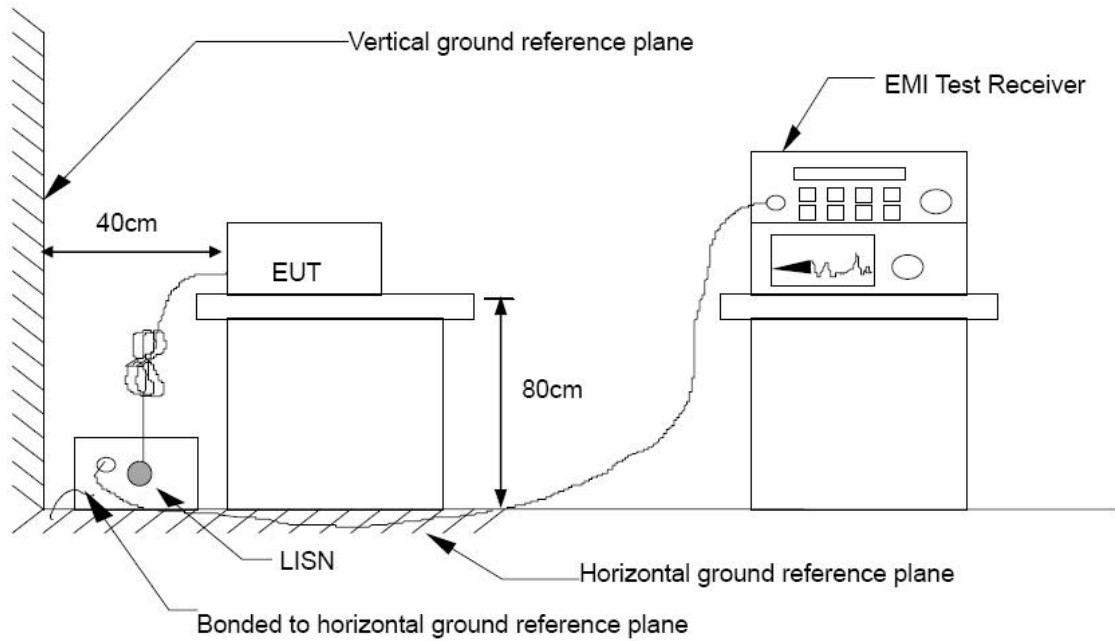
### TEST EQUIPMENT

| Name of Equipment | Manufacturer    | Model     | Serial Number | Calibration Due |
|-------------------|-----------------|-----------|---------------|-----------------|
| L.I.S.N           | SCHWARZBECK     | NSLK 8127 | 8127465       | 08/06/2015      |
| L.I.S.N           | SCHWARZBECK     | NSLK 8127 | 8127473       | 03/09/2016      |
| EMI Test Receiver | ROHDE & SCHWARZ | ESHS 30   | 838550/003    | 11/02/2015      |
| Pulse Limiter     | ROHDE & SCHWARZ | ESH3-Z2   | 100111        | 06/30/2015      |

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



## TEST SETUP





## **TEST PROCEDURE**

The basic test procedure was in accordance with ANSI C63.10:2013.

The test procedure is performed in a 4m × 3m × 2.4m (L×W×H) shielded room.

The EUT along with its peripherals were placed on a 1.0m (W) × 1.5m (L) and 0.8m in height wooden table and the EUT was adjusted to maintain a 0.4 meter space from a vertical reference plane.

The EUT was connected to power mains through a line impedance stabilization network (LISN) which provides 50 ohm coupling impedance for measuring instrument and the chassis ground was bounded to the horizontal ground plane of shielded room. All peripherals were connected to the second LISN and the chassis ground also bounded to the horizontal ground plane of shielded room.

