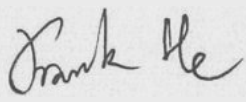
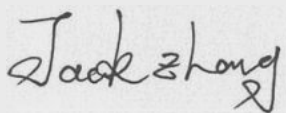




Test report No:  
20B0117R-RF-US-P06V01

## FCC TEST REPORT

|                                                |                                                                                                                                                                                         |
|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name                                   | Wireless Access Point                                                                                                                                                                   |
| Trademark                                      | Extreme Networks                                                                                                                                                                        |
| Model and /or type reference                   | AP510CX                                                                                                                                                                                 |
| Applicant's name / address                     | Extreme Networks, Inc.<br>Extreme Networks, 6480 Via Del Oro / San Jose, CA 95119<br>U.S.A.                                                                                             |
| Test method requested, standard                | FCC CFR Title 47 Part 15 Subpart C Section 15.247<br>ANSI C63.10: 2013<br>KDB558074 D01v05r02<br>KDB 662911 D01 Multiple Transmitter Output v02r01<br>RSS-Gen Issue 5 / RSS-247 Issue 2 |
| Verdict Summary                                | IN COMPLIANCE                                                                                                                                                                           |
| Documented By<br>(name / position & signature) | Tim Cao/Project Engineer<br>                                                                        |
| Reviewed by (name / position & signature)      | Frank He/ Technical Supervisor<br>                                                                  |
| Approved by (name / position & signature)      | Jack Zhang/ Supervisor<br>                                                                          |
| Date of issue                                  | 2021-04-07                                                                                                                                                                              |
| Report Version                                 | V2.0                                                                                                                                                                                    |
| Report template No                             | Template_FCC Part 15C-RF-V1.0                                                                                                                                                           |

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## COMPETENCES AND GUARANTEES

DEKRA is a testing laboratory competent to carry out the tests described in this report.

In order to assure the traceability to other national and international laboratories, DEKRA has a calibration and maintenance program for its measurement equipment.

DEKRA guarantees the reliability of the data presented in this report, which is the result of the measurements and the tests performed to the item under test on the date and under the conditions stated in the report and it is based on the knowledge and technical facilities available at DEKRA at the time of performance of the test.

DEKRA is liable to the client for the maintenance of the confidentiality of all information related to the item under test and the results of the test.

The results presented in this Test Report apply only to the particular item under test established in this document.

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## GENERAL CONDITIONS

|                      |                                                                        |
|----------------------|------------------------------------------------------------------------|
| Test Location        | No. 99, Hongye Road, Suzhou Industrial Park Suzhou, 215006, P.R. China |
| Date(receive sample) | Nov. 04, 2020                                                          |
| Date (start test)    | Nov. 21, 2020                                                          |
| Date (finish test)   | Mar. 31, 2021                                                          |

1. This report is only referred to the item that has undergone the test.
2. This report does not constitute or imply on its own an approval of the product by the Certification Bodies or Competent Authorities.
3. This document is only valid if complete; no partial reproduction can be made without previous written permission of DEKRA.
4. This test report cannot be used partially or in full for publicity and/or promotional purposes without previous written permission of DEKRA.

## ENVIRONMENTAL CONDITIONS

The climatic conditions during the tests are within the limits specified by the manufacturer for the operation of the EUT and the test equipment. The climatic conditions during the tests were within the following limits:

|                       |               |
|-----------------------|---------------|
| Ambient temperature   | 15 °C – 35 °C |
| Relative Humidity air | 30% - 60%     |

If explicitly required in the basic standard or applied product / product family standard the climatic values are recorded and documented separately in this test report.

## POSSIBLE TEST CASE VERDICTS

|                                         |                 |
|-----------------------------------------|-----------------|
| Test case does not apply to test object | N/A             |
| Test object does meet requirement       | P (Pass) / PASS |
| Test object does not meet requirement   | F (Fail) / FAIL |
| Not measured                            | N/M             |

## ABBREVIATIONS

For the purposes of the present document, the following abbreviations apply:

|       |                               |
|-------|-------------------------------|
| EUT   | : Equipment Under Test        |
| QP    | : Quasi-Peak                  |
| CAV   | : CISPR Average               |
| AV    | : Average                     |
| CDN   | : Coupling Decoupling Network |
| SAC   | : Semi-Anechoic Chamber       |
| OATS  | : Open Area Test Site         |
| BW    | : Bandwidth                   |
| AM    | : Amplitude Modulation        |
| PM    | : Pulse Modulation            |
| HCP   | : Horizontal Coupling Plane   |
| VCP   | : Vertical Coupling Plane     |
| $U_N$ | : Nominal voltage             |
| $T_x$ | : Transmitter                 |
| $R_x$ | : Receiver                    |
| N/A   | : Not Applicable              |
| N/M   | : Not Measured                |

## DOCUMENT HISTORY

| Report No.            | Version | Description                                                                                                                                                                                                                      | Issued Date |
|-----------------------|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| 20B0117R-RF-US-P06V01 | V1.0    | Initial issue of report.                                                                                                                                                                                                         | 2021-01-25  |
| 20B0117R-RF-US-P06V01 | V1.1    | Page 10:Update operating frequency range.<br>(The test report No.: 20B0117R-RF-US-P06V01 V1.1 is to place the test report No.: 20B0117R-RF-US-P06V01 V1.0, and test report 20B0117R-RF-US-P06V01 V1.0 is obsoleted.)             | 2021-03-12  |
| 20B0117R-RF-US-P06V01 | V2.0    | Section 4.6.4: Add data of CDD 4TX 4 spatial streams.<br>(The test report No.: 20B0117R-RF-US-P06V01 V2.0 is to place the test report No.: 20B0117R-RF-US-P06V01 V1.1, and test report 20B0117R-RF-US-P06V01 V1.1 is obsoleted.) | 2021-04-07  |
|                       |         |                                                                                                                                                                                                                                  |             |
|                       |         |                                                                                                                                                                                                                                  |             |
|                       |         |                                                                                                                                                                                                                                  |             |
|                       |         |                                                                                                                                                                                                                                  |             |
|                       |         |                                                                                                                                                                                                                                  |             |
|                       |         |                                                                                                                                                                                                                                  |             |

## REMARKS AND COMMENTS

1. The equipment under test (EUT) does meet the essential requirements of the stated standard(s)/test(s).
2. These test results on a sample of the device are for the purpose of demonstrating Compliance with FCC 15.247, RSS-247 Issue 2.
3. The measurement result is considered in conformance with the requirement if it is within the prescribed limit, It is not necessary to account the uncertainty associated with the measurement result.
4. The test results presented in this report relate only to the object tested.
5. The test report shall not be reproduced without the written approval of DEKRA Testing and Certification (Suzhou) Co., Ltd.
6. This report will not be used for social proof function in China market.
7. DEKRA declines any responsibility with the following test data provided by customer that may affect the validity of result:
  - Chapter 1.1 General Description of the Item(s);
  - Chapter 1.2 Antenna Informaion;
  - Chapter 1.3 Channel List;
  - Chapter 1.4 Data Rate;

## USED EQUIPMENT

### AC Power Line Conducted Emission / TR1(Chamber details)

| Instrument                 | Manufacturer | Model No. | Serial No. | Cal. Date  | Next Cal. Date |
|----------------------------|--------------|-----------|------------|------------|----------------|
| EMI Test Receiver          | R&S          | ESCI      | 100906     | 2020.04.18 | 2021.04.17     |
| Two-Line V-Network         | R&S          | ENV216    | 101190     | 2020.04.18 | 2021.04.17     |
| Two-Line V-Network         | R&S          | ENV216    | 101044     | 2020.04.18 | 2021.04.17     |
| Current Probe              | R&S          | EZ-17     | 100678     | 2020.03.26 | 2021.03.25     |
| 50ohm Termination          | SHX          | TF2       | 07081402   | 2020.09.23 | 2021.09.22     |
| 50ohm Termination          | SHX          | TF2       | 07081403   | 2020.09.23 | 2021.09.22     |
| 50ohm Coaxial Switch       | Anritsu      | MP59B     | 6200464462 | N/A        | N/A            |
| Temperature/Humidity Meter | RTS          | RTS-8S    | TR1-TH     | 2020.08.13 | 2021.08.12     |
| Coaxial Cable              | Suhner       | RG 223    | TR1-C1     | 2020.04.05 | 2021.04.04     |
| Coaxial Cable              | Suhner       | RG 223    | TR1-C2     | 2020.04.05 | 2021.04.04     |
| DEKRA test software        | N/A          | N/A       | N/A        | N/A        | N/A            |

### RF conducted test / TR8(Chamber details)

| Instrument                 | Manufacturer | Model No. | Serial No. | Cal. Date  | Next Cal. Date |
|----------------------------|--------------|-----------|------------|------------|----------------|
| Spectrum Analyzer          | Agilent      | N9010A    | MY48030494 | 2020.08.15 | 2021.08.14     |
| EXA Spectrum Analyzer      | Keysight     | N9010A    | MY55370495 | 2020.04.17 | 2021.04.16     |
| MXA Signal Analyzer        | Keysight     | N9020A    | MY56060147 | 2020.08.15 | 2021.08.14     |
| Temperature/Humidity Meter | RTS          | RTS-8S    | RF08       | 2020.08.13 | 2021.08.12     |
| DEKRA test software        | N/A          | N/A       | N/A        | N/A        | N/A            |

### Radiated Emission(30MHz-1GHz) / AC3(Chamber details)

| Instrument                 | Manufacturer | Model No. | Serial No. | Cal. Date  | Next Cal. Date |
|----------------------------|--------------|-----------|------------|------------|----------------|
| EMI Test Receiver          | R&S          | ESCI      | 100573     | 2020.12.06 | 2021.12.05     |
| Bilog Antenna              | Teseq GmbH   | CBL6112D  | 27611      | 2020.11.27 | 2021.11.26     |
| Temperature/Humidity Meter | RTS          | RTS-8S    | AC2-TH     | 2020.08.13 | 2021.08.12     |
| Coaxial Cable              | Huber+Suhner | RG 214    | AC2-C      | 2020.04.05 | 2021.04.04     |
| DEKRA test software        | N/A          | N/A       | N/A        | N/A        | N/A            |

## Radiated Emission / AC5(1GHz-40GHz)(Chamber details)

| Instrument                    | Manufacturer | Model No.       | Serial No. | Cal. Date  | Next Cal. Date |
|-------------------------------|--------------|-----------------|------------|------------|----------------|
| MAX Signal Analyzer           | Agilent      | N9020B          | MY59050482 | 2020.11.25 | 2021.11.24     |
| Preamplifier                  | BXT          | NA2651D         | 1364185    | 2020.05.06 | 2021.05.05     |
| Preamplifier                  | CHENGYI      | EMC184045S<br>E | 980263     | 2020.05.06 | 2021.05.05     |
| DRG Horn                      | ETS-Lindgren | 3117            | 00123988   | 2020.09.21 | 2021.09.20     |
| Temperature/Humidity<br>Meter | RTS          | RTS-8S          | AC5-TH     | 2020.08.13 | 2021.08.12     |
| Coaxial Cable                 | Huber+Suhner | SUCOFLEX<br>106 | AC5-C1     | 2020.03.02 | 2021.03.01     |
| Coaxial Cable                 | Huber+Suhner | SUCOFLEX<br>106 | AC5-C2     | 2020.03.02 | 2021.03.01     |
| Coaxial Cable                 | Huber+Suhner | SUCOFLEX<br>102 | AC5-C3     | 2020.03.02 | 2021.03.01     |
| DEKRA test software           | N/A          | N/A             | N/A        | N/A        | N/A            |

## UNCERTAINTY

Uncertainties have been calculated according to the DEKRA internal document. The reported expanded uncertainties are based on a standard uncertainty multiplied by a coverage factor of  $k=2$ , providing a level of confidence of approximately 95%.

| Test item                        | Uncertainty                                                                                                                            |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| AC Power Line Conducted Emission | $\pm 2.92$ dB                                                                                                                          |
| Peak Power Output                | $\pm 1.13$ dB                                                                                                                          |
| Radiated Emission(30MHz~1GHz)    | Horizontal: 30MHz~200MHz: 4.60 dB<br>200MHz~1GHz: 4.10 dB<br>Vertical: 30MHz~200MHz: 4.80 dB<br>200MHz~1GHz: 4.10 dB                   |
| Radiated Emission(1GHz~40GHz)    | Horizontal: 1GHz~18GHz: 5.00 dB<br>Vertical: 1GHz~18GHz: 4.80 dB<br>Horizontal: 18GHz~40GHz: 4.70 dB<br>Vertical: 18GHz~40GHz: 4.60 dB |
| RF antenna conducted test        | $\pm 1.13$ dB                                                                                                                          |
| Radiated Emission Band Edge      | $\pm 5.00$ dB                                                                                                                          |
| DTS Bandwidth                    | $\pm 279$ Hz                                                                                                                           |
| Occupied Bandwidth               | $\pm 279$ Hz                                                                                                                           |
| Power Density                    | $\pm 1.13$ dB                                                                                                                          |

## 1 GENERAL INFORMATION

### 1.1 General Description of the Item(s)

|                           |                                                                |
|---------------------------|----------------------------------------------------------------|
| Product Name .....        | Wireless Access Point                                          |
| Model No.....             | AP510CX                                                        |
| Trademark.....            | Extreme Networks                                               |
| Manufacturer.....         | Extreme Networks, Inc                                          |
| Manufacturer address..... | Extreme Networks, 6480 Via Del Oro / San Jose, CA 95119 U.S.A. |

|                                   |                                                                                                                          |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Wireless specification .....      | WIFI                                                                                                                     |
| Operating frequency range(s)..... | 2412~2462 MHz                                                                                                            |
| Type of modulation .....          | DSSS: BPSK,QPSK,CCK<br>OFDM: BPSK, QPSK, 16QAM, 64QAM                                                                    |
| Number of channel .....           | 802.11b/g/n/ax(20MHz): 11                                                                                                |
| Data Rate .....                   | 802.11b: 1/2/5.5/11 Mbps<br>802.11g: 6/9/12/18/24/36/48/54 Mbps<br>802.11n: up to 288.8 Mbps<br>802.11ax: up to 572 Mbps |
| Device category .....             | <input type="checkbox"/> Fixed point-to-point                                                                            |
|                                   | <input type="checkbox"/> Emit multiple directional beams, simultaneously or sequentially                                 |
|                                   | <input checked="" type="checkbox"/> Other cases                                                                          |

|                          |                                     |                                |
|--------------------------|-------------------------------------|--------------------------------|
| Rated power supply ..... | Voltage and Frequency               |                                |
|                          | <input type="checkbox"/>            | AC: 220 - 240 V, 50/60 Hz      |
|                          | <input type="checkbox"/>            | AC: 100 - 240 V, 50/60 Hz      |
|                          | <input type="checkbox"/>            | DC: 12 V                       |
|                          | <input type="checkbox"/>            | Battery:                       |
|                          | <input checked="" type="checkbox"/> | PoE -48 V                      |
| Mounting position.....   | <input checked="" type="checkbox"/> | Table top equipment            |
|                          | <input checked="" type="checkbox"/> | Wall/Ceiling mounted equipment |
|                          | <input type="checkbox"/>            | Floor standing equipment       |
|                          | <input type="checkbox"/>            | Hand-held equipment            |
|                          | <input type="checkbox"/>            | Other: .....                   |

## 1.2 Antenna Information

|                                                  |                                                                   |              |                                            |
|--------------------------------------------------|-------------------------------------------------------------------|--------------|--------------------------------------------|
| Antenna model / type number.....:                | Dipole Antenna: AI-DQ04360S<br>Sector Antenna: ML-2452-SEC6M4-036 |              |                                            |
| Antenna serial number.....:                      | N/A                                                               |              |                                            |
| Antenna Delivery .....                           | <input checked="" type="checkbox"/>                               | 1TX + 1RX    |                                            |
|                                                  | <input checked="" type="checkbox"/>                               | 2TX + 2RX    |                                            |
|                                                  | <input checked="" type="checkbox"/>                               | 3TX + 3RX    |                                            |
|                                                  | <input checked="" type="checkbox"/>                               | 4TX + 4RX    |                                            |
|                                                  | <input type="checkbox"/>                                          | Others:..... |                                            |
| Antenna technology .....                         | <input checked="" type="checkbox"/>                               | SISO         |                                            |
|                                                  | <input checked="" type="checkbox"/>                               | MIMO         | <input type="checkbox"/> Basic             |
|                                                  |                                                                   |              | <input checked="" type="checkbox"/> CDD    |
|                                                  |                                                                   |              | <input type="checkbox"/> Sectorized        |
| <input checked="" type="checkbox"/> Beam-forming |                                                                   |              |                                            |
| Antenna Type .....                               | <input checked="" type="checkbox"/>                               | External     | <input checked="" type="checkbox"/> Dipole |
|                                                  |                                                                   |              | <input checked="" type="checkbox"/> Sector |
|                                                  |                                                                   |              | <input type="checkbox"/> Sectorized        |
|                                                  | <input type="checkbox"/>                                          | Internal     | <input type="checkbox"/> PIFA              |
|                                                  |                                                                   |              | <input type="checkbox"/> PCB               |
|                                                  |                                                                   |              | <input type="checkbox"/> Metal Antenna     |
| Antenna Type .....                               | Dipole Antenna:<br>AI-DQ04360S                                    |              | Sector Antenna:<br>ML-2452-SEC6M4-036      |
| SISO Antenna Gain .....                          | 5.5 dBi                                                           |              | 6.9 dBi                                    |
| CDD-MIMO(2TX) Antenna Gain .....                 | 5.5 dBi for Power ,8.51 dBi for PSD                               |              | 6.9 dBi for Power ,9.91 dBi for PSD        |
| CDD-MIMO(4TX) Antenna Gain .....                 | 5.5 dBi for Power ,11.52 dBi for PSD                              |              | 6.9 dBi for Power ,12.92 dBi for PSD       |
| Beamforming(2TX) Antenna Gain ..:                | 8.51 dBi for Power; 8.51 dBi for PSD                              |              | 9.91 dBi for Power; 9.91 dBi for PSD       |
| Beamforming(4TX) Antenna Gain ..:                | 11.52 dBi for Power; 11.52 dBi for PSD                            |              | 12.92 dBi for Power; 12.92 dBi for PSD     |

Note 1: The product AP510CX adds 2 external antennas based on the DEKRA report: 19C2142R-RF-US-P06V03. The conducted power is less than the original reported power. We only evaluated the Output power, Band Edge, Emissions in restricted frequency bands, and Power Spectral Density to meet the consistency.

Note 2: The 1\*1 and 3\*3 power setting are same with 2\*2 and 4\*4, so we only test 2\*2 and 4\*4 for compliance.

Note 3: We have evaluated all antenna combination(Ant 1+2,1+3,1+4,2+3,2+4,3+4),shown in the report is the worst data(Ant 1+2).

### 1.3 Data Rate

#### IEEE 802.11b

| Modulation | Data Rate(Mb/s) |
|------------|-----------------|
| DSSS       | 1               |
| DSSS       | 2               |
| CCK        | 5.5             |
| CCK        | 11              |

Table 1 –TX Antenna number = 4

#### IEEE 802.11g

| Modulation | Coding rate | Data Rate(Mb/s) |
|------------|-------------|-----------------|
| BPSK       | 1/2         | 6               |
| BPSK       | 3/4         | 9               |
| QPSK       | 1/2         | 12              |
| QPSK       | 3/4         | 18              |
| 16-QAM     | 1/2         | 24              |
| 16-QAM     | 3/4         | 36              |
| 64-QAM     | 2/3         | 48              |
| 64-QAM     | 3/4         | 54              |

Table 1 – MCS parameters for TX Antenna number = 4

## IEEE 802.11n

| Spatial<br>streams | MCS<br>Index | Modulation | Coding<br>rate | Data Rate(Mb/s) |          |
|--------------------|--------------|------------|----------------|-----------------|----------|
|                    |              |            |                | 20MHz           |          |
|                    |              |            |                | 800ns GI        | 400ns GI |
| 1                  | 0            | BPSK       | 1/2            | 6.5             | 7.2      |
| 1                  | 1            | QPSK       | 1/2            | 13.0            | 14.4     |
| 1                  | 2            | QPSK       | 3/4            | 19.5            | 21.7     |
| 1                  | 3            | 16-QAM     | 1/2            | 26.0            | 28.9     |
| 1                  | 4            | 16-QAM     | 3/4            | 39.0            | 43.3     |
| 1                  | 5            | 64-QAM     | 2/3            | 52.0            | 57.8     |
| 1                  | 6            | 64-QAM     | 3/4            | 58.5            | 65.0     |
| 1                  | 7            | 64-QAM     | 5/6            | 65.0            | 72.2     |
| 2                  | 8            | BPSK       | 1/2            | 13.0            | 14.4     |
| 2                  | 9            | QPSK       | 1/2            | 26.0            | 28.9     |
| 2                  | 10           | QPSK       | 3/4            | 39.0            | 43.3     |
| 2                  | 11           | 16-QAM     | 1/2            | 52.0            | 57.8     |
| 2                  | 12           | 16-QAM     | 3/4            | 78.0            | 86.7     |
| 2                  | 13           | 64-QAM     | 2/3            | 104.0           | 115.6    |
| 2                  | 14           | 64-QAM     | 3/4            | 117.0           | 130.0    |
| 2                  | 15           | 64-QAM     | 5/6            | 130.0           | 144.0    |
| 3                  | 16           | BPSK       | 1/2            | 19.5            | 21.6     |
| 3                  | 17           | QPSK       | 1/2            | 39              | 43.2     |
| 3                  | 18           | QPSK       | 3/4            | 58.5            | 65.1     |
| 3                  | 19           | 16-QAM     | 1/2            | 78              | 86.7     |
| 3                  | 20           | 16-QAM     | 3/4            | 117             | 129.9    |
| 3                  | 21           | 64-QAM     | 2/3            | 156             | 173.4    |
| 3                  | 22           | 64-QAM     | 3/4            | 175.5           | 195      |
| 3                  | 23           | 64-QAM     | 5/6            | 195             | 216.6    |
| 4                  | 24           | BPSK       | 1/2            | 26              | 28.8     |
| 4                  | 25           | QPSK       | 1/2            | 52              | 57.6     |
| 4                  | 26           | QPSK       | 3/4            | 78              | 86.8     |
| 4                  | 27           | 16-QAM     | 1/2            | 104             | 115.6    |
| 4                  | 28           | 16-QAM     | 3/4            | 156             | 173.2    |
| 4                  | 29           | 64-QAM     | 2/3            | 208             | 231.2    |
| 4                  | 30           | 64-QAM     | 3/4            | 234             | 260      |
| 4                  | 31           | 64-QAM     | 5/6            | 260             | 288.8    |

Note 1: Support of 400ns GI is optional on transmit and receive.

Table 1 – MCS parameters for TX Antenna number = 4

## IEEE 802.11ax

| Spatial Streams<br>(Note1) | MCS Index | Modulation type | Coding rate | Data Rate(Mb/s) |       |
|----------------------------|-----------|-----------------|-------------|-----------------|-------|
|                            |           |                 |             | 20MHz           |       |
|                            |           |                 |             | Guard Interval  |       |
|                            |           |                 |             | 1600ns          | 800ns |
| 1                          | 0         | BPSK            | 1/2         | 4               | 4     |
|                            | 1         | QPSK            | 1/2         | 16              | 17    |
|                            | 2         | QPSK            | 3/4         | 24              | 26    |
|                            | 3         | 16-QAM          | 1/2         | 33              | 34    |
|                            | 4         | 16-QAM          | 3/4         | 49              | 52    |
|                            | 5         | 64-QAM          | 2/3         | 65              | 69    |
|                            | 6         | 64-QAM          | 3/4         | 73              | 77    |
|                            | 7         | 64-QAM          | 5/6         | 81              | 86    |
|                            | 8         | 256-QAM         | 3/4         | 98              | 103   |
|                            | 9         | 256-QAM         | 5/6         | 108             | 115   |
|                            | 10        | 1024-QAM        | 3/4         | 122             | 129   |
|                            | 11        | 1024-QAM        | 5/6         | 135             | 143   |
| 2                          | 12        | BPSK            | 1/2         | 8               | 8     |
|                            | 13        | QPSK            | 1/2         | 32              | 34    |
|                            | 14        | QPSK            | 3/4         | 48              | 52    |
|                            | 15        | 16-QAM          | 1/2         | 66              | 68    |
|                            | 16        | 16-QAM          | 3/4         | 98              | 104   |
|                            | 17        | 64-QAM          | 2/3         | 130             | 138   |
|                            | 18        | 64-QAM          | 3/4         | 146             | 154   |
|                            | 19        | 64-QAM          | 5/6         | 162             | 172   |
|                            | 20        | 256-QAM         | 3/4         | 196             | 206   |
|                            | 21        | 256-QAM         | 5/6         | 216             | 230   |
|                            | 22        | 1024-QAM        | 3/4         | 244             | 258   |
|                            | 23        | 1024-QAM        | 5/6         | 270             | 286   |
| 3                          | 24        | BPSK            | 1/2         | 12              | 12    |
|                            | 25        | QPSK            | 1/2         | 48              | 51    |
|                            | 26        | QPSK            | 3/4         | 72              | 78    |
|                            | 27        | 16-QAM          | 1/2         | 99              | 102   |
|                            | 28        | 16-QAM          | 3/4         | 147             | 156   |
|                            | 29        | 64-QAM          | 2/3         | 195             | 207   |
|                            | 30        | 64-QAM          | 3/4         | 219             | 231   |
|                            | 31        | 64-QAM          | 5/6         | 243             | 258   |
|                            | 32        | 256-QAM         | 3/4         | 294             | 309   |
|                            | 33        | 256-QAM         | 5/6         | 324             | 345   |
|                            | 34        | 1024-QAM        | 3/4         | 366             | 387   |
|                            | 35        | 1024-QAM        | 5/6         | 405             | 429   |
| 4                          | 36        | BPSK            | 1/2         | 16              | 16    |
|                            | 37        | QPSK            | 1/2         | 64              | 68    |
|                            | 38        | QPSK            | 3/4         | 96              | 104   |
|                            | 39        | 16-QAM          | 1/2         | 132             | 136   |

|  |    |          |     |     |     |
|--|----|----------|-----|-----|-----|
|  | 40 | 16-QAM   | 3/4 | 196 | 208 |
|  | 41 | 64-QAM   | 2/3 | 260 | 276 |
|  | 42 | 64-QAM   | 3/4 | 292 | 308 |
|  | 43 | 64-QAM   | 5/6 | 324 | 344 |
|  | 44 | 256-QAM  | 3/4 | 392 | 412 |
|  | 45 | 256-QAM  | 5/6 | 432 | 460 |
|  | 46 | 1024-QAM | 3/4 | 488 | 516 |
|  | 47 | 1024-QAM | 5/6 | 540 | 572 |

Note 1: The EUT supports all data rate above. The blue form is the maximum power data rate.

Note 2: The EUT has 4 spatial Streams

## 1.4 Channel List

### IEEE 802.11b/g & IEEE 802.11n/ax(20MHz)

| Working Frequency of Each Channel |           |         |           |         |           |         |           |
|-----------------------------------|-----------|---------|-----------|---------|-----------|---------|-----------|
| Channel                           | Frequency | Channel | Frequency | Channel | Frequency | Channel | Frequency |
| 001                               | 2412 MHz  | 002     | 2417 MHz  | 003     | 2422 MHz  | 004     | 2427 MHz  |
| 005                               | 2432 MHz  | 006     | 2437 MHz  | 007     | 2442 MHz  | 008     | 2447 MHz  |
| 009                               | 2452 MHz  | 010     | 2457 MHz  | 011     | 2462 MHz  | -       | -         |

Note: The General Description of the Item, antenna information, Data Rate and Channel List in clause 1 are provided and confirmed by the client.

## 2 DESCRIPTION OF TEST SETUP

### 2.1 Operating mode(s) used for tests

During the tests the following operating mode(s) has(have) been used.

|           |                                     |
|-----------|-------------------------------------|
| Test Mode | Mode 1: Transmit by 802.11b         |
|           | Mode 2: Transmit by 802.11g         |
|           | Mode 3: Transmit by 802.11n(20MHz)  |
|           | Mode 4: Transmit by 802.11ax(20MHz) |
|           | Mode 5: Simultaneous transmission   |

### 2.2 Accessories Information

| Accessories Information                                            | Brand/model name | Cable                       |                                     |                          |
|--------------------------------------------------------------------|------------------|-----------------------------|-------------------------------------|--------------------------|
|                                                                    |                  | Length used during test [m] | Attached during test                | Shielded                 |
| Ethernet port to serial port cable + Serial port to USB port cable | N/A              | 1                           | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Ethernet port to serial port cable + Serial port to USB port cable | N/A              | 10                          | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
|                                                                    |                  |                             | <input type="checkbox"/>            | <input type="checkbox"/> |
|                                                                    |                  |                             | <input type="checkbox"/>            | <input type="checkbox"/> |
|                                                                    |                  |                             | <input type="checkbox"/>            | <input type="checkbox"/> |

### 2.3 Support / Auxiliary equipment / unit / Test software for the EUT

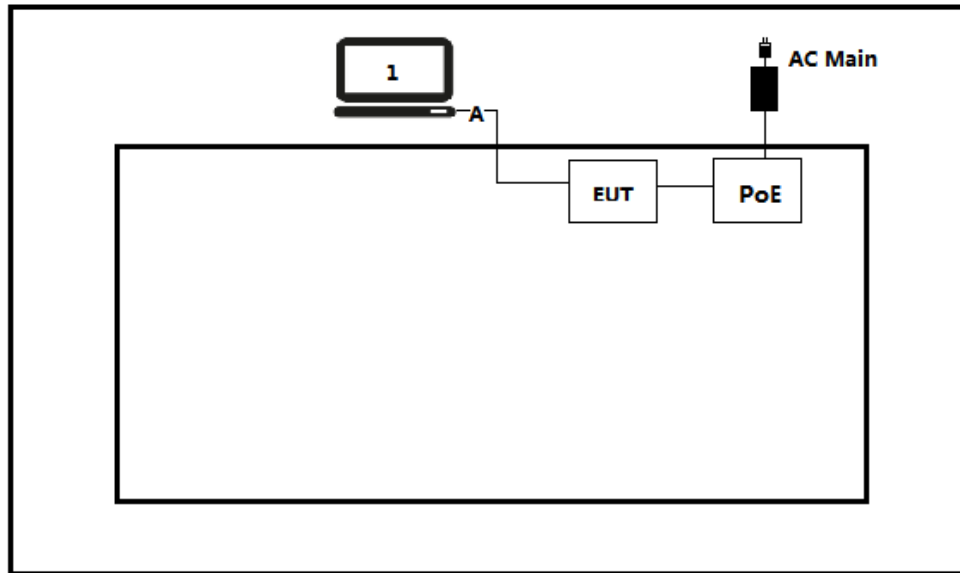
The EUT has been tested with the following auxiliary equipment / unit / software:

| Auxiliary equipment | Type / Version | Manufacturer | Supplied by |
|---------------------|----------------|--------------|-------------|
| Notebook            | Think pad x220 | Lenovo       | Adapter     |
| software            | Type / Version | Manufacturer | Supplied by |
| IPOP                | N/A            | N/A          | N/A         |

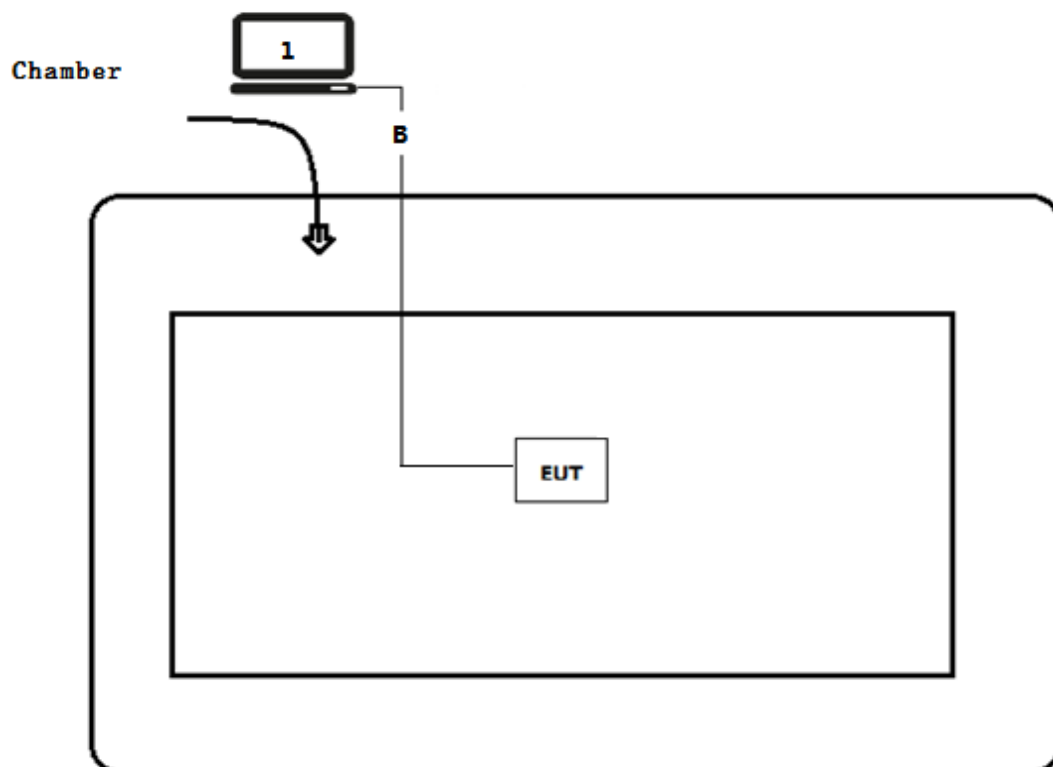
## 2.4 Test Configuration / Block diagram used for tests

The following test setup / configuration / block diagram has been used during the tests:

Test setup Diagram- AC Line Conducted Emission Test



Test setup Diagram- Radiated Emission



## 2.5 Testing process

|   |                                                               |
|---|---------------------------------------------------------------|
| 1 | Setup the EUT as shown in Section 2.4.                        |
| 2 | Execute the IPOP on the notebook.                             |
| 3 | Configure the test mode, the test channel, and the data rate. |
| 4 | Verify that the EUT works properly.                           |

### 3 VERDICT SUMMARY SECTION

This chapter presents an overview of standards and results. Refer to the next chapters for details of measured test results and applied test levels.

#### 3.1 Standards

| Standard                                          | Year | Description                                                                                                                  |
|---------------------------------------------------|------|------------------------------------------------------------------------------------------------------------------------------|
| FCC CFR Title 47 Part 15 Subpart C Section 15.247 | 2020 | Operation within the bands 902–928 MHz, 2400–2483.5 MHz, and 5725–5850 MHz.                                                  |
| ANSI C63.10                                       | 2013 | American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices                               |
| KDB 558074 D01 v05r02                             | 2019 | Guidance for performing compliance measurements on Digital Transmission System (DTS) operating under section 15.247          |
| KDB 662911 D01 v02r01                             | 2013 | Emissions Testing of Transmitters with Multiple Outputs in the Same Band                                                     |
| RSS-Gen Issue 5 Amendment 1                       | 2019 | General Requirements for Compliance of Radio Apparatus                                                                       |
| RSS-247 Issue 2                                   | 2017 | Digital Transmission Systems (DTSS), Frequency Hopping Systems (FHSS) and Licence-Exempt Local Area Network (LE-LAN) Devices |

### 3.2 Overview of results

#### For FCC

| Requirement – Test case                     | Basic standard(s)     | Verdict | Remark |
|---------------------------------------------|-----------------------|---------|--------|
| AC Power Line Conducted Emission            | FCC 15.207            | PASS    | ---    |
| Emissions in restricted frequency bands     | FCC 15.247(d), 15.209 | PASS    | ---    |
| Emissions in non-restricted frequency bands | FCC 15.247(d)         | N/M     | ---    |
| Radiated Emission Band Edge                 | FCC 15.247(d), 15.209 | PASS    | ---    |
| Fundamental emission output power           | FCC 15.247(b)(3)      | PASS    | ---    |
| DTS Bandwidth                               | FCC 15.247(a)(2)      | N/M     | ---    |
| Power Spectral Density                      | FCC 15.247(e)         | PASS    | ---    |
| Antenna Requirement                         | FCC 15.203            | PASS    | ---    |

#### For ISED

| Requirement – Test case                     | Basic standard(s)              | Verdict | Remark |
|---------------------------------------------|--------------------------------|---------|--------|
| AC Power Line Conducted Emission            | RSS-Gen Issue 5 Section 8.8    | PASS    | ---    |
| Emissions in restricted frequency bands     | RSS-Gen Issue 5 Section 8.9    | PASS    | ---    |
| Duty cycle                                  | ANSI C63.10:2013               | PASS    | ---    |
| Emissions in non-restricted frequency bands | RSS-247 Issue 2 Section 5.5    | N/M     | ---    |
| Radiated Emission Band Edge                 | RSS-Gen Issue 5 Section 8.10   | PASS    | ---    |
| Fundamental emission output power           | RSS-247 Issue 2 Section 5.4(d) | PASS    | ---    |
| DTS Bandwidth                               | RSS-Gen Issue 5 Section 6.7    | N/M     | ---    |
| Power Spectral Density                      | RSS-247 Issue 2 Section 5.2(b) | PASS    | ---    |
| Antenna Requirement                         | RSS-Gen Issue 5 Section 6.8    | PASS    | ---    |

Note: The product can only work on full RU under 802.11ax mode, so that there is no information and data for RU configuration in this report.

### 3.3 Test Facility

|     |   |                                |
|-----|---|--------------------------------|
| USA | : | FCC Designation Number: CN1199 |
| CA  | : | ISED CAB identifier: CN0040    |

## 4 TEST RESULTS

### 4.1 AC Power Line Conducted Emission

**VERDICT: PASS**

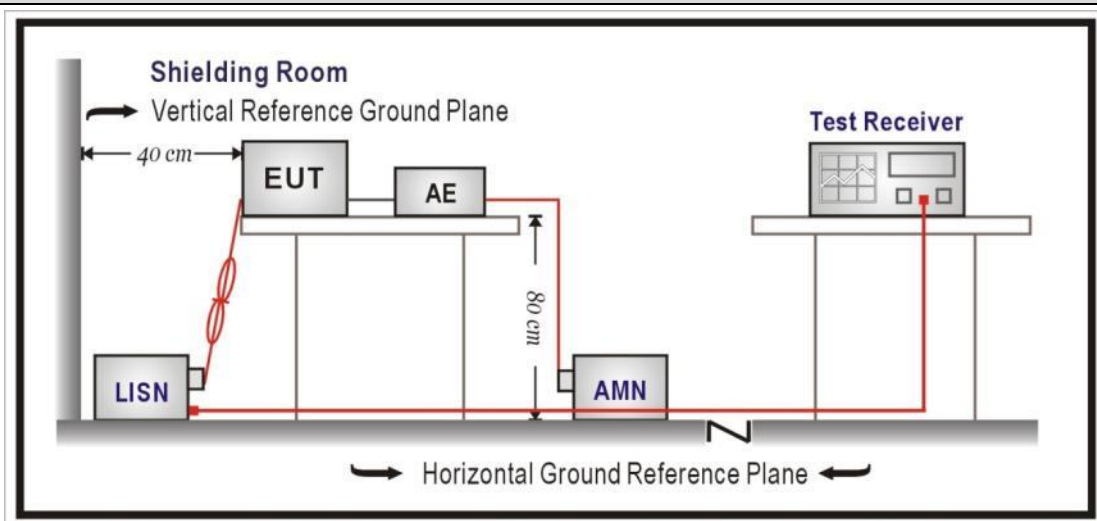
#### 4.1.1 Limit

| Standard              | FCC Part 15 Subpart C Paragraph 15.207 |                                   |
|-----------------------|----------------------------------------|-----------------------------------|
| Frequency range [MHz] | Limit: QP [dB(μV) <sup>1)</sup> ]      | Limit: AV [dB(μV) <sup>1)</sup> ] |
| 0,15 - 0,50           | 66 - 56 <sup>2)</sup>                  | 56 - 46 <sup>2)</sup>             |
| 0,50 - 5,0            | 56                                     | 46                                |
| 5,0 - 30              | 60                                     | 50                                |

<sup>1)</sup> At the transition frequency, the lower limit applies.

<sup>2)</sup> The limit decreases linearly with the logarithm of the frequency.

#### 4.1.2 Test Setup

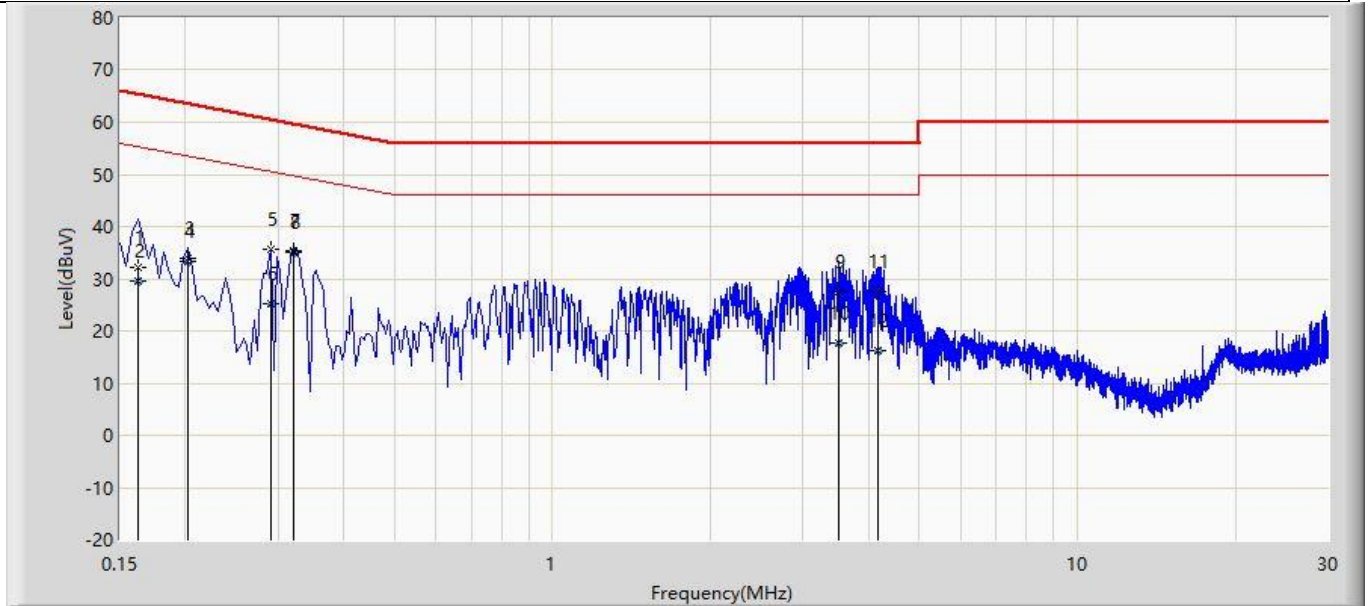


#### 4.1.3 Test Procedure

|                                     | References Rule  | Chapter | Item                                                                                        |
|-------------------------------------|------------------|---------|---------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> | ANSI C63.10-2013 | 6.2     | Standard test method for ac power-line conducted emissions from unlicensed wireless devices |

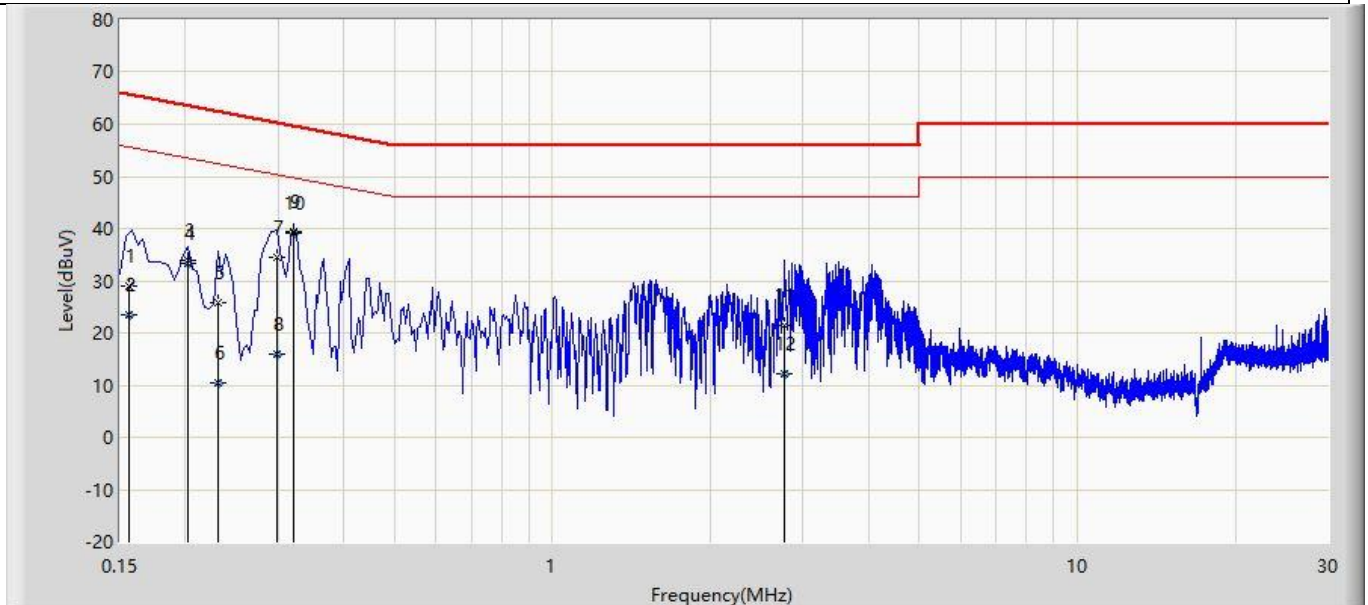
#### 4.1.4 Test Data

|                                    |                          |
|------------------------------------|--------------------------|
| Profile: 20B0117R                  | Page No.: 1              |
| Engineer: Yingfei.Wang             |                          |
| Site: TR1                          | Time: 2021/01/24 - 13:43 |
| Limit: FCC_Part15.207_CE_AC Power  | Margin: 0                |
| Probe: ENV216_101044_(0.009-30MHz) | Polarity: Neutral        |
| EUT: AP510CX                       | Power: PoE -48V          |
| Note: Mode 1                       |                          |



| No | Mark | Frequency (MHz) | Measure Level (dBuV) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV) | Factor (dB) | Type |
|----|------|-----------------|----------------------|----------------------|-----------------|--------------|-------------|------|
| 1  |      | 0.162           | 32.296               | 22.629               | -33.064         | 65.361       | 9.667       | QP   |
| 2  |      | 0.162           | 29.515               | 19.847               | -25.846         | 55.361       | 9.667       | AV   |
| 3  |      | 0.202           | 33.811               | 24.109               | -29.716         | 63.528       | 9.703       | QP   |
| 4  |      | 0.202           | 33.215               | 23.512               | -20.313         | 53.528       | 9.703       | AV   |
| 5  |      | 0.290           | 35.678               | 25.962               | -24.847         | 60.524       | 9.716       | QP   |
| 6  |      | 0.290           | 25.302               | 15.587               | -25.222         | 50.524       | 9.716       | AV   |
| 7  |      | 0.322           | 35.438               | 25.721               | -24.217         | 59.655       | 9.717       | QP   |
| 8  | *    | 0.322           | 35.200               | 25.482               | -14.456         | 49.655       | 9.717       | AV   |
| 9  |      | 3.502           | 27.424               | 17.555               | -28.576         | 56.000       | 9.869       | QP   |
| 10 |      | 3.502           | 17.785               | 7.915                | -28.215         | 46.000       | 9.869       | AV   |
| 11 |      | 4.158           | 27.651               | 17.749               | -28.349         | 56.000       | 9.902       | QP   |
| 12 |      | 4.158           | 16.121               | 6.219                | -29.879         | 46.000       | 9.902       | AV   |

|                                    |                          |
|------------------------------------|--------------------------|
| Profile: 20B0117R                  | Page No.: 2              |
| Engineer: Yingfei.Wang             |                          |
| Site: TR1                          | Time: 2021/01/24 - 14:35 |
| Limit: FCC_Part15.207_CE_AC Power  | Margin: 0                |
| Probe: ENV216_101044_(0.009-30MHz) | Polarity: Line           |
| EUT: AP510CX                       | Power: PoE -48V          |
| Note: Mode 1                       |                          |



| No | Mark | Frequency (MHz) | Measure Level (dBuV) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV) | Factor (dB) | Type |
|----|------|-----------------|----------------------|----------------------|-----------------|--------------|-------------|------|
| 1  |      | 0.156           | 28.924               | 19.259               | -36.731         | 65.656       | 9.666       | QP   |
| 2  |      | 0.156           | 23.553               | 13.887               | -32.103         | 55.656       | 9.666       | AV   |
| 3  |      | 0.202           | 33.815               | 24.136               | -29.713         | 63.528       | 9.679       | QP   |
| 4  |      | 0.202           | 33.268               | 23.589               | -20.260         | 53.528       | 9.679       | AV   |
| 5  |      | 0.230           | 25.855               | 16.172               | -36.594         | 62.450       | 9.683       | QP   |
| 6  |      | 0.230           | 10.388               | 0.705                | -42.061         | 52.450       | 9.683       | AV   |
| 7  |      | 0.298           | 34.463               | 24.765               | -25.835         | 60.298       | 9.698       | QP   |
| 8  |      | 0.298           | 15.906               | 6.208                | -34.393         | 50.298       | 9.698       | AV   |
| 9  |      | 0.322           | 39.532               | 29.830               | -20.123         | 59.655       | 9.702       | QP   |
| 10 | *    | 0.322           | 39.178               | 29.476               | -10.477         | 49.655       | 9.702       | AV   |
| 11 |      | 2.770           | 21.308               | 11.480               | -34.692         | 56.000       | 9.828       | QP   |
| 12 |      | 2.770           | 12.080               | 2.251                | -33.920         | 46.000       | 9.828       | AV   |

## Note:

- " \* ", means this data is the worst emission level.
- Measurement Level = Reading Level + Factor(Probe+Cable-Amp). Test Photograph.

**4.2 Emissions in restricted frequency bands****VERDICT: PASS****4.2.1 Limit**

| Standard                              |                       | FCC Part 15 Subpart C Paragraph 15.205; 15.209 |                    |
|---------------------------------------|-----------------------|------------------------------------------------|--------------------|
| Restricted Bands of operation for FCC |                       |                                                |                    |
| Frequency<br>(MHz)                    | Frequency<br>(MHz)    | Frequency<br>(MHz)                             | Frequency<br>(GHz) |
| 0.090 – 0.110                         | 16.42 – 16.423        | 399.9 – 410                                    | 4.5 – 5.15         |
| 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         | 2690 – 2900                                    | 22.01 – 23.12      |
| 8.81425 – 8.81475                     | 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 – 3358                                  | 36.43 – 36.5       |
| 12.57675–12.57725                     | 322 – 335.4           | 3600 – 4400                                    | Above 38.6         |
| 13.36 – 13.41                         | --                    | --                                             | --                 |
| Restricted Bands of operation for IC  |                       |                                                |                    |
| 0.090 - 0.110                         | 13.36 - 13.41         | 960 - 1427                                     | 9.0 - 9.2          |
| 0.495 - 0.505                         | 16.42 - 16.423        | 1435 - 1626.5                                  | 9.3 - 9.5          |
| 2.1735 - 2.1905                       | 16.69475 - 16.69525   | 1645.5 - 1646.5                                | 10.6 - 12.7        |
| 3.020 - 3.026                         | 16.80425 - 16.80475   | 1660 - 1710                                    | 13.25 - 13.4       |
| 4.125 - 4.128                         | 25.5 - 25.67          | 1718.8 - 1722.2                                | 14.47 - 14.5       |
| 4.17725 - 4.17775                     | 37.5 - 38.25          | 2200 - 2300                                    | 15.35 - 16.2       |
| 4.20725 - 4.20775                     | 73 - 74.6             | 2310 - 2390                                    | 17.7 - 21.4        |
| 5.677 - 5.683                         | 74.8 - 75.2           | 2483.5 - 2500                                  | 22.01 - 23.12      |
| 6.215 - 6.218                         | 108 - 138             | 2655 - 2900                                    | 23.6 - 24.0        |
| 6.26775 - 6.26825                     | 149.9 - 150.05        | 3260 - 3267                                    | 31.2 - 31.8        |
| 6.31175 - 6.31225                     | 156.52475 - 156.52525 | 3332 - 3339                                    | 36.43 - 36.5       |
| 8.291 - 8.294                         | 156.7 - 156.9         | 3345.8 - 3358                                  | Above 38.6         |
| 8.362 - 8.366                         | 162.0125 - 167.17     | 3500 - 4400                                    |                    |
| 8.37625 - 8.38675                     | 167.72 - 173.2        | 4500 - 5150                                    |                    |
| 8.41425 - 8.41475                     | 240 - 285             | 5350 - 5460                                    |                    |
| 12.29 - 12.293                        | 322 - 335.4           | 7250 - 7750                                    |                    |
| 12.51975 - 12.52025                   | 399.9 - 410           | 8025 - 8500                                    |                    |
| 12.57675 - 12.57725                   | 608 - 614             | --                                             |                    |

## Restricted Band Emissions Limit

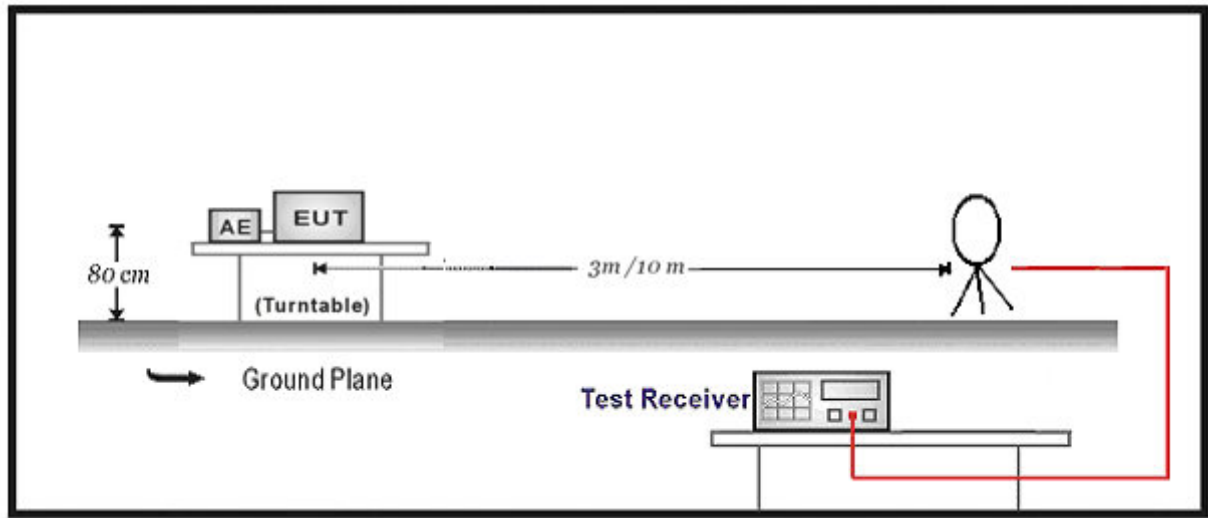
| Frequency (MHz) | Field strength ( $\mu\text{V/m}$ ) | Field strength (dB $\mu\text{V/m}$ ) | Measurement distance (m) |
|-----------------|------------------------------------|--------------------------------------|--------------------------|
| 0.009 - 0.49    | 2400/F(kHz)                        | 48.5 – 13.8                          | 300 <sub>(Note 1)</sub>  |
| 0.49 - 1.705    | 24000/F(kHz)                       | 33.8 - 23                            | 30 <sub>(Note 1)</sub>   |
| 1.705 - 30      | 30                                 | 29.5                                 | 30 <sub>(Note 1)</sub>   |
| 30 - 88         | 100                                | 40                                   | 3 <sub>(Note 2)</sub>    |
| 88 - 216        | 150                                | 43.5                                 | 3 <sub>(Note 2)</sub>    |
| 216 - 960       | 200                                | 46                                   | 3 <sub>(Note 2)</sub>    |
| Above 960       | 500                                | 54                                   | 3 <sub>(Note 2)</sub>    |

Note 1: At frequencies below 30 MHz, measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field. Pending the development of an appropriate measurement procedure for measurements performed below 30 MHz, when performing measurements at a closer distance than specified, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade).

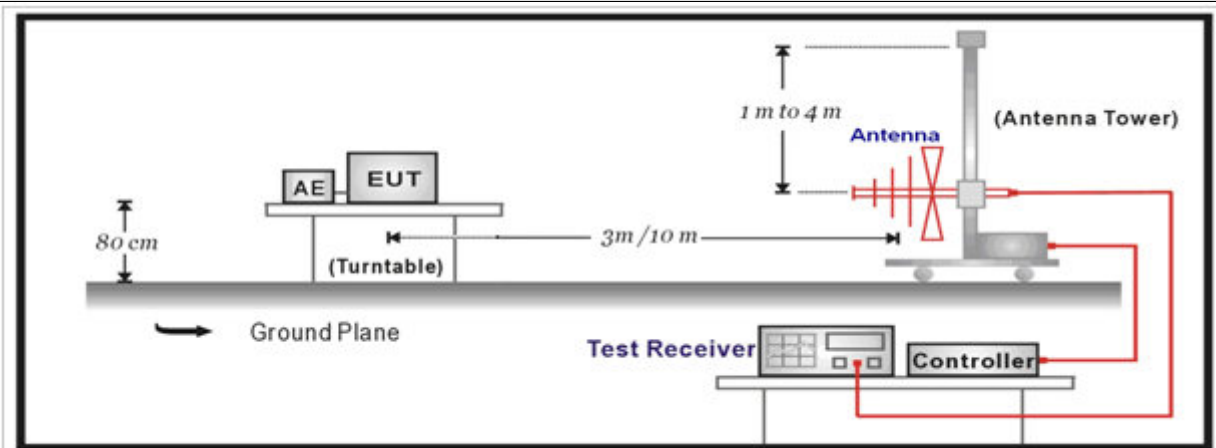
Note 2: At frequencies at or above 30 MHz, measurements may be performed at a distance other than what is specified provided: measurements are not made in the near field except where it can be shown that near field measurements are appropriate due to the characteristics of the device; and it can be demonstrated that the signal levels needed to be measured at the distance employed can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 meters unless it can be further demonstrated that measurements at a distance of 30 meters or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse linear-distance for field strength measurements; inverse-linear-distance-squared for power density measurements).

## 4.2.2 Test Setup

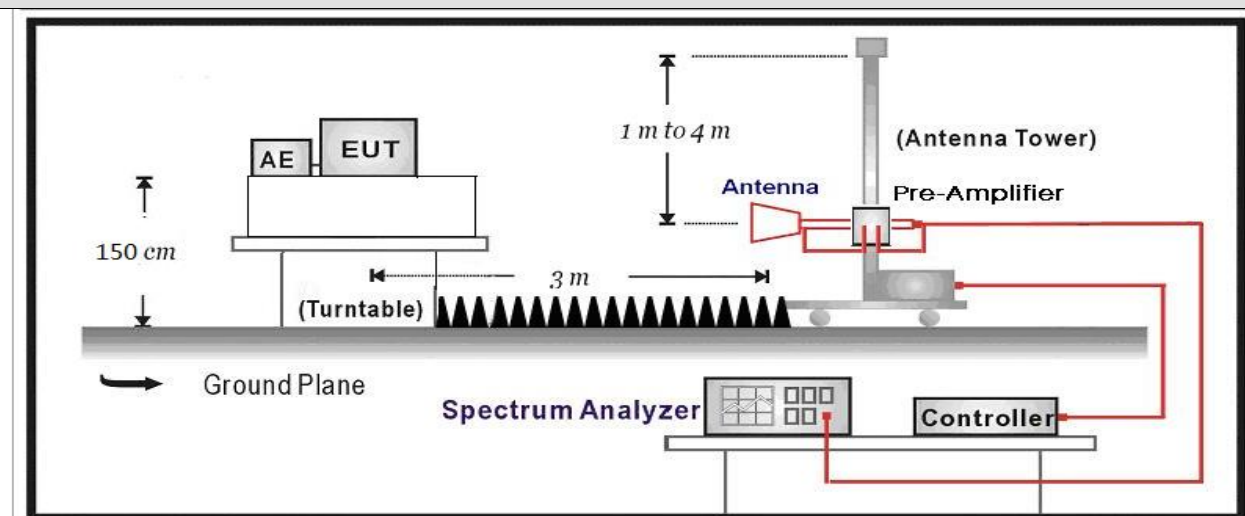
Below 30MHz Test Setup:



30MHz-1GHz Test Setup:



Above 1GHz Test Setup:



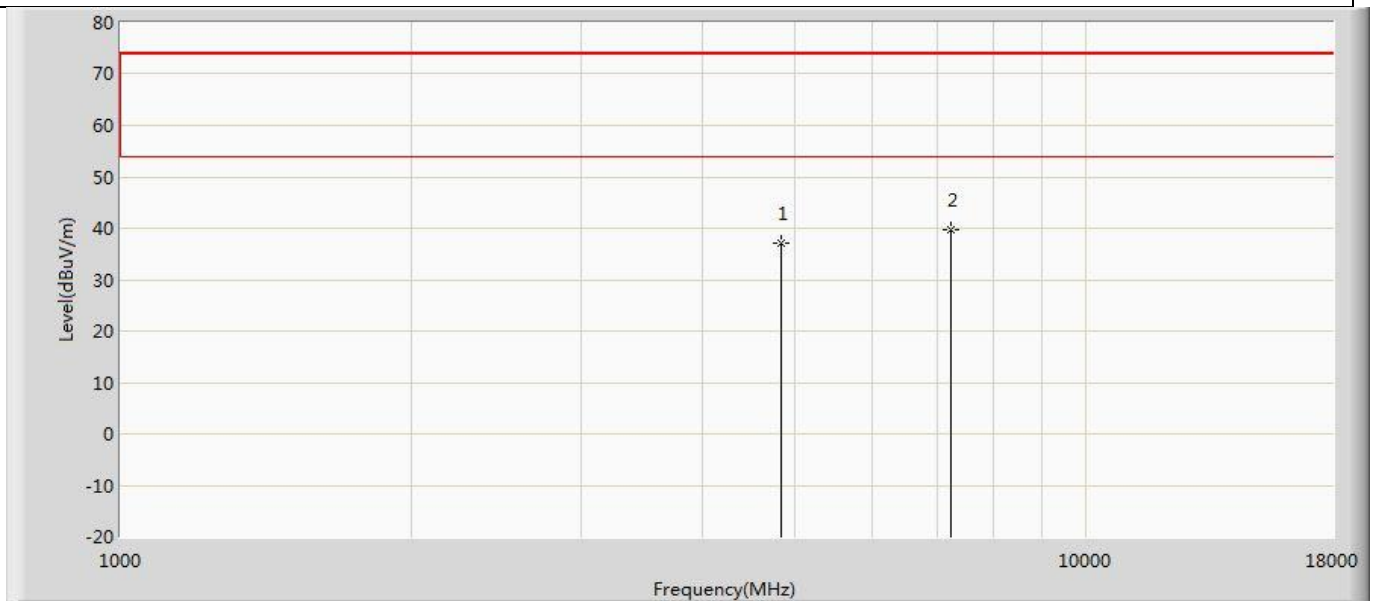
#### 4.2.3 Test Procedure

|                                     | References Rule                     |             | Chapter     | Description                                                                                        |
|-------------------------------------|-------------------------------------|-------------|-------------|----------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> | ANSI C63.10                         |             | 11.12       | Emissions in restricted frequency bands                                                            |
|                                     | <input checked="" type="checkbox"/> | ANSI C63.10 | 11.12.1     | Radiated emission measurements                                                                     |
|                                     | <input checked="" type="checkbox"/> | ANSI C63.10 | 6.3         | Radiated spurious emission test                                                                    |
|                                     | <input checked="" type="checkbox"/> | ANSI C63.10 | 6.4         | Radiated emissions from unlicensed wireless devices below 30 MHz                                   |
|                                     | <input checked="" type="checkbox"/> | ANSI C63.10 | 6.5         | Radiated emissions from unlicensed wireless devices in the frequency range of 30 MHz to 1000 MHz   |
|                                     | <input checked="" type="checkbox"/> | ANSI C63.10 | 6.6         | Radiated emissions from unlicensed wireless devices above 1 GHz                                    |
|                                     | <input type="checkbox"/>            | ANSI C63.10 | 11.12.2     | Antenna-port conducted measurements                                                                |
|                                     | <input type="checkbox"/>            | ANSI C63.10 | 11.12.2.3   | Quasi-peak measurement procedure                                                                   |
|                                     | <input type="checkbox"/>            | ANSI C63.10 | 11.12.2.4   | Peak power measurement procedure                                                                   |
|                                     | <input type="checkbox"/>            | ANSI C63.10 | 11.12.2.5   | Average power measurement procedures                                                               |
|                                     | <input type="checkbox"/>            | ANSI C63.10 | 11.12.2.5.1 | Trace averaging with continuous EUT transmission at full power                                     |
|                                     | <input type="checkbox"/>            | ANSI C63.10 | 11.12.2.5.2 | Trace averaging across ON and OFF times of the EUT transmissions followed by duty cycle correction |
|                                     | <input type="checkbox"/>            | ANSI C63.10 | 11.12.2.5.3 | Reduced VBW averaging across ON and OFF times of the EUT transmissions with max hold               |

#### 4.2.4 Test Data

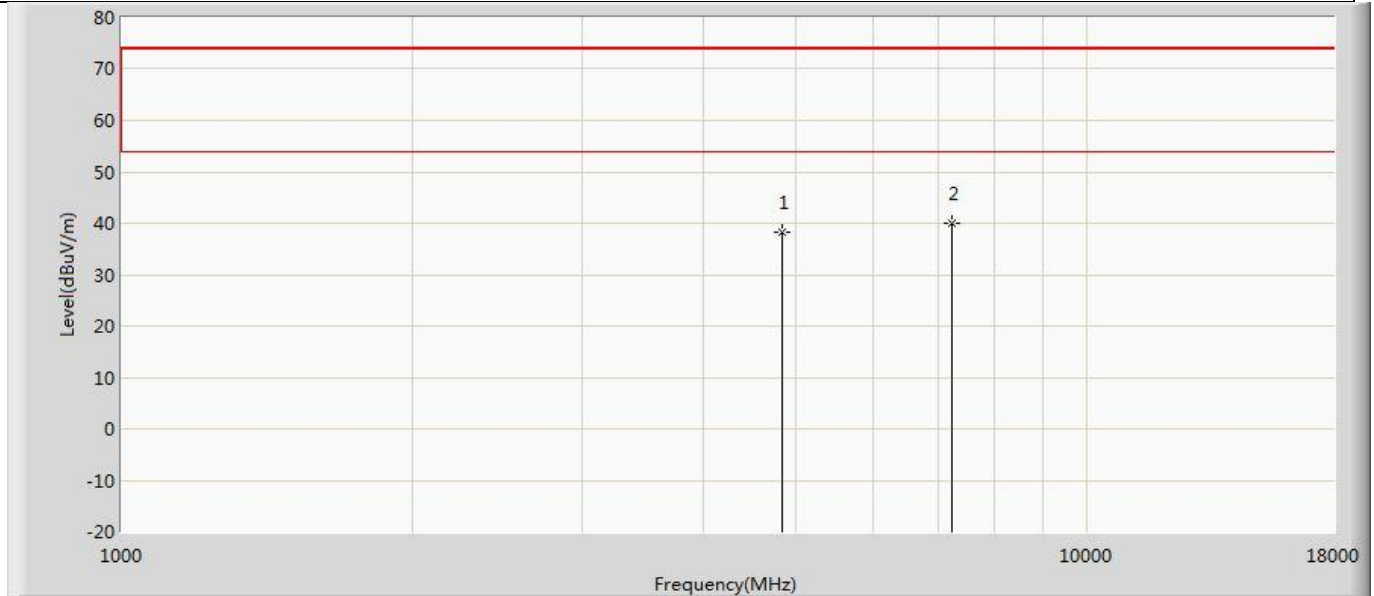
##### Dipole Antenna – MIMO (CDD 2TX)

|                                               |                          |
|-----------------------------------------------|--------------------------|
| Profile: 20B0117R                             | Page No.: 25             |
| Engineer: Neil                                |                          |
| Site: AC5                                     | Time: 2021/01/16 - 10:37 |
| Limit: FCC_Part15.209_RE(3m)                  | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)            | Polarity: Horizontal     |
| EUT: AP510CX                                  | Power: PoE -48V          |
| Note: Mode 1 : Transmit at 2412MHz by 802.11b |                          |



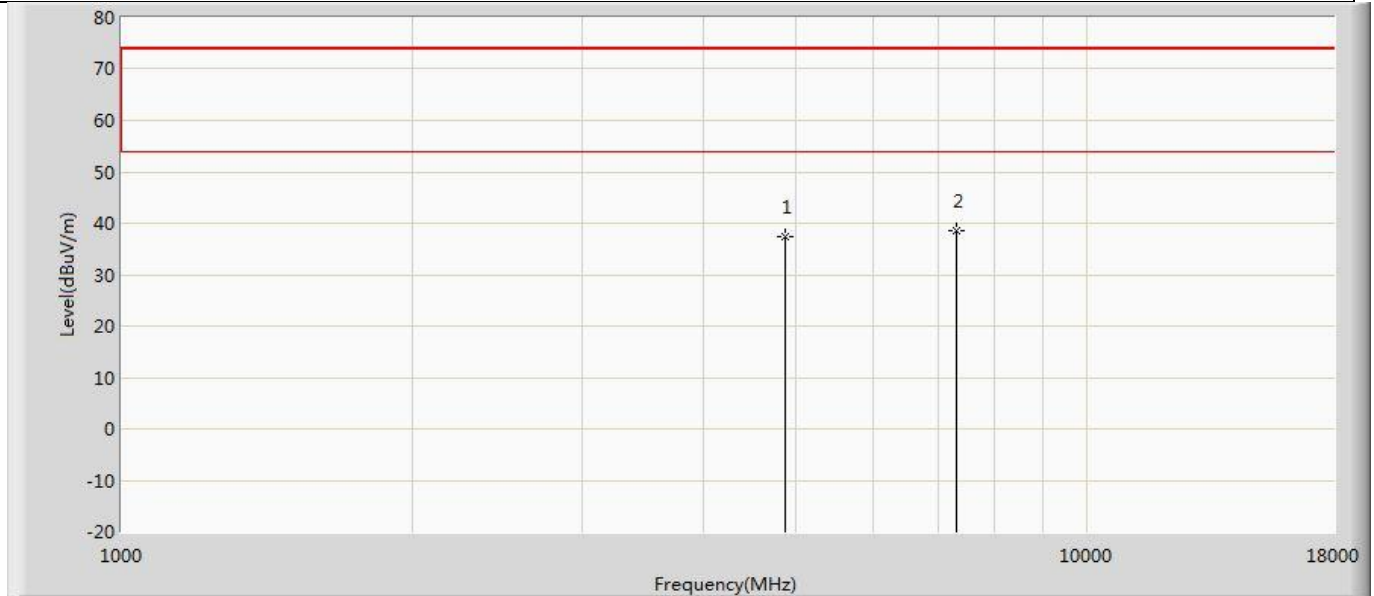
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4824.000       | 37.217                | 43.113              | -36.783        | 74.000        | -5.896     | PK   |
| 2  | *    | 7236.000       | 39.659                | 42.616              | -34.341        | 74.000        | -2.957     | PK   |

|                                               |                          |
|-----------------------------------------------|--------------------------|
| Profile: 20B0117R                             | Page No.: 26             |
| Engineer: Neil                                |                          |
| Site: AC5                                     | Time: 2021/01/16 - 10:37 |
| Limit: FCC_Part15.209_RE(3m)                  | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)            | Polarity: Vertical       |
| EUT: AP510CX                                  | Power: PoE -48V          |
| Note: Mode 1 : Transmit at 2412MHz by 802.11b |                          |



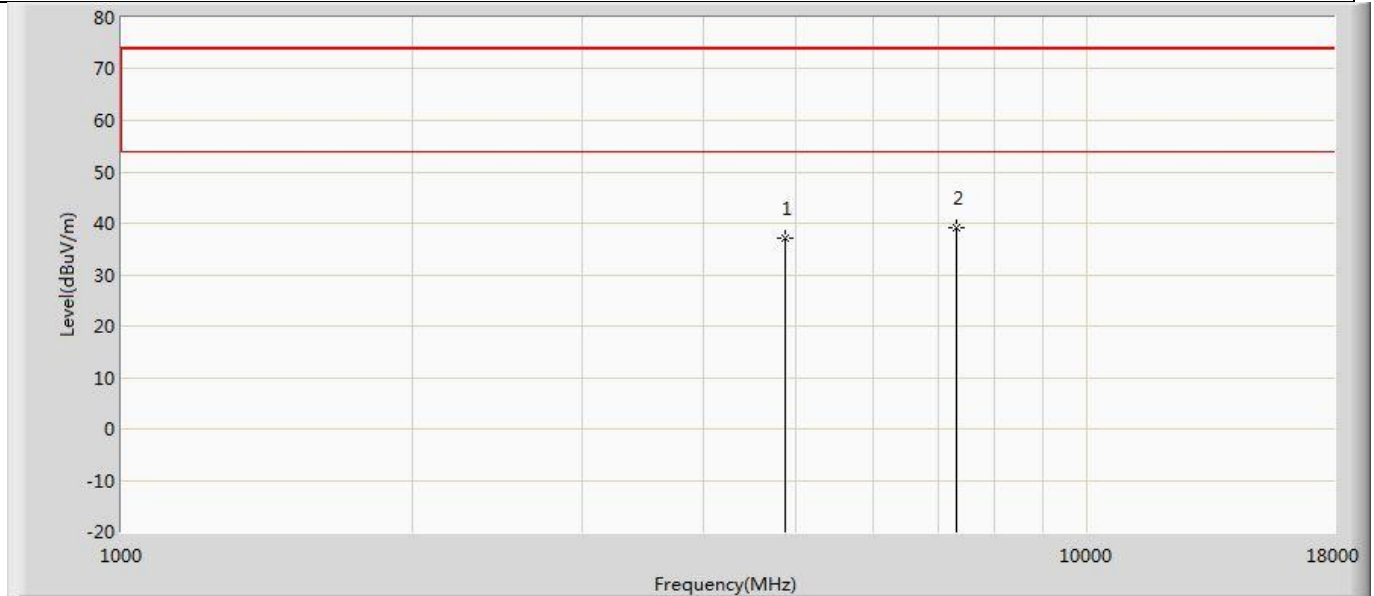
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4824.000       | 38.364                | 44.260              | -35.636        | 74.000        | -5.896     | PK   |
| 2  | *    | 7236.000       | 39.926                | 42.883              | -34.074        | 74.000        | -2.957     | PK   |

|                                               |                          |
|-----------------------------------------------|--------------------------|
| Profile: 20B0117R                             | Page No.: 27             |
| Engineer: Neil                                |                          |
| Site: AC5                                     | Time: 2021/01/16 - 10:37 |
| Limit: FCC_Part15.209_RE(3m)                  | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)            | Polarity: Horizontal     |
| EUT: AP510CX                                  | Power: PoE -48V          |
| Note: Mode 1 : Transmit at 2437MHz by 802.11b |                          |



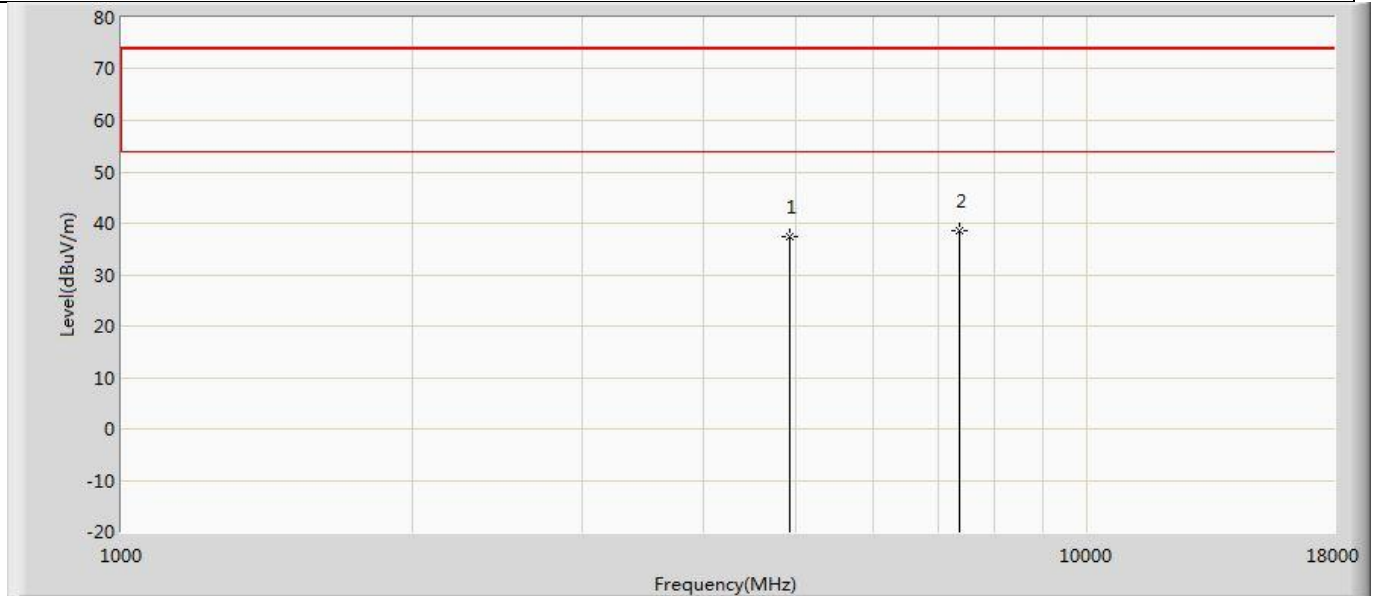
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4874.000       | 37.450                | 43.329              | -36.550        | 74.000        | -5.879     | PK   |
| 2  | *    | 7311.000       | 38.611                | 41.664              | -35.389        | 74.000        | -3.054     | PK   |

|                                               |                          |
|-----------------------------------------------|--------------------------|
| Profile: 20B0117R                             | Page No.: 28             |
| Engineer: Neil                                |                          |
| Site: AC5                                     | Time: 2021/01/16 - 10:37 |
| Limit: FCC_Part15.209_RE(3m)                  | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)            | Polarity: Vertical       |
| EUT: AP510CX                                  | Power: PoE -48V          |
| Note: Mode 1 : Transmit at 2437MHz by 802.11b |                          |



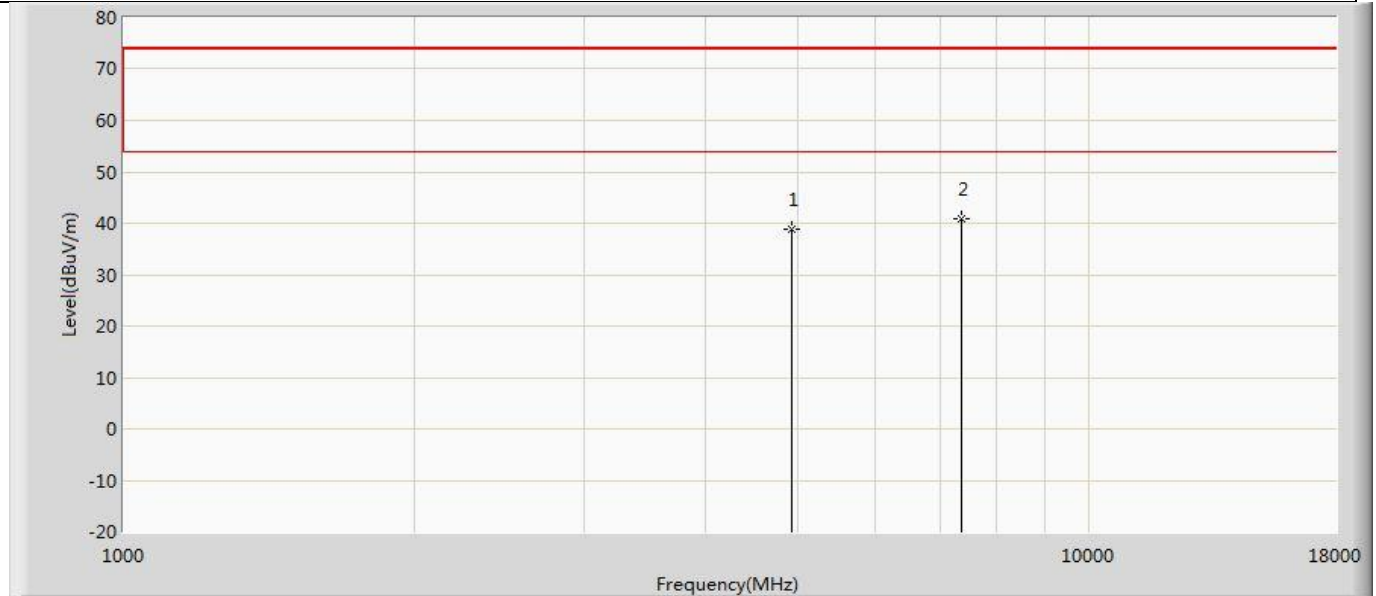
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4874.000       | 37.220                | 43.099              | -36.780        | 74.000        | -5.879     | PK   |
| 2  | *    | 7311.000       | 39.266                | 42.319              | -34.734        | 74.000        | -3.054     | PK   |

|                                               |                          |
|-----------------------------------------------|--------------------------|
| Profile: 20B0117R                             | Page No.: 29             |
| Engineer: Neil                                |                          |
| Site: AC5                                     | Time: 2021/01/16 - 10:37 |
| Limit: FCC_Part15.209_RE(3m)                  | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)            | Polarity: Horizontal     |
| EUT: AP510CX                                  | Power: PoE -48V          |
| Note: Mode 1 : Transmit at 2462MHz by 802.11b |                          |



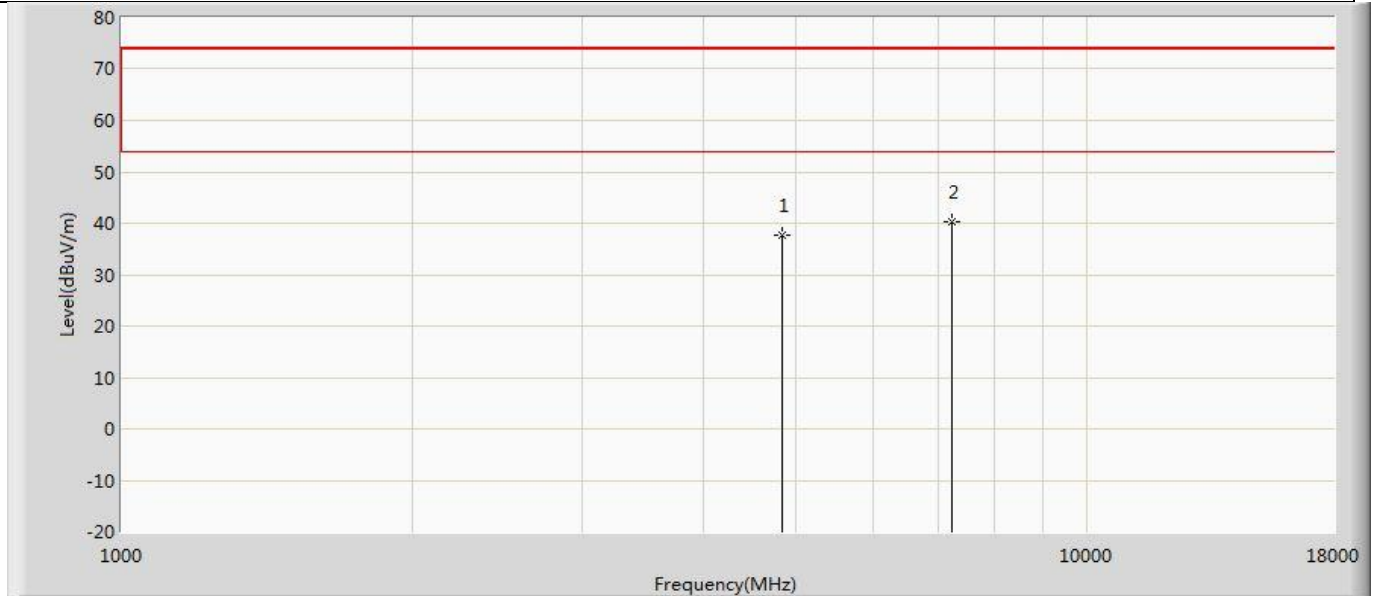
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4924.000       | 37.521                | 43.448              | -36.479        | 74.000        | -5.927     | PK   |
| 2  | *    | 7386.000       | 38.679                | 41.714              | -35.321        | 74.000        | -3.035     | PK   |

|                                               |                          |
|-----------------------------------------------|--------------------------|
| Profile: 20B0117R                             | Page No.: 30             |
| Engineer: Neil                                |                          |
| Site: AC5                                     | Time: 2021/01/16 - 10:37 |
| Limit: FCC_Part15.209_RE(3m)                  | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)            | Polarity: Vertical       |
| EUT: AP510CX                                  | Power: PoE -48V          |
| Note: Mode 1 : Transmit at 2462MHz by 802.11b |                          |



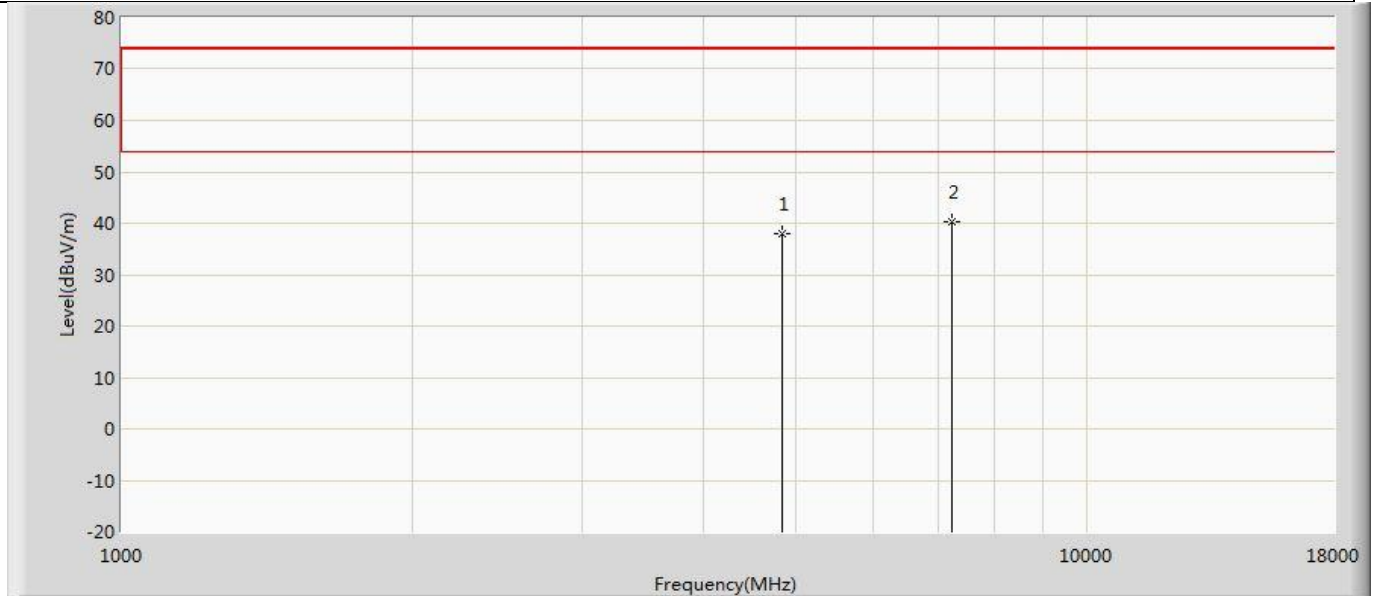
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4924.000       | 38.886                | 44.813              | -35.114        | 74.000        | -5.927     | PK   |
| 2  | *    | 7386.000       | 40.810                | 43.845              | -33.190        | 74.000        | -3.035     | PK   |

|                                               |                          |
|-----------------------------------------------|--------------------------|
| Profile: 20B0117R                             | Page No.: 31             |
| Engineer: Neil                                |                          |
| Site: AC5                                     | Time: 2021/01/16 - 10:38 |
| Limit: FCC_Part15.209_RE(3m)                  | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)            | Polarity: Horizontal     |
| EUT: AP510CX                                  | Power: PoE -48V          |
| Note: Mode 2 : Transmit at 2412MHz by 802.11g |                          |



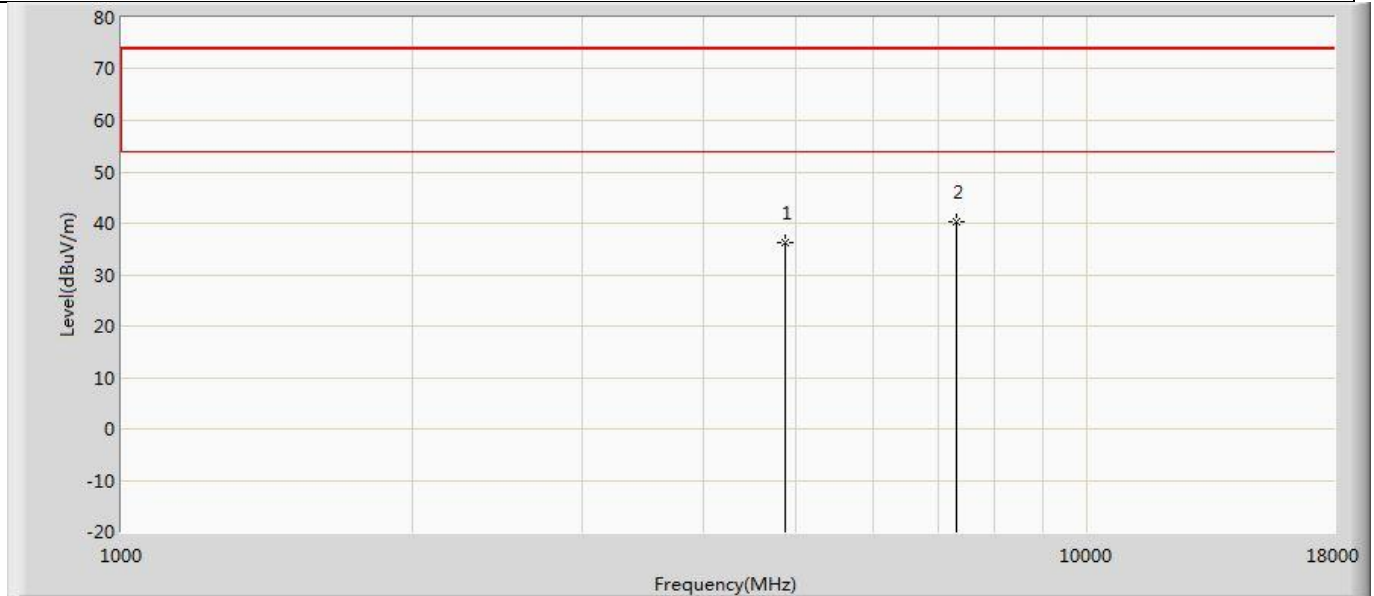
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4824.000       | 37.813                | 43.709              | -36.187        | 74.000        | -5.896     | PK   |
| 2  | *    | 7236.000       | 40.289                | 43.246              | -33.711        | 74.000        | -2.957     | PK   |

|                                               |                          |
|-----------------------------------------------|--------------------------|
| Profile: 20B0117R                             | Page No.: 32             |
| Engineer: Neil                                |                          |
| Site: AC5                                     | Time: 2021/01/16 - 10:38 |
| Limit: FCC_Part15.209_RE(3m)                  | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)            | Polarity: Vertical       |
| EUT: AP510CX                                  | Power: PoE -48V          |
| Note: Mode 2 : Transmit at 2412MHz by 802.11g |                          |



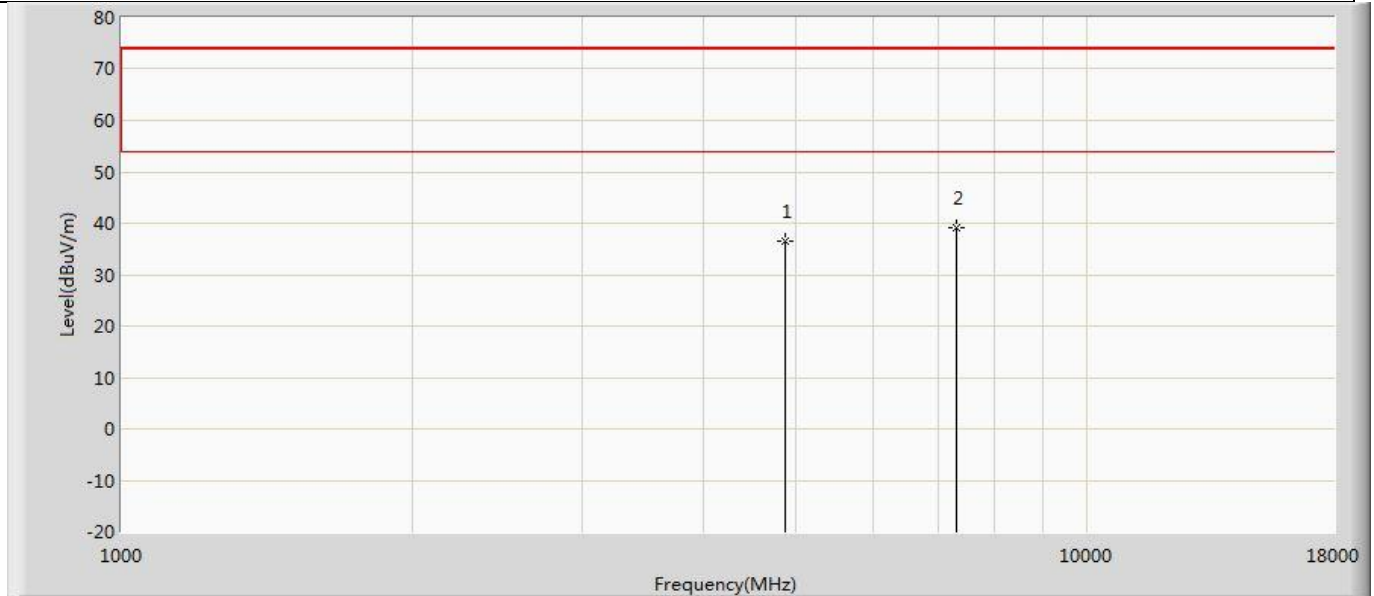
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4824.000       | 37.911                | 43.807              | -36.089        | 74.000        | -5.896     | PK   |
| 2  | *    | 7236.000       | 40.423                | 43.380              | -33.577        | 74.000        | -2.957     | PK   |

|                                               |                          |
|-----------------------------------------------|--------------------------|
| Profile: 20B0117R                             | Page No.: 33             |
| Engineer: Neil                                |                          |
| Site: AC5                                     | Time: 2021/01/16 - 10:38 |
| Limit: FCC_Part15.209_RE(3m)                  | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)            | Polarity: Horizontal     |
| EUT: AP510CX                                  | Power: PoE -48V          |
| Note: Mode 2 : Transmit at 2437MHz by 802.11g |                          |



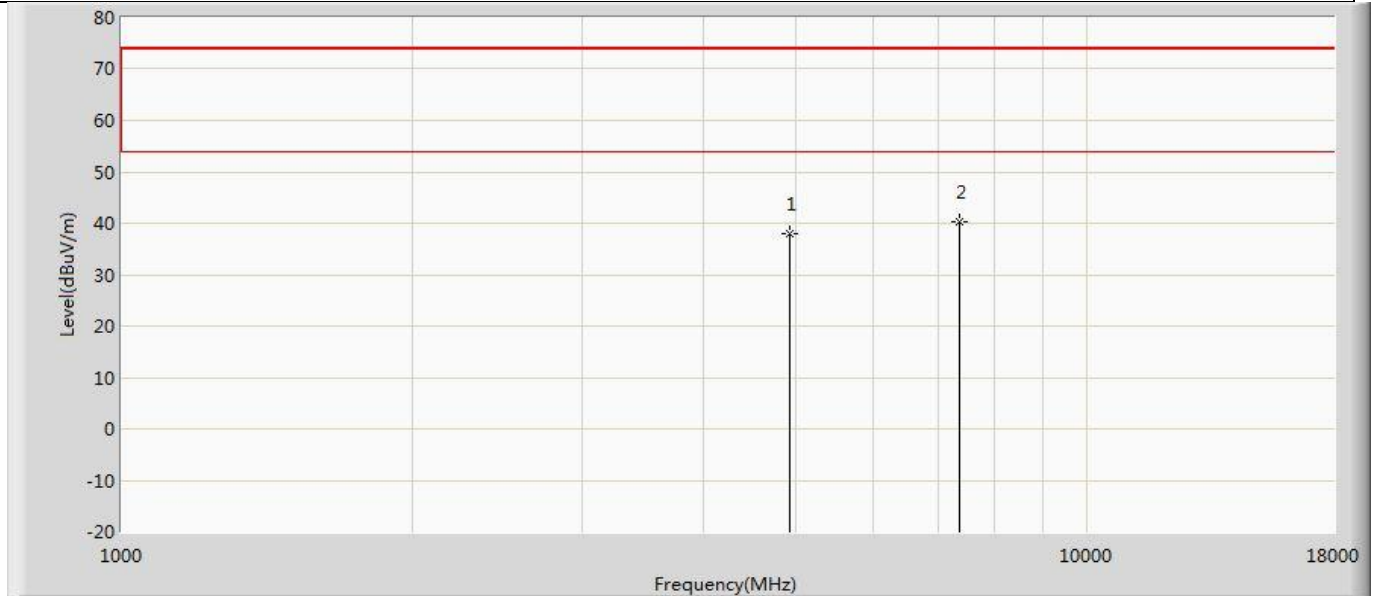
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4874.000       | 36.323                | 42.202              | -37.677        | 74.000        | -5.879     | PK   |
| 2  | *    | 7311.000       | 40.259                | 43.312              | -33.741        | 74.000        | -3.054     | PK   |

|                                               |                          |
|-----------------------------------------------|--------------------------|
| Profile: 20B0117R                             | Page No.: 34             |
| Engineer: Neil                                |                          |
| Site: AC5                                     | Time: 2021/01/16 - 10:38 |
| Limit: FCC_Part15.209_RE(3m)                  | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)            | Polarity: Vertical       |
| EUT: AP510CX                                  | Power: PoE -48V          |
| Note: Mode 2 : Transmit at 2437MHz by 802.11g |                          |