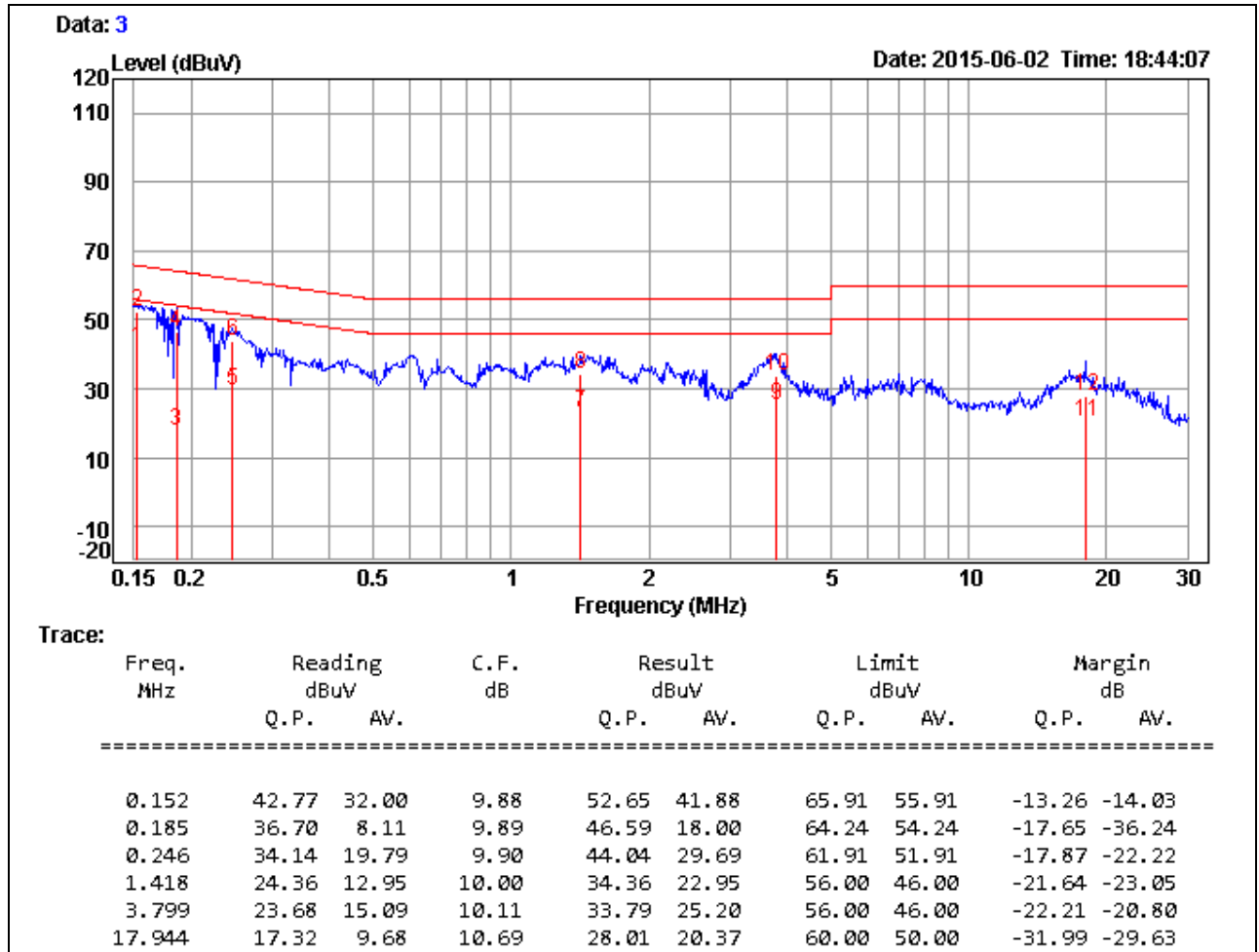
The EUT was located so that the distance between the boundary of the EUT and the closest surface of the LISN is 0.8 m. Where a mains flexible cord was provided by the manufacturer shall be 1 m long, or if in excess of 1 m, the excess cable was folded back and forth as far as possible so as to form a bundle not exceeding 0.4 m in length.