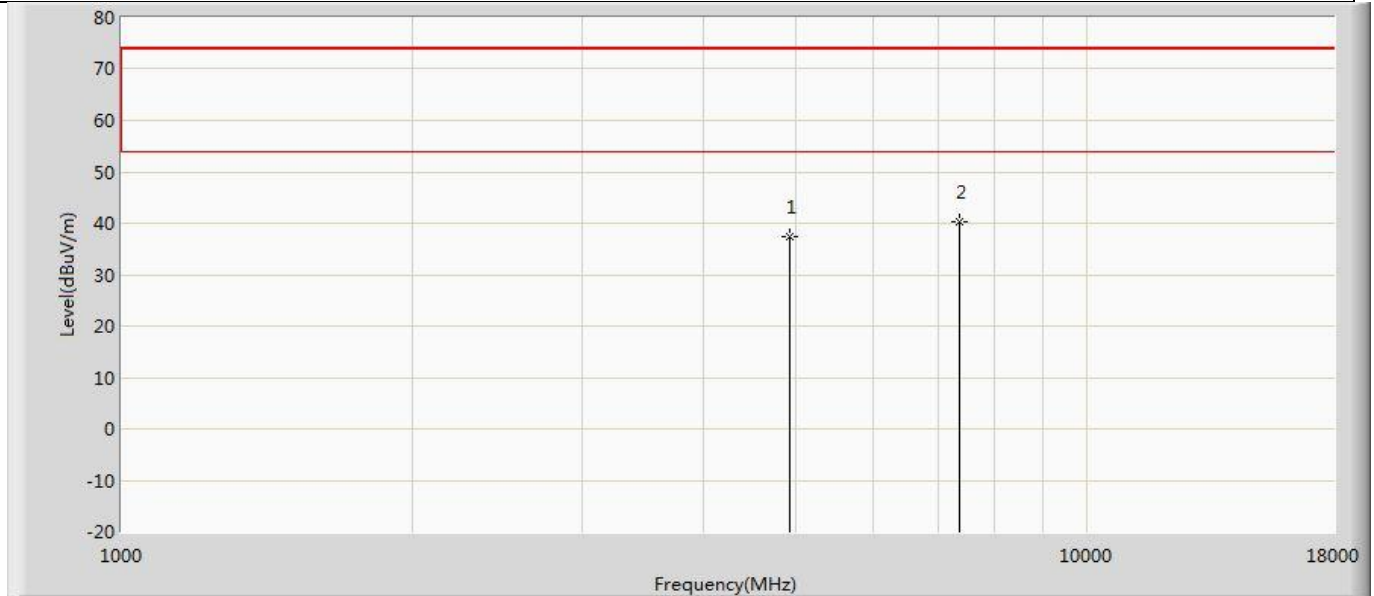
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4874.000       | 36.600                | 42.479              | -37.400        | 74.000        | -5.879     | PK   |
| 2  | *    | 7311.000       | 39.093                | 42.146              | -34.907        | 74.000        | -3.054     | PK   |

|                                               |                          |
|-----------------------------------------------|--------------------------|
| Profile: 20B0117R                             | Page No.: 35             |
| Engineer: Neil                                |                          |
| Site: AC5                                     | Time: 2021/01/16 - 10:38 |
| Limit: FCC_Part15.209_RE(3m)                  | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)            | Polarity: Horizontal     |
| EUT: AP510CX                                  | Power: PoE -48V          |
| Note: Mode 2 : Transmit at 2462MHz by 802.11g |                          |



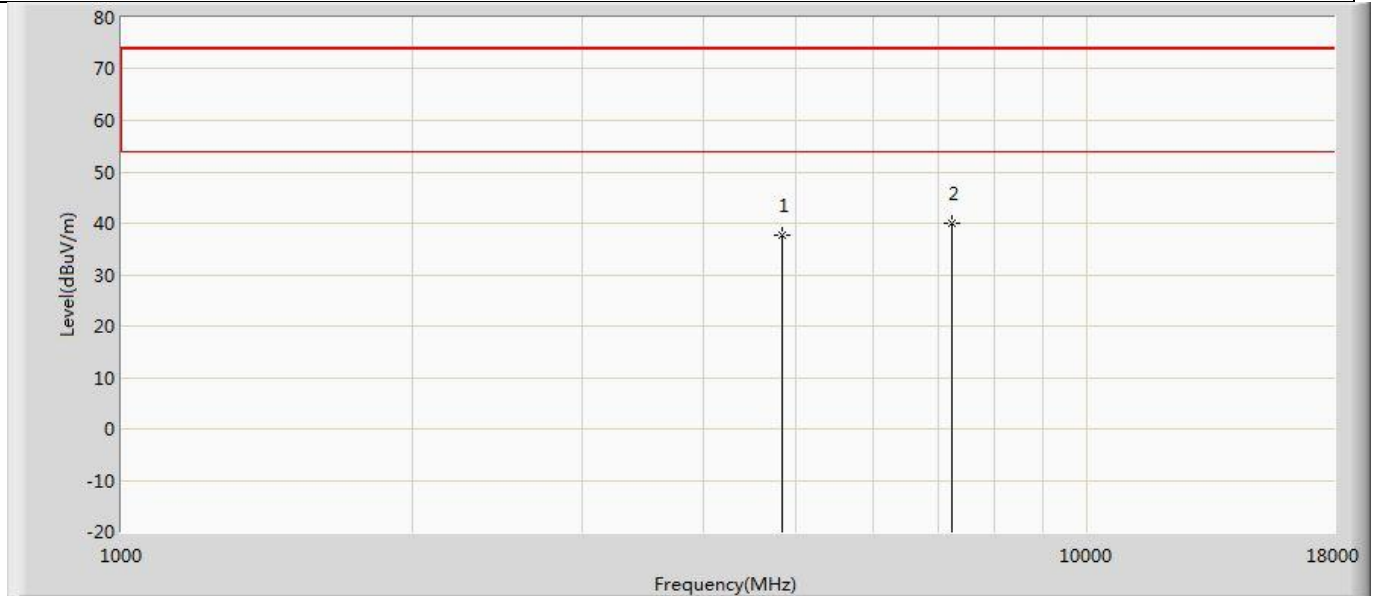
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4924.000       | 37.880                | 43.807              | -36.120        | 74.000        | -5.927     | PK   |
| 2  | *    | 7386.000       | 40.155                | 43.190              | -33.845        | 74.000        | -3.035     | PK   |

|                                               |                          |
|-----------------------------------------------|--------------------------|
| Profile: 20B0117R                             | Page No.: 36             |
| Engineer: Neil                                |                          |
| Site: AC5                                     | Time: 2021/01/16 - 10:38 |
| Limit: FCC_Part15.209_RE(3m)                  | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)            | Polarity: Vertical       |
| EUT: AP510CX                                  | Power: PoE -48V          |
| Note: Mode 2 : Transmit at 2462MHz by 802.11g |                          |



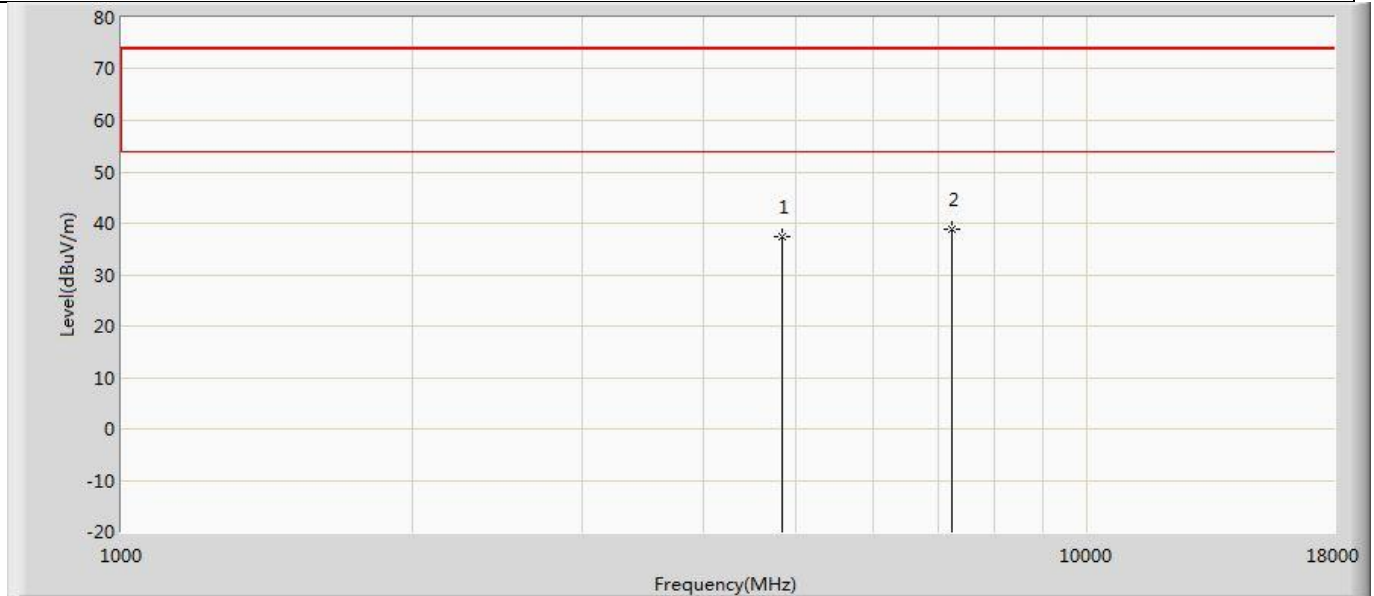
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4924.000       | 37.413                | 43.340              | -36.587        | 74.000        | -5.927     | PK   |
| 2  | *    | 7386.000       | 40.274                | 43.309              | -33.726        | 74.000        | -3.035     | PK   |

|                                                      |                          |
|------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                    | Page No.: 37             |
| Engineer: Neil                                       |                          |
| Site: AC5                                            | Time: 2021/01/16 - 10:38 |
| Limit: FCC_Part15.209_RE(3m)                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                   | Polarity: Horizontal     |
| EUT: AP510CX                                         | Power: PoE -48V          |
| Note: Mode 3 : Transmit at 2412MHz by 802.11n(20MHz) |                          |



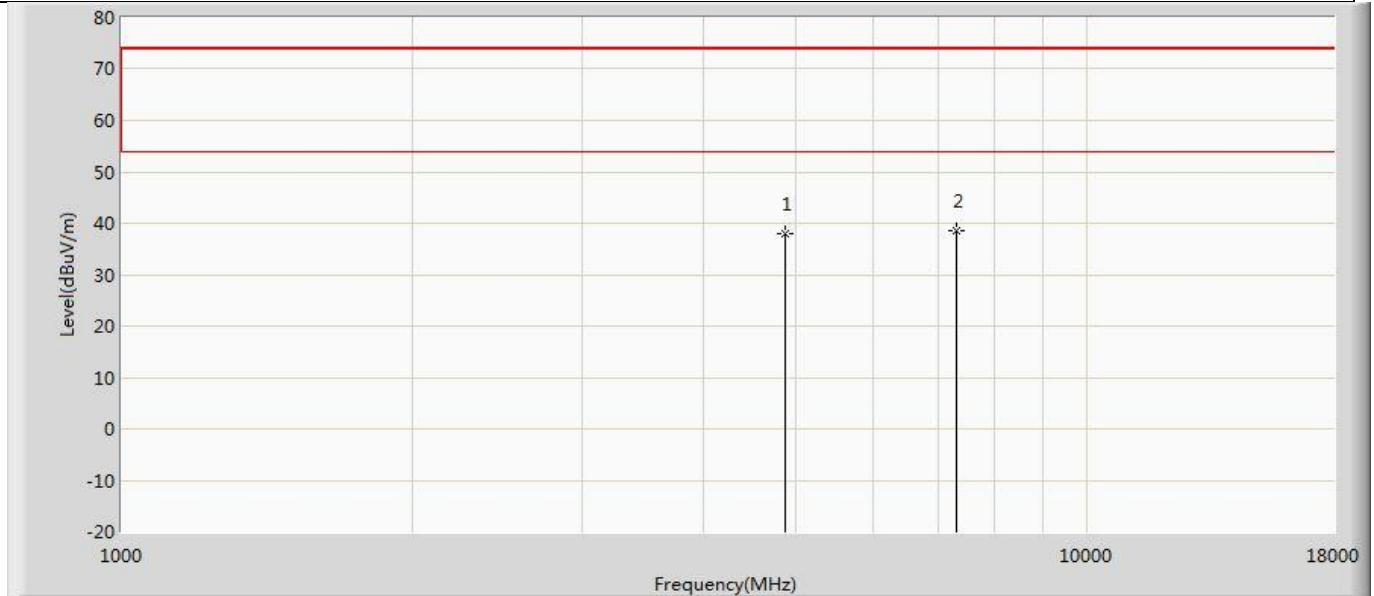
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4824.000       | 37.737                | 43.633              | -36.263        | 74.000        | -5.896     | PK   |
| 2  | *    | 7236.000       | 39.948                | 42.905              | -34.052        | 74.000        | -2.957     | PK   |

|                                                      |                          |
|------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                    | Page No.: 38             |
| Engineer: Neil                                       |                          |
| Site: AC5                                            | Time: 2021/01/16 - 10:38 |
| Limit: FCC_Part15.209_RE(3m)                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                   | Polarity: Vertical       |
| EUT: AP510CX                                         | Power: PoE -48V          |
| Note: Mode 3 : Transmit at 2412MHz by 802.11n(20MHz) |                          |



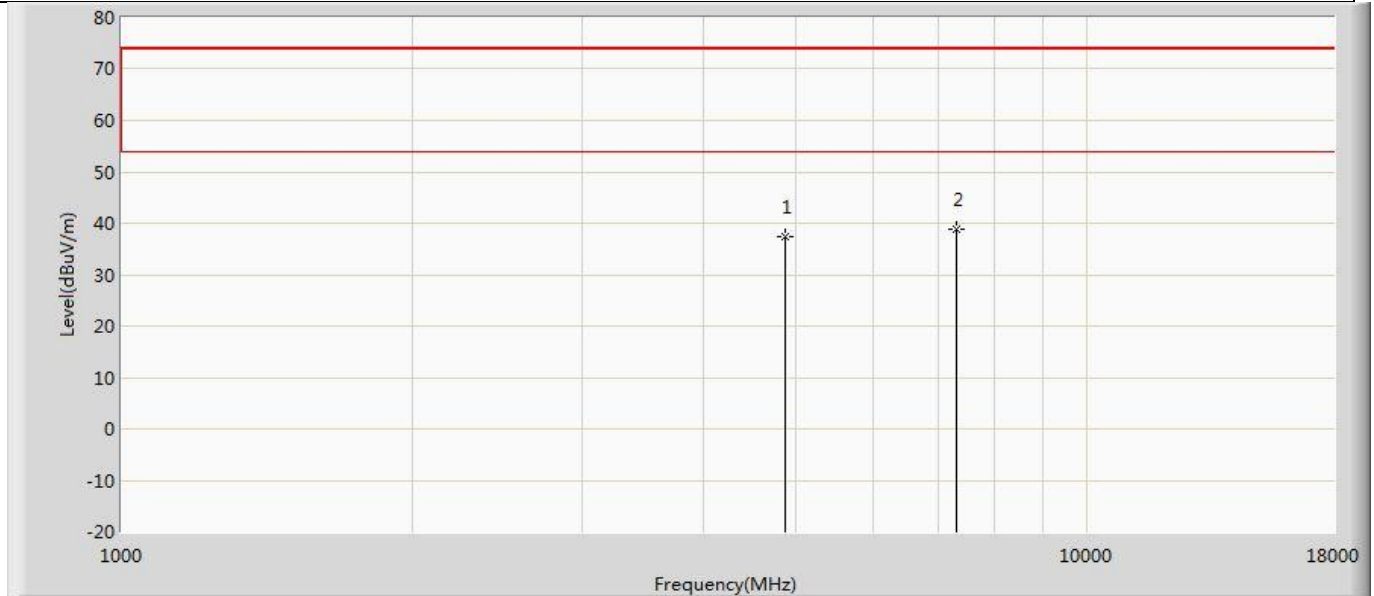
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4824.000       | 37.468                | 43.364              | -36.532        | 74.000        | -5.896     | PK   |
| 2  | *    | 7236.000       | 38.952                | 41.909              | -35.048        | 74.000        | -2.957     | PK   |

|                                                      |                          |
|------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                    | Page No.: 39             |
| Engineer: Neil                                       |                          |
| Site: AC5                                            | Time: 2021/01/16 - 10:38 |
| Limit: FCC_Part15.209_RE(3m)                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                   | Polarity: Horizontal     |
| EUT: AP510CX                                         | Power: PoE -48V          |
| Note: Mode 3 : Transmit at 2437MHz by 802.11n(20MHz) |                          |



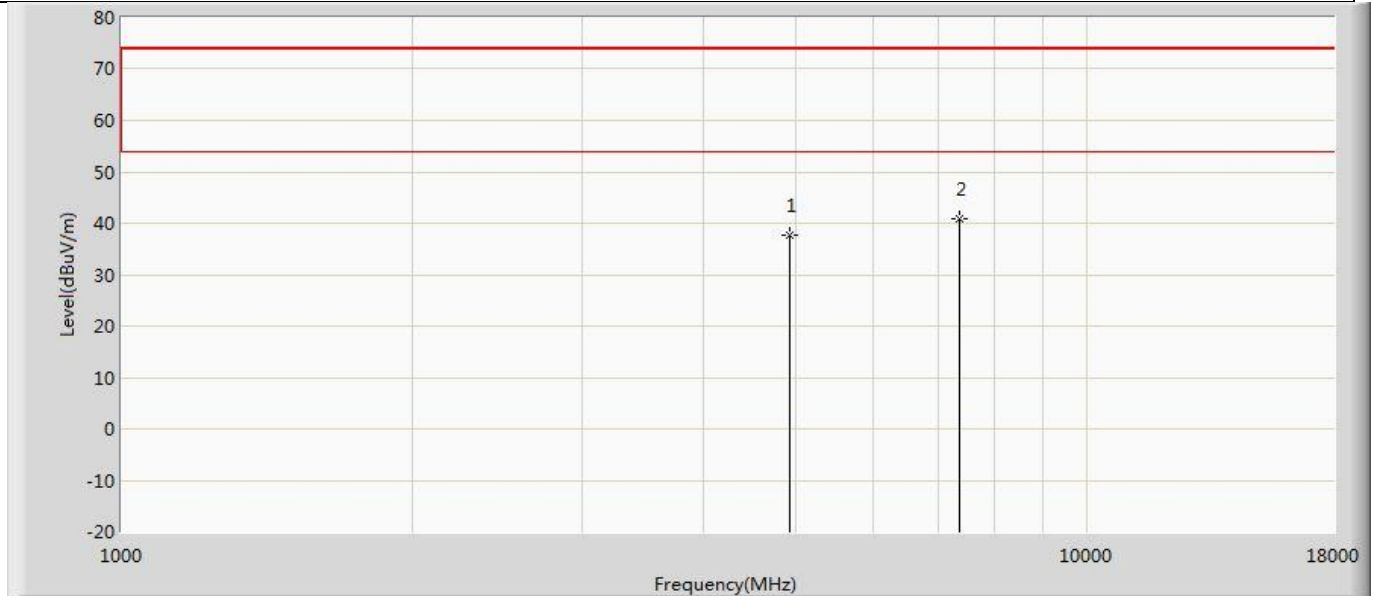
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4874.000       | 38.007                | 43.886              | -35.993        | 74.000        | -5.879     | PK   |
| 2  | *    | 7311.000       | 38.458                | 41.511              | -35.542        | 74.000        | -3.054     | PK   |

|                                                      |                          |
|------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                    | Page No.: 40             |
| Engineer: Neil                                       |                          |
| Site: AC5                                            | Time: 2021/01/16 - 10:38 |
| Limit: FCC_Part15.209_RE(3m)                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                   | Polarity: Vertical       |
| EUT: AP510CX                                         | Power: PoE -48V          |
| Note: Mode 3 : Transmit at 2437MHz by 802.11n(20MHz) |                          |



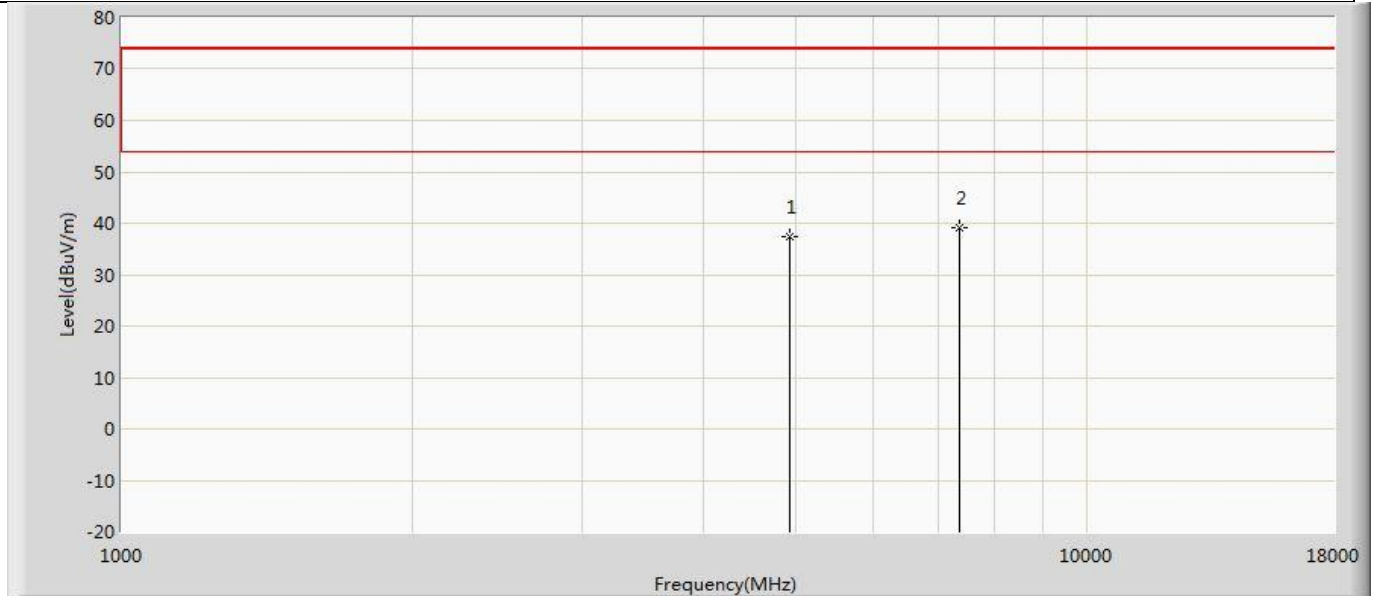
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4874.000       | 37.329                | 43.208              | -36.671        | 74.000        | -5.879     | PK   |
| 2  | *    | 7311.000       | 38.746                | 41.799              | -35.254        | 74.000        | -3.054     | PK   |

|                                                      |                          |
|------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                    | Page No.: 41             |
| Engineer: Neil                                       |                          |
| Site: AC5                                            | Time: 2021/01/16 - 10:38 |
| Limit: FCC_Part15.209_RE(3m)                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                   | Polarity: Horizontal     |
| EUT: AP510CX                                         | Power: PoE -48V          |
| Note: Mode 3 : Transmit at 2462MHz by 802.11n(20MHz) |                          |



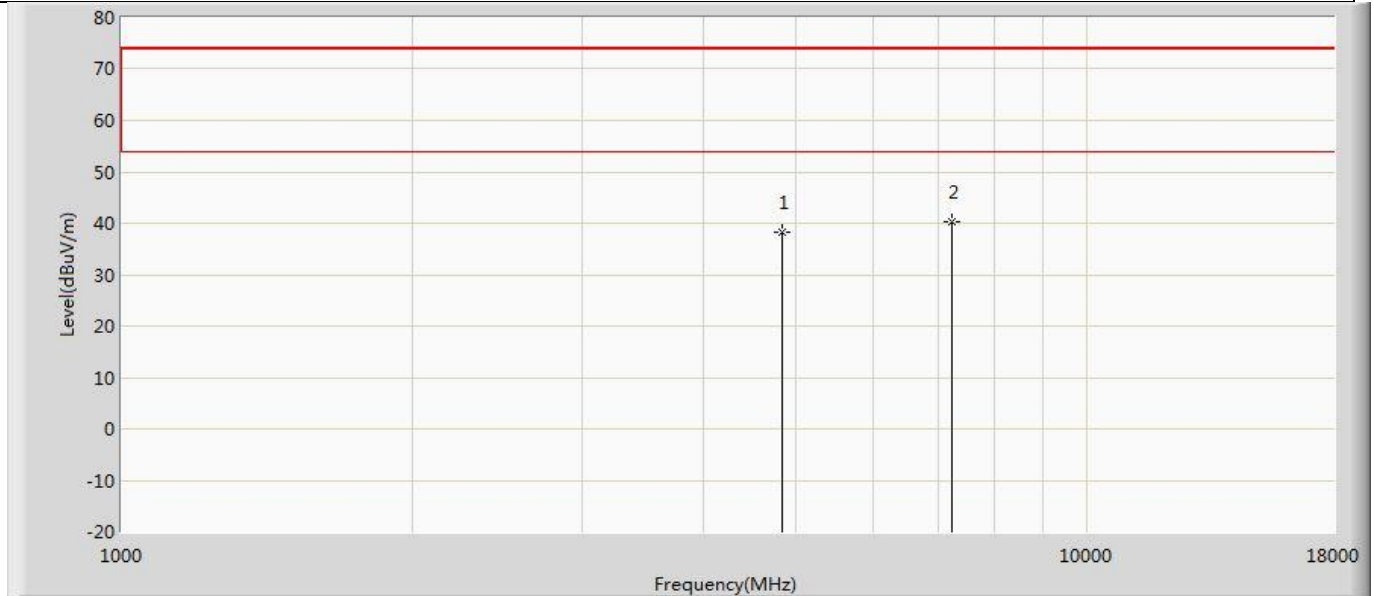
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4924.000       | 37.823                | 43.750              | -36.177        | 74.000        | -5.927     | PK   |
| 2  | *    | 7386.000       | 40.956                | 43.991              | -33.044        | 74.000        | -3.035     | PK   |

|                                                      |                          |
|------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                    | Page No.: 42             |
| Engineer: Neil                                       |                          |
| Site: AC5                                            | Time: 2021/01/16 - 10:38 |
| Limit: FCC_Part15.209_RE(3m)                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                   | Polarity: Vertical       |
| EUT: AP510CX                                         | Power: PoE -48V          |
| Note: Mode 3 : Transmit at 2462MHz by 802.11n(20MHz) |                          |



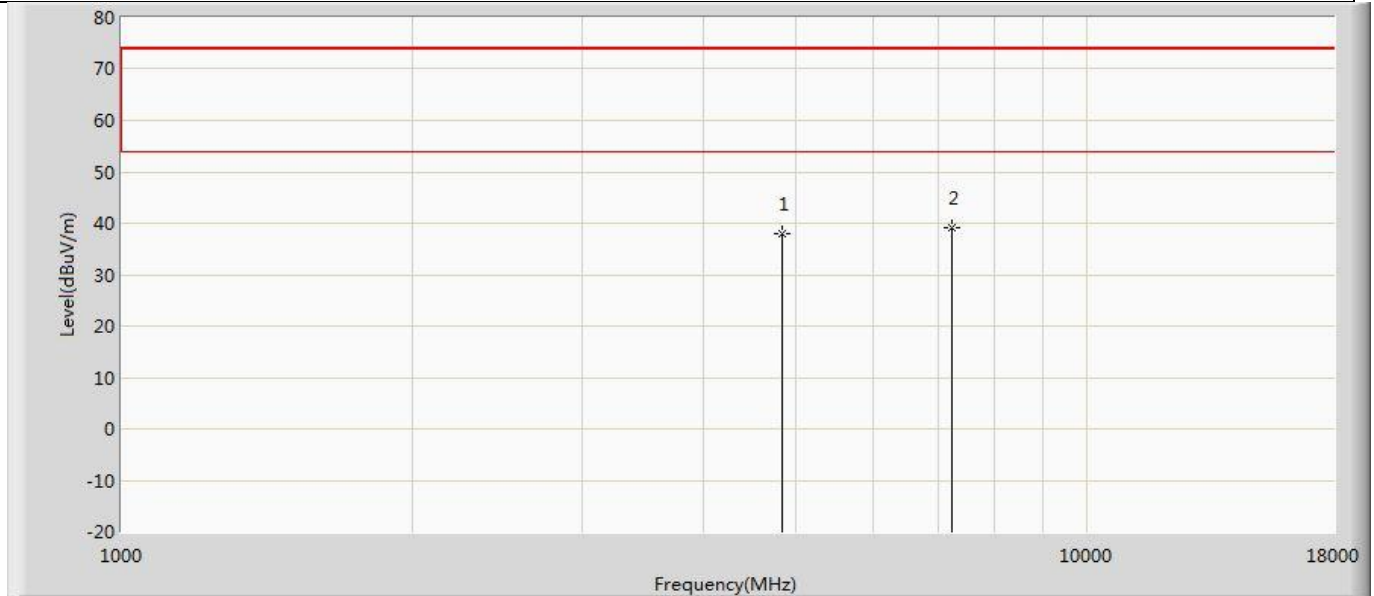
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4924.000       | 37.299                | 43.226              | -36.701        | 74.000        | -5.927     | PK   |
| 2  | *    | 7386.000       | 38.990                | 42.025              | -35.010        | 74.000        | -3.035     | PK   |

|                                                       |                          |
|-------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                     | Page No.: 43             |
| Engineer: Neil                                        |                          |
| Site: AC5                                             | Time: 2021/01/16 - 10:38 |
| Limit: FCC_Part15.209_RE(3m)                          | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                    | Polarity: Horizontal     |
| EUT: AP510CX                                          | Power: PoE -48V          |
| Note: Mode 4 : Transmit at 2412MHz by 802.11ax(20MHz) |                          |



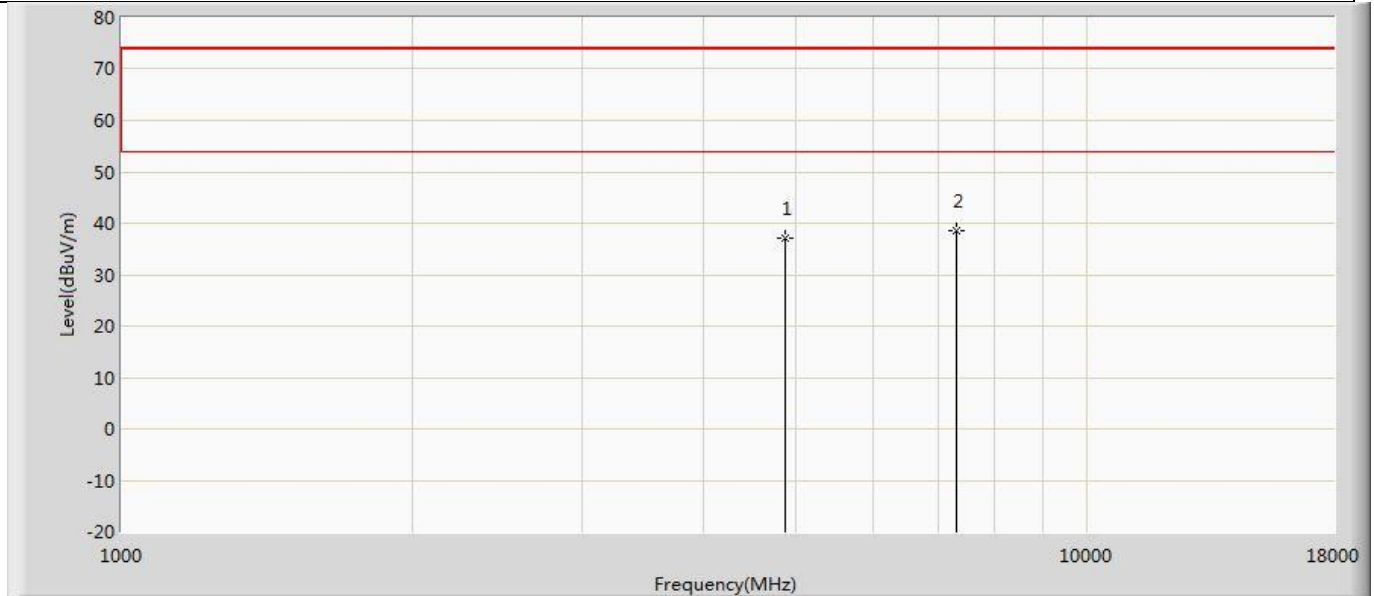
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4824.000       | 38.194                | 44.090              | -35.806        | 74.000        | -5.896     | PK   |
| 2  | *    | 7236.000       | 40.212                | 43.169              | -33.788        | 74.000        | -2.957     | PK   |

|                                                       |                          |
|-------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                     | Page No.: 44             |
| Engineer: Neil                                        |                          |
| Site: AC5                                             | Time: 2021/01/16 - 10:38 |
| Limit: FCC_Part15.209_RE(3m)                          | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                    | Polarity: Vertical       |
| EUT: AP510CX                                          | Power: PoE -48V          |
| Note: Mode 4 : Transmit at 2412MHz by 802.11ax(20MHz) |                          |



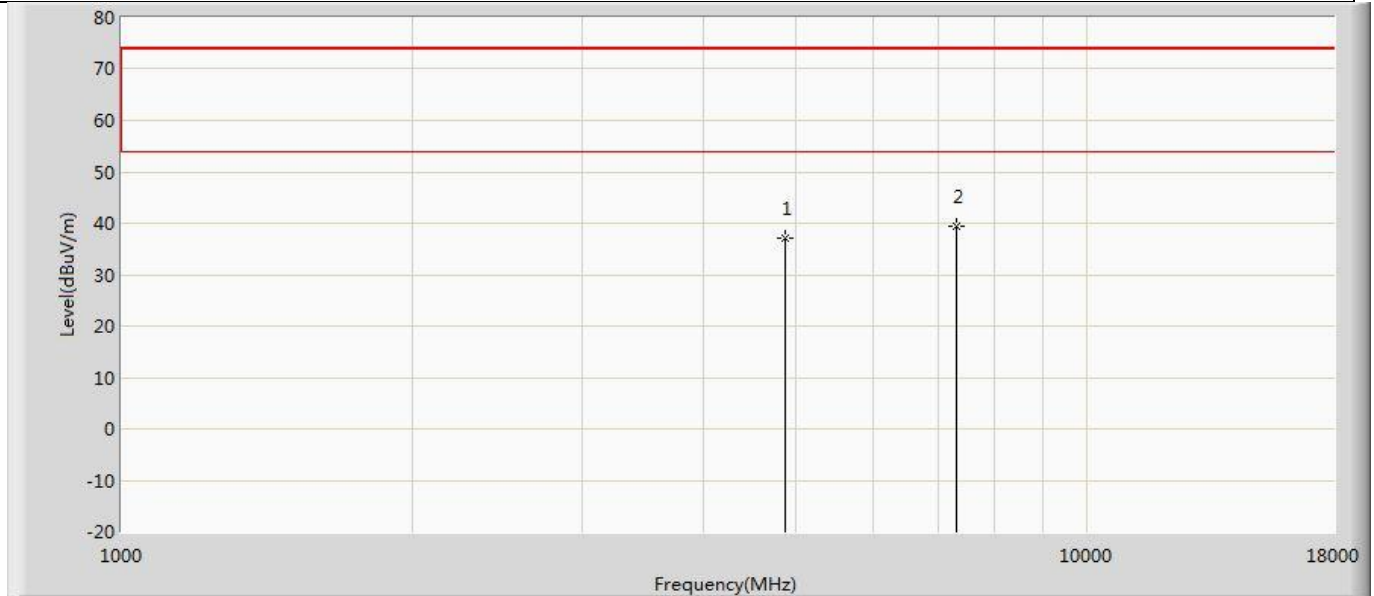
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4824.000       | 37.933                | 43.829              | -36.067        | 74.000        | -5.896     | PK   |
| 2  | *    | 7236.000       | 39.031                | 41.988              | -34.969        | 74.000        | -2.957     | PK   |

|                                                       |                          |
|-------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                     | Page No.: 45             |
| Engineer: Neil                                        |                          |
| Site: AC5                                             | Time: 2021/01/16 - 10:38 |
| Limit: FCC_Part15.209_RE(3m)                          | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                    | Polarity: Horizontal     |
| EUT: AP510CX                                          | Power: PoE -48V          |
| Note: Mode 4 : Transmit at 2437MHz by 802.11ax(20MHz) |                          |



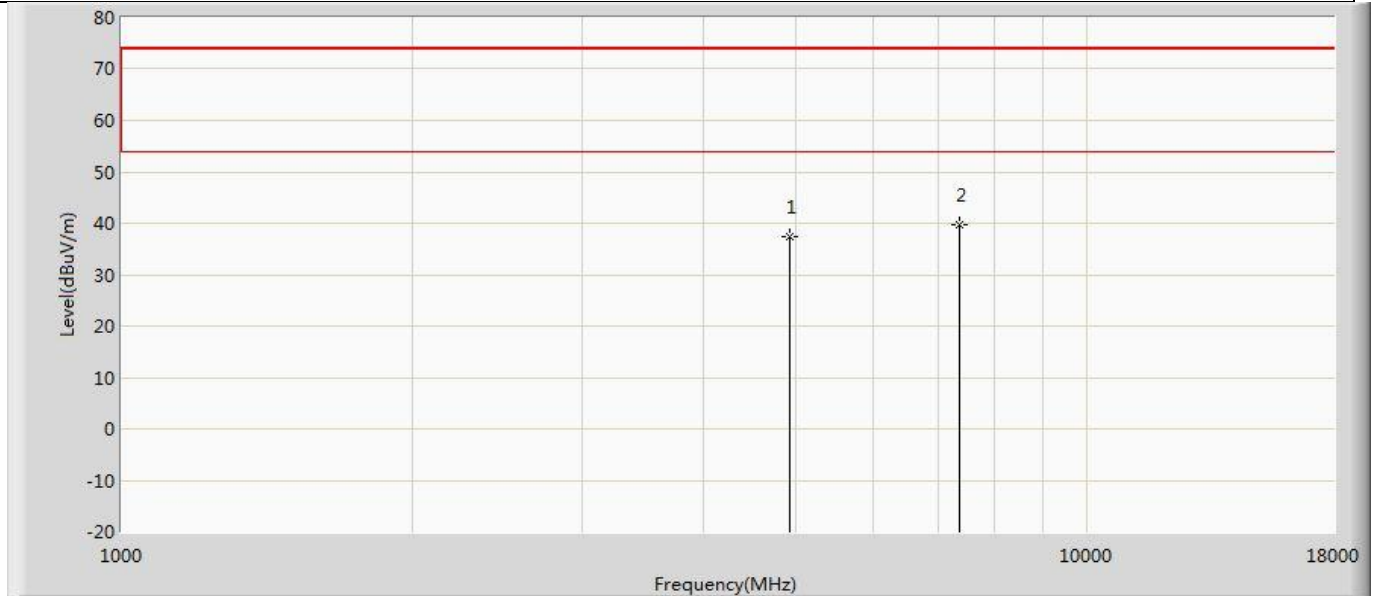
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4874.000       | 36.998                | 42.877              | -37.002        | 74.000        | -5.879     | PK   |
| 2  | *    | 7311.000       | 38.574                | 41.627              | -35.426        | 74.000        | -3.054     | PK   |

|                                                       |                          |
|-------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                     | Page No.: 46             |
| Engineer: Neil                                        |                          |
| Site: AC5                                             | Time: 2021/01/16 - 10:38 |
| Limit: FCC_Part15.209_RE(3m)                          | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                    | Polarity: Vertical       |
| EUT: AP510CX                                          | Power: PoE -48V          |
| Note: Mode 4 : Transmit at 2437MHz by 802.11ax(20MHz) |                          |



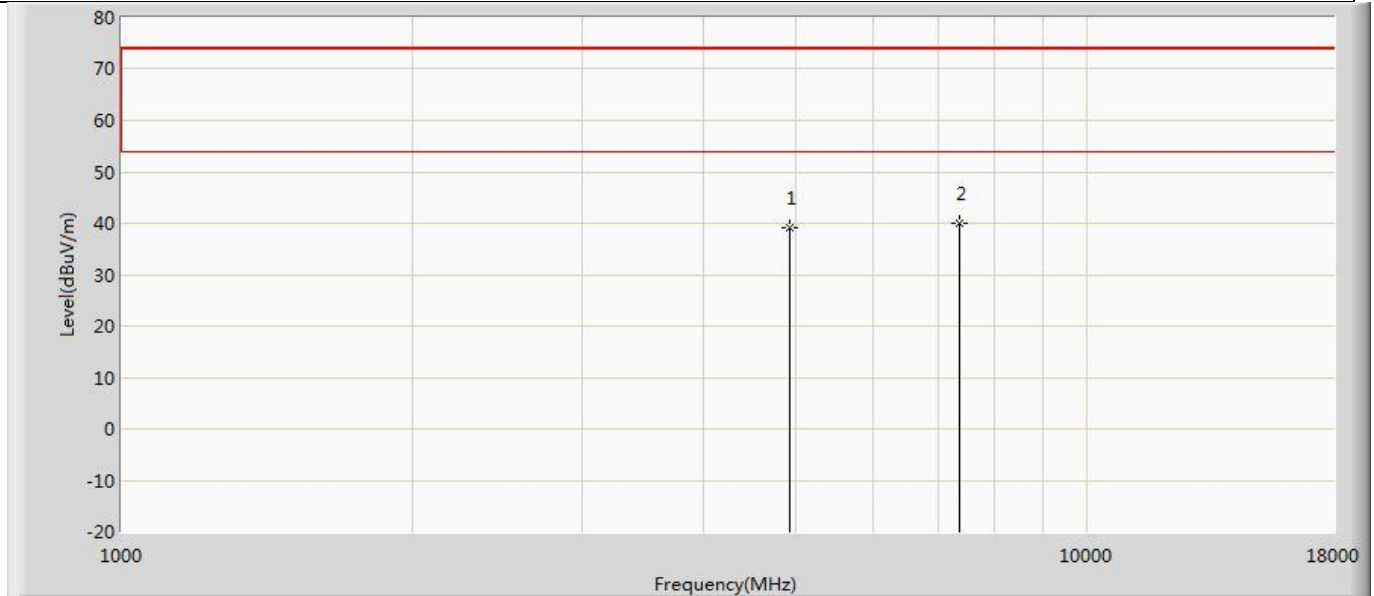
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4874.000       | 37.082                | 42.961              | -36.918        | 74.000        | -5.879     | PK   |
| 2  | *    | 7311.000       | 39.373                | 42.426              | -34.627        | 74.000        | -3.054     | PK   |

|                                                       |                          |
|-------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                     | Page No.: 47             |
| Engineer: Neil                                        |                          |
| Site: AC5                                             | Time: 2021/01/16 - 10:38 |
| Limit: FCC_Part15.209_RE(3m)                          | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                    | Polarity: Horizontal     |
| EUT: AP510CX                                          | Power: PoE -48V          |
| Note: Mode 4 : Transmit at 2462MHz by 802.11ax(20MHz) |                          |



| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4924.000       | 37.531                | 43.458              | -36.469        | 74.000        | -5.927     | PK   |
| 2  | *    | 7386.000       | 39.654                | 42.689              | -34.346        | 74.000        | -3.035     | PK   |

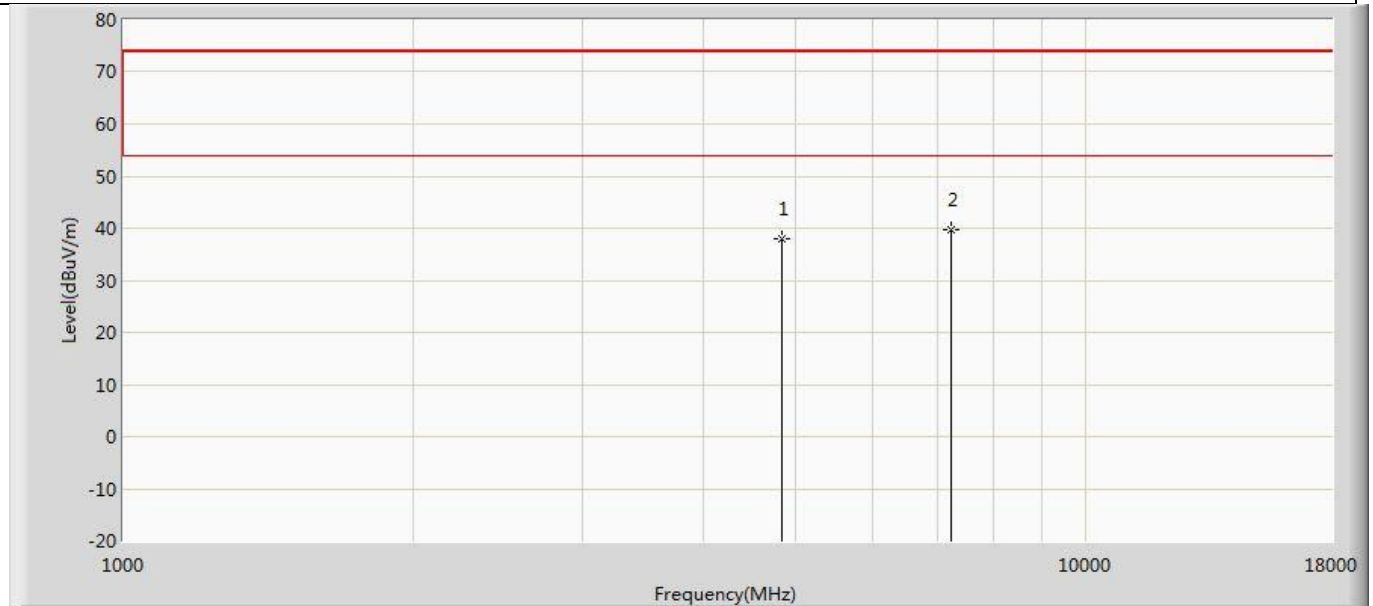
|                                                       |                          |
|-------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                     | Page No.: 48             |
| Engineer: Neil                                        |                          |
| Site: AC5                                             | Time: 2021/01/16 - 10:39 |
| Limit: FCC_Part15.209_RE(3m)                          | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                    | Polarity: Vertical       |
| EUT: AP510CX                                          | Power: PoE -48V          |
| Note: Mode 4 : Transmit at 2462MHz by 802.11ax(20MHz) |                          |



| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4924.000       | 39.260                | 45.187              | -34.740        | 74.000        | -5.927     | PK   |
| 2  | *    | 7386.000       | 39.916                | 42.951              | -34.084        | 74.000        | -3.035     | PK   |

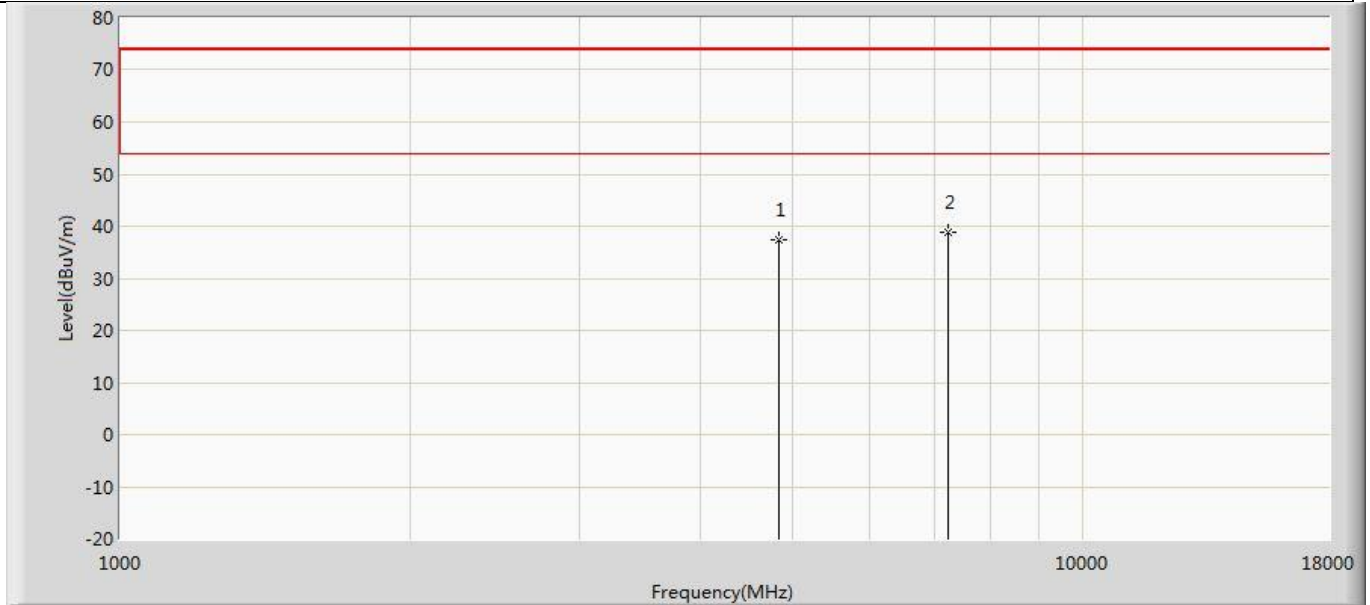
**Dipole Antenna – MIMO (Beamforming 2TX)**

|                                                      |                          |
|------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                    | Page No.: 13             |
| Engineer: Neil                                       |                          |
| Site: AC5                                            | Time: 2021/01/16 - 10:54 |
| Limit: FCC_Part15.209_RE(3m)                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                   | Polarity: Horizontal     |
| EUT: AP510CX                                         | Power: PoE -48V          |
| Note: Mode 1 : Transmit at 2412MHz by 802.11n(20MHz) |                          |



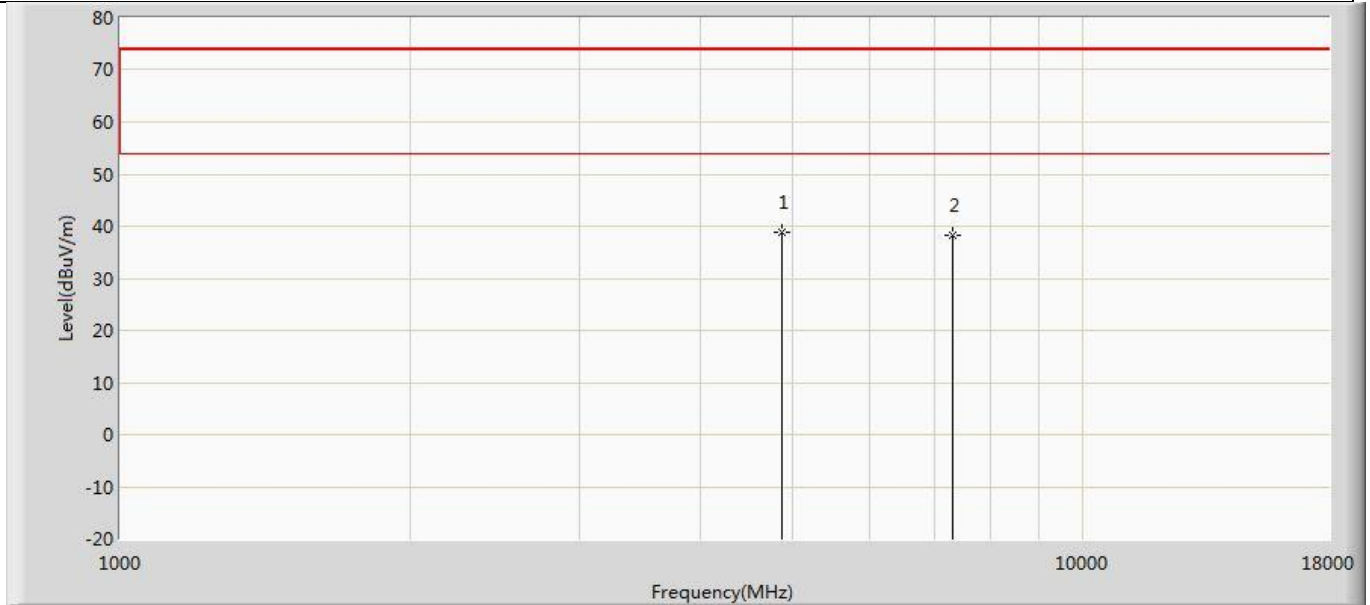
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4824.000       | 37.855                | 43.751              | -36.145        | 74.000        | -5.896     | PK   |
| 2  | *    | 7236.000       | 39.601                | 42.558              | -34.399        | 74.000        | -2.957     | PK   |

|                                                      |                          |
|------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                    | Page No.: 14             |
| Engineer: Neil                                       |                          |
| Site: AC5                                            | Time: 2021/01/16 - 10:54 |
| Limit: FCC_Part15.209_RE(3m)                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                   | Polarity: Vertical       |
| EUT: AP510CX                                         | Power: PoE -48V          |
| Note: Mode 1 : Transmit at 2412MHz by 802.11n(20MHz) |                          |



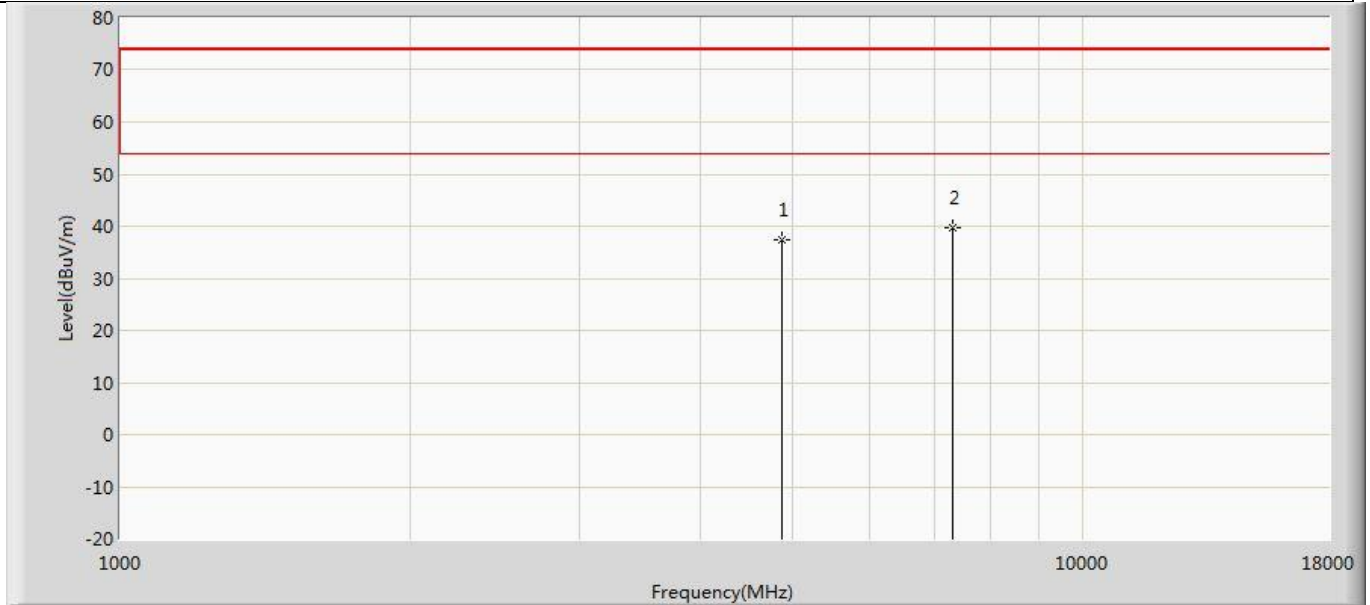
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4824.000       | 37.374                | 43.270              | -36.626        | 74.000        | -5.896     | PK   |
| 2  | *    | 7236.000       | 38.966                | 41.923              | -35.034        | 74.000        | -2.957     | PK   |

|                                                      |                          |
|------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                    | Page No.: 15             |
| Engineer: Neil                                       |                          |
| Site: AC5                                            | Time: 2021/01/16 - 10:54 |
| Limit: FCC_Part15.209_RE(3m)                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                   | Polarity: Horizontal     |
| EUT: AP510CX                                         | Power: PoE -48V          |
| Note: Mode 1 : Transmit at 2437MHz by 802.11n(20MHz) |                          |



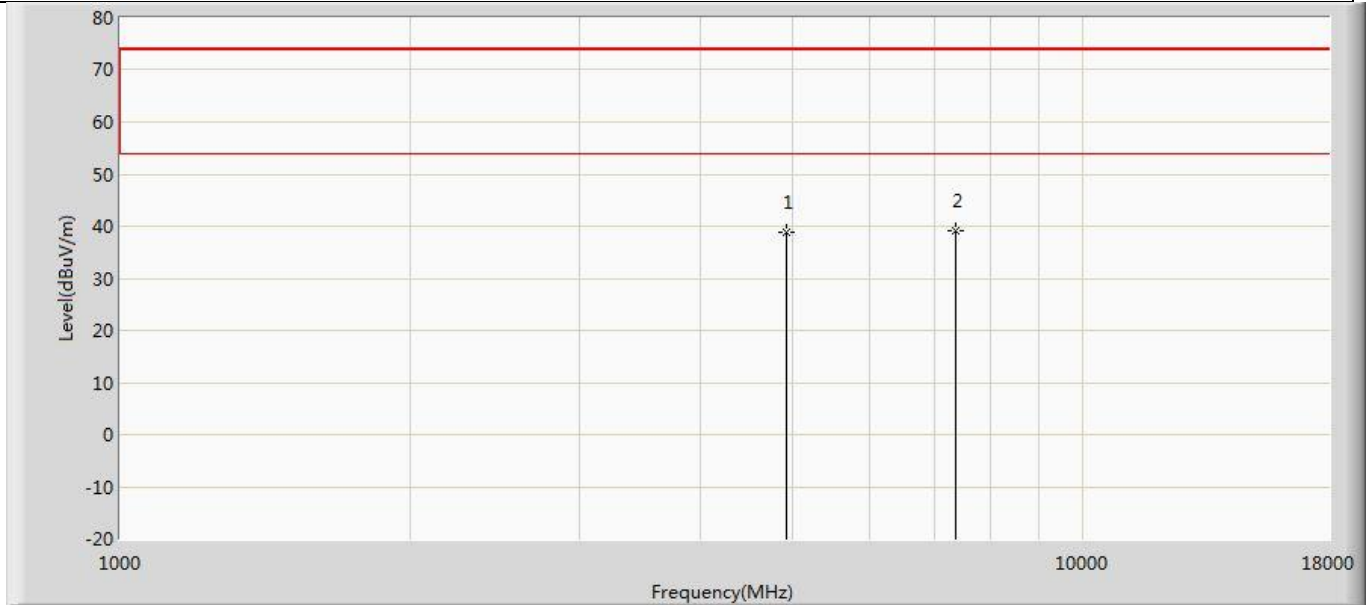
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  | *    | 4874.000       | 38.699                | 44.578              | -35.301        | 74.000        | -5.879     | PK   |
| 2  |      | 7311.000       | 38.268                | 41.321              | -35.732        | 74.000        | -3.054     | PK   |

|                                                      |                          |
|------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                    | Page No.: 16             |
| Engineer: Neil                                       |                          |
| Site: AC5                                            | Time: 2021/01/16 - 10:54 |
| Limit: FCC_Part15.209_RE(3m)                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                   | Polarity: Vertical       |
| EUT: AP510CX                                         | Power: PoE -48V          |
| Note: Mode 1 : Transmit at 2437MHz by 802.11n(20MHz) |                          |



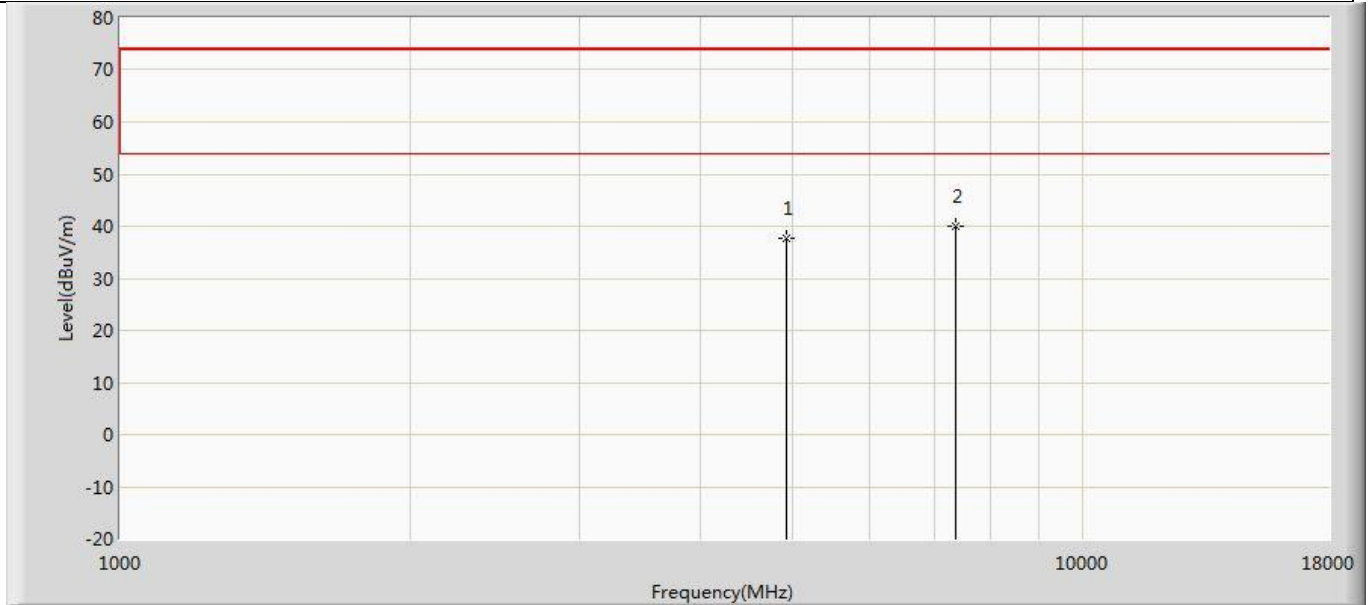
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4874.000       | 37.452                | 43.331              | -36.548        | 74.000        | -5.879     | PK   |
| 2  | *    | 7311.000       | 39.700                | 42.753              | -34.300        | 74.000        | -3.054     | PK   |

|                                                      |                          |
|------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                    | Page No.: 17             |
| Engineer: Neil                                       |                          |
| Site: AC5                                            | Time: 2021/01/16 - 10:54 |
| Limit: FCC_Part15.209_RE(3m)                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                   | Polarity: Horizontal     |
| EUT: AP510CX                                         | Power: PoE -48V          |
| Note: Mode 1 : Transmit at 2462MHz by 802.11n(20MHz) |                          |



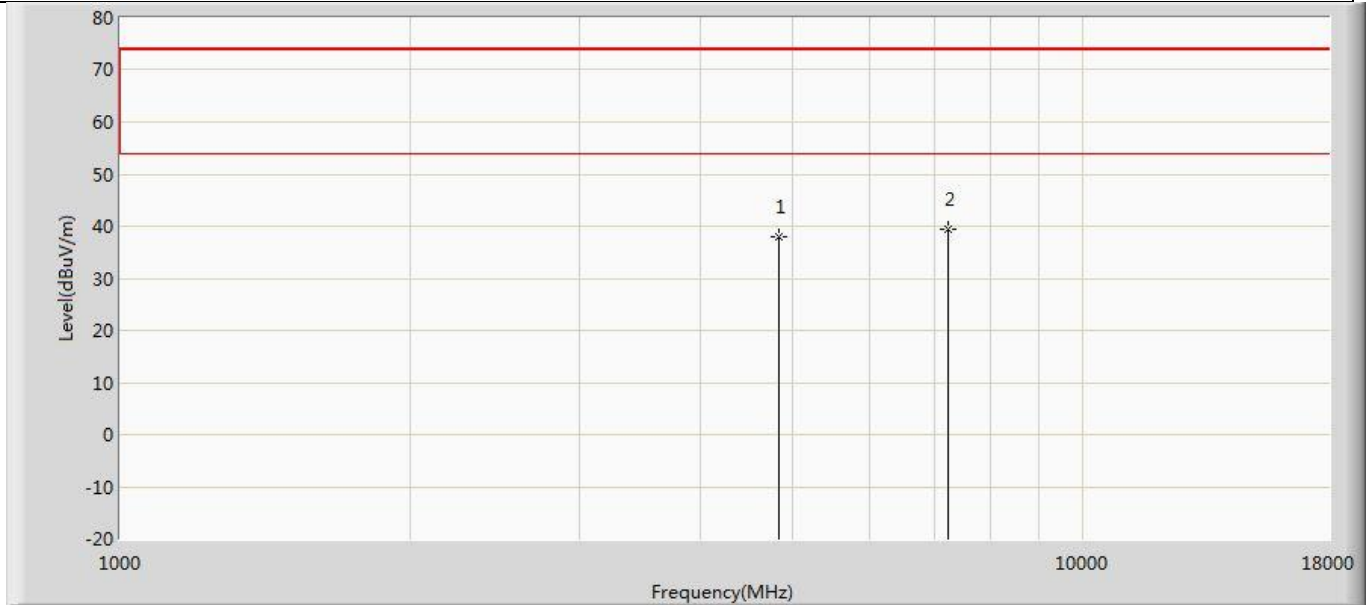
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4924.000       | 38.866                | 44.793              | -35.134        | 74.000        | -5.927     | PK   |
| 2  | *    | 7386.000       | 39.109                | 42.144              | -34.891        | 74.000        | -3.035     | PK   |

|                                                      |                          |
|------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                    | Page No.: 18             |
| Engineer: Neil                                       |                          |
| Site: AC5                                            | Time: 2021/01/16 - 10:54 |
| Limit: FCC_Part15.209_RE(3m)                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                   | Polarity: Vertical       |
| EUT: AP510CX                                         | Power: PoE -48V          |
| Note: Mode 1 : Transmit at 2462MHz by 802.11n(20MHz) |                          |



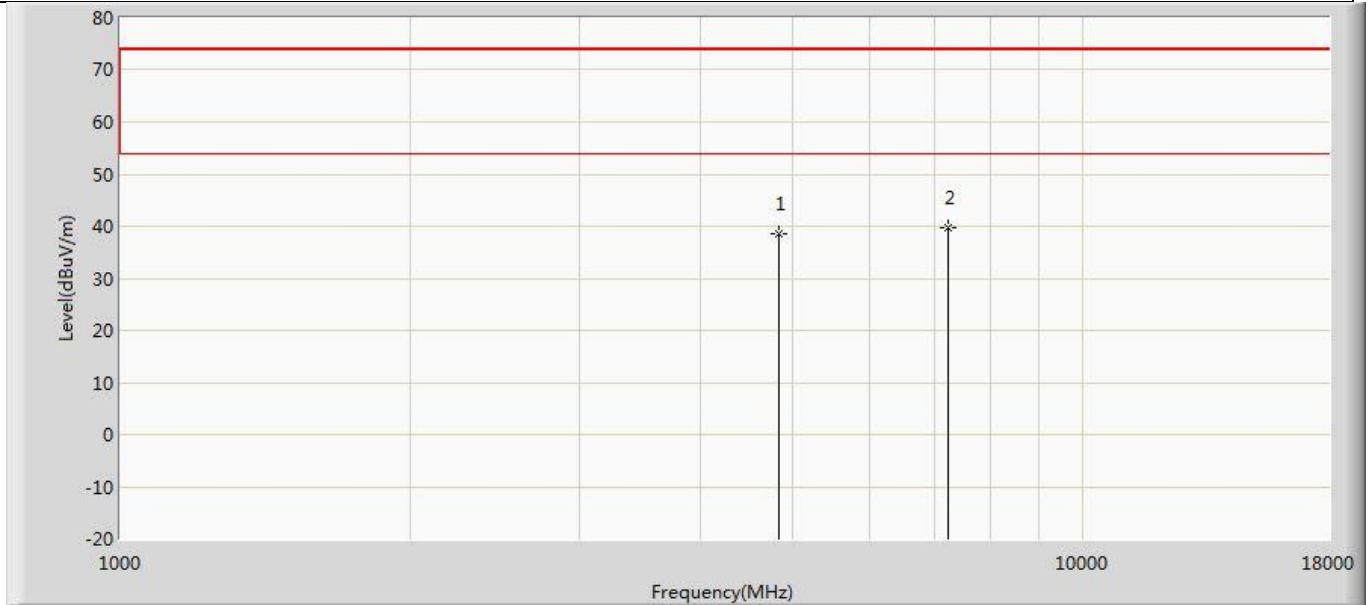
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4924.000       | 37.767                | 43.694              | -36.233        | 74.000        | -5.927     | PK   |
| 2  | *    | 7386.000       | 39.890                | 42.925              | -34.110        | 74.000        | -3.035     | PK   |

|                                                       |                          |
|-------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                     | Page No.: 19             |
| Engineer: Neil                                        |                          |
| Site: AC5                                             | Time: 2021/01/16 - 10:54 |
| Limit: FCC_Part15.209_RE(3m)                          | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                    | Polarity: Horizontal     |
| EUT: AP510CX                                          | Power: PoE -48V          |
| Note: Mode 2 : Transmit at 2412MHz by 802.11ax(20MHz) |                          |



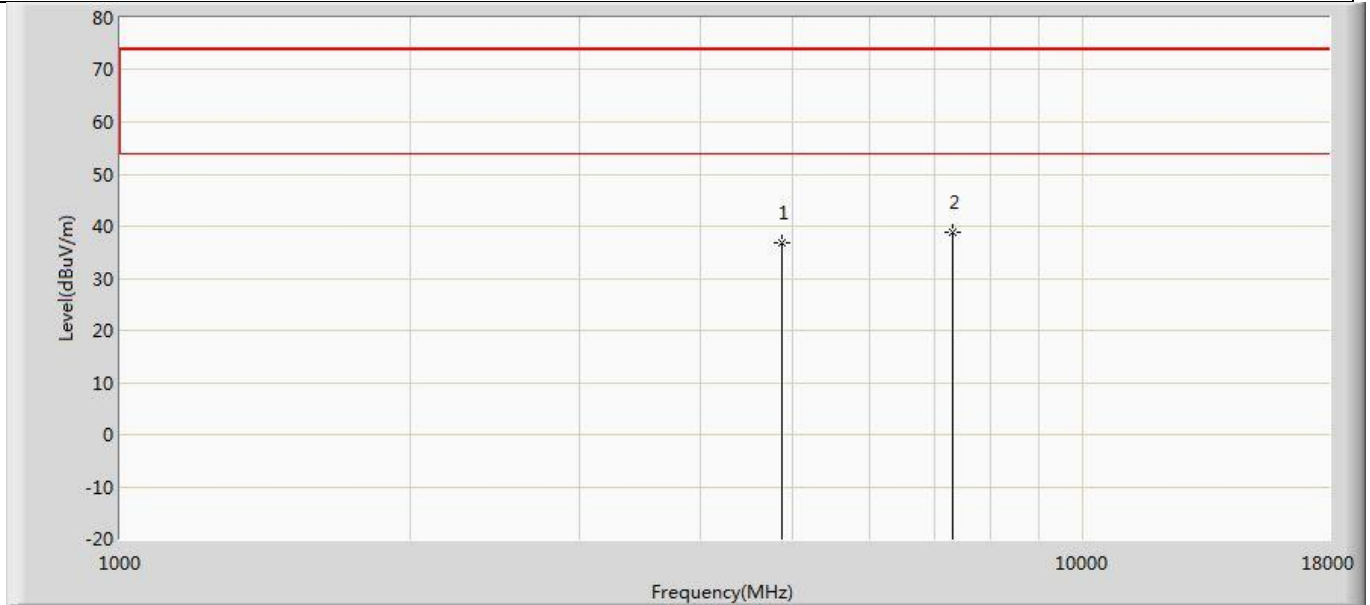
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4824.000       | 38.088                | 43.984              | -35.912        | 74.000        | -5.896     | PK   |
| 2  | *    | 7236.000       | 39.546                | 42.503              | -34.454        | 74.000        | -2.957     | PK   |

|                                                       |                          |
|-------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                     | Page No.: 20             |
| Engineer: Neil                                        |                          |
| Site: AC5                                             | Time: 2021/01/16 - 10:54 |
| Limit: FCC_Part15.209_RE(3m)                          | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                    | Polarity: Vertical       |
| EUT: AP510CX                                          | Power: PoE -48V          |
| Note: Mode 2 : Transmit at 2412MHz by 802.11ax(20MHz) |                          |



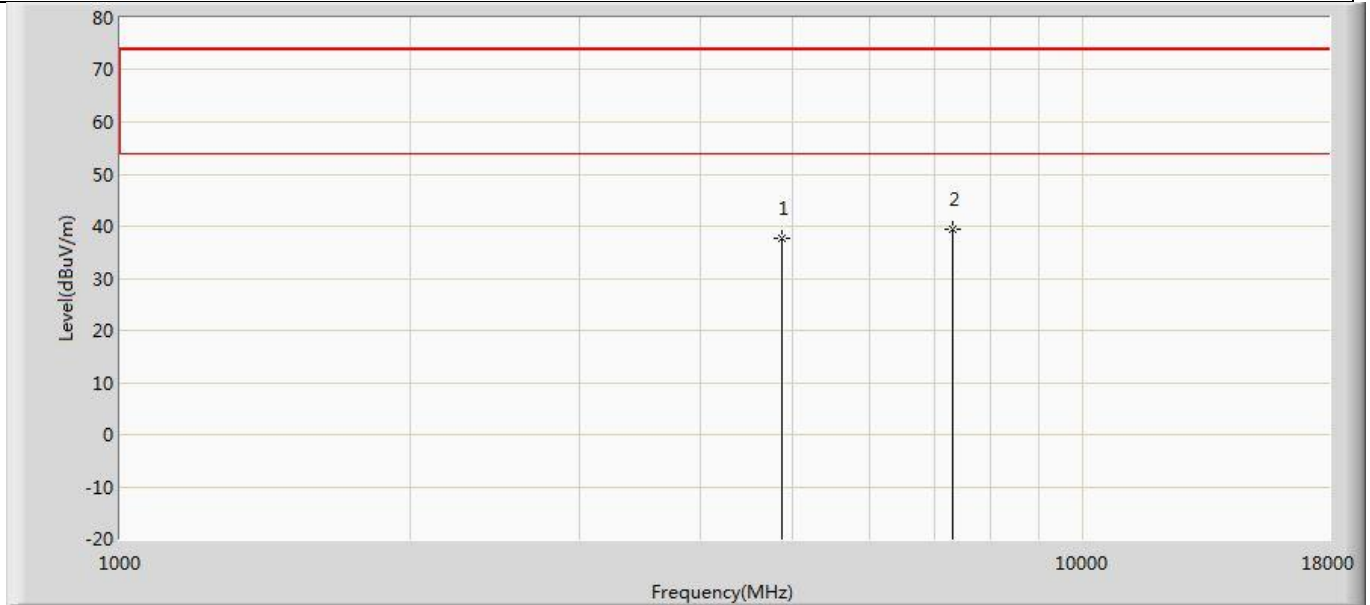
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4824.000       | 38.555                | 44.451              | -35.445        | 74.000        | -5.896     | PK   |
| 2  | *    | 7236.000       | 39.711                | 42.668              | -34.289        | 74.000        | -2.957     | PK   |

|                                                       |                          |
|-------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                     | Page No.: 21             |
| Engineer: Neil                                        |                          |
| Site: AC5                                             | Time: 2021/01/16 - 10:54 |
| Limit: FCC_Part15.209_RE(3m)                          | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                    | Polarity: Horizontal     |
| EUT: AP510CX                                          | Power: PoE -48V          |
| Note: Mode 2 : Transmit at 2437MHz by 802.11ax(20MHz) |                          |



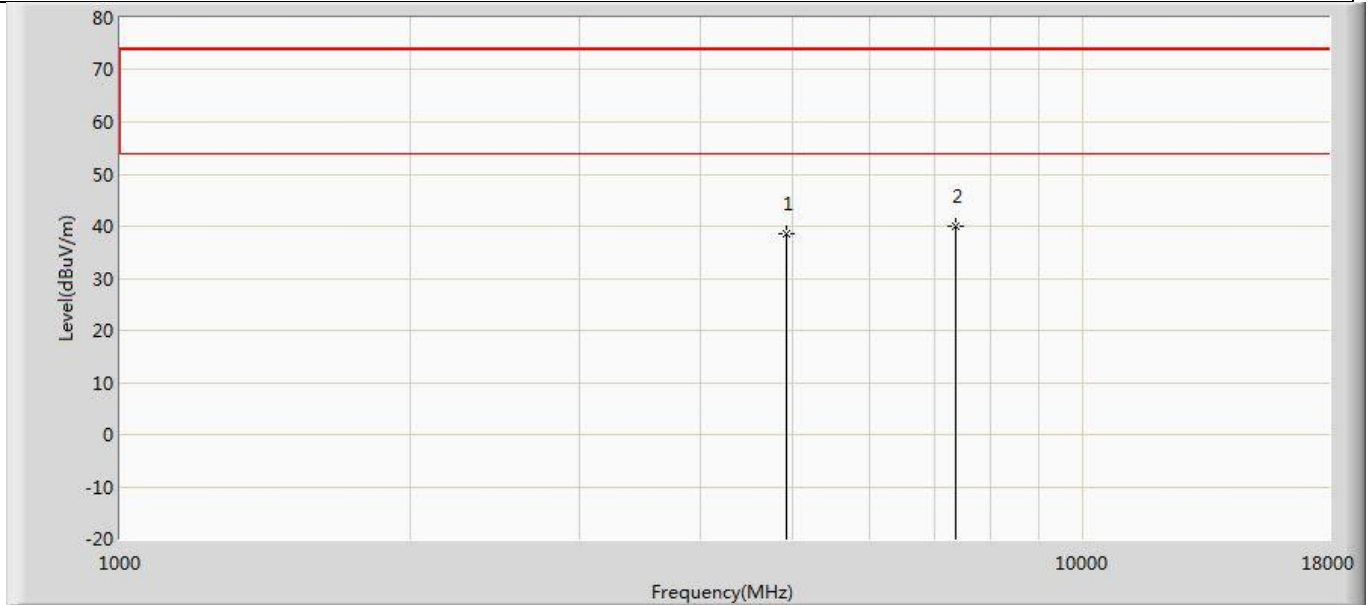
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4874.000       | 36.755                | 42.634              | -37.245        | 74.000        | -5.879     | PK   |
| 2  | *    | 7311.000       | 38.715                | 41.768              | -35.285        | 74.000        | -3.054     | PK   |

|                                                       |                          |
|-------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                     | Page No.: 22             |
| Engineer: Neil                                        |                          |
| Site: AC5                                             | Time: 2021/01/16 - 10:54 |
| Limit: FCC_Part15.209_RE(3m)                          | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                    | Polarity: Vertical       |
| EUT: AP510CX                                          | Power: PoE -48V          |
| Note: Mode 2 : Transmit at 2437MHz by 802.11ax(20MHz) |                          |



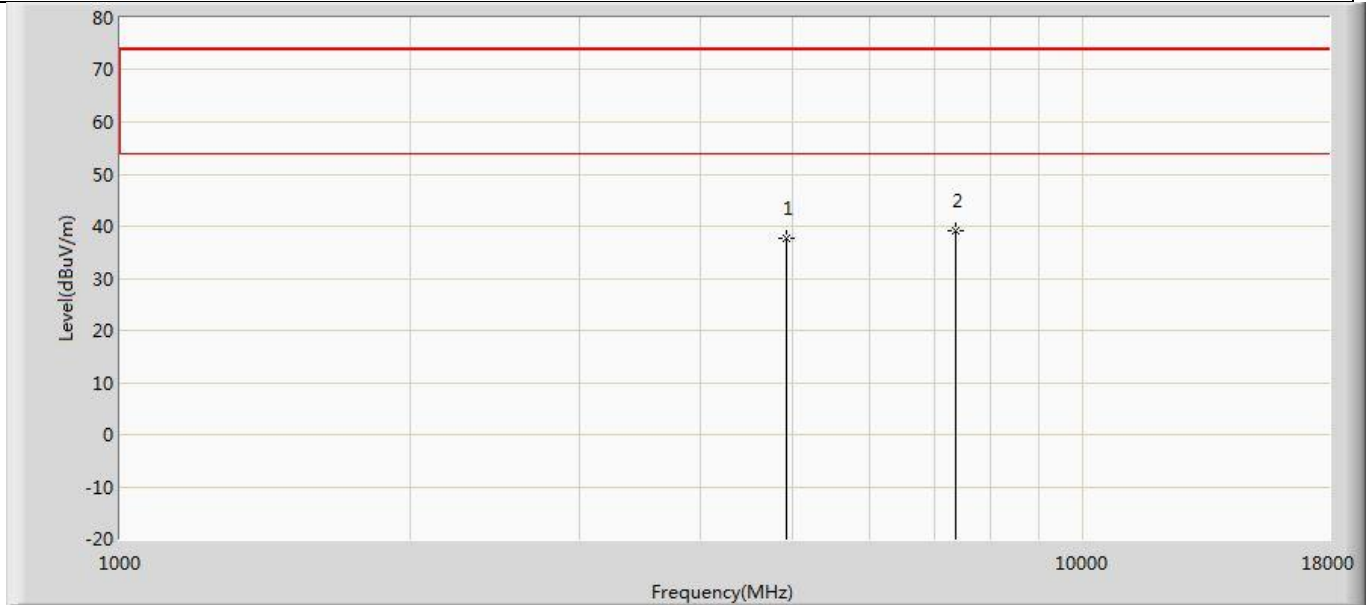
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4874.000       | 37.692                | 43.571              | -36.308        | 74.000        | -5.879     | PK   |
| 2  | *    | 7311.000       | 39.347                | 42.400              | -34.653        | 74.000        | -3.054     | PK   |

|                                                       |                          |
|-------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                     | Page No.: 23             |
| Engineer: Neil                                        |                          |
| Site: AC5                                             | Time: 2021/01/16 - 10:55 |
| Limit: FCC_Part15.209_RE(3m)                          | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                    | Polarity: Horizontal     |
| EUT: AP510CX                                          | Power: PoE -48V          |
| Note: Mode 2 : Transmit at 2462MHz by 802.11ax(20MHz) |                          |



| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4924.000       | 38.640                | 44.567              | -35.360        | 74.000        | -5.927     | PK   |
| 2  | *    | 7386.000       | 39.967                | 43.002              | -34.033        | 74.000        | -3.035     | PK   |

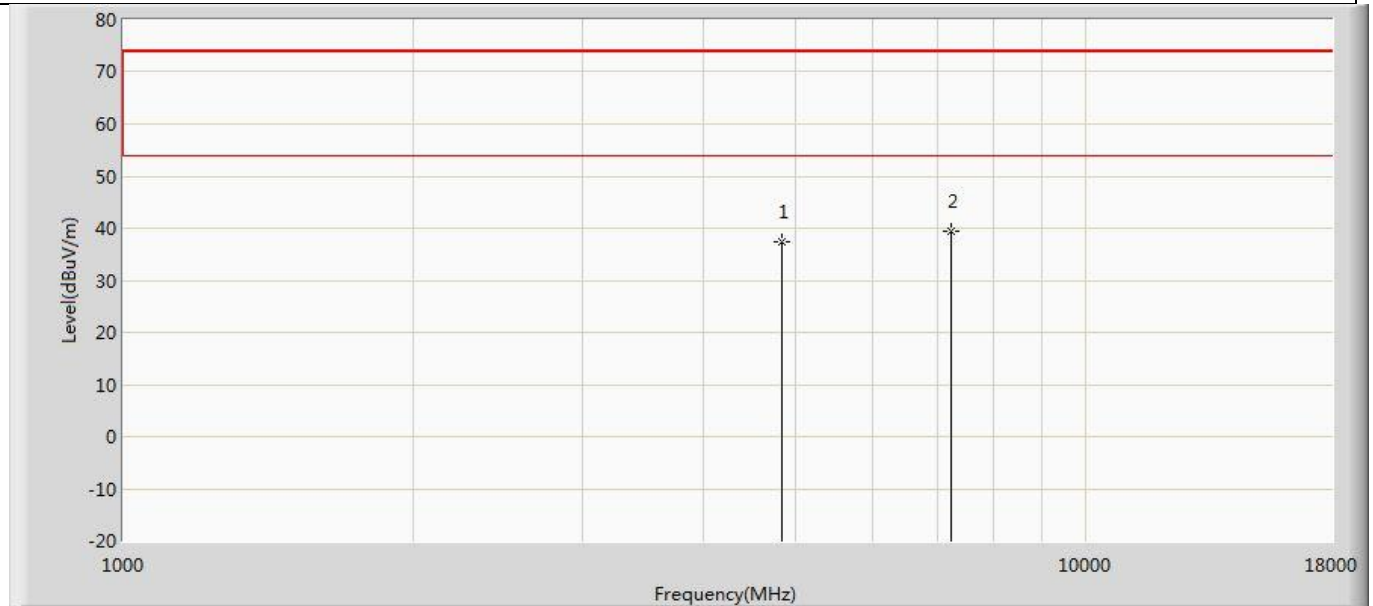
|                                                       |                          |
|-------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                     | Page No.: 24             |
| Engineer: Neil                                        |                          |
| Site: AC5                                             | Time: 2021/01/16 - 10:55 |
| Limit: FCC_Part15.209_RE(3m)                          | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                    | Polarity: Vertical       |
| EUT: AP510CX                                          | Power: PoE -48V          |
| Note: Mode 2 : Transmit at 2462MHz by 802.11ax(20MHz) |                          |



| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4924.000       | 37.704                | 43.631              | -36.296        | 74.000        | -5.927     | PK   |
| 2  | *    | 7386.000       | 39.063                | 42.098              | -34.937        | 74.000        | -3.035     | PK   |

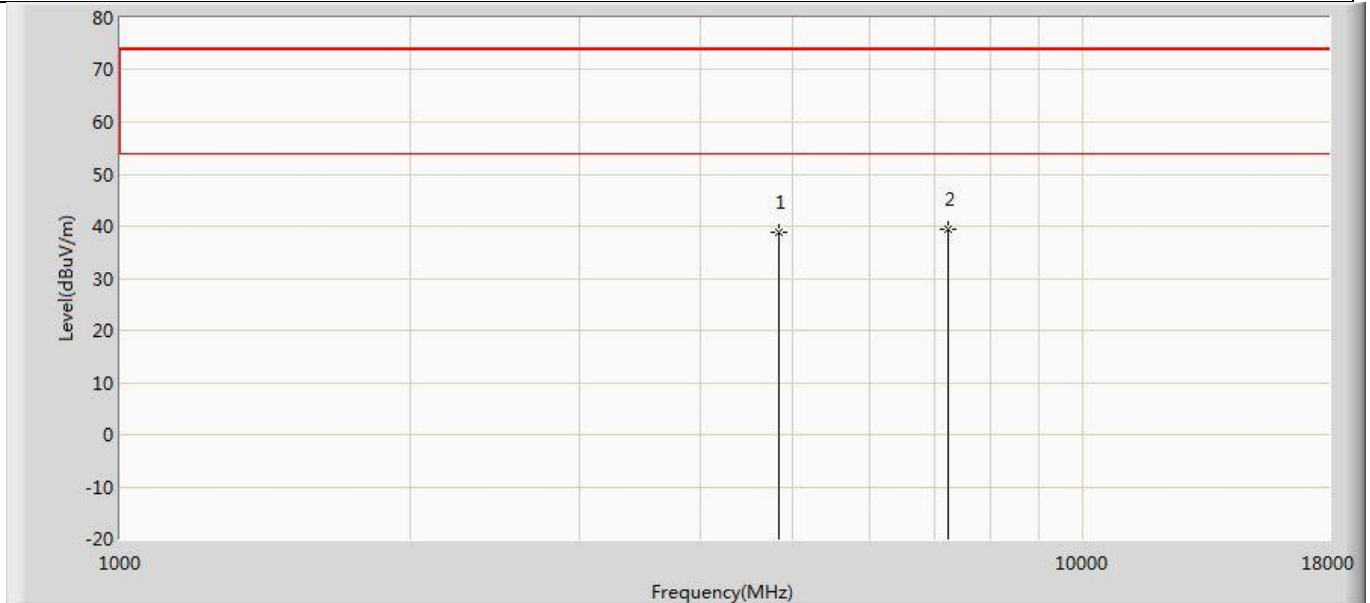
**Dipole Antenna – MIMO (CDD 4TX)**

|                                               |                          |
|-----------------------------------------------|--------------------------|
| Profile: 20B0117R                             | Page No.: 25             |
| Engineer: Neil                                |                          |
| Site: AC5                                     | Time: 2021/01/16 - 10:47 |
| Limit: FCC_Part15.209_RE(3m)                  | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)            | Polarity: Horizontal     |
| EUT: AP510CX                                  | Power: PoE -48V          |
| Note: Mode 1 : Transmit at 2412MHz by 802.11b |                          |



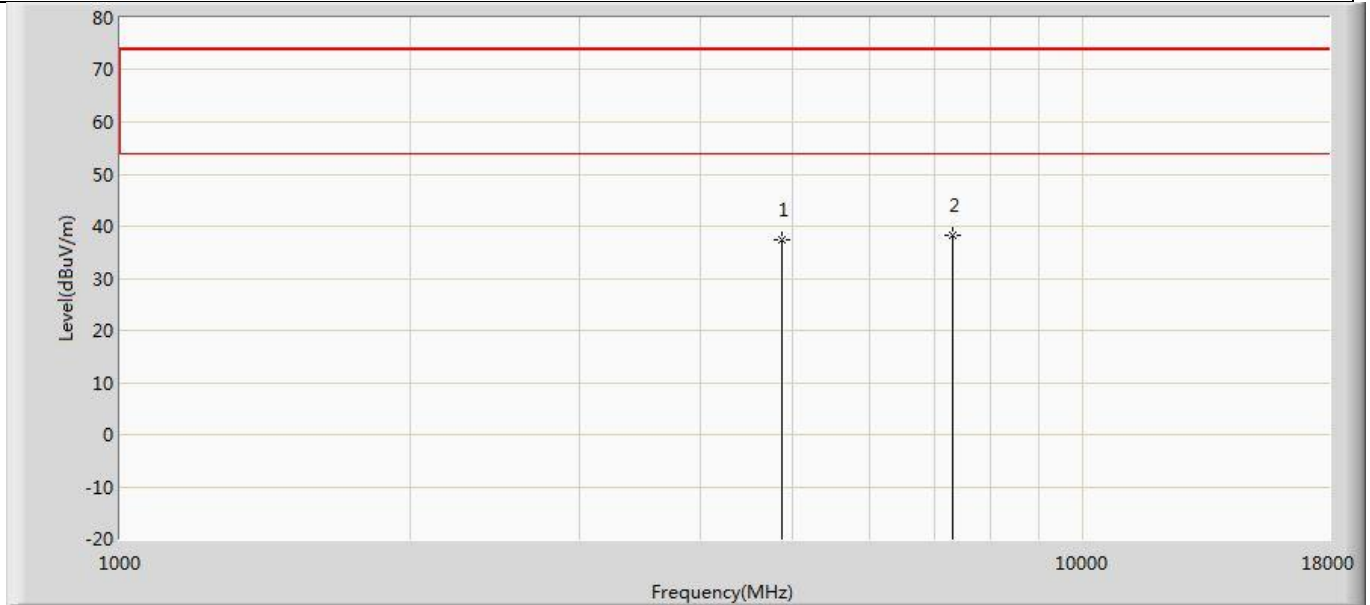
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4824.000       | 37.472                | 43.368              | -36.528        | 74.000        | -5.896     | PK   |
| 2  | *    | 7236.000       | 39.312                | 42.269              | -34.688        | 74.000        | -2.957     | PK   |

|                                               |                          |
|-----------------------------------------------|--------------------------|
| Profile: 20B0117R                             | Page No.: 26             |
| Engineer: Neil                                |                          |
| Site: AC5                                     | Time: 2021/01/16 - 10:47 |
| Limit: FCC_Part15.209_RE(3m)                  | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)            | Polarity: Vertical       |
| EUT: AP510CX                                  | Power: PoE -48V          |
| Note: Mode 1 : Transmit at 2412MHz by 802.11b |                          |



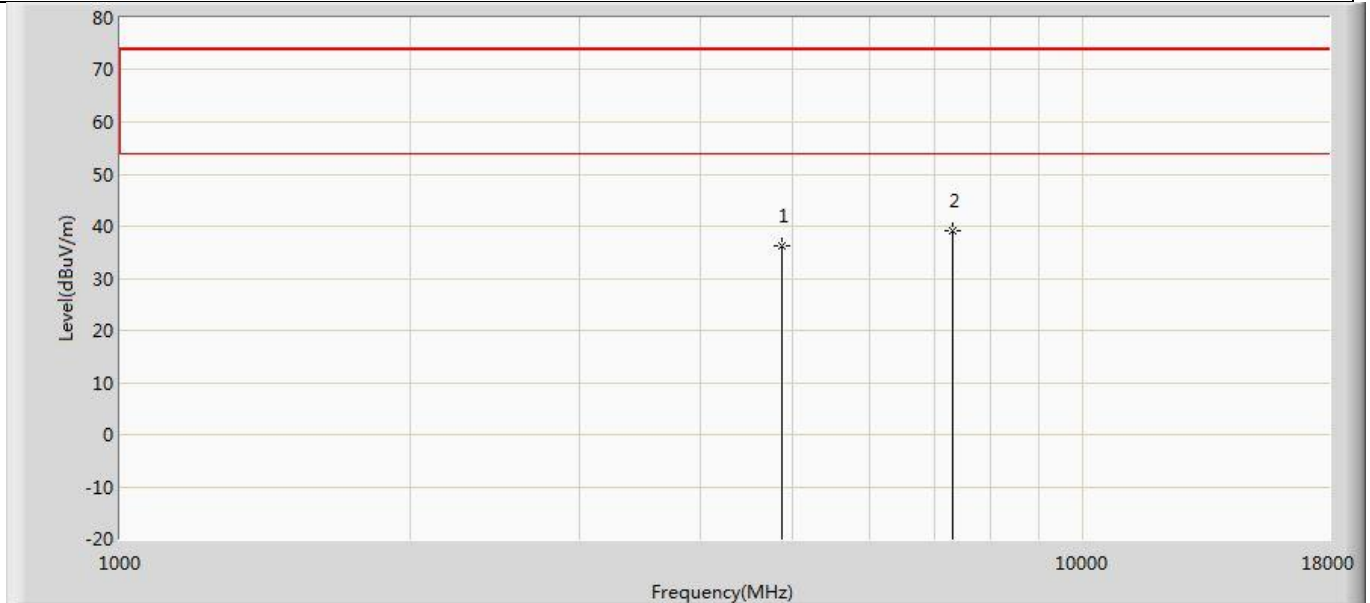
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4824.000       | 38.864                | 44.760              | -35.136        | 74.000        | -5.896     | PK   |
| 2  | *    | 7236.000       | 39.502                | 42.459              | -34.498        | 74.000        | -2.957     | PK   |

|                                               |                          |
|-----------------------------------------------|--------------------------|
| Profile: 20B0117R                             | Page No.: 27             |
| Engineer: Neil                                |                          |
| Site: AC5                                     | Time: 2021/01/16 - 10:47 |
| Limit: FCC_Part15.209_RE(3m)                  | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)            | Polarity: Horizontal     |
| EUT: AP510CX                                  | Power: PoE -48V          |
| Note: Mode 1 : Transmit at 2437MHz by 802.11b |                          |



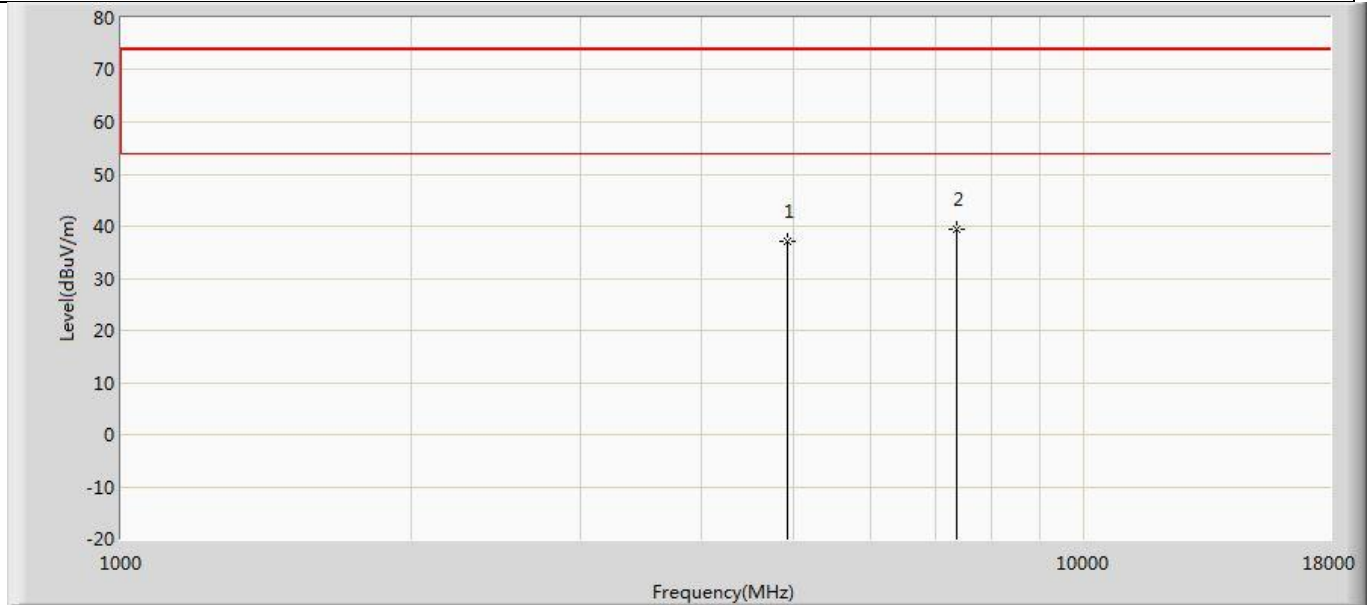
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4874.000       | 37.485                | 43.364              | -36.515        | 74.000        | -5.879     | PK   |
| 2  | *    | 7311.000       | 38.177                | 41.230              | -35.823        | 74.000        | -3.054     | PK   |

|                                               |                          |
|-----------------------------------------------|--------------------------|
| Profile: 20B0117R                             | Page No.: 28             |
| Engineer: Neil                                |                          |
| Site: AC5                                     | Time: 2021/01/16 - 10:47 |
| Limit: FCC_Part15.209_RE(3m)                  | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)            | Polarity: Vertical       |
| EUT: AP510CX                                  | Power: PoE -48V          |
| Note: Mode 1 : Transmit at 2437MHz by 802.11b |                          |