## TEST RESULTS

|              |                       |                  |             |
|--------------|-----------------------|------------------|-------------|
| Product Name | MoCA to WiFi extender | Test By          | Crystal Wu  |
| Test Model   | HT-EMN2               | Test Date        | 2015/06/02  |
| Test Mode    | Normal Operating      | Temp. & Humidity | 27.5°C, 54% |

## LINE



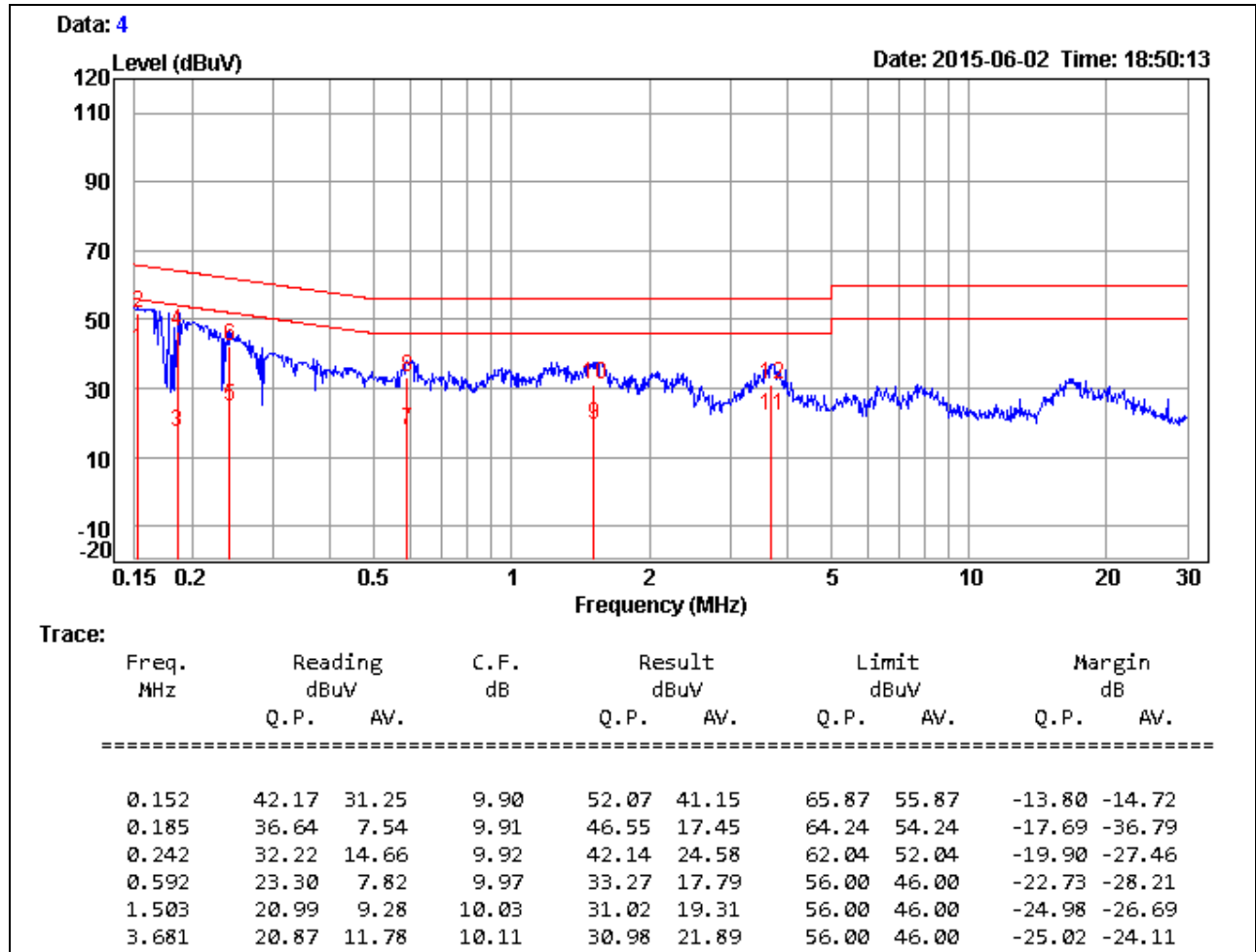
### Remark:

1. Correction Factor = Insertion loss + Cable loss
2. Emission level = Reading Value + Correction factor
3. Margin value = Emission level – Limit value



|              |                       |                  |              |
|--------------|-----------------------|------------------|--------------|
| Product Name | MoCA to WiFi extender | Test By          | Crystal Wu   |
| Test Model   | HT-EMN2               | Test Date        | 2015/06/02   |
| Test Mode    | Normal Operating      | Temp. & Humidity | 27.5 °C, 54% |

## NEUTRAL



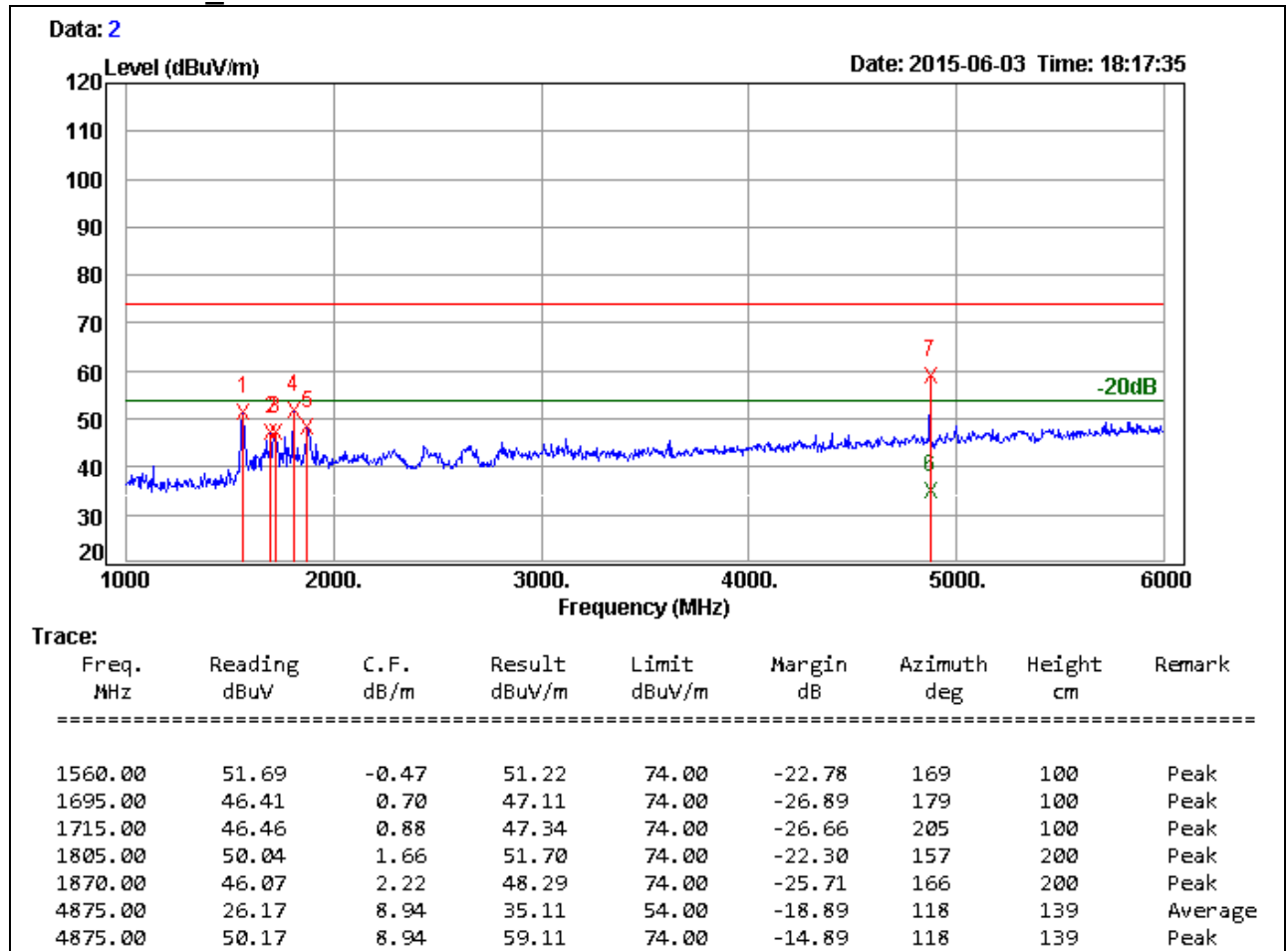
### Remark:

1. Correction Factor = Insertion loss + Cable loss
2. Emission level = Reading Value + Correction factor
3. Margin value = Emission level – Limit value

**APPENDIX I CO-LOCATION**

|                     |                       |                             |            |
|---------------------|-----------------------|-----------------------------|------------|
| <b>Product Name</b> | MoCA to WiFi extender | <b>Test By</b>              | Crystal Wu |
| <b>Test Model</b>   | HT-EMN2               | <b>Test Date</b>            | 2015/06/03 |
| <b>Test Mode</b>    | Normal Operating      | <b>Temp. &amp; Humidity</b> | 25°C, 57%  |

966 Chamber\_C at 3Meter / Horizontal

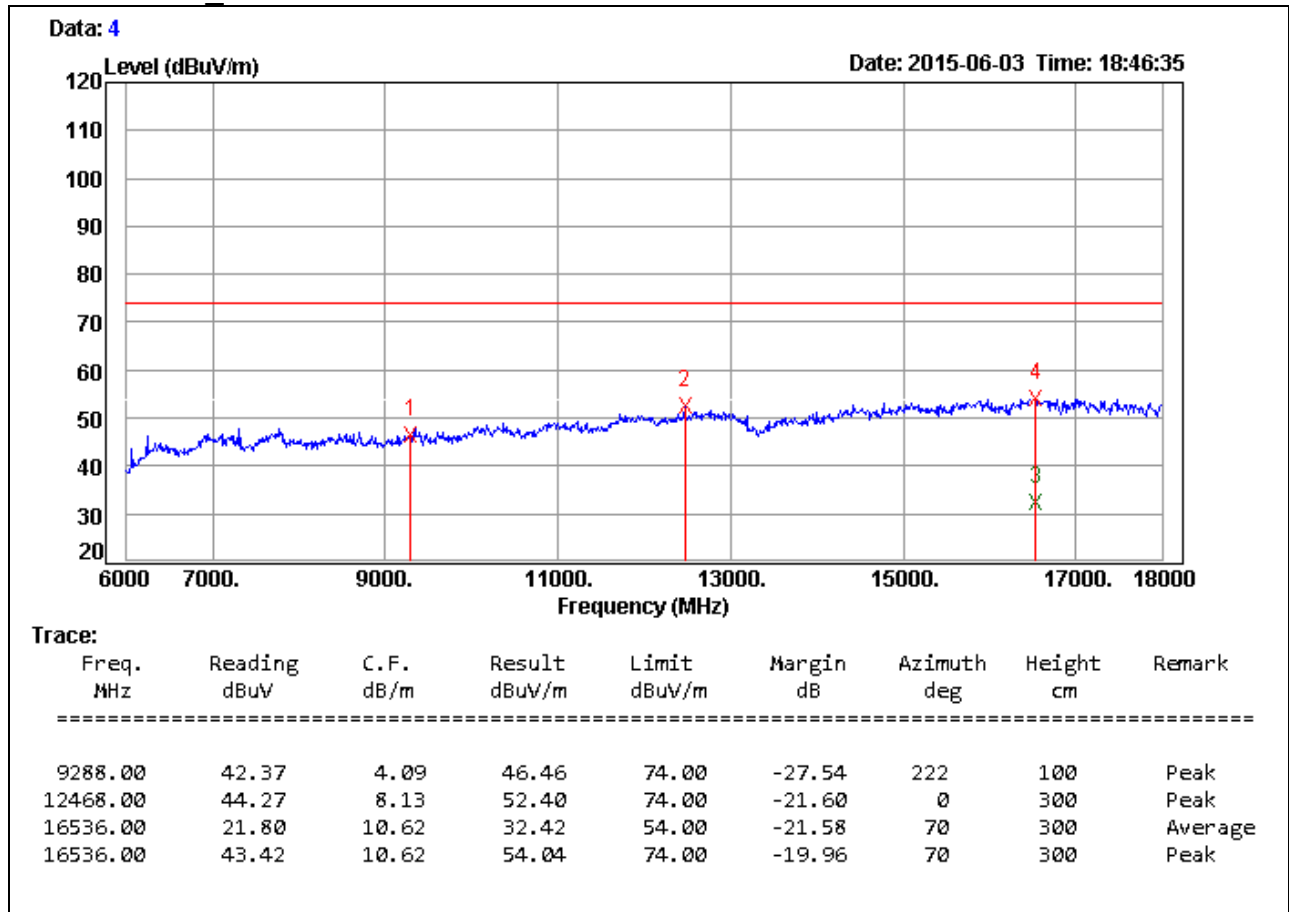
**Remark:**

1. Average test would be performed if the peak result were greater than the average limit.
3. 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.
3. Result = Reading + Correction Factor  
Margin = Result - Limit  
Remark Peak = Result(PK) - Limit(PK)  
Remark AVG = Result(AV) - Limit(AV)



|              |                       |                  |            |
|--------------|-----------------------|------------------|------------|
| Product Name | MoCA to WiFi extender | Test By          | Crystal Wu |
| Test Model   | HT-EMN2               | Test Date        | 2015/06/03 |
| Test Mode    | Normal Operating      | Temp. & Humidity | 25°C, 57%  |