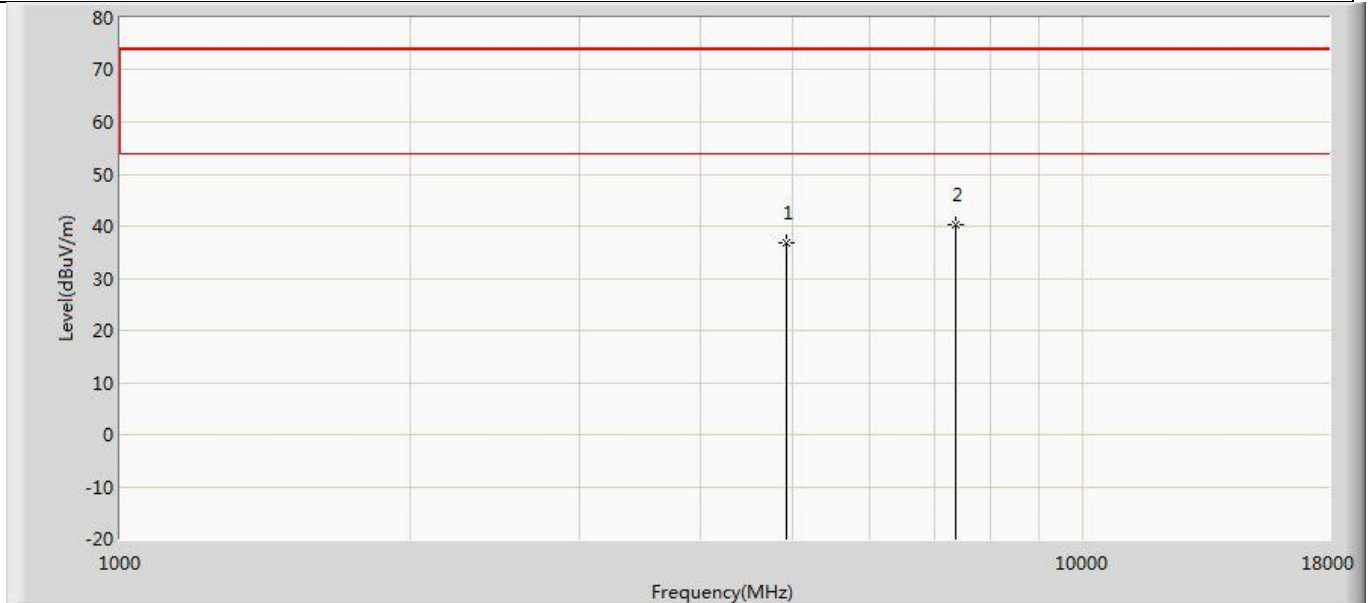
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4874.000       | 36.271                | 42.150              | -37.729        | 74.000        | -5.879     | PK   |
| 2  | *    | 7311.000       | 39.165                | 42.218              | -34.835        | 74.000        | -3.054     | PK   |

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|-----------------------------------------------|--------------------------|
| Profile: 20B0117R                             | Page No.: 29             |
| Engineer: Neil                                |                          |
| Site: AC5                                     | Time: 2021/01/16 - 10:48 |
| Limit: FCC_Part15.209_RE(3m)                  | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)            | Polarity: Horizontal     |
| EUT: AP510CX                                  | Power: PoE -48V          |
| Note: Mode 1 : Transmit at 2462MHz by 802.11b |                          |



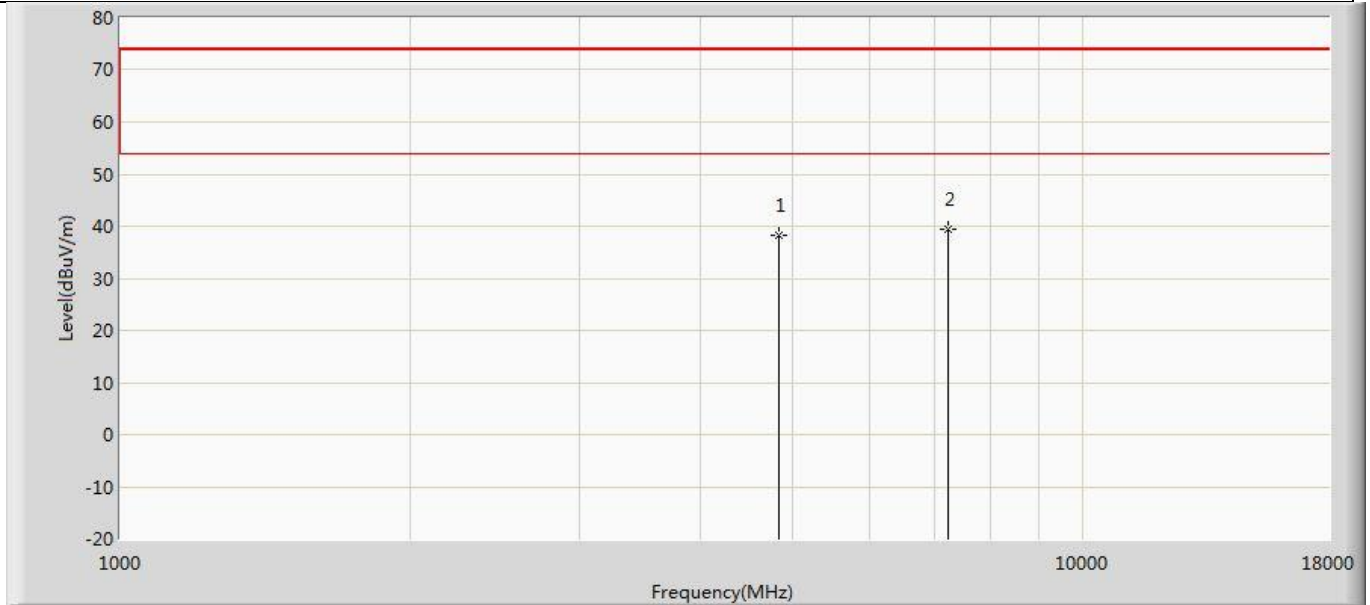
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4924.000       | 37.182                | 43.109              | -36.818        | 74.000        | -5.927     | PK   |
| 2  | *    | 7386.000       | 39.546                | 42.581              | -34.454        | 74.000        | -3.035     | PK   |

|                                               |                          |
|-----------------------------------------------|--------------------------|
| Profile: 20B0117R                             | Page No.: 30             |
| Engineer: Neil                                |                          |
| Site: AC5                                     | Time: 2021/01/16 - 10:48 |
| Limit: FCC_Part15.209_RE(3m)                  | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)            | Polarity: Vertical       |
| EUT: AP510CX                                  | Power: PoE -48V          |
| Note: Mode 1 : Transmit at 2462MHz by 802.11b |                          |



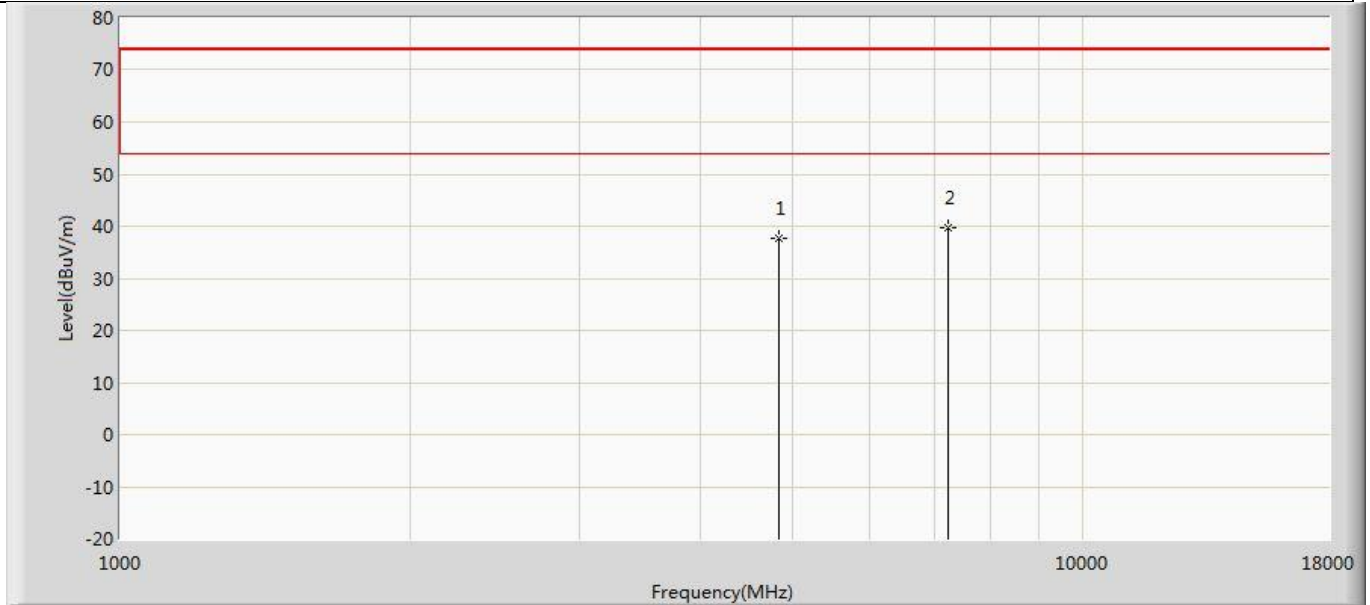
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4924.000       | 36.712                | 42.639              | -37.288        | 74.000        | -5.927     | PK   |
| 2  | *    | 7386.000       | 40.146                | 43.181              | -33.854        | 74.000        | -3.035     | PK   |

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|-----------------------------------------------|--------------------------|
| Profile: 20B0117R                             | Page No.: 31             |
| Engineer: Neil                                |                          |
| Site: AC5                                     | Time: 2021/01/16 - 10:48 |
| Limit: FCC_Part15.209_RE(3m)                  | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)            | Polarity: Horizontal     |
| EUT: AP510CX                                  | Power: PoE -48V          |
| Note: Mode 2 : Transmit at 2412MHz by 802.11g |                          |



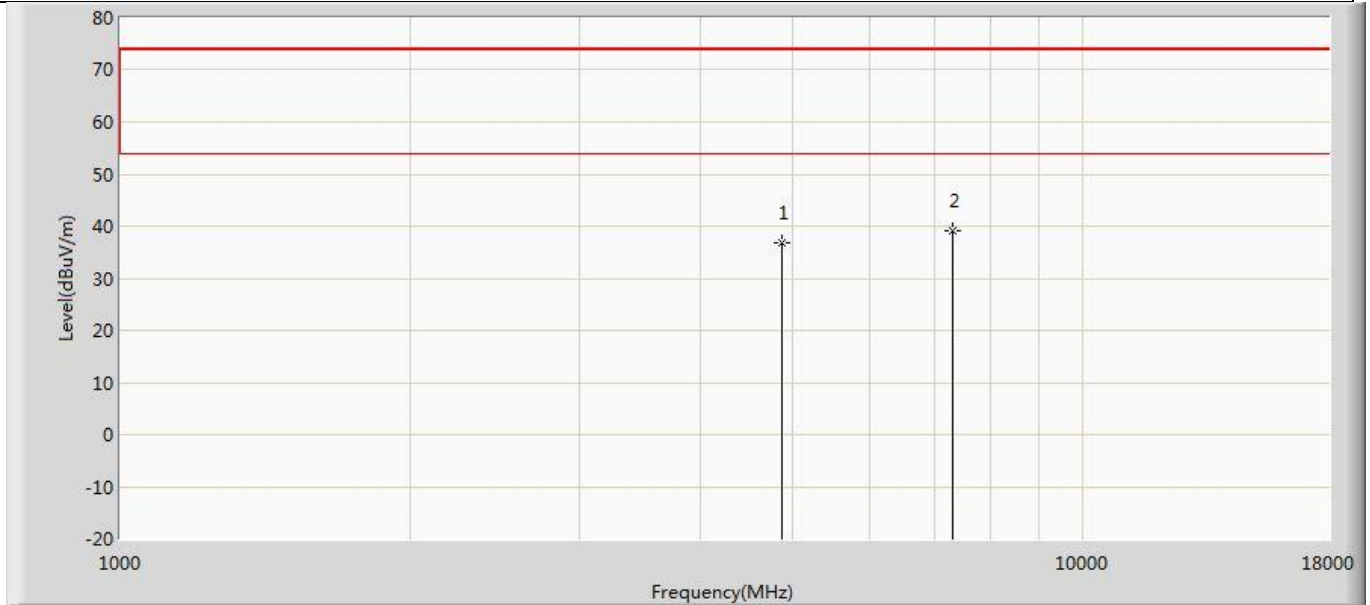
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4824.000       | 38.200                | 44.096              | -35.800        | 74.000        | -5.896     | PK   |
| 2  | *    | 7236.000       | 39.531                | 42.488              | -34.469        | 74.000        | -2.957     | PK   |

|                                               |                          |
|-----------------------------------------------|--------------------------|
| Profile: 20B0117R                             | Page No.: 32             |
| Engineer: Neil                                |                          |
| Site: AC5                                     | Time: 2021/01/16 - 10:48 |
| Limit: FCC_Part15.209_RE(3m)                  | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)            | Polarity: Vertical       |
| EUT: AP510CX                                  | Power: PoE -48V          |
| Note: Mode 2 : Transmit at 2412MHz by 802.11g |                          |



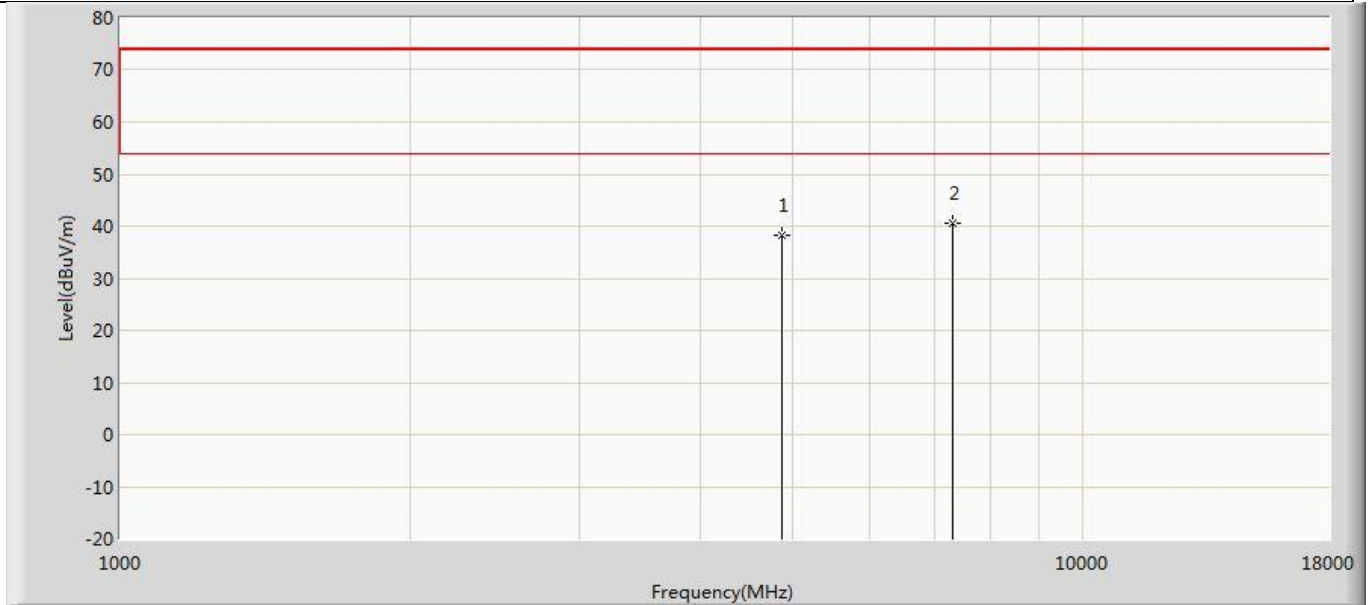
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4824.000       | 37.753                | 43.649              | -36.247        | 74.000        | -5.896     | PK   |
| 2  | *    | 7236.000       | 39.606                | 42.563              | -34.394        | 74.000        | -2.957     | PK   |

|                                               |                          |
|-----------------------------------------------|--------------------------|
| Profile: 20B0117R                             | Page No.: 33             |
| Engineer: Neil                                |                          |
| Site: AC5                                     | Time: 2021/01/16 - 10:48 |
| Limit: FCC_Part15.209_RE(3m)                  | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)            | Polarity: Horizontal     |
| EUT: AP510CX                                  | Power: PoE -48V          |
| Note: Mode 2 : Transmit at 2437MHz by 802.11g |                          |



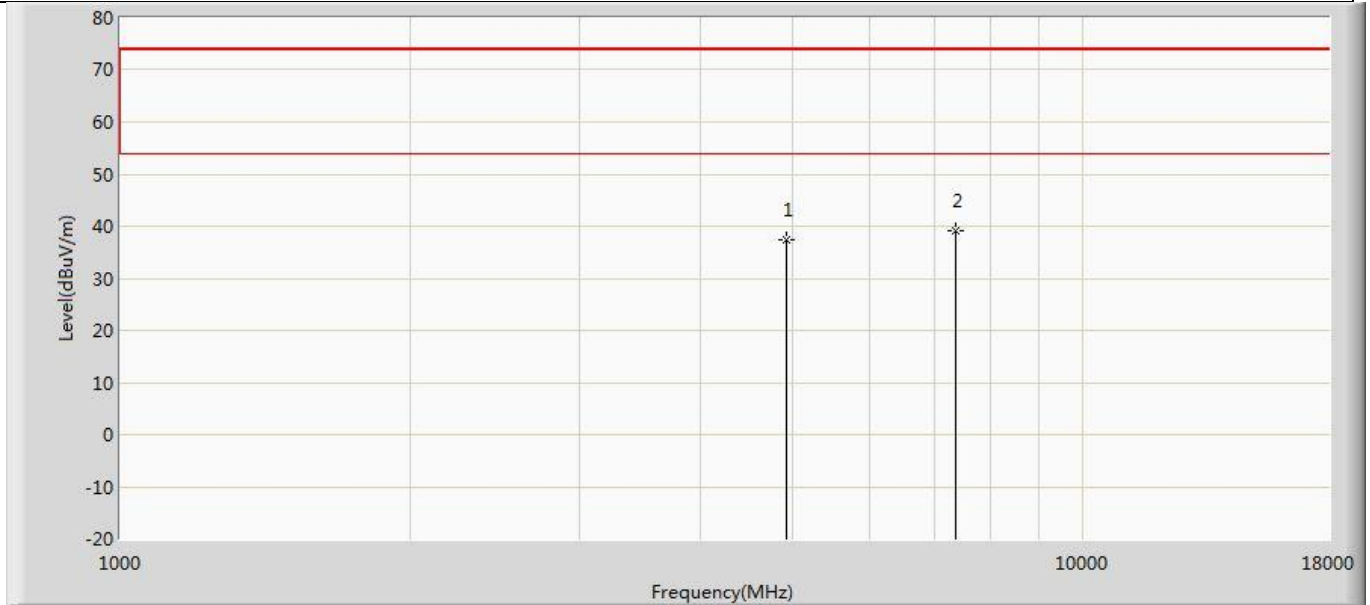
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4874.000       | 36.670                | 42.549              | -37.330        | 74.000        | -5.879     | PK   |
| 2  | *    | 7311.000       | 39.197                | 42.250              | -34.803        | 74.000        | -3.054     | PK   |

|                                               |                          |
|-----------------------------------------------|--------------------------|
| Profile: 20B0117R                             | Page No.: 34             |
| Engineer: Neil                                |                          |
| Site: AC5                                     | Time: 2021/01/16 - 10:48 |
| Limit: FCC_Part15.209_RE(3m)                  | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)            | Polarity: Vertical       |
| EUT: AP510CX                                  | Power: PoE -48V          |
| Note: Mode 2 : Transmit at 2437MHz by 802.11g |                          |



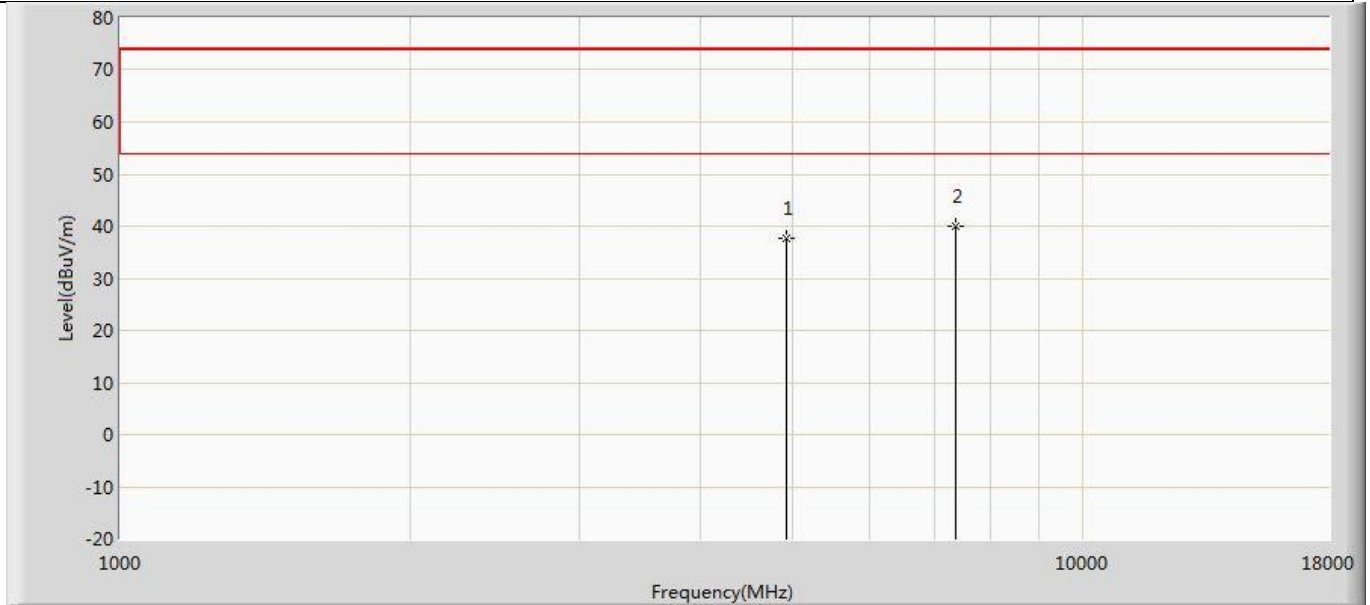
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4874.000       | 38.344                | 44.223              | -35.656        | 74.000        | -5.879     | PK   |
| 2  | *    | 7311.000       | 40.612                | 43.665              | -33.388        | 74.000        | -3.054     | PK   |

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|-----------------------------------------------|--------------------------|
| Profile: 20B0117R                             | Page No.: 35             |
| Engineer: Neil                                |                          |
| Site: AC5                                     | Time: 2021/01/16 - 10:48 |
| Limit: FCC_Part15.209_RE(3m)                  | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)            | Polarity: Horizontal     |
| EUT: AP510CX                                  | Power: PoE -48V          |
| Note: Mode 2 : Transmit at 2462MHz by 802.11g |                          |



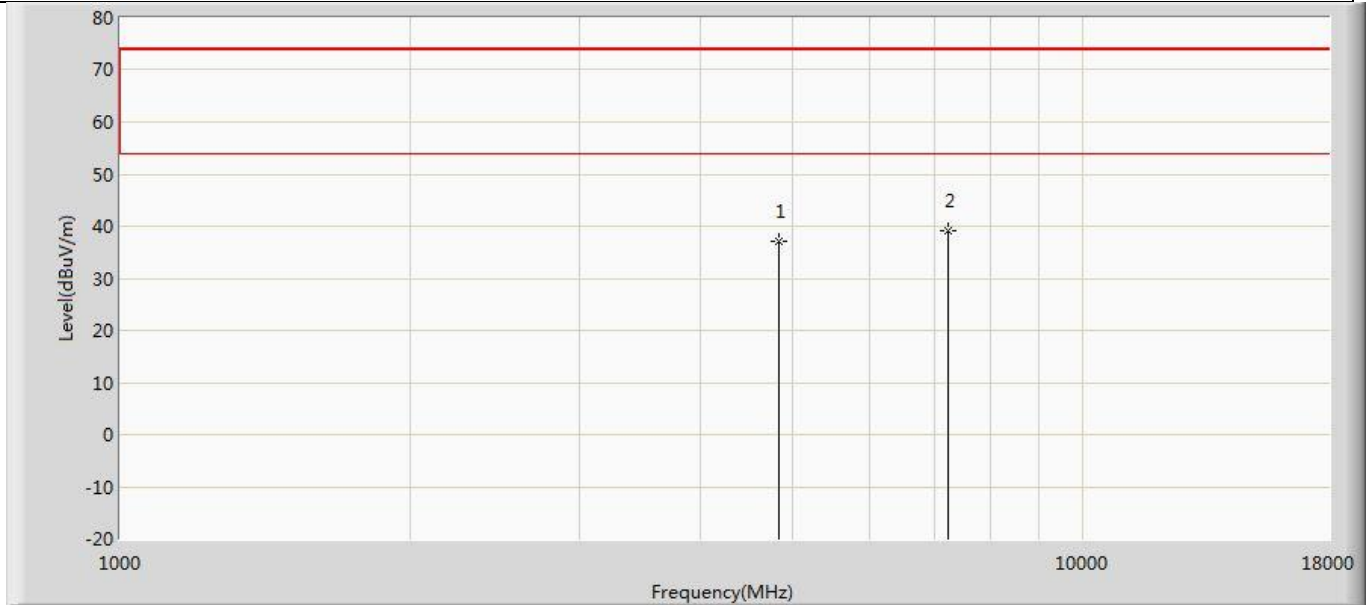
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4924.000       | 37.522                | 43.449              | -36.478        | 74.000        | -5.927     | PK   |
| 2  | *    | 7386.000       | 39.051                | 42.086              | -34.949        | 74.000        | -3.035     | PK   |

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|-----------------------------------------------|--------------------------|
| Profile: 20B0117R                             | Page No.: 36             |
| Engineer: Neil                                |                          |
| Site: AC5                                     | Time: 2021/01/16 - 10:48 |
| Limit: FCC_Part15.209_RE(3m)                  | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)            | Polarity: Vertical       |
| EUT: AP510CX                                  | Power: PoE -48V          |
| Note: Mode 2 : Transmit at 2462MHz by 802.11g |                          |



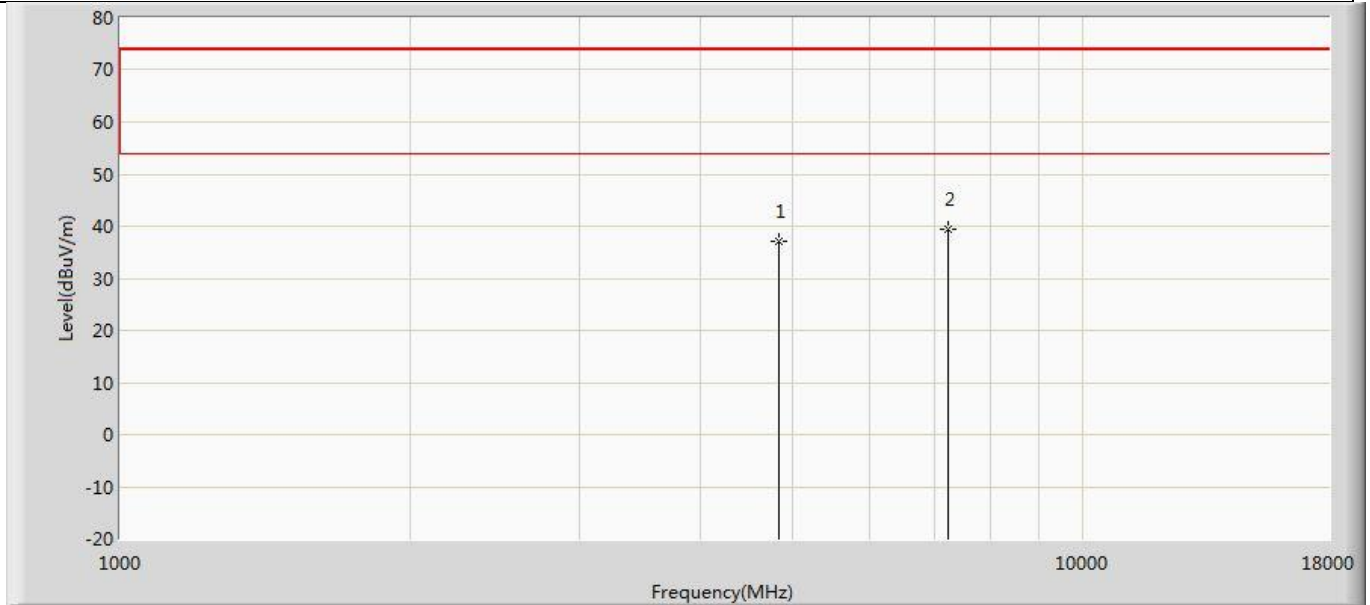
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4924.000       | 37.558                | 43.485              | -36.442        | 74.000        | -5.927     | PK   |
| 2  | *    | 7386.000       | 39.871                | 42.906              | -34.129        | 74.000        | -3.035     | PK   |

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|------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                    | Page No.: 37             |
| Engineer: Neil                                       |                          |
| Site: AC5                                            | Time: 2021/01/16 - 10:48 |
| Limit: FCC_Part15.209_RE(3m)                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                   | Polarity: Horizontal     |
| EUT: AP510CX                                         | Power: PoE -48V          |
| Note: Mode 3 : Transmit at 2412MHz by 802.11n(20MHz) |                          |



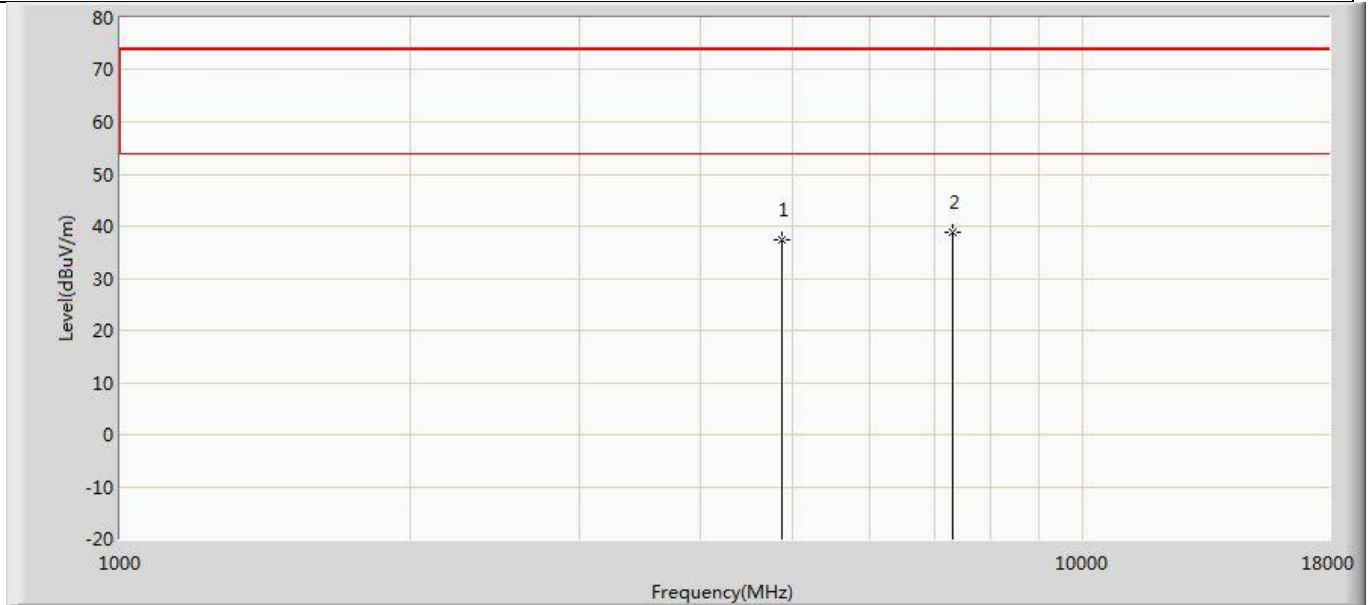
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4824.000       | 37.031                | 42.927              | -36.969        | 74.000        | -5.896     | PK   |
| 2  | *    | 7236.000       | 39.166                | 42.123              | -34.834        | 74.000        | -2.957     | PK   |

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|------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                    | Page No.: 38             |
| Engineer: Neil                                       |                          |
| Site: AC5                                            | Time: 2021/01/16 - 10:48 |
| Limit: FCC_Part15.209_RE(3m)                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                   | Polarity: Vertical       |
| EUT: AP510CX                                         | Power: PoE -48V          |
| Note: Mode 3 : Transmit at 2412MHz by 802.11n(20MHz) |                          |



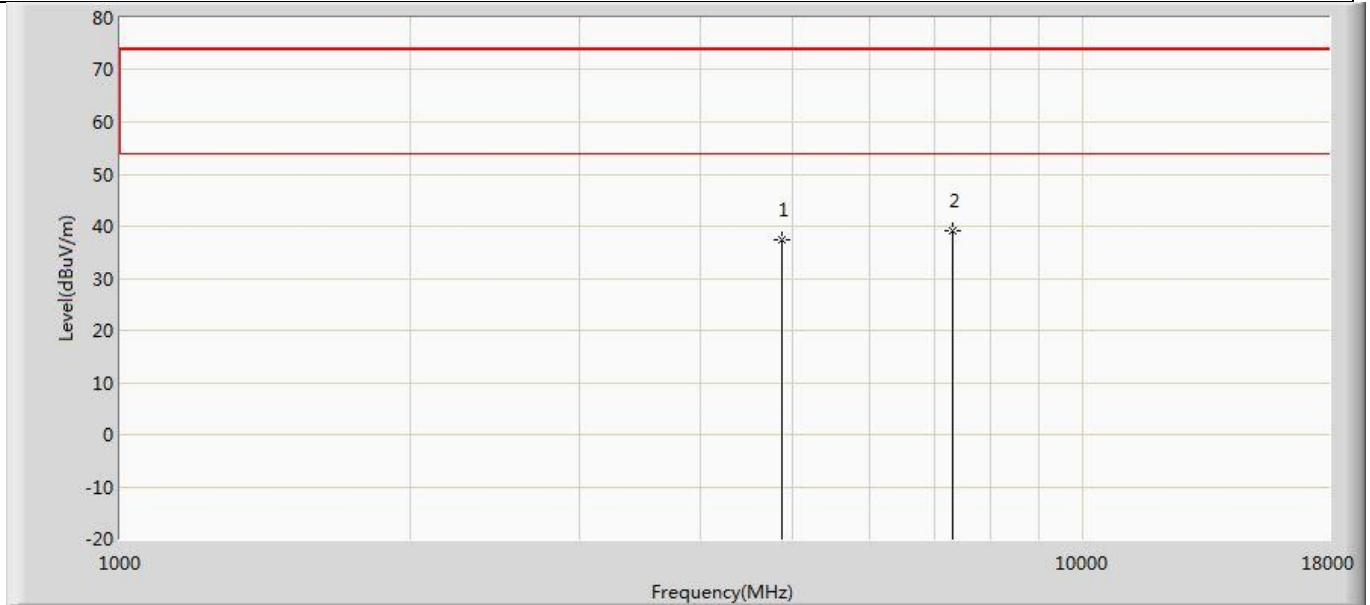
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4824.000       | 36.989                | 42.885              | -37.011        | 74.000        | -5.896     | PK   |
| 2  | *    | 7236.000       | 39.317                | 42.274              | -34.683        | 74.000        | -2.957     | PK   |

|                                                      |                          |
|------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                    | Page No.: 39             |
| Engineer: Neil                                       |                          |
| Site: AC5                                            | Time: 2021/01/16 - 10:48 |
| Limit: FCC_Part15.209_RE(3m)                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                   | Polarity: Horizontal     |
| EUT: AP510CX                                         | Power: PoE -48V          |
| Note: Mode 3 : Transmit at 2437MHz by 802.11n(20MHz) |                          |



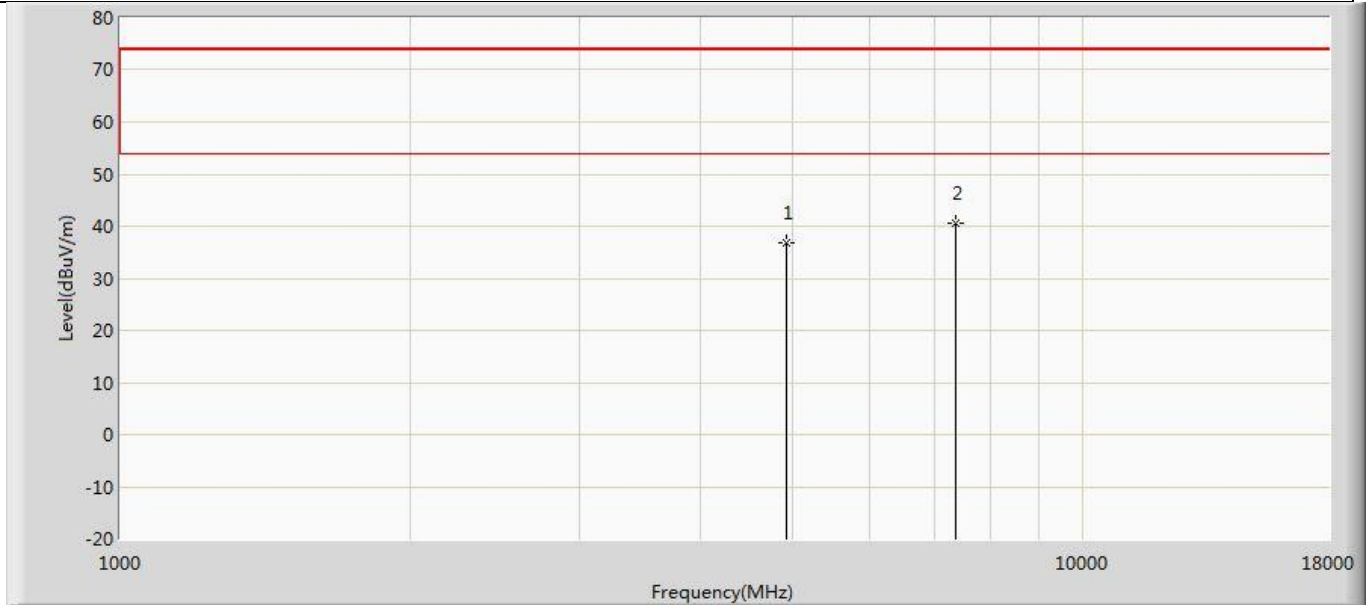
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4874.000       | 37.327                | 43.206              | -36.673        | 74.000        | -5.879     | PK   |
| 2  | *    | 7311.000       | 38.979                | 42.032              | -35.021        | 74.000        | -3.054     | PK   |

|                                                      |                          |
|------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                    | Page No.: 40             |
| Engineer: Neil                                       |                          |
| Site: AC5                                            | Time: 2021/01/16 - 10:48 |
| Limit: FCC_Part15.209_RE(3m)                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                   | Polarity: Vertical       |
| EUT: AP510CX                                         | Power: PoE -48V          |
| Note: Mode 3 : Transmit at 2437MHz by 802.11n(20MHz) |                          |



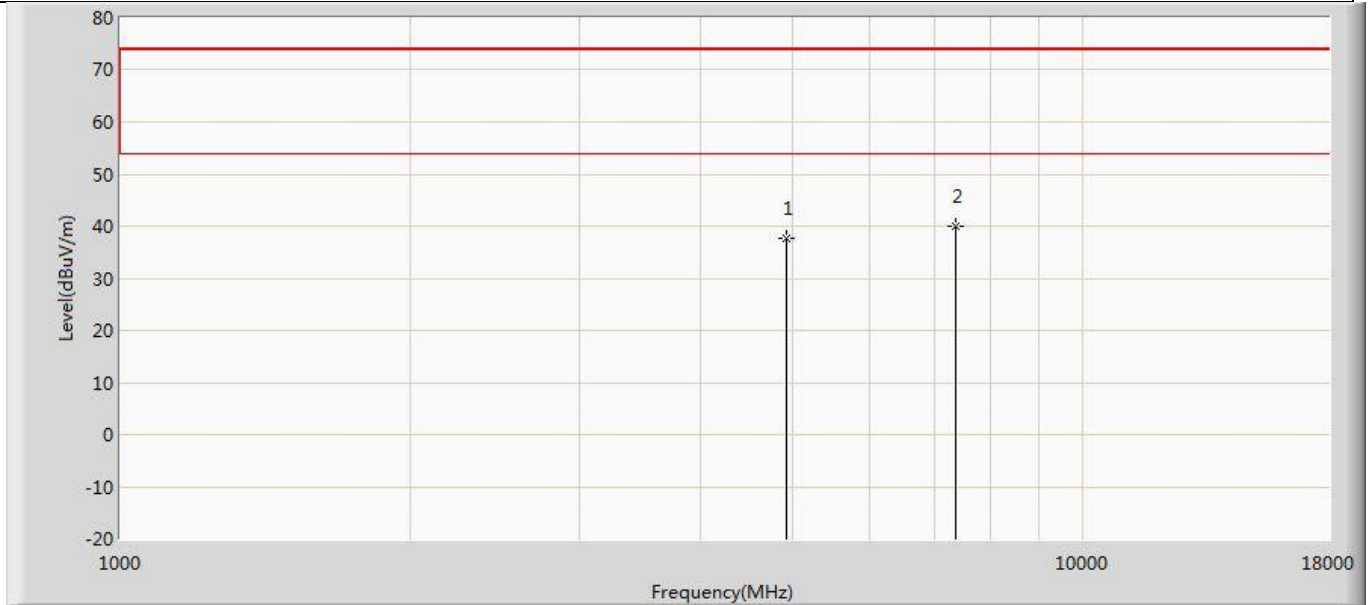
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4874.000       | 37.511                | 43.390              | -36.489        | 74.000        | -5.879     | PK   |
| 2  | *    | 7311.000       | 39.147                | 42.200              | -34.853        | 74.000        | -3.054     | PK   |

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|------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                    | Page No.: 41             |
| Engineer: Neil                                       |                          |
| Site: AC5                                            | Time: 2021/01/16 - 10:48 |
| Limit: FCC_Part15.209_RE(3m)                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                   | Polarity: Horizontal     |
| EUT: AP510CX                                         | Power: PoE -48V          |
| Note: Mode 3 : Transmit at 2462MHz by 802.11n(20MHz) |                          |



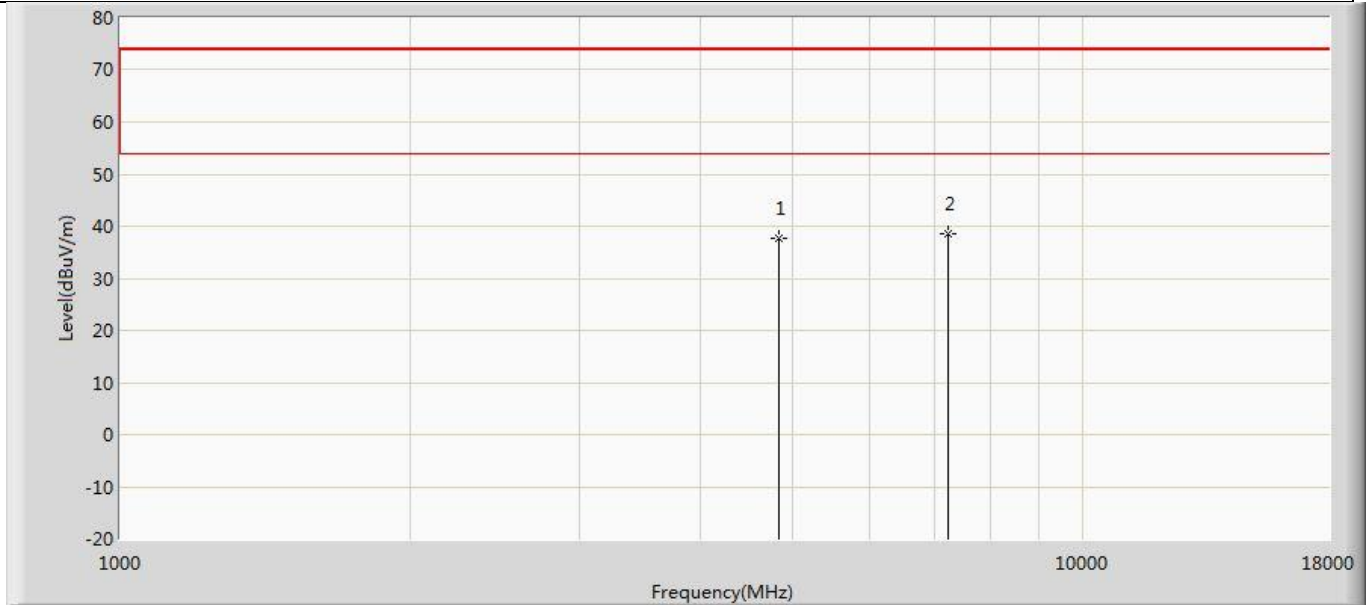
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4924.000       | 36.903                | 42.830              | -37.097        | 74.000        | -5.927     | PK   |
| 2  | *    | 7386.000       | 40.537                | 43.572              | -33.463        | 74.000        | -3.035     | PK   |

|                                                      |                          |
|------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                    | Page No.: 42             |
| Engineer: Neil                                       |                          |
| Site: AC5                                            | Time: 2021/01/16 - 10:48 |
| Limit: FCC_Part15.209_RE(3m)                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                   | Polarity: Vertical       |
| EUT: AP510CX                                         | Power: PoE -48V          |
| Note: Mode 3 : Transmit at 2462MHz by 802.11n(20MHz) |                          |



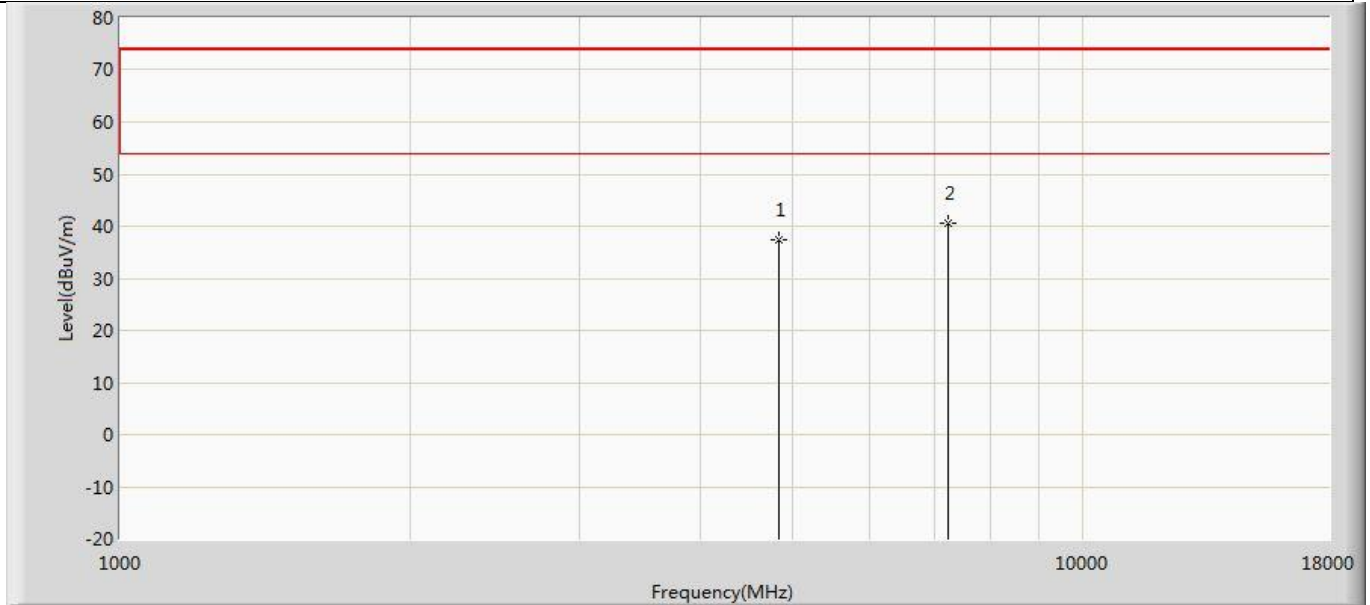
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4924.000       | 37.778                | 43.705              | -36.222        | 74.000        | -5.927     | PK   |
| 2  | *    | 7386.000       | 39.857                | 42.892              | -34.143        | 74.000        | -3.035     | PK   |

|                                                       |                          |
|-------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                     | Page No.: 43             |
| Engineer: Neil                                        |                          |
| Site: AC5                                             | Time: 2021/01/16 - 10:48 |
| Limit: FCC_Part15.209_RE(3m)                          | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                    | Polarity: Horizontal     |
| EUT: AP510CX                                          | Power: PoE -48V          |
| Note: Mode 4 : Transmit at 2412MHz by 802.11ax(20MHz) |                          |



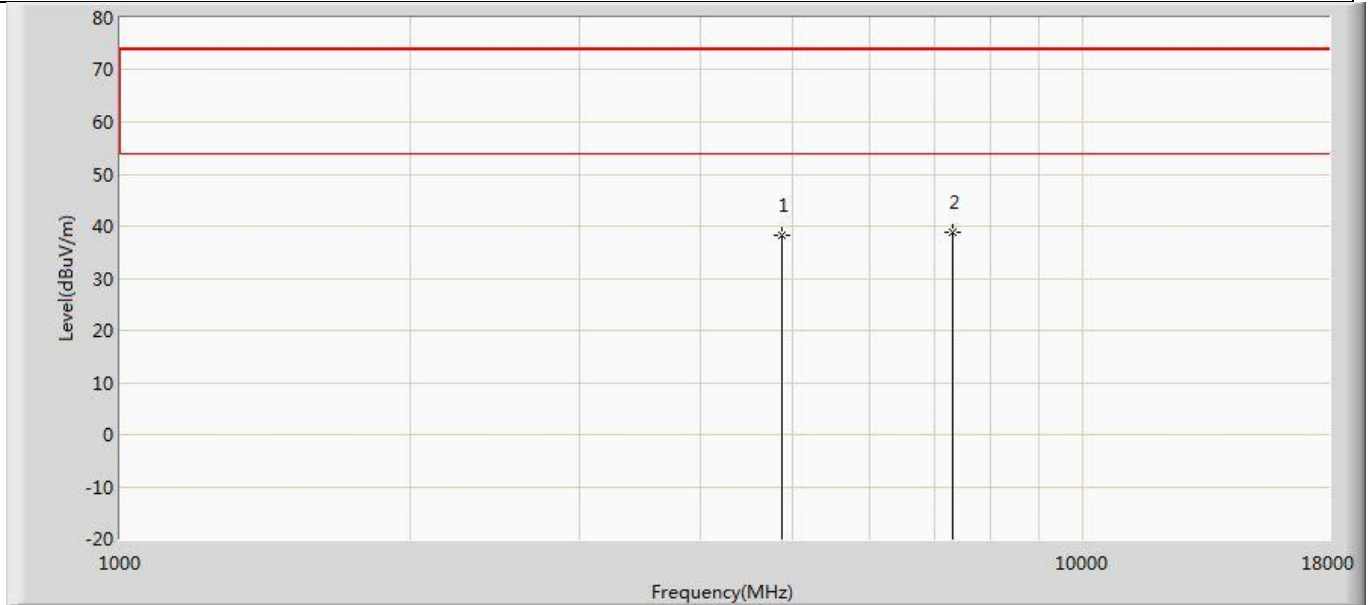
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4824.000       | 37.712                | 43.608              | -36.288        | 74.000        | -5.896     | PK   |
| 2  | *    | 7236.000       | 38.555                | 41.512              | -35.445        | 74.000        | -2.957     | PK   |

|                                                       |                          |
|-------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                     | Page No.: 44             |
| Engineer: Neil                                        |                          |
| Site: AC5                                             | Time: 2021/01/16 - 10:49 |
| Limit: FCC_Part15.209_RE(3m)                          | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                    | Polarity: Vertical       |
| EUT: AP510CX                                          | Power: PoE -48V          |
| Note: Mode 4 : Transmit at 2412MHz by 802.11ax(20MHz) |                          |



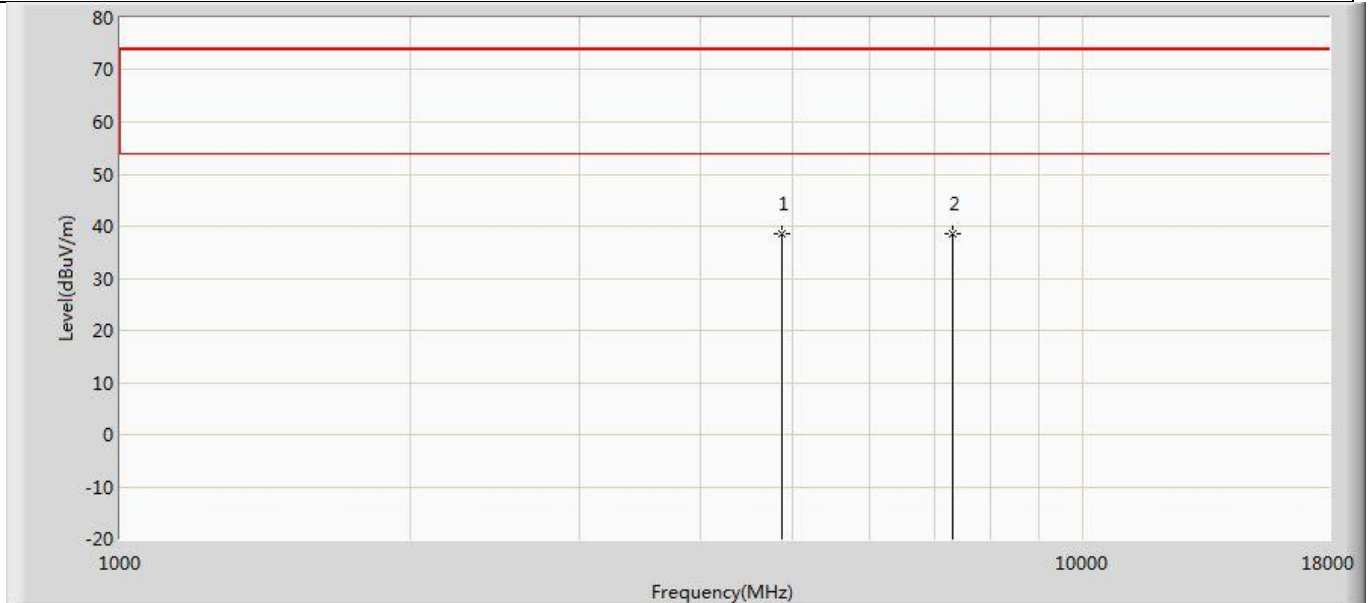
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4824.000       | 37.349                | 43.245              | -36.651        | 74.000        | -5.896     | PK   |
| 2  | *    | 7236.000       | 40.592                | 43.549              | -33.408        | 74.000        | -2.957     | PK   |

|                                                       |                          |
|-------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                     | Page No.: 45             |
| Engineer: Neil                                        |                          |
| Site: AC5                                             | Time: 2021/01/16 - 10:49 |
| Limit: FCC_Part15.209_RE(3m)                          | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                    | Polarity: Horizontal     |
| EUT: AP510CX                                          | Power: PoE -48V          |
| Note: Mode 4 : Transmit at 2437MHz by 802.11ax(20MHz) |                          |



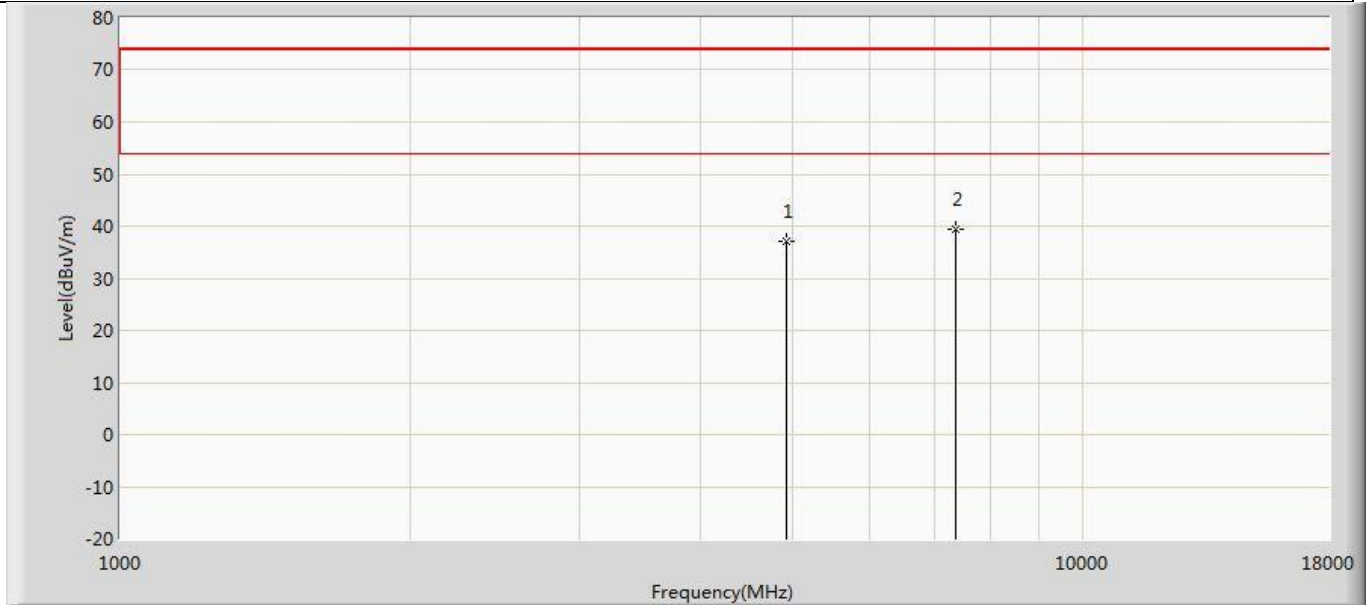
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4874.000       | 38.267                | 44.146              | -35.733        | 74.000        | -5.879     | PK   |
| 2  | *    | 7311.000       | 38.953                | 42.006              | -35.047        | 74.000        | -3.054     | PK   |

|                                                       |                          |
|-------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                     | Page No.: 46             |
| Engineer: Neil                                        |                          |
| Site: AC5                                             | Time: 2021/01/16 - 10:49 |
| Limit: FCC_Part15.209_RE(3m)                          | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                    | Polarity: Vertical       |
| EUT: AP510CX                                          | Power: PoE -48V          |
| Note: Mode 4 : Transmit at 2437MHz by 802.11ax(20MHz) |                          |



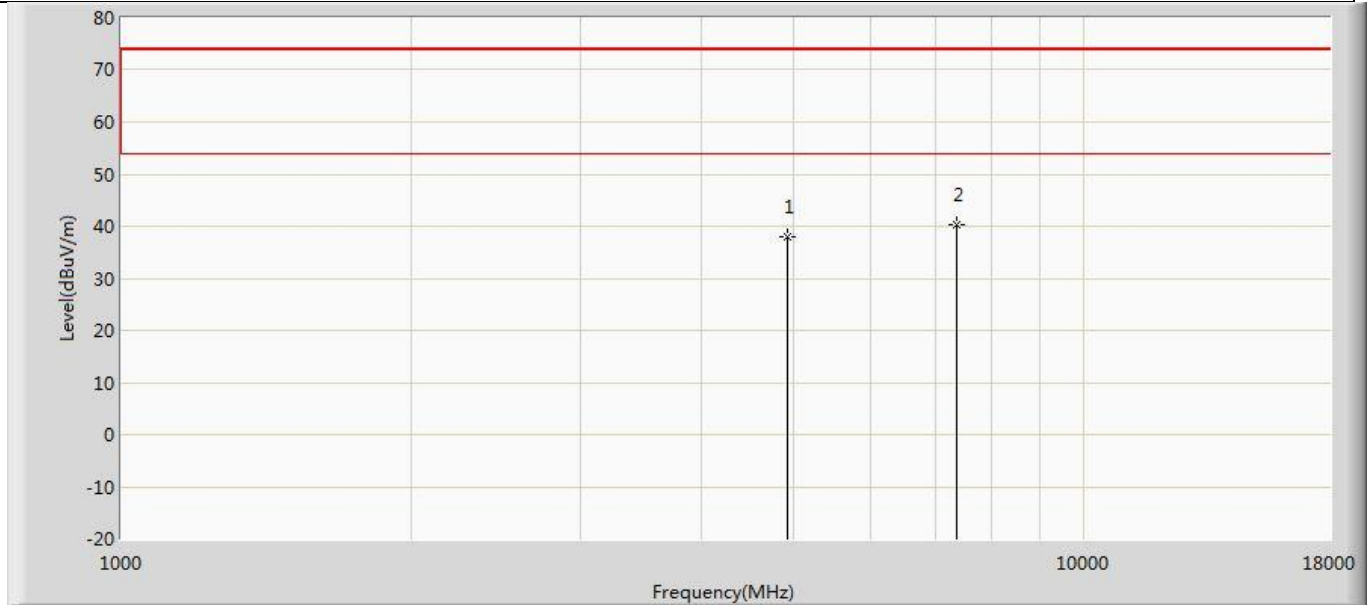
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  | *    | 4874.000       | 38.592                | 44.471              | -35.408        | 74.000        | -5.879     | PK   |
| 2  |      | 7311.000       | 38.410                | 41.463              | -35.590        | 74.000        | -3.054     | PK   |

|                                                       |                          |
|-------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                     | Page No.: 47             |
| Engineer: Neil                                        |                          |
| Site: AC5                                             | Time: 2021/01/16 - 10:49 |
| Limit: FCC_Part15.209_RE(3m)                          | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                    | Polarity: Horizontal     |
| EUT: AP510CX                                          | Power: PoE -48V          |
| Note: Mode 4 : Transmit at 2462MHz by 802.11ax(20MHz) |                          |



| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4924.000       | 37.011                | 42.938              | -36.989        | 74.000        | -5.927     | PK   |
| 2  | *    | 7386.000       | 39.459                | 42.494              | -34.541        | 74.000        | -3.035     | PK   |

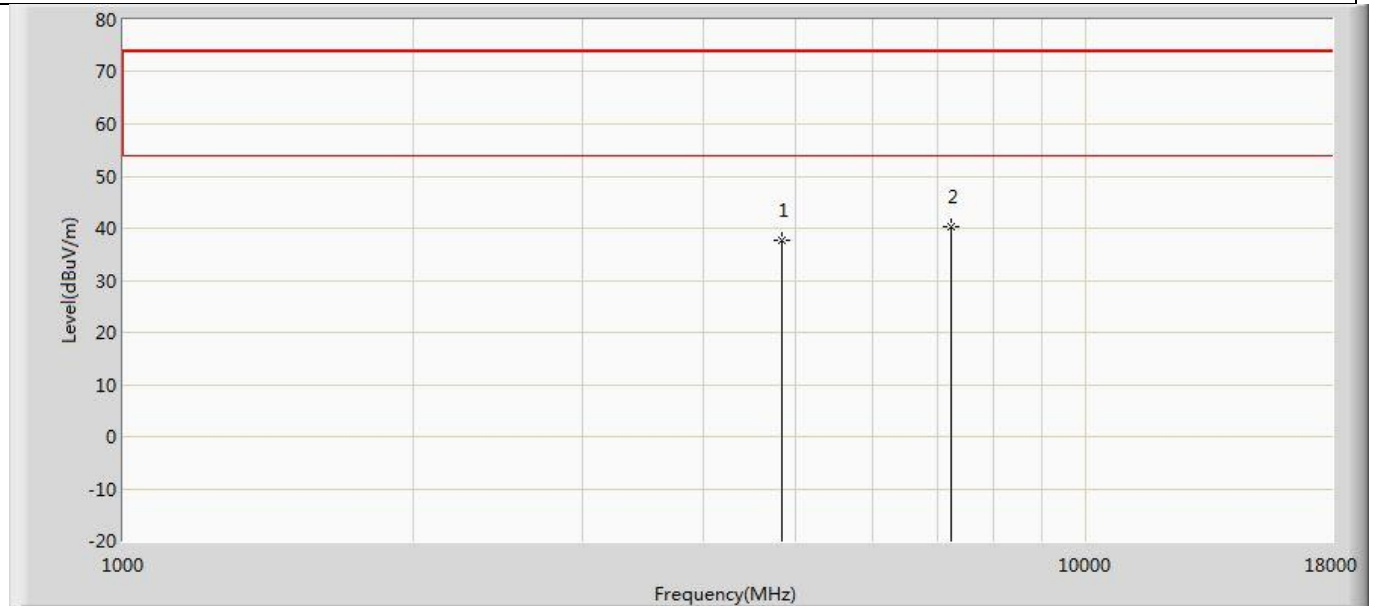
|                                                       |                          |
|-------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                     | Page No.: 48             |
| Engineer: Neil                                        |                          |
| Site: AC5                                             | Time: 2021/01/16 - 10:49 |
| Limit: FCC_Part15.209_RE(3m)                          | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                    | Polarity: Vertical       |
| EUT: AP510CX                                          | Power: PoE -48V          |
| Note: Mode 4 : Transmit at 2462MHz by 802.11ax(20MHz) |                          |



| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4924.000       | 37.898                | 43.825              | -36.102        | 74.000        | -5.927     | PK   |
| 2  | *    | 7386.000       | 40.264                | 43.299              | -33.736        | 74.000        | -3.035     | PK   |

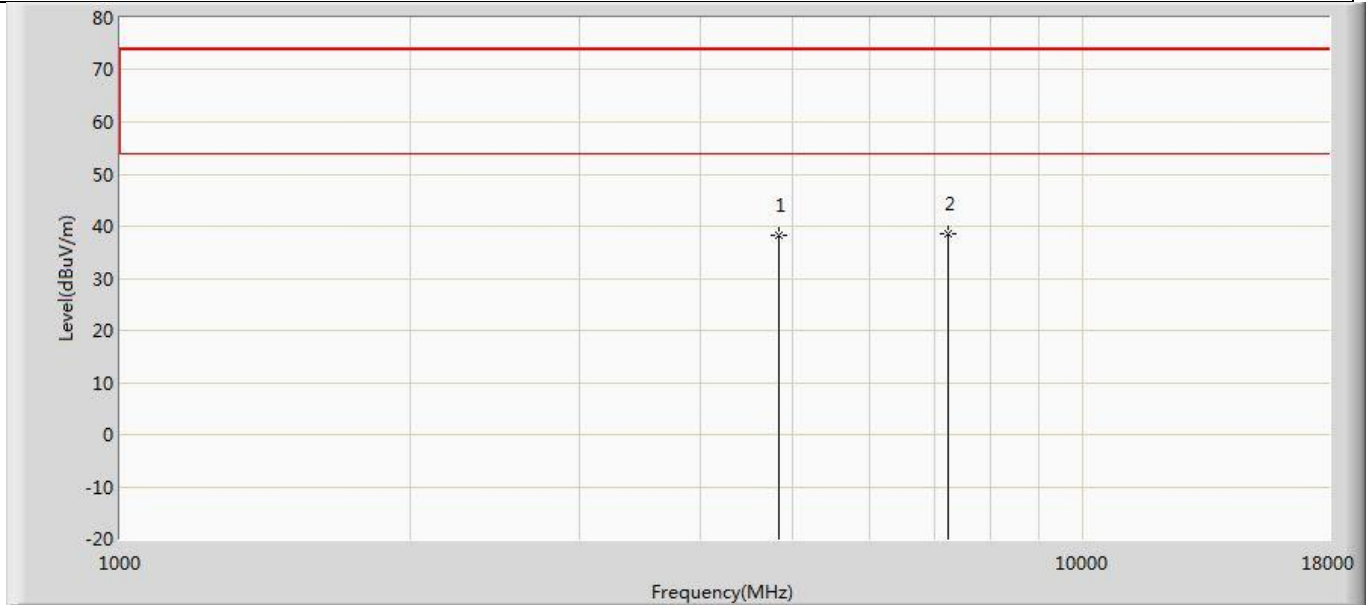
**Dipole Antenna – MIMO (Beamforming 4TX)**

|                                                      |                          |
|------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                    | Page No.: 13             |
| Engineer: Neil                                       |                          |
| Site: AC5                                            | Time: 2021/01/16 - 10:58 |
| Limit: FCC_Part15.209_RE(3m)                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                   | Polarity: Horizontal     |
| EUT: AP510CX                                         | Power: PoE -48V          |
| Note: Mode 1 : Transmit at 2412MHz by 802.11n(20MHz) |                          |



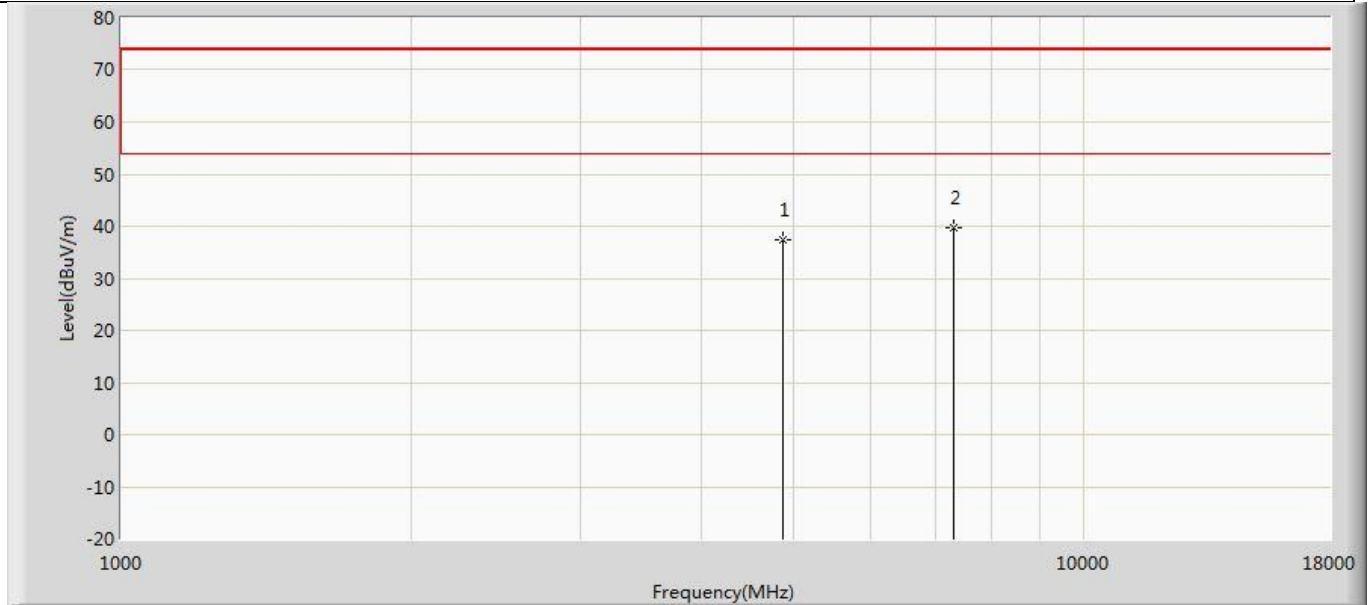
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4824.000       | 37.721                | 43.617              | -36.279        | 74.000        | -5.896     | PK   |
| 2  | *    | 7236.000       | 40.149                | 43.106              | -33.851        | 74.000        | -2.957     | PK   |

|                                                      |                          |
|------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                    | Page No.: 14             |
| Engineer: Neil                                       |                          |
| Site: AC5                                            | Time: 2021/01/16 - 10:58 |
| Limit: FCC_Part15.209_RE(3m)                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                   | Polarity: Vertical       |
| EUT: AP510CX                                         | Power: PoE -48V          |
| Note: Mode 1 : Transmit at 2412MHz by 802.11n(20MHz) |                          |



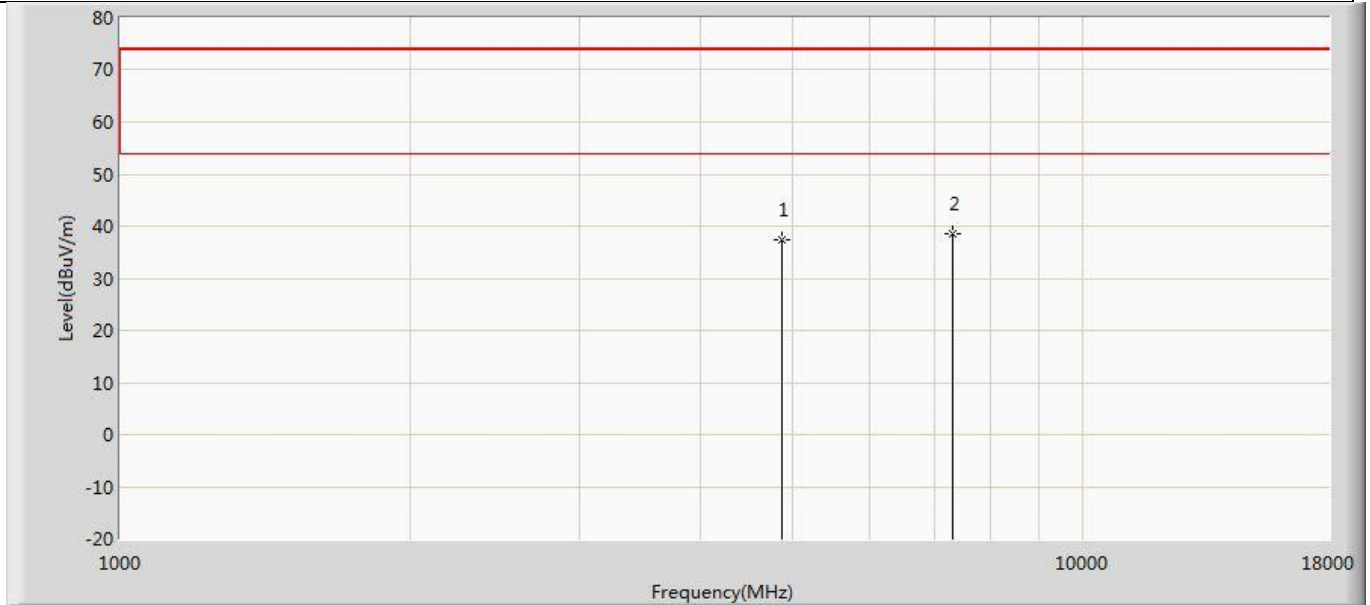
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4824.000       | 38.359                | 44.255              | -35.641        | 74.000        | -5.896     | PK   |
| 2  | *    | 7236.000       | 38.655                | 41.612              | -35.345        | 74.000        | -2.957     | PK   |

|                                                      |                          |
|------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                    | Page No.: 15             |
| Engineer: Neil                                       |                          |
| Site: AC5                                            | Time: 2021/01/16 - 10:58 |
| Limit: FCC_Part15.209_RE(3m)                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                   | Polarity: Horizontal     |
| EUT: AP510CX                                         | Power: PoE -48V          |
| Note: Mode 1 : Transmit at 2437MHz by 802.11n(20MHz) |                          |



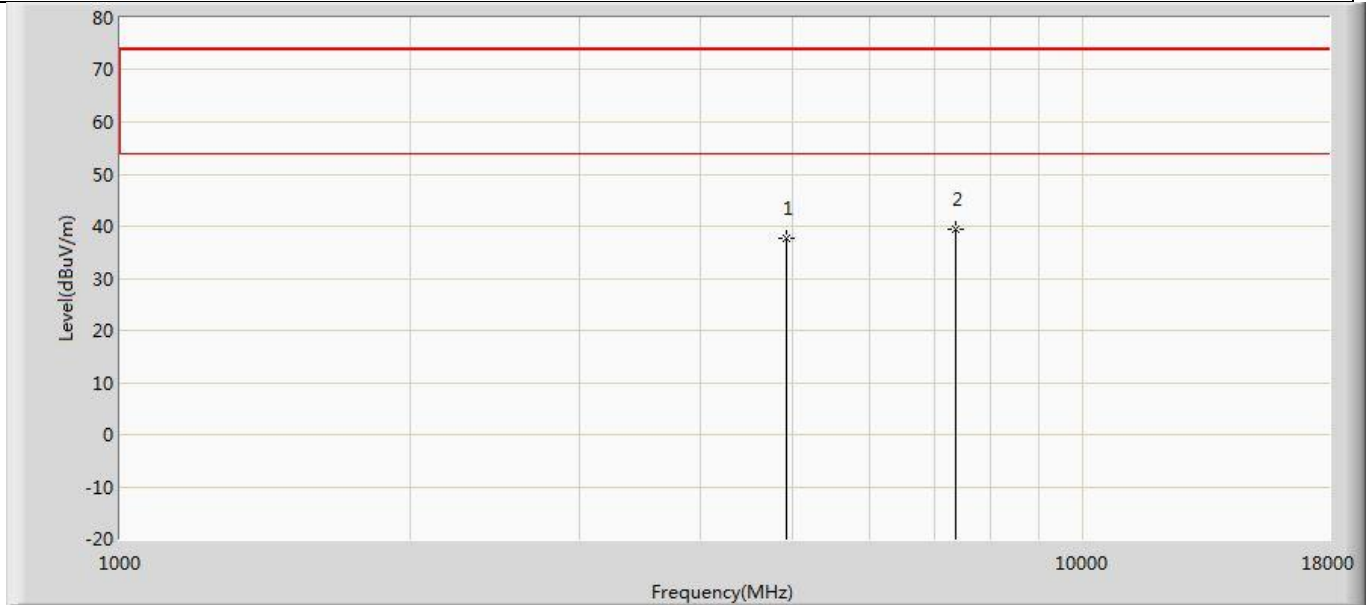
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4874.000       | 37.428                | 43.307              | -36.572        | 74.000        | -5.879     | PK   |
| 2  | *    | 7311.000       | 39.667                | 42.720              | -34.333        | 74.000        | -3.054     | PK   |

|                                                      |                          |
|------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                    | Page No.: 16             |
| Engineer: Neil                                       |                          |
| Site: AC5                                            | Time: 2021/01/16 - 10:59 |
| Limit: FCC_Part15.209_RE(3m)                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                   | Polarity: Vertical       |
| EUT: AP510CX                                         | Power: PoE -48V          |
| Note: Mode 1 : Transmit at 2437MHz by 802.11n(20MHz) |                          |



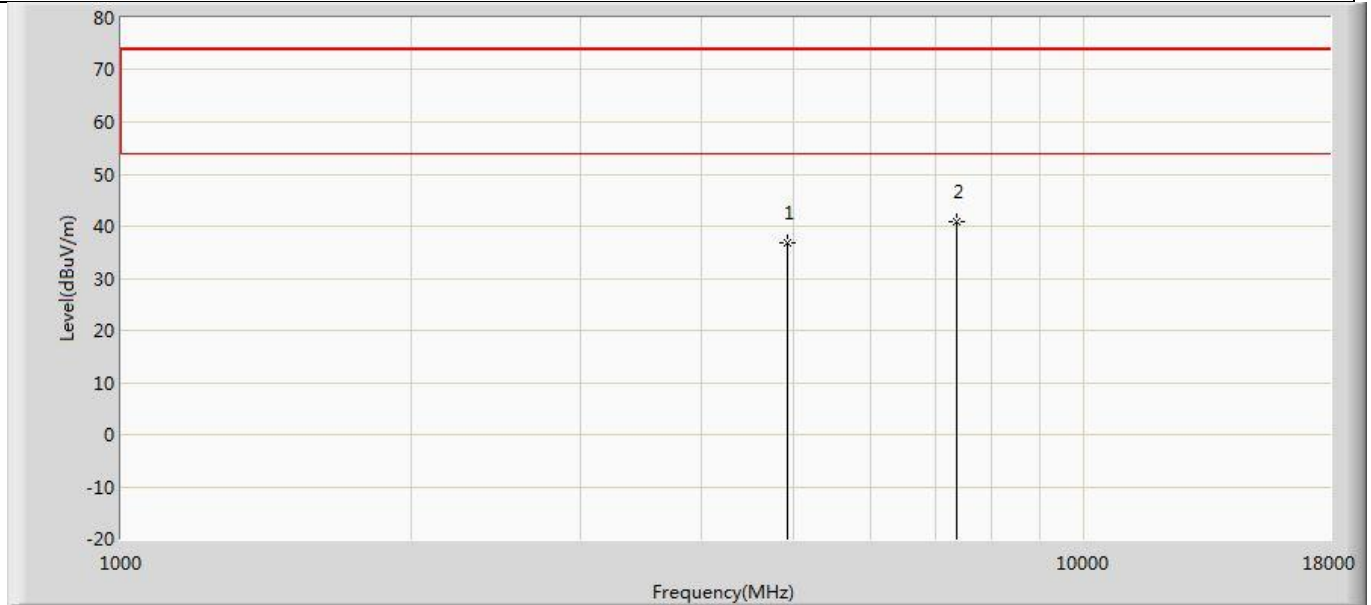
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4874.000       | 37.521                | 43.400              | -36.479        | 74.000        | -5.879     | PK   |
| 2  | *    | 7311.000       | 38.443                | 41.496              | -35.557        | 74.000        | -3.054     | PK   |

|                                                      |                          |
|------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                    | Page No.: 17             |
| Engineer: Neil                                       |                          |
| Site: AC5                                            | Time: 2021/01/16 - 10:59 |
| Limit: FCC_Part15.209_RE(3m)                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                   | Polarity: Horizontal     |
| EUT: AP510CX                                         | Power: PoE -48V          |
| Note: Mode 1 : Transmit at 2462MHz by 802.11n(20MHz) |                          |



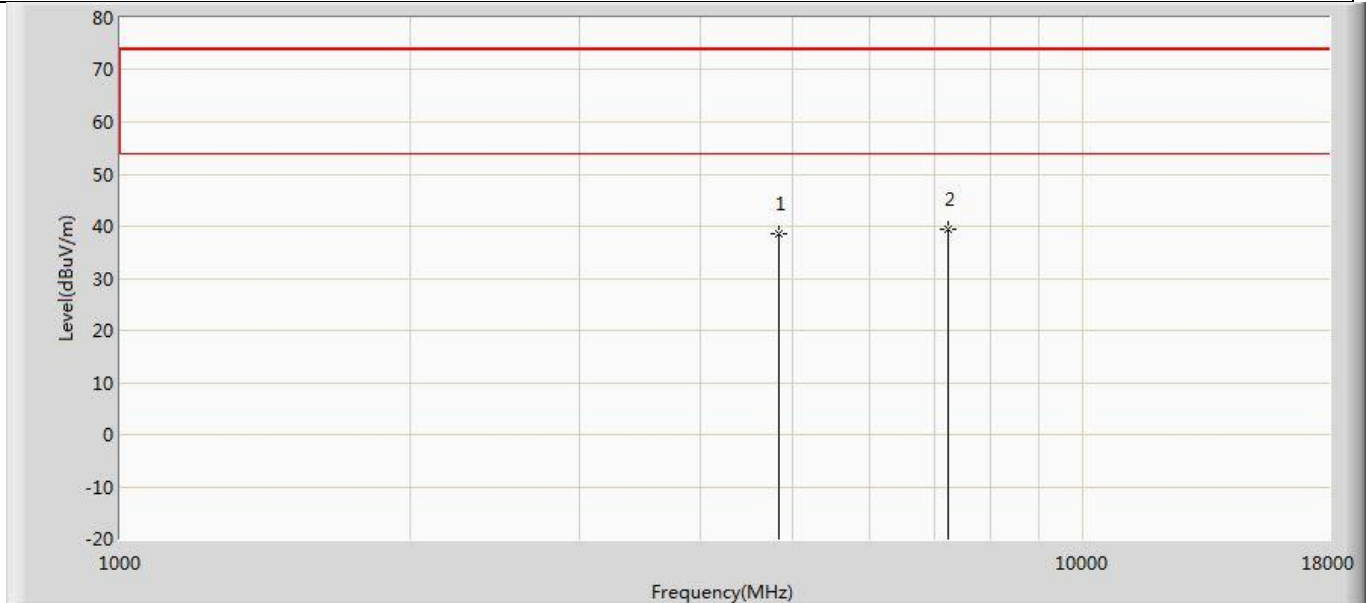
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4924.000       | 37.559                | 43.486              | -36.441        | 74.000        | -5.927     | PK   |
| 2  | *    | 7386.000       | 39.546                | 42.581              | -34.454        | 74.000        | -3.035     | PK   |

|                                                      |                          |
|------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                    | Page No.: 18             |
| Engineer: Neil                                       |                          |
| Site: AC5                                            | Time: 2021/01/16 - 10:59 |
| Limit: FCC_Part15.209_RE(3m)                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                   | Polarity: Vertical       |
| EUT: AP510CX                                         | Power: PoE -48V          |
| Note: Mode 1 : Transmit at 2462MHz by 802.11n(20MHz) |                          |



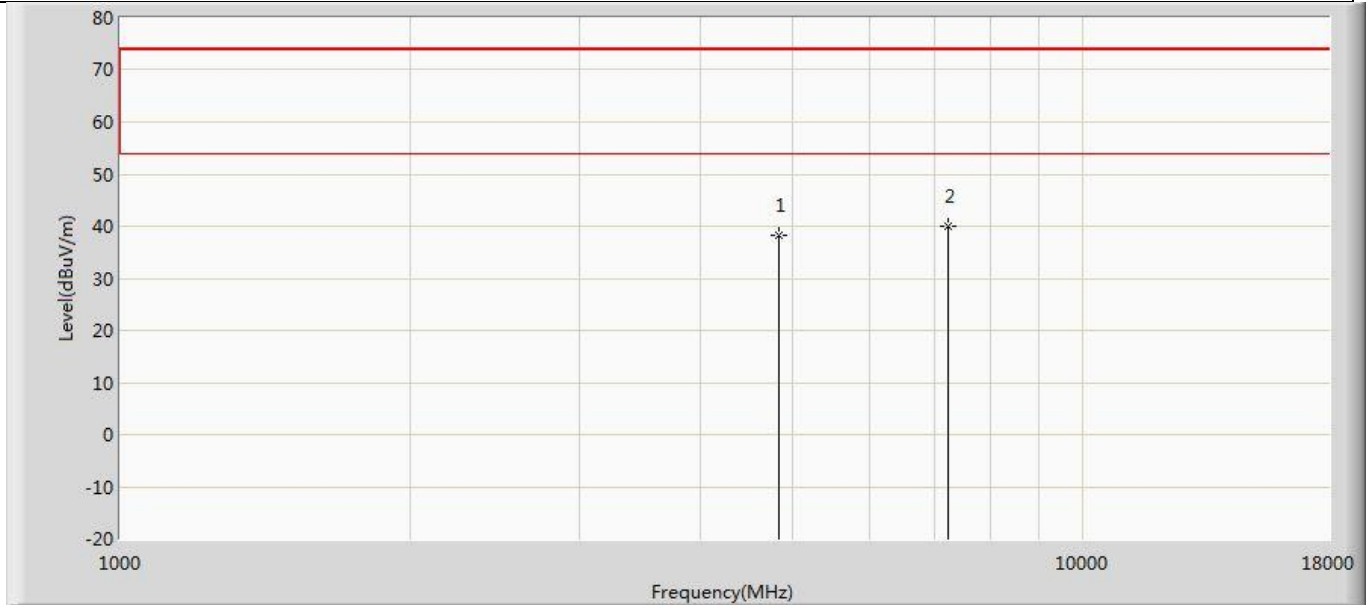
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4924.000       | 36.929                | 42.856              | -37.071        | 74.000        | -5.927     | PK   |
| 2  | *    | 7386.000       | 40.854                | 43.889              | -33.146        | 74.000        | -3.035     | PK   |

|                                                       |                          |
|-------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                     | Page No.: 19             |
| Engineer: Neil                                        |                          |
| Site: AC5                                             | Time: 2021/01/16 - 10:59 |
| Limit: FCC_Part15.209_RE(3m)                          | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                    | Polarity: Horizontal     |
| EUT: AP510CX                                          | Power: PoE -48V          |
| Note: Mode 2 : Transmit at 2412MHz by 802.11ax(20MHz) |                          |



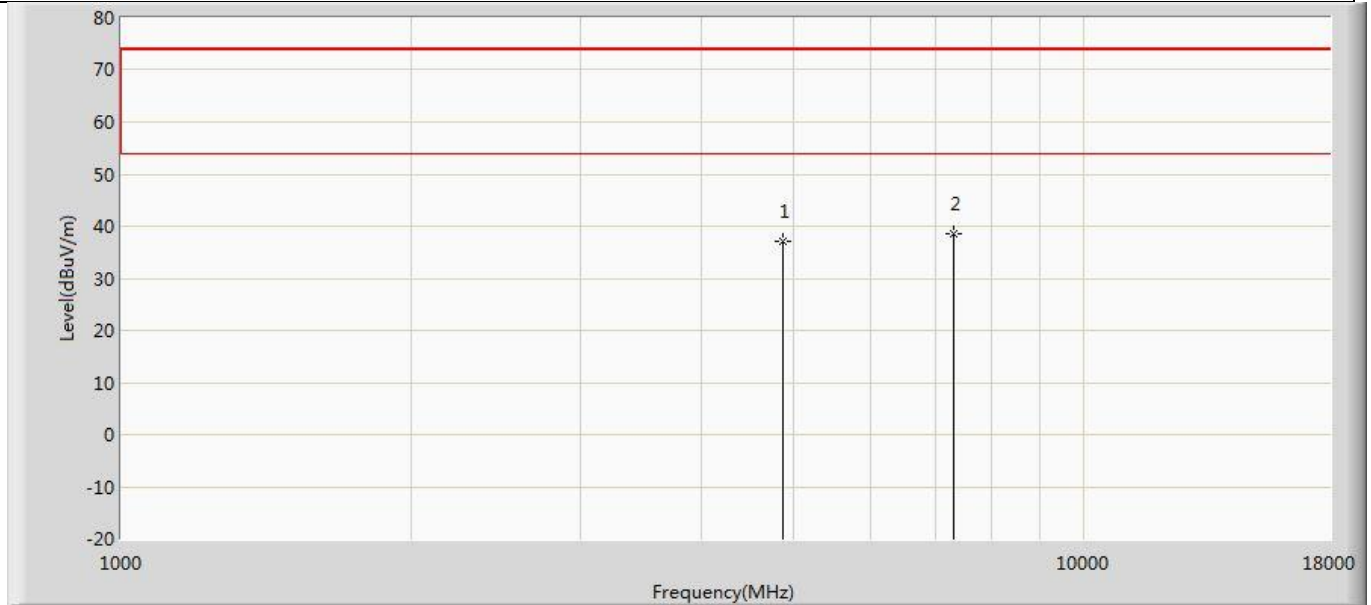
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4824.000       | 38.456                | 44.352              | -35.544        | 74.000        | -5.896     | PK   |
| 2  | *    | 7236.000       | 39.417                | 42.374              | -34.583        | 74.000        | -2.957     | PK   |

|                                                       |                          |
|-------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                     | Page No.: 20             |
| Engineer: Neil                                        |                          |
| Site: AC5                                             | Time: 2021/01/16 - 10:59 |
| Limit: FCC_Part15.209_RE(3m)                          | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                    | Polarity: Vertical       |
| EUT: AP510CX                                          | Power: PoE -48V          |
| Note: Mode 2 : Transmit at 2412MHz by 802.11ax(20MHz) |                          |



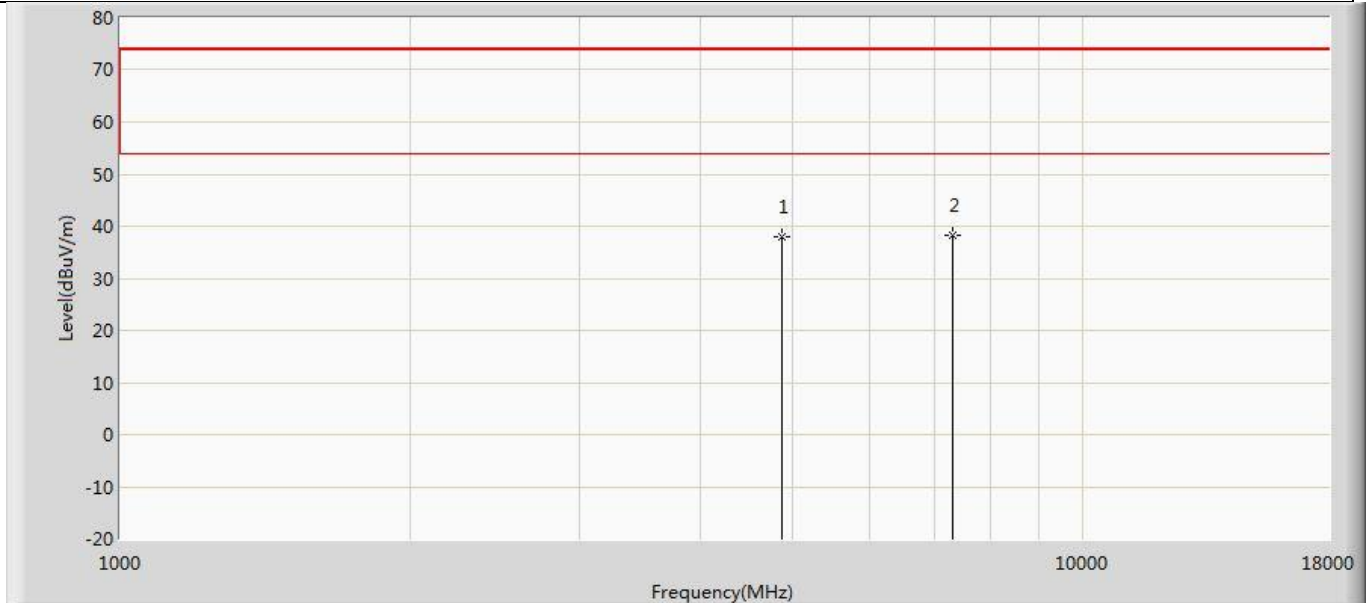
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4824.000       | 38.200                | 44.096              | -35.800        | 74.000        | -5.896     | PK   |
| 2  | *    | 7236.000       | 39.893                | 42.850              | -34.107        | 74.000        | -2.957     | PK   |

|                                                       |                          |
|-------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                     | Page No.: 21             |
| Engineer: Neil                                        |                          |
| Site: AC5                                             | Time: 2021/01/16 - 10:59 |
| Limit: FCC_Part15.209_RE(3m)                          | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                    | Polarity: Horizontal     |
| EUT: AP510CX                                          | Power: PoE -48V          |
| Note: Mode 2 : Transmit at 2437MHz by 802.11ax(20MHz) |                          |



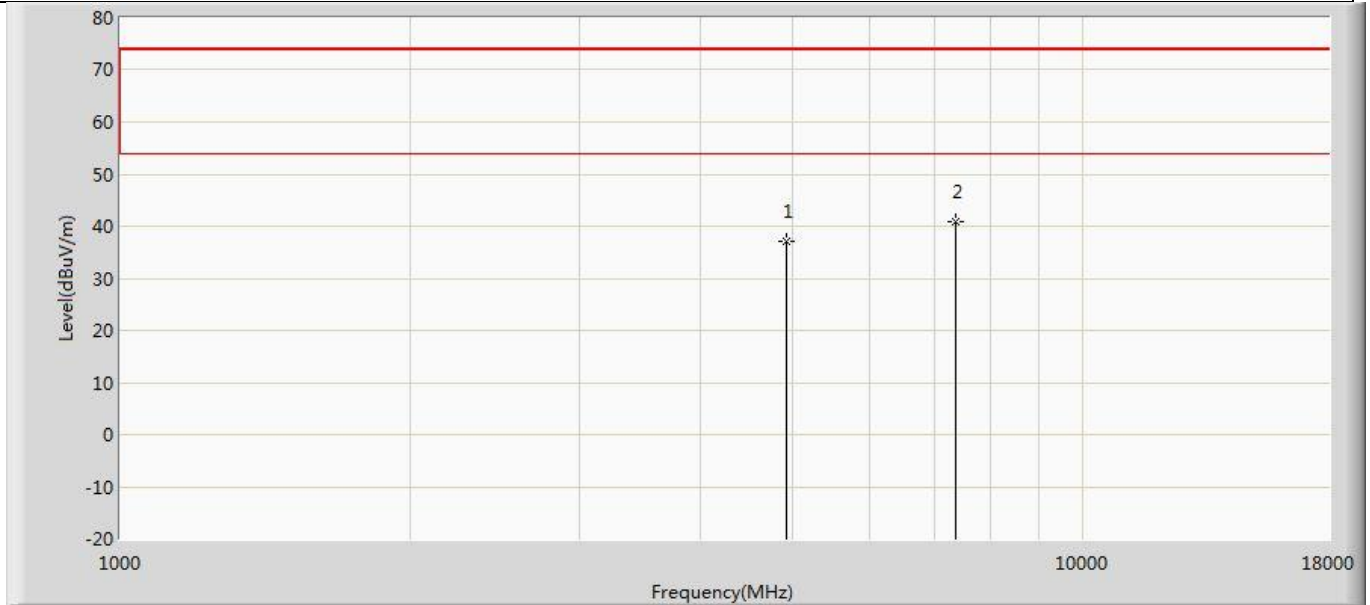
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4874.000       | 37.046                | 42.925              | -36.954        | 74.000        | -5.879     | PK   |
| 2  | *    | 7311.000       | 38.494                | 41.547              | -35.506        | 74.000        | -3.054     | PK   |

|                                                       |                          |
|-------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                     | Page No.: 22             |
| Engineer: Neil                                        |                          |
| Site: AC5                                             | Time: 2021/01/16 - 10:59 |
| Limit: FCC_Part15.209_RE(3m)                          | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                    | Polarity: Vertical       |
| EUT: AP510CX                                          | Power: PoE -48V          |
| Note: Mode 2 : Transmit at 2437MHz by 802.11ax(20MHz) |                          |



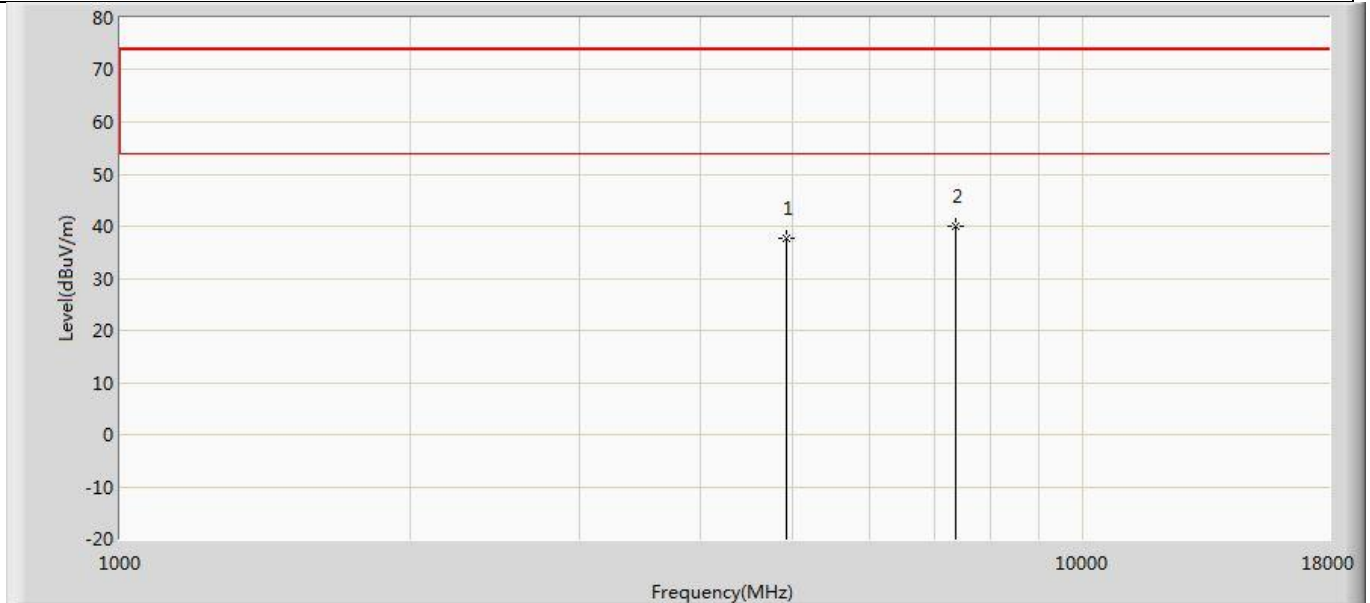
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4874.000       | 37.838                | 43.717              | -36.162        | 74.000        | -5.879     | PK   |
| 2  | *    | 7311.000       | 38.171                | 41.224              | -35.829        | 74.000        | -3.054     | PK   |

|                                                       |                          |
|-------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                     | Page No.: 23             |
| Engineer: Neil                                        |                          |
| Site: AC5                                             | Time: 2021/01/16 - 10:59 |
| Limit: FCC_Part15.209_RE(3m)                          | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                    | Polarity: Horizontal     |
| EUT: AP510CX                                          | Power: PoE -48V          |
| Note: Mode 2 : Transmit at 2462MHz by 802.11ax(20MHz) |                          |



| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4924.000       | 37.146                | 43.073              | -36.854        | 74.000        | -5.927     | PK   |
| 2  | *    | 7386.000       | 40.887                | 43.922              | -33.113        | 74.000        | -3.035     | PK   |