## 966 Chamber\_C at 3Meter / Horizontal



### Remark:

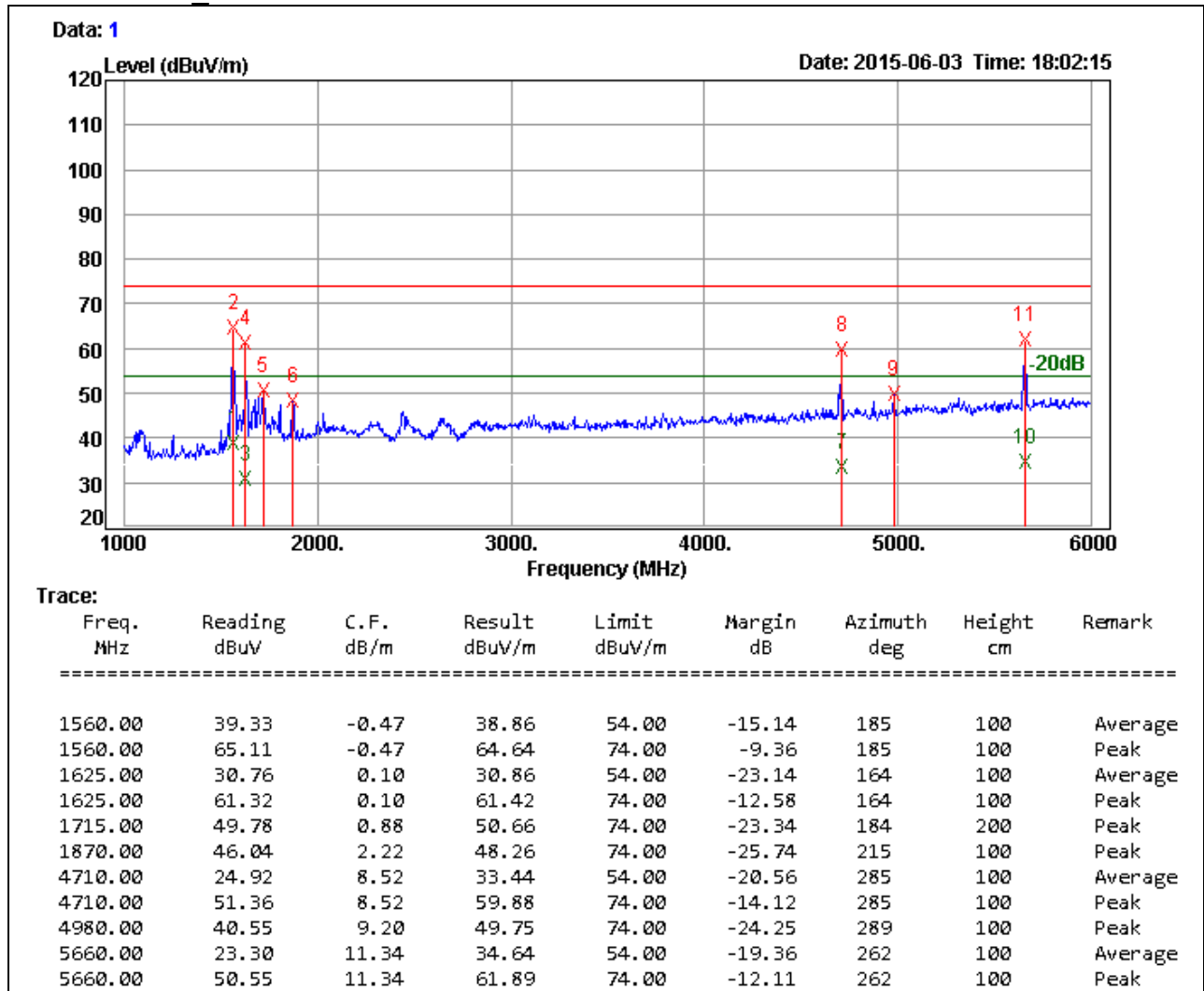
1. Average test would be performed if the peak result were greater than the average limit.
3. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Result = Reading + Correction Factor  
Margin = Result - Limit  
Remark Peak = Result(PK) - Limit(PK)  
Remark AVG = Result(AV) - Limit(AV)





|              |                       |                  |            |
|--------------|-----------------------|------------------|------------|
| Product Name | MoCA to WiFi extender | Test By          | Crystal Wu |
| Test Model   | HT-EMN2               | Test Date        | 2015/06/03 |
| Test Mode    | Normal Operating      | Temp. & Humidity | 25°C, 57%  |

## 966 Chamber\_C at 3Meter / Vertical



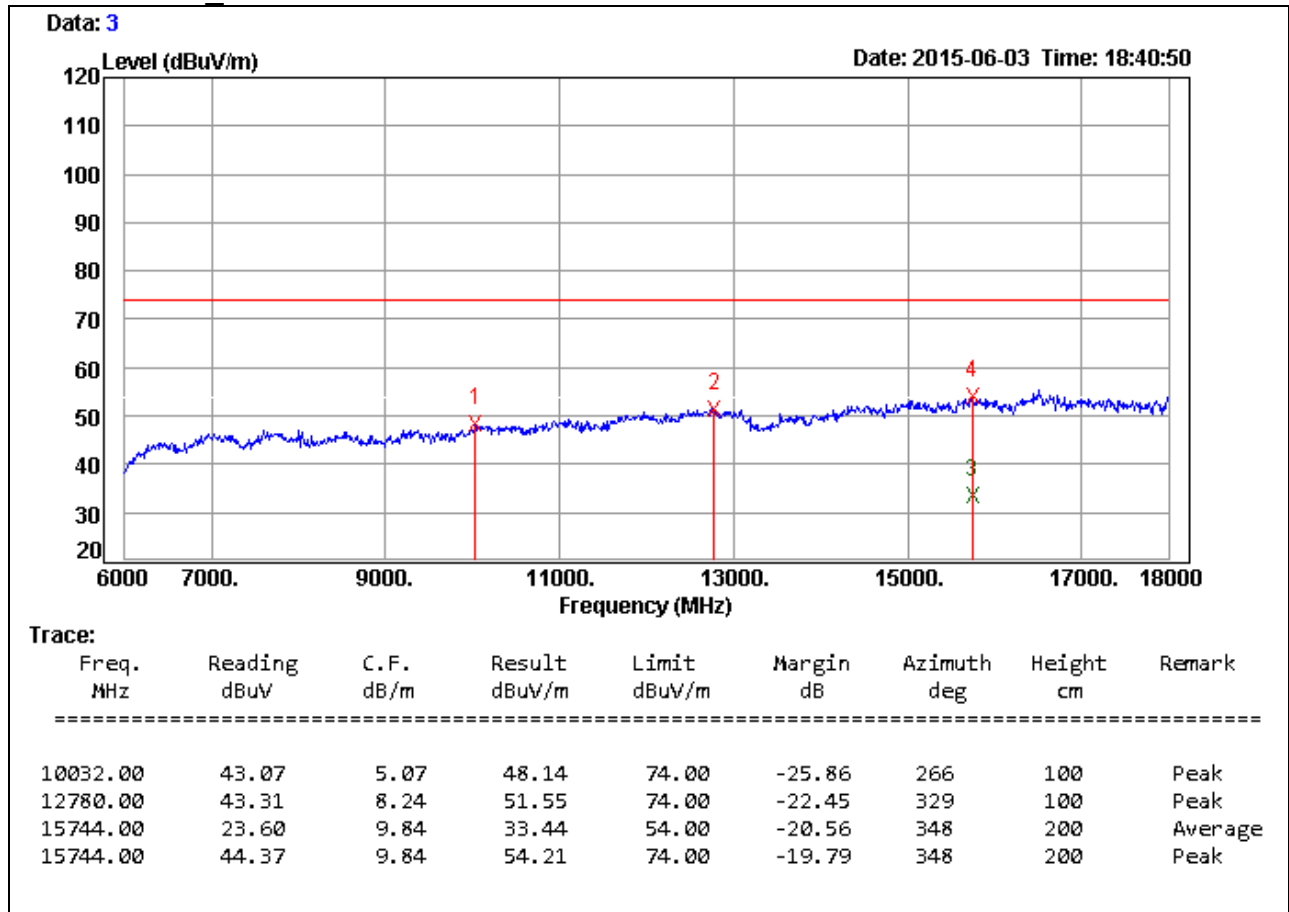
### Remark:

1. Average test would be performed if the peak result were greater than the average limit.
3. 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.
3. Result = Reading + Correction Factor  
Margin = Result - Limit  
Remark Peak = Result(PK) - Limit(PK)  
Remark AVG = Result(AV) - Limit(AV)



|              |                       |                  |            |
|--------------|-----------------------|------------------|------------|
| Product Name | MoCA to WiFi extender | Test By          | Crystal Wu |
| Test Model   | HT-EMN2               | Test Date        | 2015/06/03 |
| Test Mode    | Normal Operating      | Temp. & Humidity | 25°C, 57%  |

## 966 Chamber\_C at 3Meter / Vertical



### Remark:

1. Average test would be performed if the peak result were greater than the average limit.
3. 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.
3. Result = Reading + Correction Factor  
Margin = Result - Limit  
Remark Peak = Result(PK) - Limit(PK)  
Remark AVG = Result(AV) - Limit(AV)