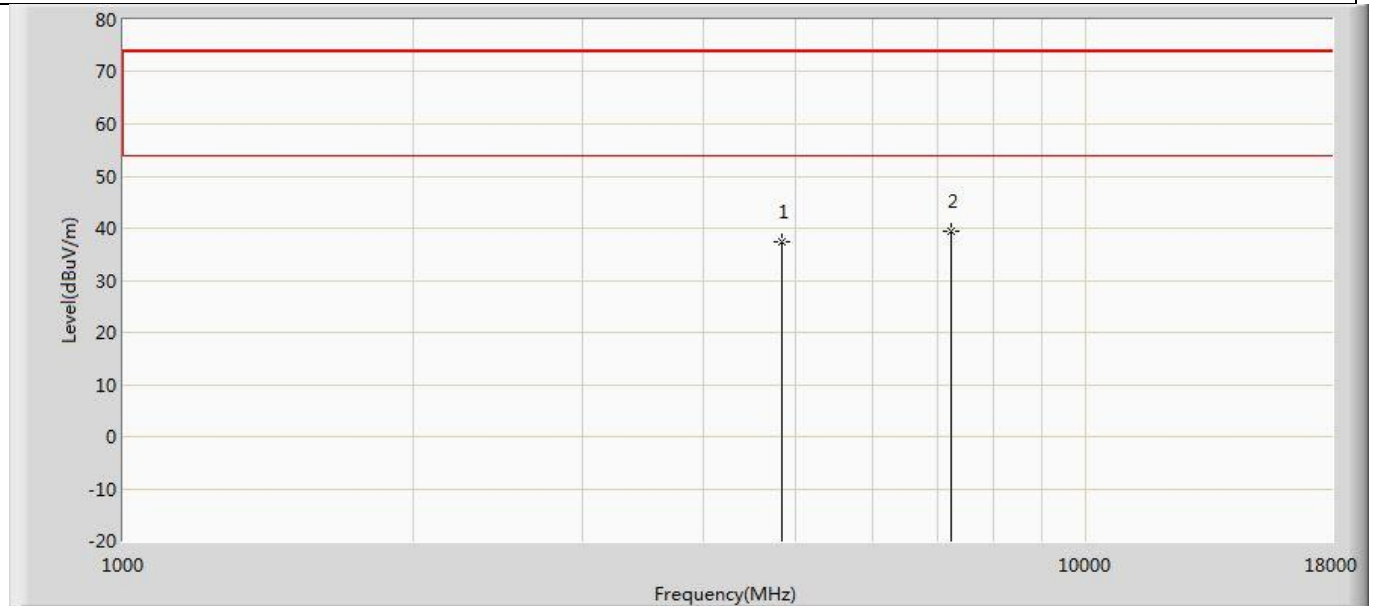
|                                                       |                          |
|-------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                     | Page No.: 24             |
| Engineer: Neil                                        |                          |
| Site: AC5                                             | Time: 2021/01/16 - 10:59 |
| Limit: FCC_Part15.209_RE(3m)                          | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                    | Polarity: Vertical       |
| EUT: AP510CX                                          | Power: PoE -48V          |
| Note: Mode 2 : Transmit at 2462MHz by 802.11ax(20MHz) |                          |



| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4924.000       | 37.546                | 43.473              | -36.454        | 74.000        | -5.927     | PK   |
| 2  | *    | 7386.000       | 39.906                | 42.941              | -34.094        | 74.000        | -3.035     | PK   |

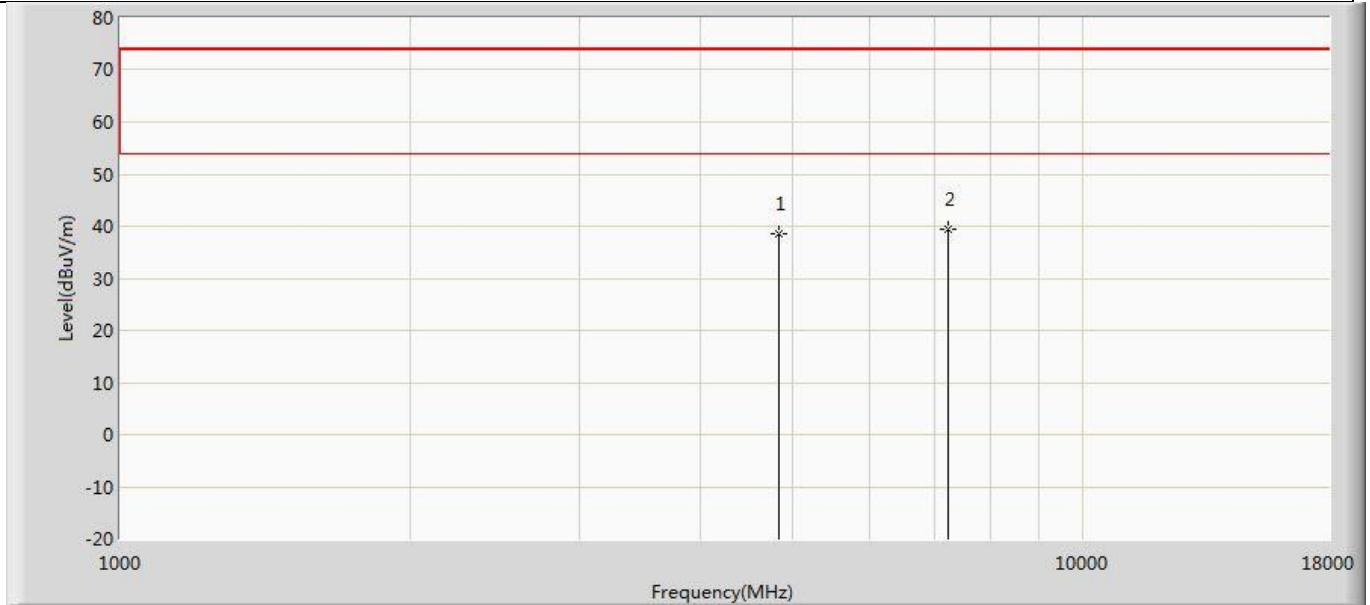
## Sector Antenna – MIMO (CDD 2TX)

|                                               |                          |
|-----------------------------------------------|--------------------------|
| Profile: 20B0117R                             | Page No.: 25             |
| Engineer: Neil                                |                          |
| Site: AC5                                     | Time: 2021/01/19 - 19:51 |
| Limit: FCC_Part15.209_RE(3m)                  | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)            | Polarity: Horizontal     |
| EUT: AP510CX                                  | Power: PoE -48V          |
| Note: Mode 1 : Transmit at 2412MHz by 802.11b |                          |



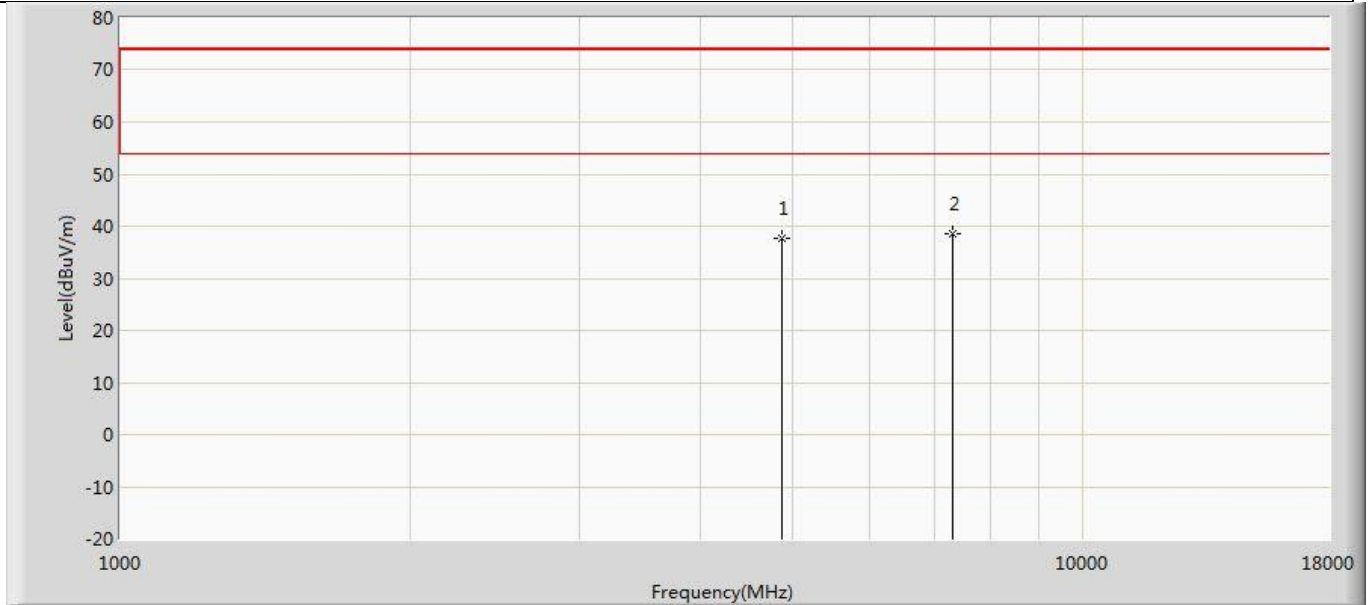
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4824.000       | 37.536                | 43.432              | -36.464        | 74.000        | -5.896     | PK   |
| 2  | *    | 7236.000       | 39.466                | 42.423              | -34.534        | 74.000        | -2.957     | PK   |

|                                               |                          |
|-----------------------------------------------|--------------------------|
| Profile: 20B0117R                             | Page No.: 26             |
| Engineer: Neil                                |                          |
| Site: AC5                                     | Time: 2021/01/19 - 19:51 |
| Limit: FCC_Part15.209_RE(3m)                  | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)            | Polarity: Vertical       |
| EUT: AP510CX                                  | Power: PoE -48V          |
| Note: Mode 1 : Transmit at 2412MHz by 802.11b |                          |



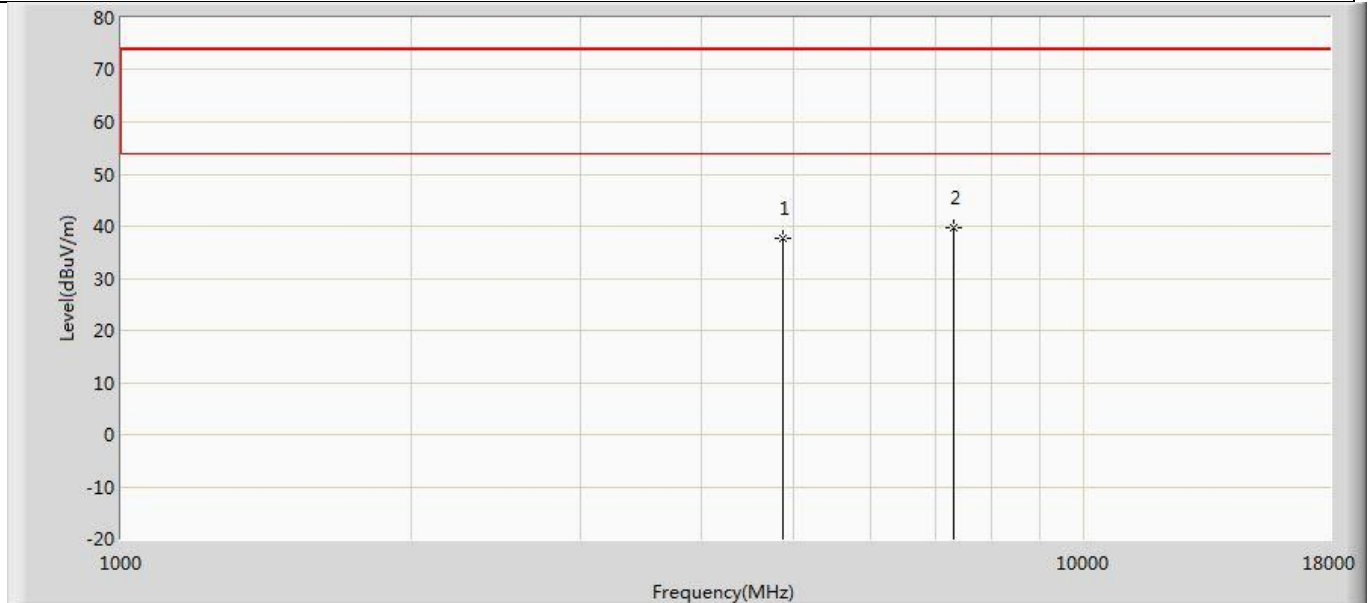
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4824.000       | 38.476                | 44.372              | -35.524        | 74.000        | -5.896     | PK   |
| 2  | *    | 7236.000       | 39.516                | 42.473              | -34.484        | 74.000        | -2.957     | PK   |

|                                               |                          |
|-----------------------------------------------|--------------------------|
| Profile: 20B0117R                             | Page No.: 27             |
| Engineer: Neil                                |                          |
| Site: AC5                                     | Time: 2021/01/19 - 19:51 |
| Limit: FCC_Part15.209_RE(3m)                  | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)            | Polarity: Horizontal     |
| EUT: AP510CX                                  | Power: PoE -48V          |
| Note: Mode 1 : Transmit at 2437MHz by 802.11b |                          |



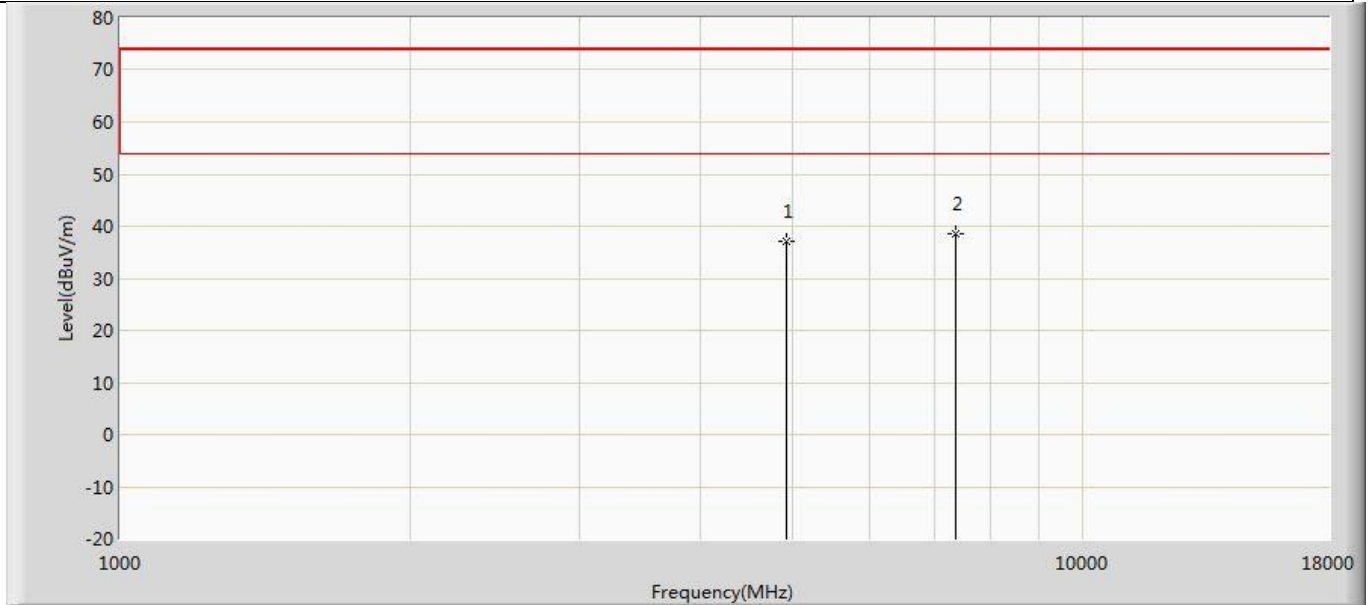
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4874.000       | 37.624                | 43.503              | -36.376        | 74.000        | -5.879     | PK   |
| 2  | *    | 7311.000       | 38.579                | 41.632              | -35.421        | 74.000        | -3.054     | PK   |

|                                               |                          |
|-----------------------------------------------|--------------------------|
| Profile: 20B0117R                             | Page No.: 28             |
| Engineer: Neil                                |                          |
| Site: AC5                                     | Time: 2021/01/19 - 19:51 |
| Limit: FCC_Part15.209_RE(3m)                  | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)            | Polarity: Vertical       |
| EUT: AP510CX                                  | Power: PoE -48V          |
| Note: Mode 1 : Transmit at 2437MHz by 802.11b |                          |



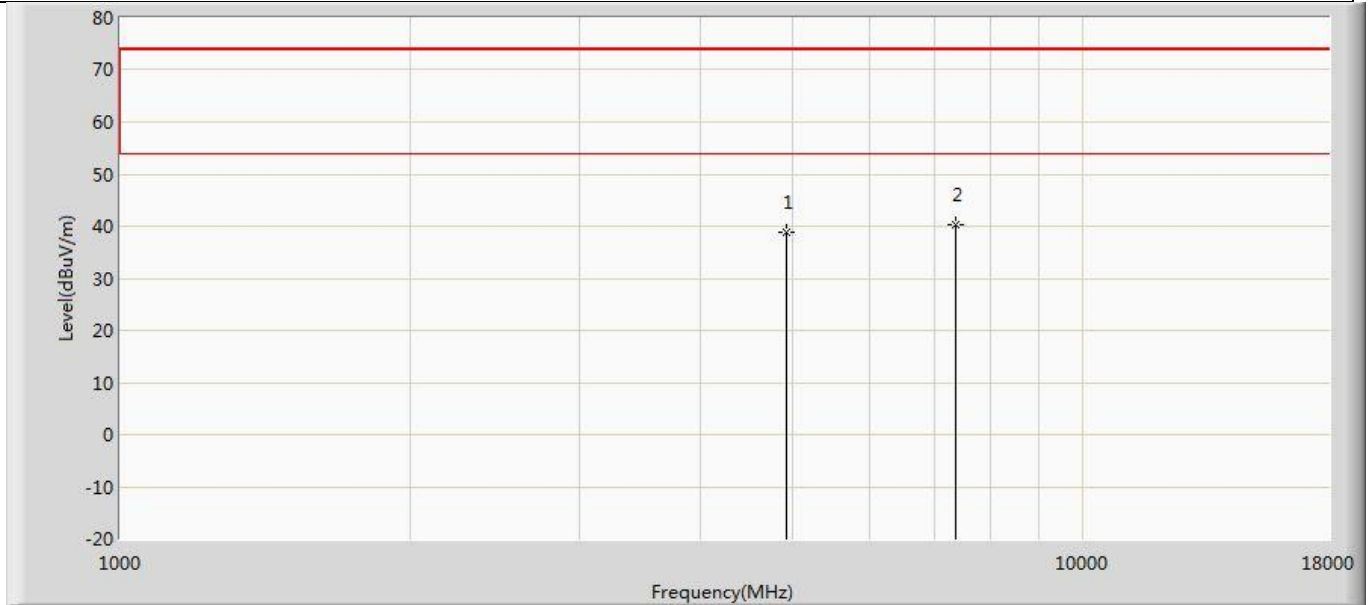
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4874.000       | 37.649                | 43.528              | -36.351        | 74.000        | -5.879     | PK   |
| 2  | *    | 7311.000       | 39.764                | 42.817              | -34.236        | 74.000        | -3.054     | PK   |

|                                               |                          |
|-----------------------------------------------|--------------------------|
| Profile: 20B0117R                             | Page No.: 29             |
| Engineer: Neil                                |                          |
| Site: AC5                                     | Time: 2021/01/19 - 19:51 |
| Limit: FCC_Part15.209_RE(3m)                  | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)            | Polarity: Horizontal     |
| EUT: AP510CX                                  | Power: PoE -48V          |
| Note: Mode 1 : Transmit at 2462MHz by 802.11b |                          |



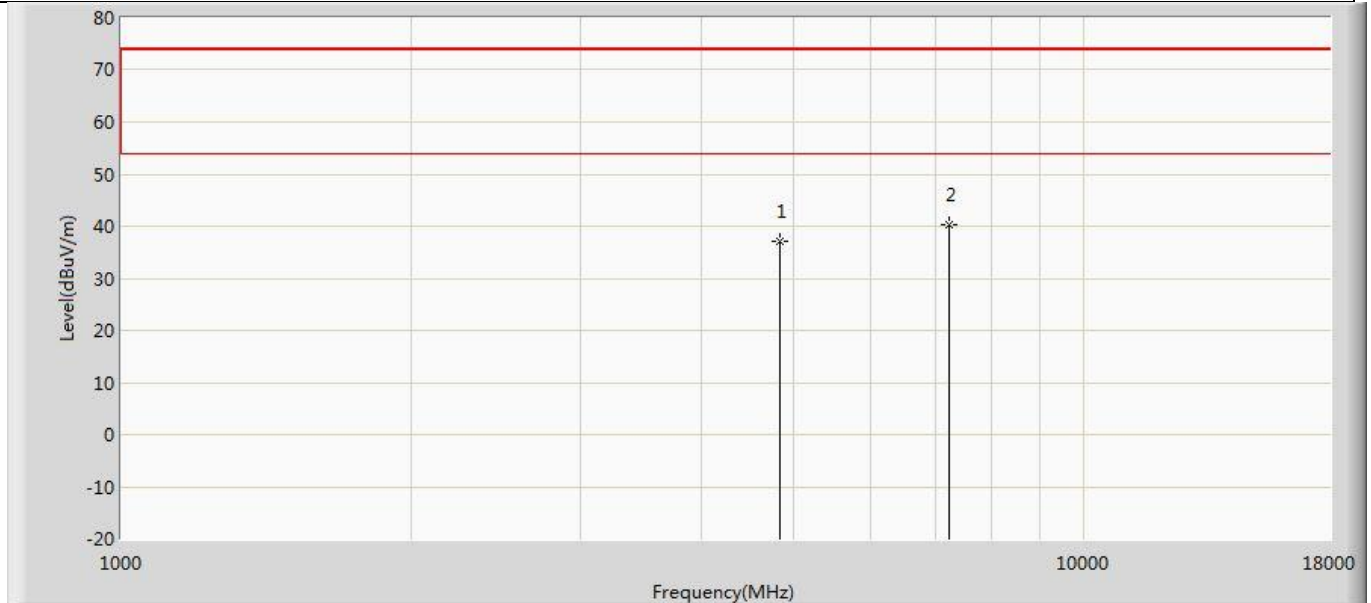
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4924.000       | 37.138                | 43.065              | -36.862        | 74.000        | -5.927     | PK   |
| 2  | *    | 7386.000       | 38.562                | 41.597              | -35.438        | 74.000        | -3.035     | PK   |

|                                               |                          |
|-----------------------------------------------|--------------------------|
| Profile: 20B0117R                             | Page No.: 30             |
| Engineer: Neil                                |                          |
| Site: AC5                                     | Time: 2021/01/19 - 19:51 |
| Limit: FCC_Part15.209_RE(3m)                  | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)            | Polarity: Vertical       |
| EUT: AP510CX                                  | Power: PoE -48V          |
| Note: Mode 1 : Transmit at 2462MHz by 802.11b |                          |



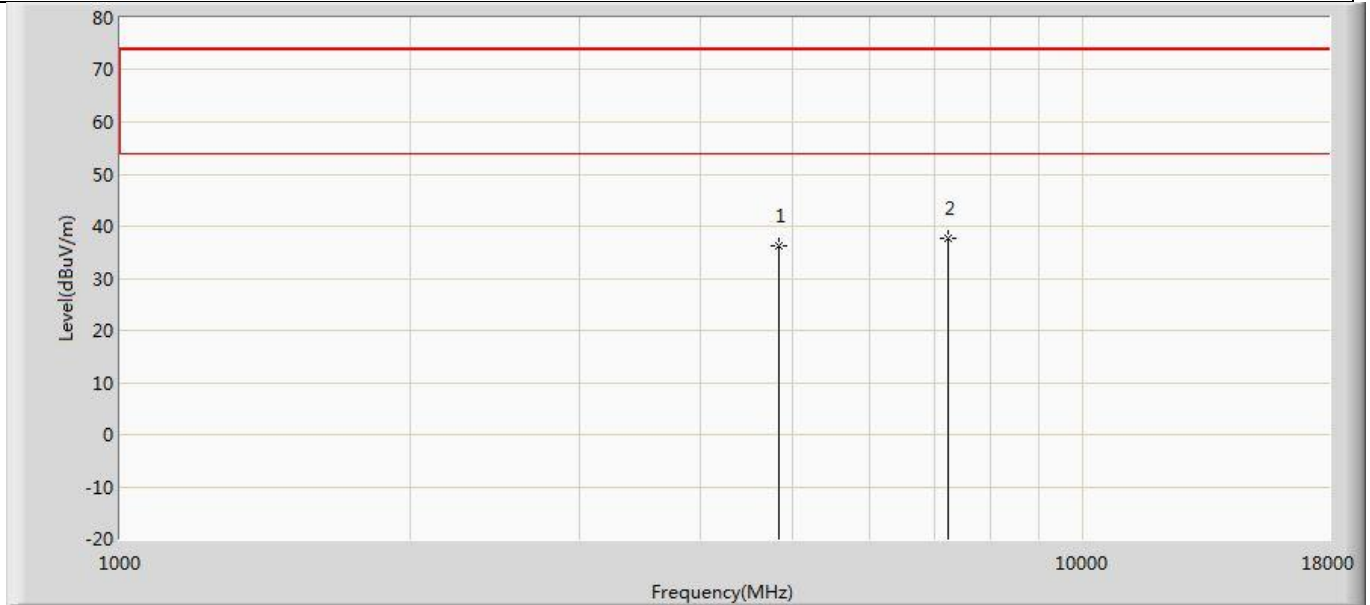
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4924.000       | 38.764                | 44.691              | -35.236        | 74.000        | -5.927     | PK   |
| 2  | *    | 7386.000       | 40.348                | 43.383              | -33.652        | 74.000        | -3.035     | PK   |

|                                               |                          |
|-----------------------------------------------|--------------------------|
| Profile: 20B0117R                             | Page No.: 31             |
| Engineer: Neil                                |                          |
| Site: AC5                                     | Time: 2021/01/19 - 19:51 |
| Limit: FCC_Part15.209_RE(3m)                  | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)            | Polarity: Horizontal     |
| EUT: AP510CX                                  | Power: PoE -48V          |
| Note: Mode 2 : Transmit at 2412MHz by 802.11g |                          |



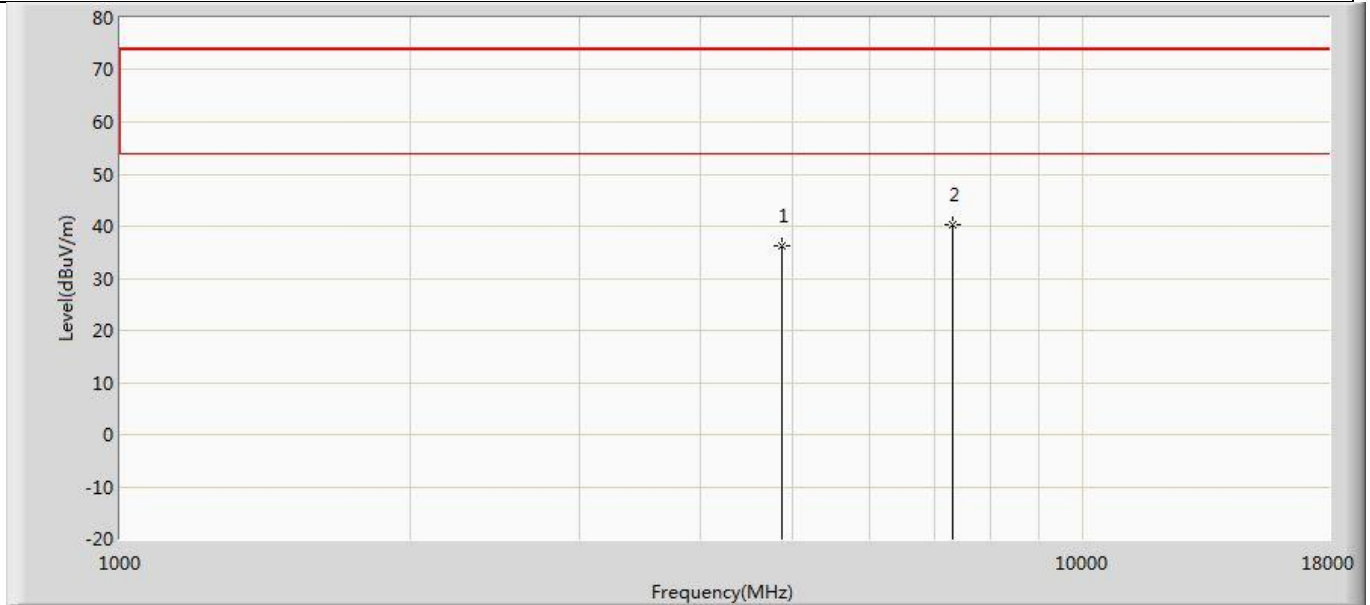
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4824.000       | 37.167                | 43.063              | -36.833        | 74.000        | -5.896     | PK   |
| 2  | *    | 7236.000       | 40.432                | 43.389              | -33.568        | 74.000        | -2.957     | PK   |

|                                               |                          |
|-----------------------------------------------|--------------------------|
| Profile: 20B0117R                             | Page No.: 32             |
| Engineer: Neil                                |                          |
| Site: AC5                                     | Time: 2021/01/19 - 19:51 |
| Limit: FCC_Part15.209_RE(3m)                  | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)            | Polarity: Vertical       |
| EUT: AP510CX                                  | Power: PoE -48V          |
| Note: Mode 2 : Transmit at 2412MHz by 802.11g |                          |



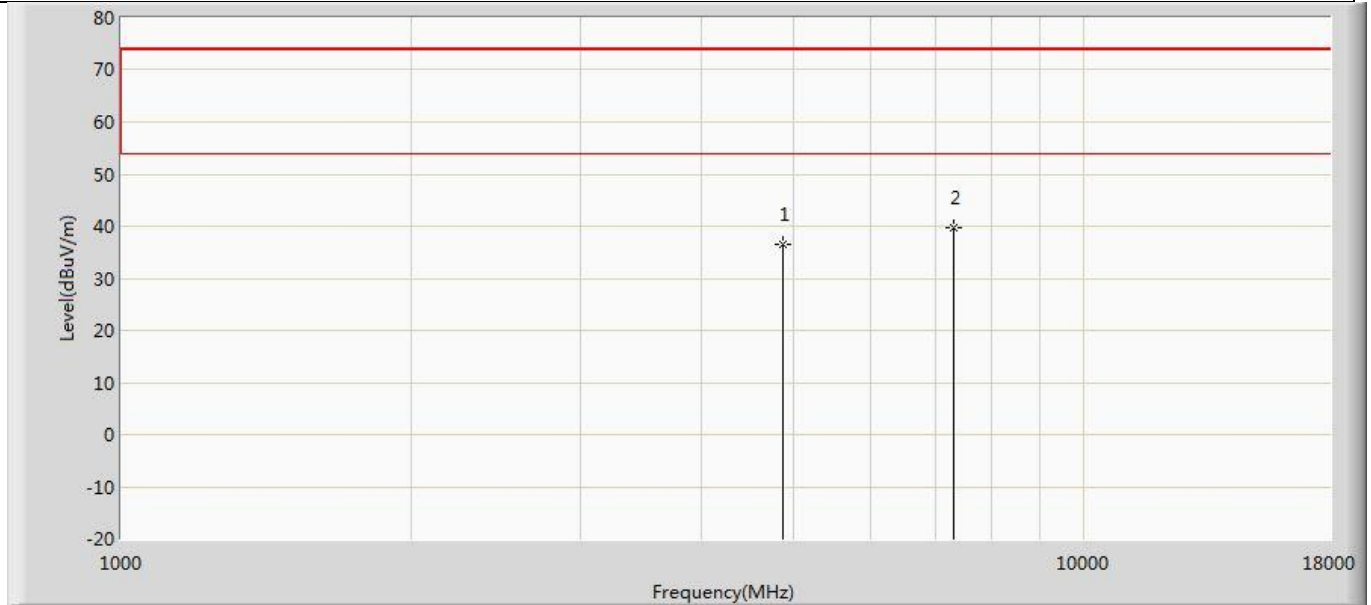
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4824.000       | 36.182                | 42.078              | -37.818        | 74.000        | -5.896     | PK   |
| 2  | *    | 7236.000       | 37.637                | 40.594              | -36.363        | 74.000        | -2.957     | PK   |

|                                               |                          |
|-----------------------------------------------|--------------------------|
| Profile: 20B0117R                             | Page No.: 33             |
| Engineer: Neil                                |                          |
| Site: AC5                                     | Time: 2021/01/19 - 19:51 |
| Limit: FCC_Part15.209_RE(3m)                  | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)            | Polarity: Horizontal     |
| EUT: AP510CX                                  | Power: PoE -48V          |
| Note: Mode 2 : Transmit at 2437MHz by 802.11g |                          |



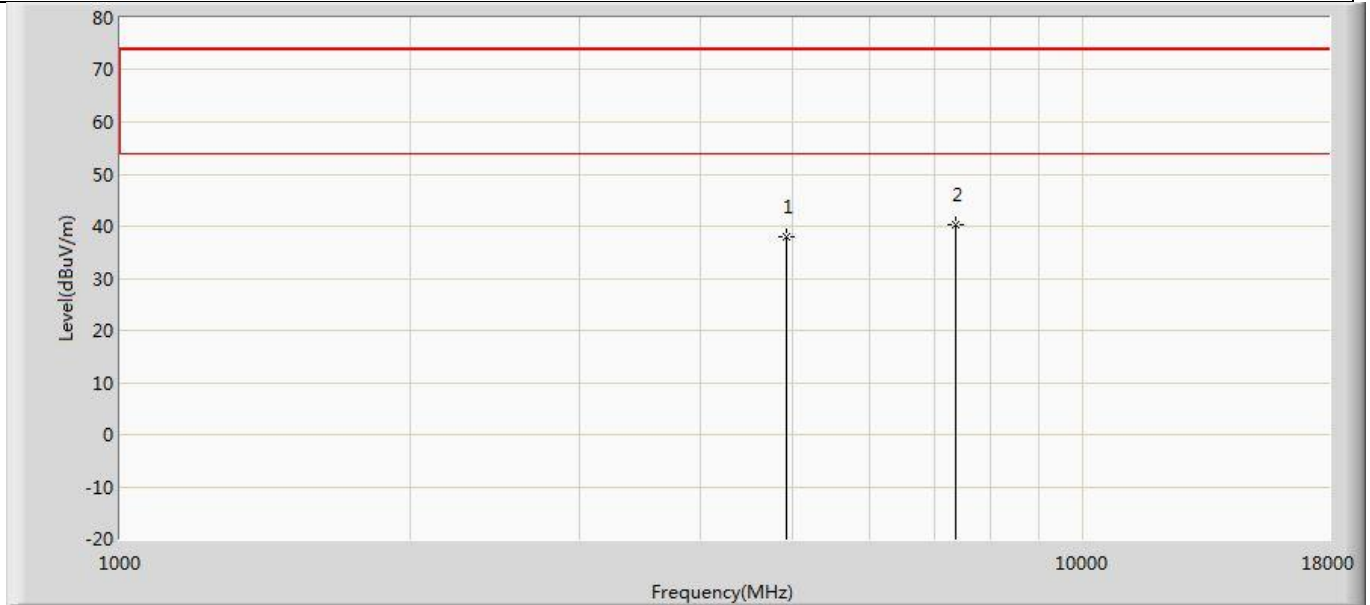
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4874.000       | 36.168                | 42.047              | -37.832        | 74.000        | -5.879     | PK   |
| 2  | *    | 7311.000       | 40.347                | 43.400              | -33.653        | 74.000        | -3.054     | PK   |

|                                               |                          |
|-----------------------------------------------|--------------------------|
| Profile: 20B0117R                             | Page No.: 34             |
| Engineer: Neil                                |                          |
| Site: AC5                                     | Time: 2021/01/19 - 19:51 |
| Limit: FCC_Part15.209_RE(3m)                  | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)            | Polarity: Vertical       |
| EUT: AP510CX                                  | Power: PoE -48V          |
| Note: Mode 2 : Transmit at 2437MHz by 802.11g |                          |



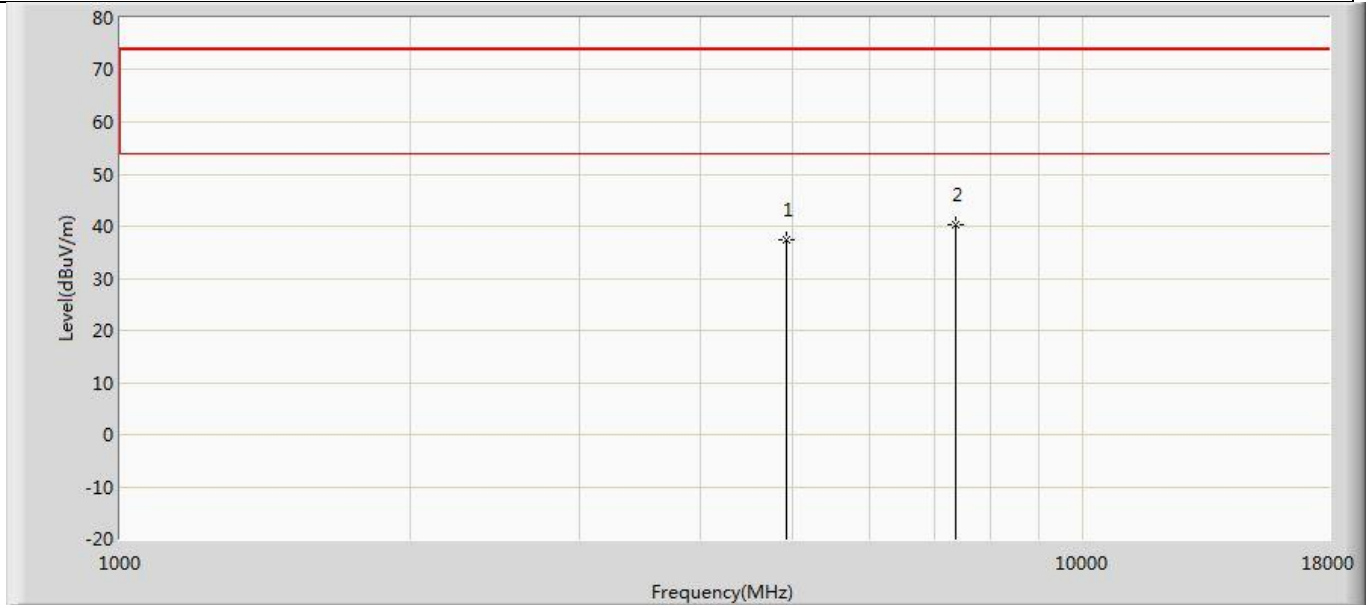
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4874.000       | 36.642                | 42.521              | -37.358        | 74.000        | -5.879     | PK   |
| 2  | *    | 7311.000       | 39.618                | 42.671              | -34.382        | 74.000        | -3.054     | PK   |

|                                               |                          |
|-----------------------------------------------|--------------------------|
| Profile: 20B0117R                             | Page No.: 35             |
| Engineer: Neil                                |                          |
| Site: AC5                                     | Time: 2021/01/19 - 19:51 |
| Limit: FCC_Part15.209_RE(3m)                  | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)            | Polarity: Horizontal     |
| EUT: AP510CX                                  | Power: PoE -48V          |
| Note: Mode 2 : Transmit at 2462MHz by 802.11g |                          |



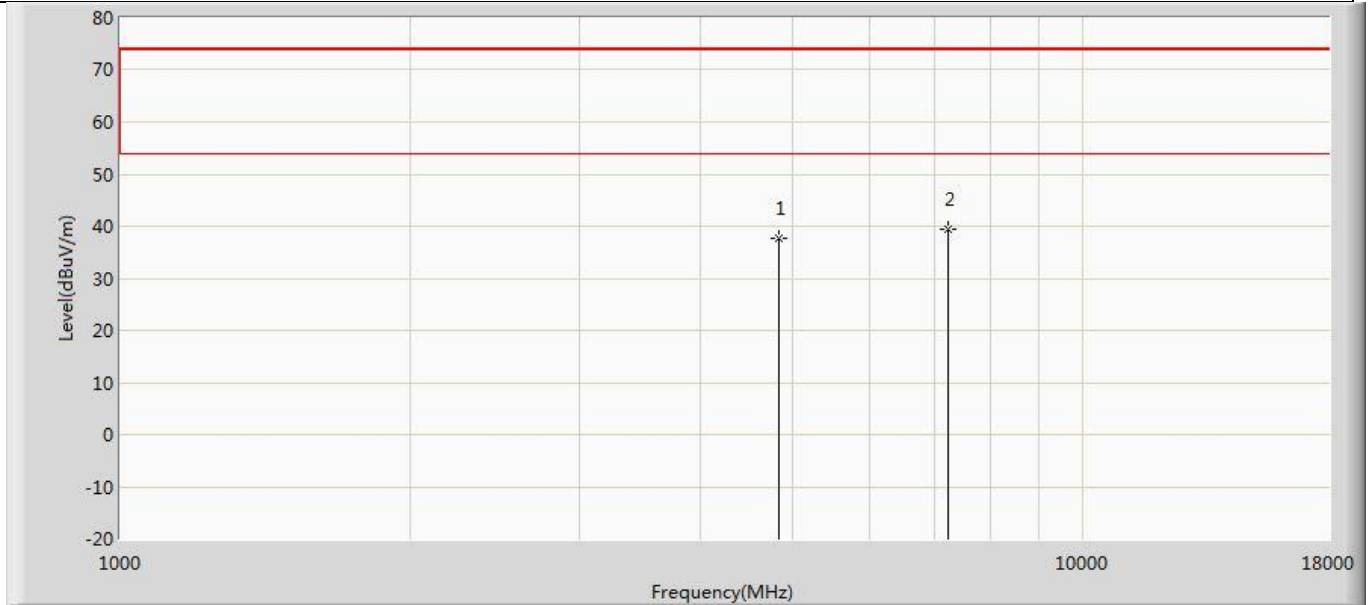
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4924.000       | 37.923                | 43.850              | -36.077        | 74.000        | -5.927     | PK   |
| 2  | *    | 7386.000       | 40.234                | 43.269              | -33.766        | 74.000        | -3.035     | PK   |

|                                               |                          |
|-----------------------------------------------|--------------------------|
| Profile: 20B0117R                             | Page No.: 36             |
| Engineer: Neil                                |                          |
| Site: AC5                                     | Time: 2021/01/19 - 19:51 |
| Limit: FCC_Part15.209_RE(3m)                  | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)            | Polarity: Vertical       |
| EUT: AP510CX                                  | Power: PoE -48V          |
| Note: Mode 2 : Transmit at 2462MHz by 802.11g |                          |



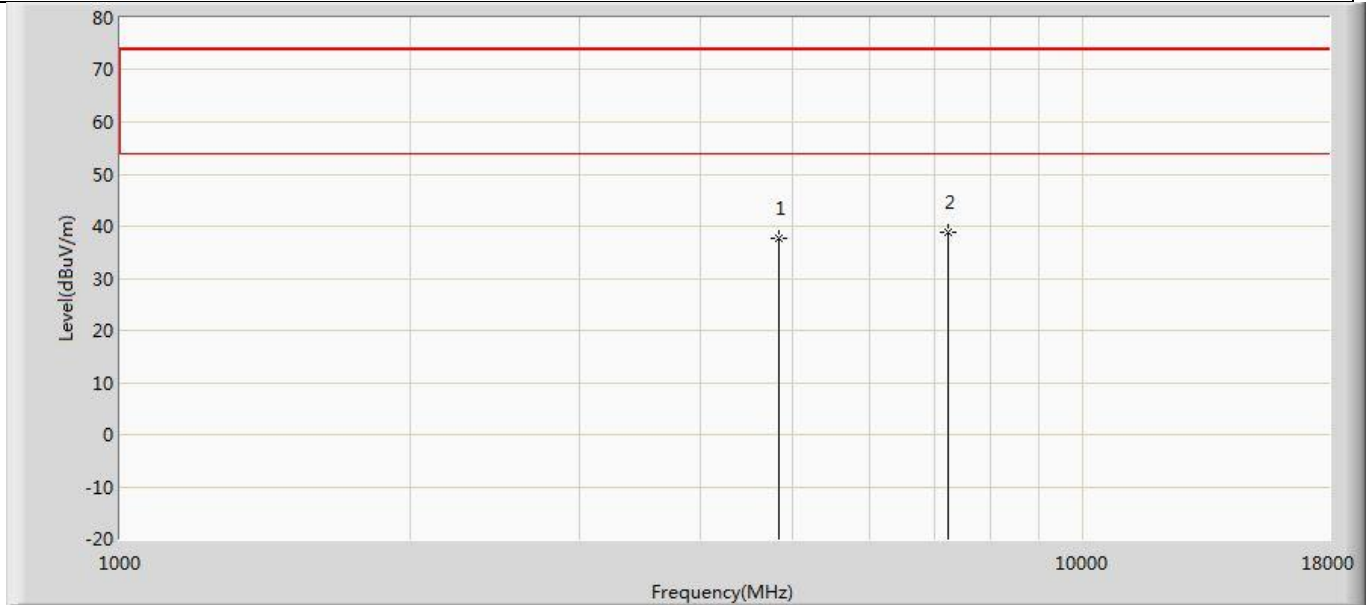
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4924.000       | 37.392                | 43.319              | -36.608        | 74.000        | -5.927     | PK   |
| 2  | *    | 7386.000       | 40.164                | 43.199              | -33.836        | 74.000        | -3.035     | PK   |

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|------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                    | Page No.: 37             |
| Engineer: Neil                                       |                          |
| Site: AC5                                            | Time: 2021/01/19 - 19:52 |
| Limit: FCC_Part15.209_RE(3m)                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                   | Polarity: Horizontal     |
| EUT: AP510CX                                         | Power: PoE -48V          |
| Note: Mode 3 : Transmit at 2412MHz by 802.11n(20MHz) |                          |



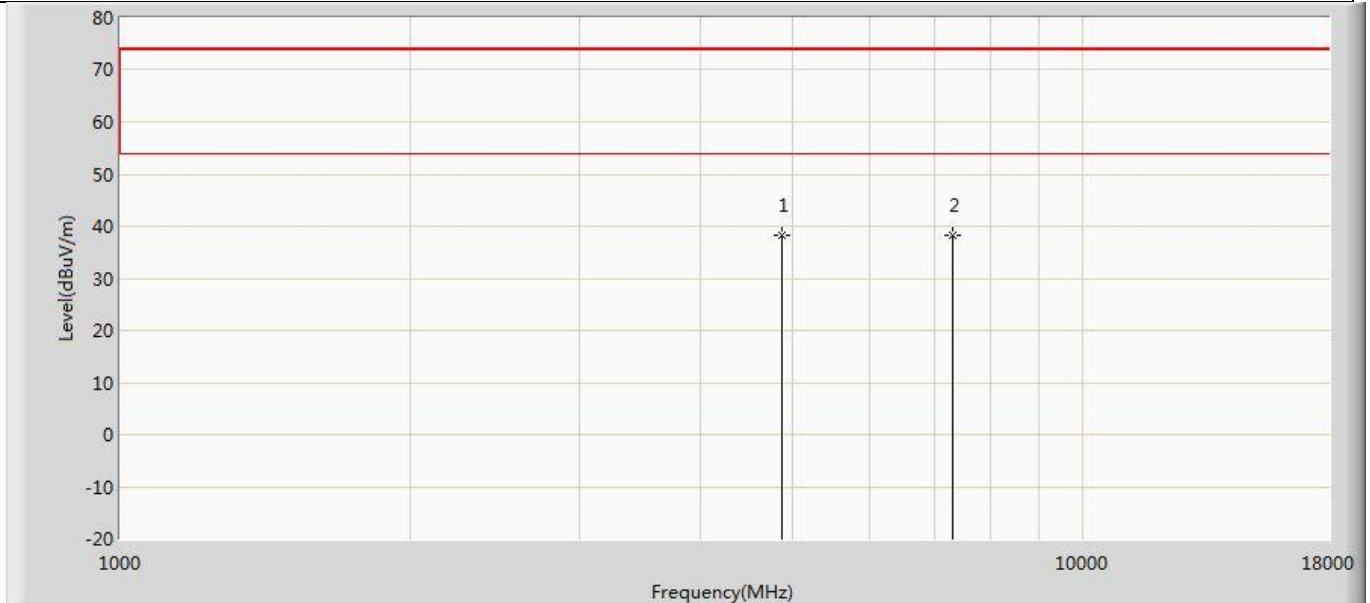
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4824.000       | 37.626                | 43.522              | -36.374        | 74.000        | -5.896     | PK   |
| 2  | *    | 7236.000       | 39.529                | 42.486              | -34.471        | 74.000        | -2.957     | PK   |

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|------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                    | Page No.: 38             |
| Engineer: Neil                                       |                          |
| Site: AC5                                            | Time: 2021/01/19 - 19:52 |
| Limit: FCC_Part15.209_RE(3m)                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                   | Polarity: Vertical       |
| EUT: AP510CX                                         | Power: PoE -48V          |
| Note: Mode 3 : Transmit at 2412MHz by 802.11n(20MHz) |                          |



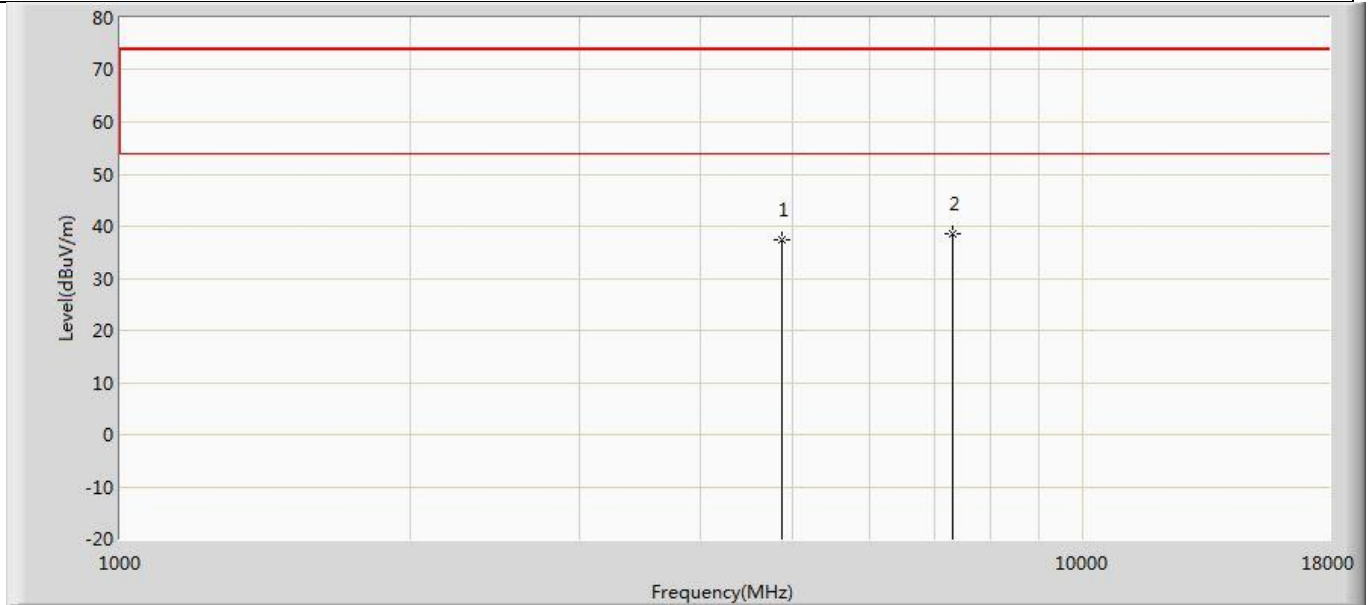
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4824.000       | 37.634                | 43.530              | -36.366        | 74.000        | -5.896     | PK   |
| 2  | *    | 7236.000       | 38.762                | 41.719              | -35.238        | 74.000        | -2.957     | PK   |

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|------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                    | Page No.: 39             |
| Engineer: Neil                                       |                          |
| Site: AC5                                            | Time: 2021/01/19 - 19:52 |
| Limit: FCC_Part15.209_RE(3m)                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                   | Polarity: Horizontal     |
| EUT: AP510CX                                         | Power: PoE -48V          |
| Note: Mode 3 : Transmit at 2437MHz by 802.11n(20MHz) |                          |



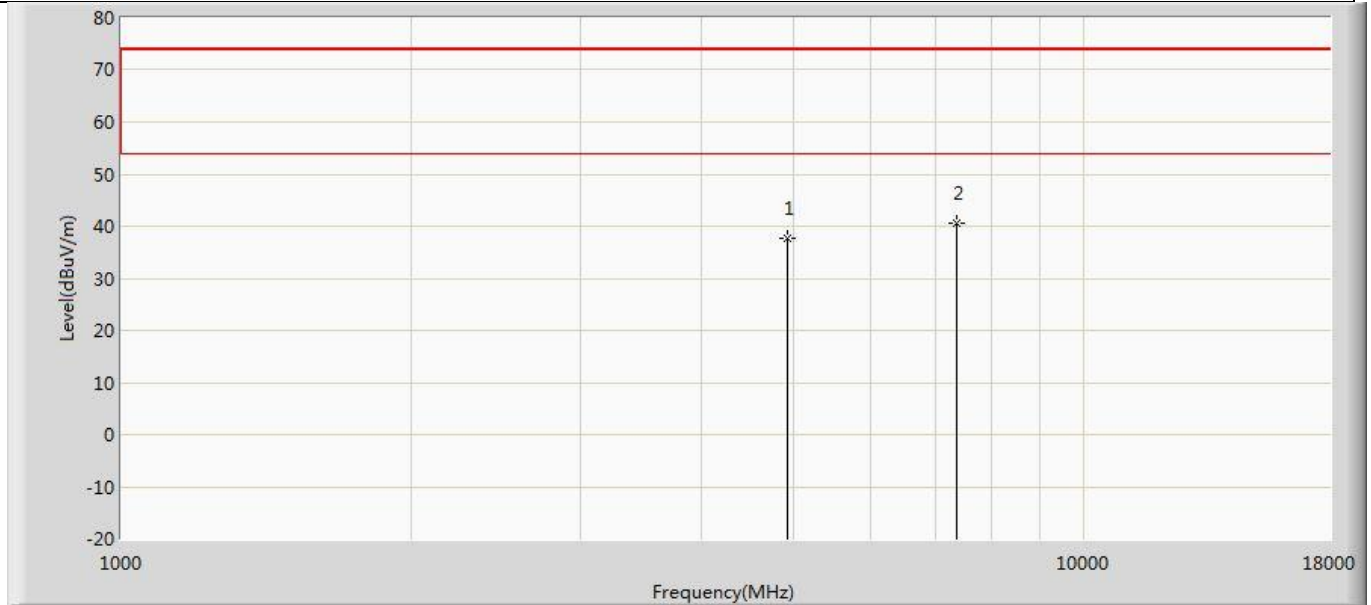
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4874.000       | 38.164                | 44.043              | -35.836        | 74.000        | -5.879     | PK   |
| 2  | *    | 7311.000       | 38.392                | 41.445              | -35.608        | 74.000        | -3.054     | PK   |

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|------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                    | Page No.: 40             |
| Engineer: Neil                                       |                          |
| Site: AC5                                            | Time: 2021/01/19 - 19:52 |
| Limit: FCC_Part15.209_RE(3m)                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                   | Polarity: Vertical       |
| EUT: AP510CX                                         | Power: PoE -48V          |
| Note: Mode 3 : Transmit at 2437MHz by 802.11n(20MHz) |                          |



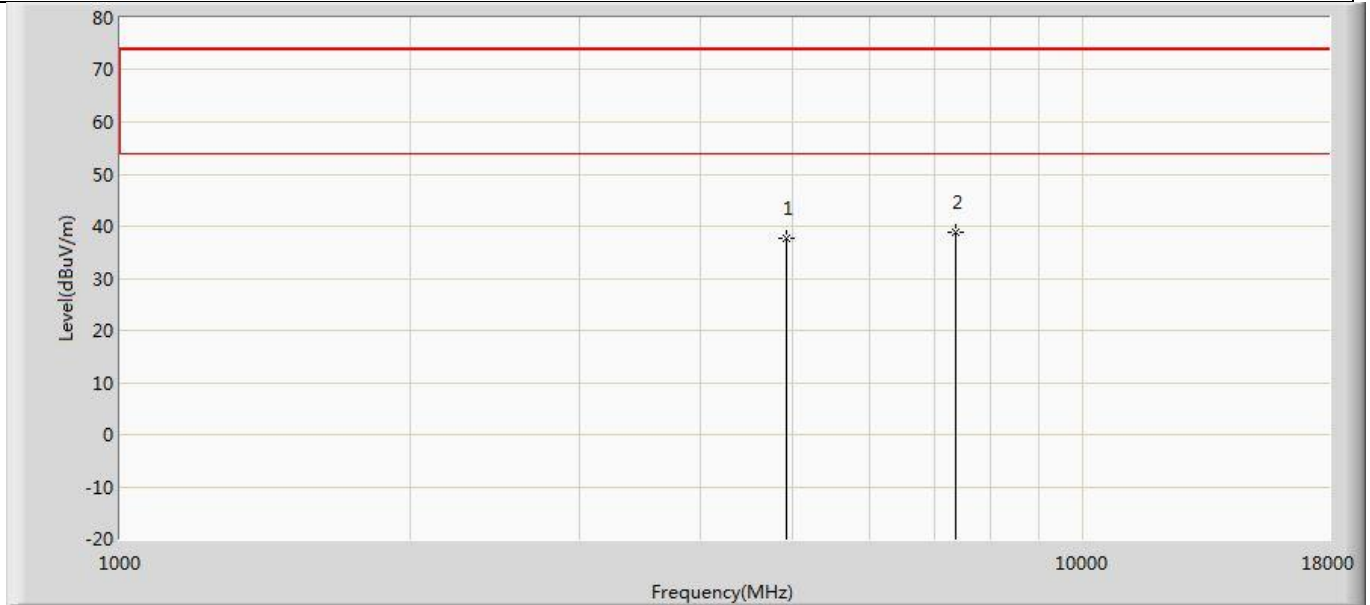
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4874.000       | 37.297                | 43.176              | -36.703        | 74.000        | -5.879     | PK   |
| 2  | *    | 7311.000       | 38.562                | 41.615              | -35.438        | 74.000        | -3.054     | PK   |

|                                                      |                          |
|------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                    | Page No.: 41             |
| Engineer: Neil                                       |                          |
| Site: AC5                                            | Time: 2021/01/19 - 19:52 |
| Limit: FCC_Part15.209_RE(3m)                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                   | Polarity: Horizontal     |
| EUT: AP510CX                                         | Power: PoE -48V          |
| Note: Mode 3 : Transmit at 2462MHz by 802.11n(20MHz) |                          |



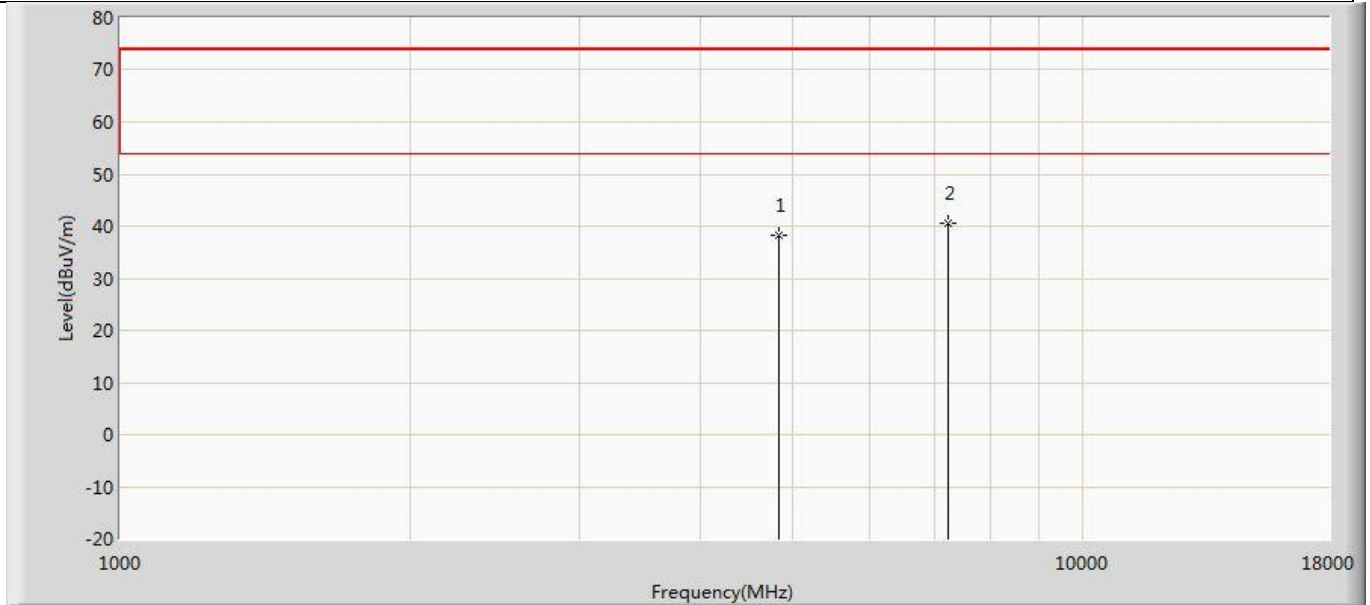
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4924.000       | 37.638                | 43.565              | -36.362        | 74.000        | -5.927     | PK   |
| 2  | *    | 7386.000       | 40.624                | 43.659              | -33.376        | 74.000        | -3.035     | PK   |

|                                                      |                          |
|------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                    | Page No.: 42             |
| Engineer: Neil                                       |                          |
| Site: AC5                                            | Time: 2021/01/19 - 19:52 |
| Limit: FCC_Part15.209_RE(3m)                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                   | Polarity: Vertical       |
| EUT: AP510CX                                         | Power: PoE -48V          |
| Note: Mode 3 : Transmit at 2462MHz by 802.11n(20MHz) |                          |



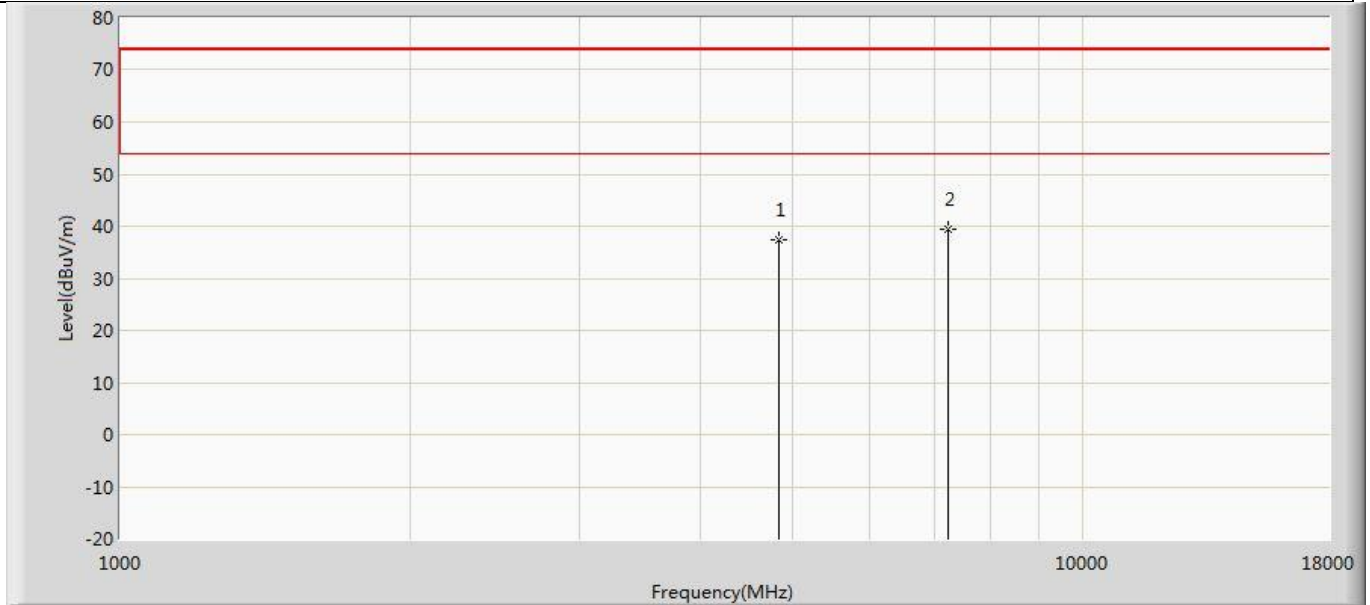
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4924.000       | 37.625                | 43.552              | -36.375        | 74.000        | -5.927     | PK   |
| 2  | *    | 7386.000       | 38.839                | 41.874              | -35.161        | 74.000        | -3.035     | PK   |

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|-------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                     | Page No.: 43             |
| Engineer: Neil                                        |                          |
| Site: AC5                                             | Time: 2021/01/19 - 19:52 |
| Limit: FCC_Part15.209_RE(3m)                          | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                    | Polarity: Horizontal     |
| EUT: AP510CX                                          | Power: PoE -48V          |
| Note: Mode 4 : Transmit at 2412MHz by 802.11ax(20MHz) |                          |



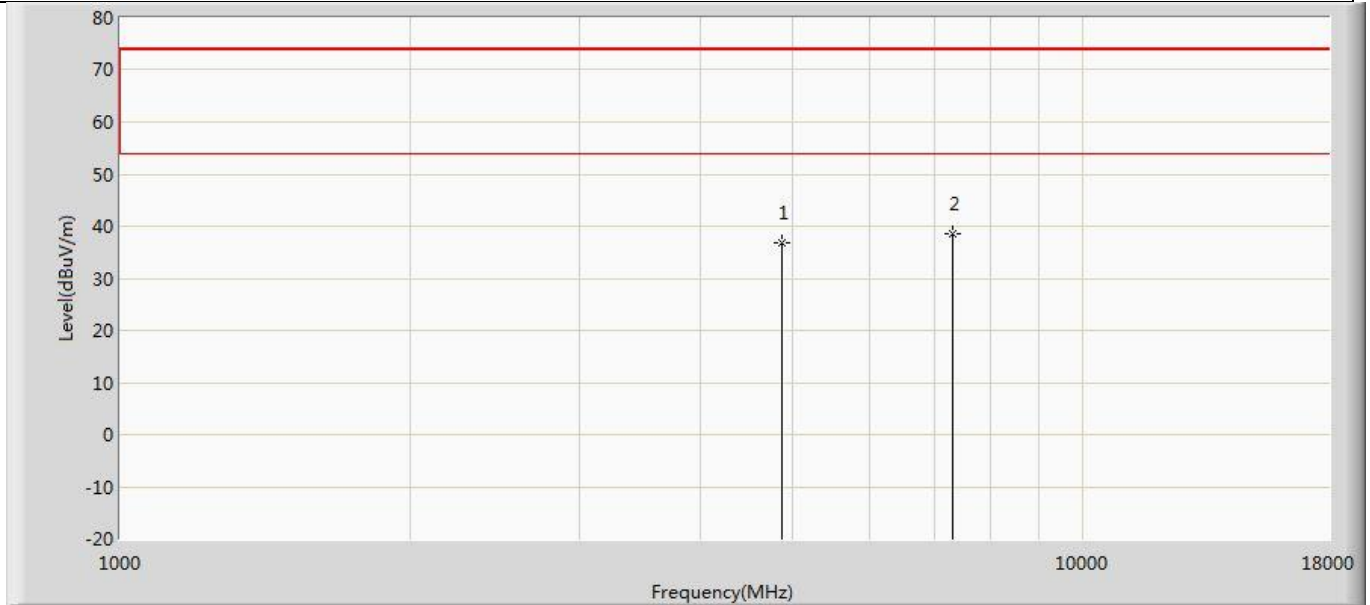
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4824.000       | 38.376                | 44.272              | -35.624        | 74.000        | -5.896     | PK   |
| 2  | *    | 7236.000       | 40.562                | 43.519              | -33.438        | 74.000        | -2.957     | PK   |

|                                                       |                          |
|-------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                     | Page No.: 44             |
| Engineer: Neil                                        |                          |
| Site: AC5                                             | Time: 2021/01/19 - 19:52 |
| Limit: FCC_Part15.209_RE(3m)                          | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                    | Polarity: Vertical       |
| EUT: AP510CX                                          | Power: PoE -48V          |
| Note: Mode 4 : Transmit at 2412MHz by 802.11ax(20MHz) |                          |



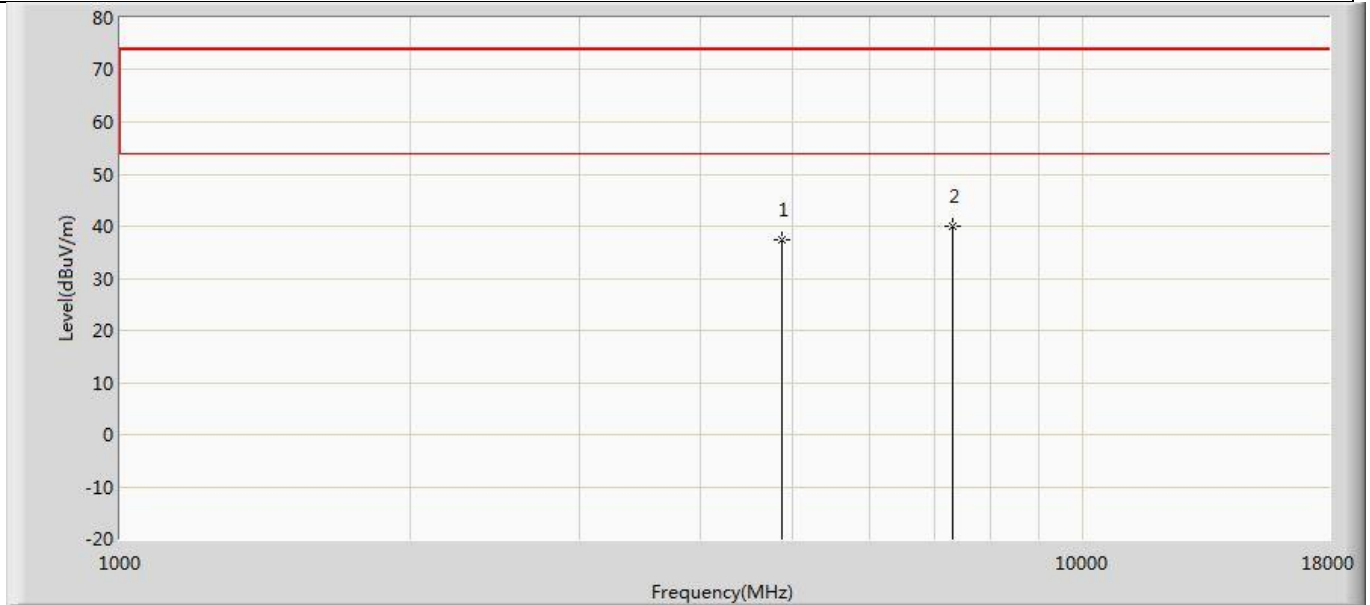
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4824.000       | 37.346                | 43.242              | -36.654        | 74.000        | -5.896     | PK   |
| 2  | *    | 7236.000       | 39.377                | 42.334              | -34.623        | 74.000        | -2.957     | PK   |

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|-------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                     | Page No.: 45             |
| Engineer: Neil                                        |                          |
| Site: AC5                                             | Time: 2021/01/19 - 19:52 |
| Limit: FCC_Part15.209_RE(3m)                          | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                    | Polarity: Horizontal     |
| EUT: AP510CX                                          | Power: PoE -48V          |
| Note: Mode 4 : Transmit at 2437MHz by 802.11ax(20MHz) |                          |



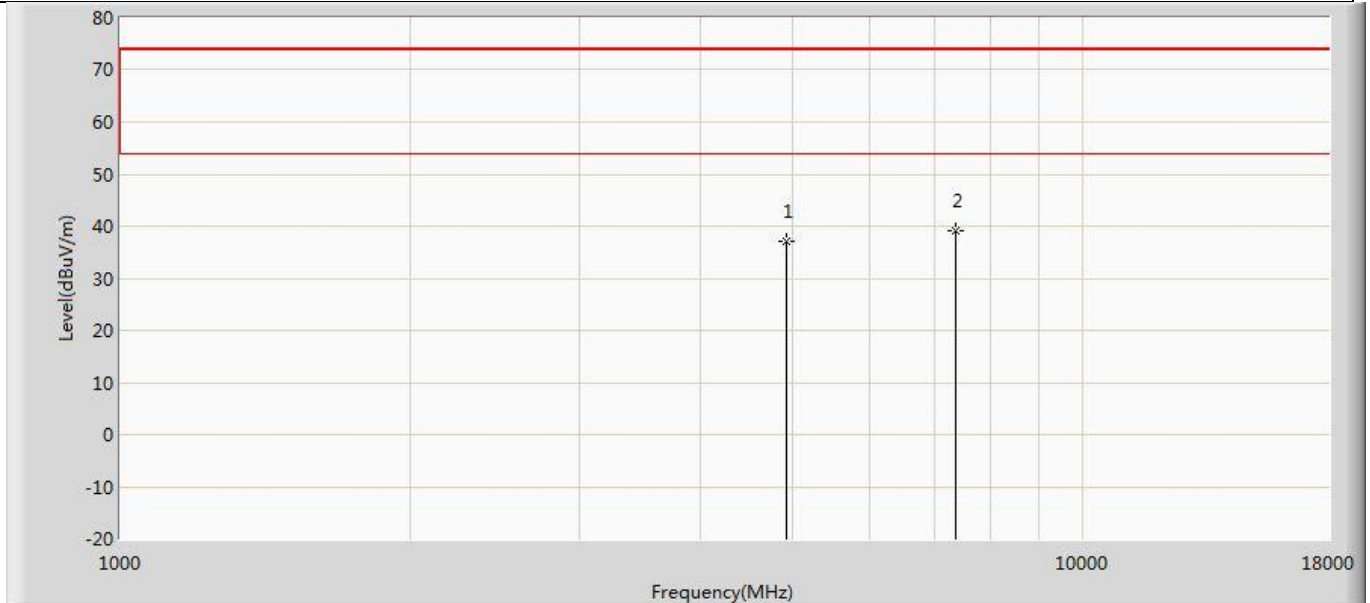
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4874.000       | 36.834                | 42.713              | -37.166        | 74.000        | -5.879     | PK   |
| 2  | *    | 7311.000       | 38.562                | 41.615              | -35.438        | 74.000        | -3.054     | PK   |

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|-------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                     | Page No.: 46             |
| Engineer: Neil                                        |                          |
| Site: AC5                                             | Time: 2021/01/19 - 19:52 |
| Limit: FCC_Part15.209_RE(3m)                          | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                    | Polarity: Vertical       |
| EUT: AP510CX                                          | Power: PoE -48V          |
| Note: Mode 4 : Transmit at 2437MHz by 802.11ax(20MHz) |                          |



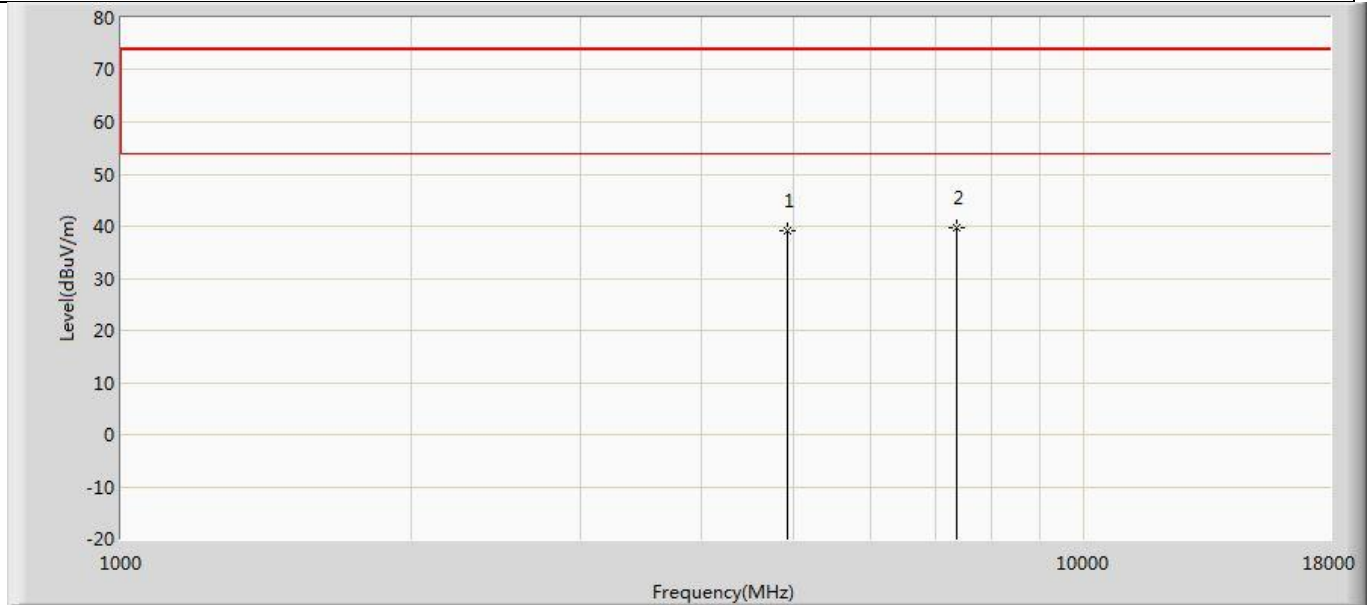
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4874.000       | 37.361                | 43.240              | -36.639        | 74.000        | -5.879     | PK   |
| 2  | *    | 7311.000       | 39.963                | 43.016              | -34.037        | 74.000        | -3.054     | PK   |

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|-------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                     | Page No.: 47             |
| Engineer: Neil                                        |                          |
| Site: AC5                                             | Time: 2021/01/19 - 19:52 |
| Limit: FCC_Part15.209_RE(3m)                          | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                    | Polarity: Horizontal     |
| EUT: AP510CX                                          | Power: PoE -48V          |
| Note: Mode 4 : Transmit at 2462MHz by 802.11ax(20MHz) |                          |



| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4924.000       | 37.167                | 43.094              | -36.833        | 74.000        | -5.927     | PK   |
| 2  | *    | 7386.000       | 39.261                | 42.296              | -34.739        | 74.000        | -3.035     | PK   |

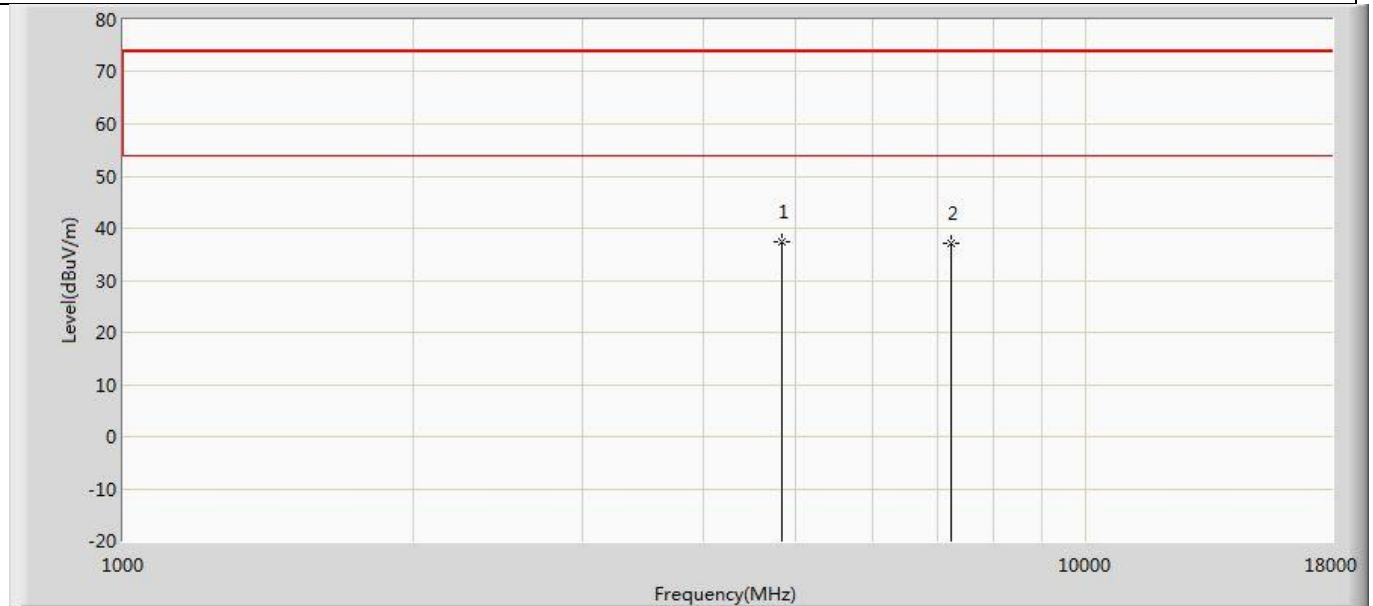
|                                                       |                          |
|-------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                     | Page No.: 48             |
| Engineer: Neil                                        |                          |
| Site: AC5                                             | Time: 2021/01/19 - 19:53 |
| Limit: FCC_Part15.209_RE(3m)                          | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                    | Polarity: Vertical       |
| EUT: AP510CX                                          | Power: PoE -48V          |
| Note: Mode 4 : Transmit at 2462MHz by 802.11ax(20MHz) |                          |



| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4924.000       | 39.166                | 45.093              | -34.834        | 74.000        | -5.927     | PK   |
| 2  | *    | 7386.000       | 39.576                | 42.611              | -34.424        | 74.000        | -3.035     | PK   |

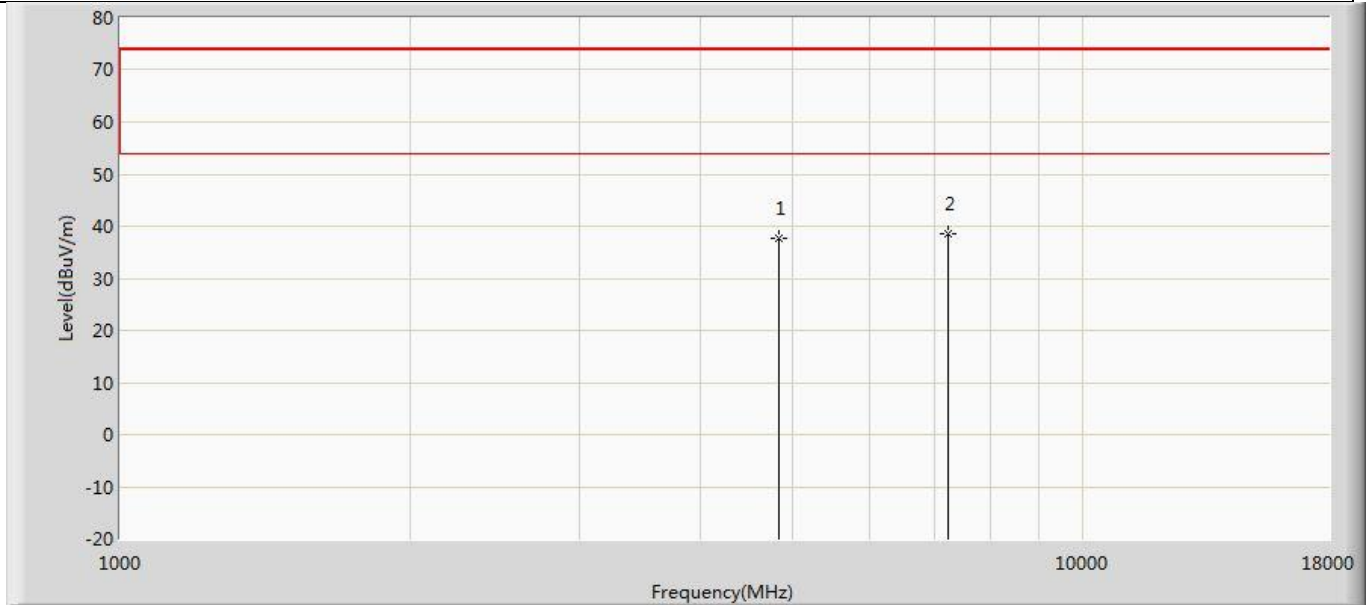
## Sector Antenna – MIMO (Beamforming 2TX)

|                                                      |                          |
|------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                    | Page No.: 13             |
| Engineer: Neil                                       |                          |
| Site: AC5                                            | Time: 2021/01/19 - 19:27 |
| Limit: FCC_Part15.209_RE(3m)                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                   | Polarity: Horizontal     |
| EUT: AP510CX                                         | Power: PoE -48V          |
| Note: Mode 1 : Transmit at 2412MHz by 802.11n(20MHz) |                          |



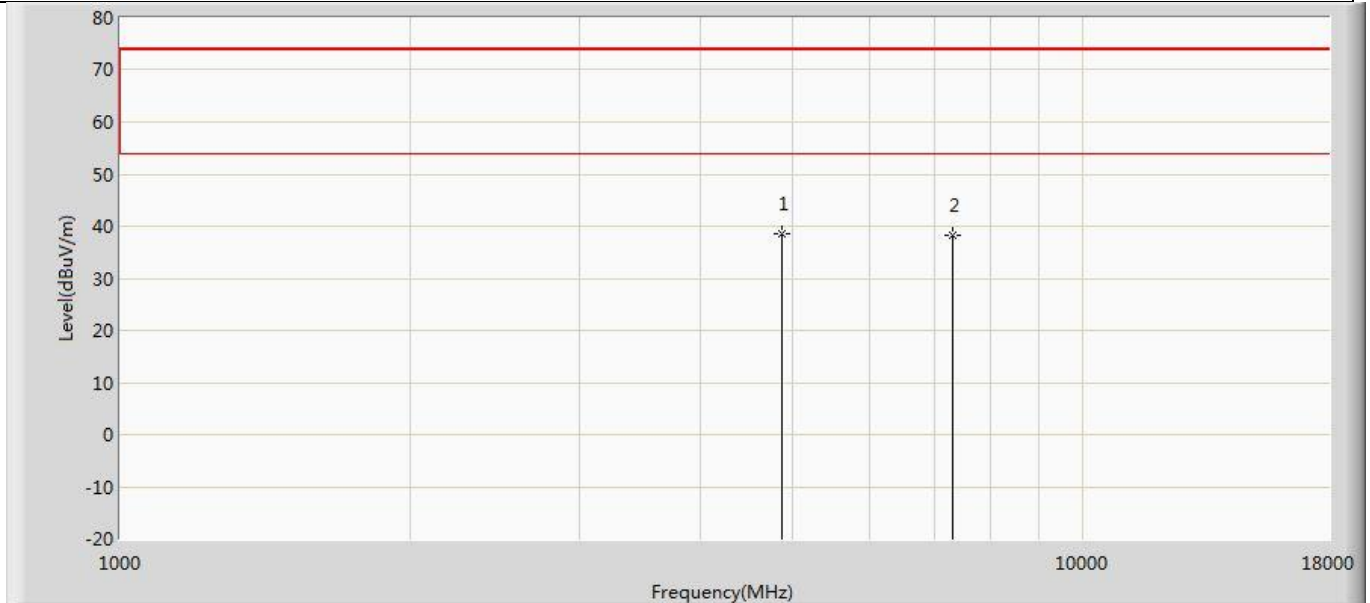
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  | *    | 4824.000       | 37.488                | 43.384              | -36.512        | 74.000        | -5.896     | PK   |
| 2  |      | 7236.000       | 37.148                | 40.105              | -36.852        | 74.000        | -2.957     | PK   |

|                                                      |                          |
|------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                    | Page No.: 14             |
| Engineer: Neil                                       |                          |
| Site: AC5                                            | Time: 2021/01/19 - 19:27 |
| Limit: FCC_Part15.209_RE(3m)                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                   | Polarity: Vertical       |
| EUT: AP510CX                                         | Power: PoE -48V          |
| Note: Mode 1 : Transmit at 2412MHz by 802.11n(20MHz) |                          |



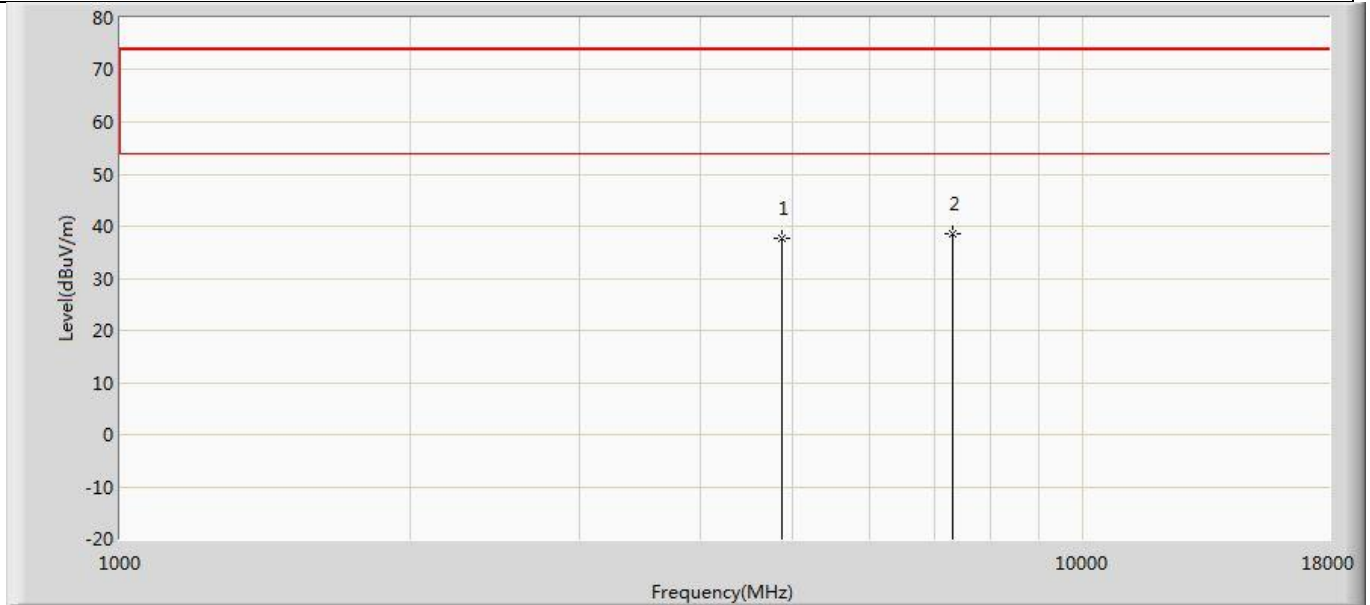
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4824.000       | 37.645                | 43.541              | -36.355        | 74.000        | -5.896     | PK   |
| 2  | *    | 7236.000       | 38.485                | 41.442              | -35.515        | 74.000        | -2.957     | PK   |

|                                                      |                          |
|------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                    | Page No.: 15             |
| Engineer: Neil                                       |                          |
| Site: AC5                                            | Time: 2021/01/19 - 19:27 |
| Limit: FCC_Part15.209_RE(3m)                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                   | Polarity: Horizontal     |
| EUT: AP510CX                                         | Power: PoE -48V          |
| Note: Mode 1 : Transmit at 2437MHz by 802.11n(20MHz) |                          |



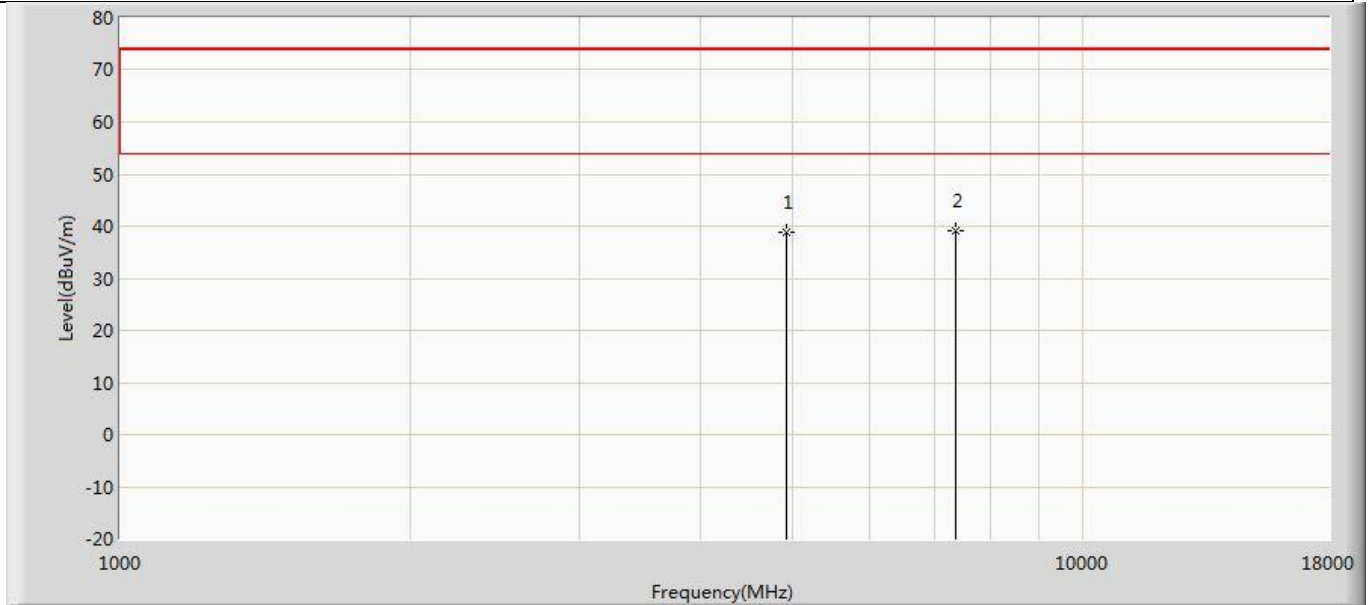
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  | *    | 4874.000       | 38.648                | 44.527              | -35.352        | 74.000        | -5.879     | PK   |
| 2  |      | 7311.000       | 38.347                | 41.400              | -35.653        | 74.000        | -3.054     | PK   |

|                                                      |                          |
|------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                    | Page No.: 16             |
| Engineer: Neil                                       |                          |
| Site: AC5                                            | Time: 2021/01/19 - 19:27 |
| Limit: FCC_Part15.209_RE(3m)                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                   | Polarity: Vertical       |
| EUT: AP510CX                                         | Power: PoE -48V          |
| Note: Mode 1 : Transmit at 2437MHz by 802.11n(20MHz) |                          |



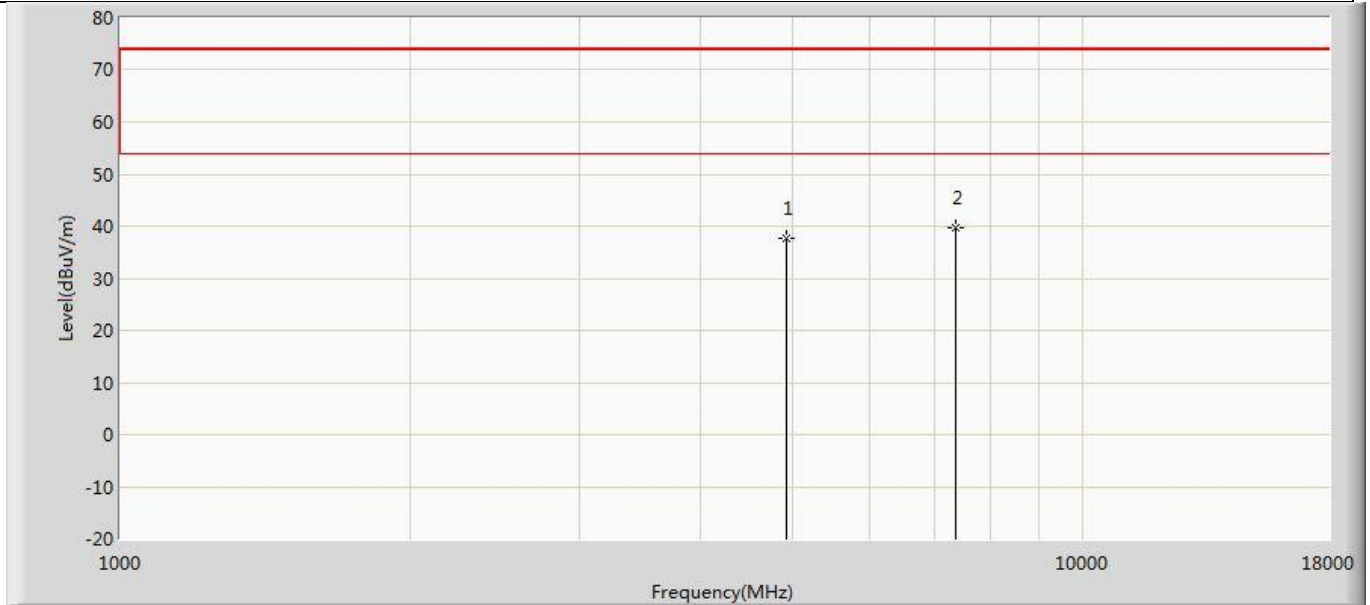
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4874.000       | 37.615                | 43.494              | -36.385        | 74.000        | -5.879     | PK   |
| 2  | *    | 7311.000       | 38.649                | 41.702              | -35.351        | 74.000        | -3.054     | PK   |

|                                                      |                          |
|------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                    | Page No.: 17             |
| Engineer: Neil                                       |                          |
| Site: AC5                                            | Time: 2021/01/19 - 19:28 |
| Limit: FCC_Part15.209_RE(3m)                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                   | Polarity: Horizontal     |
| EUT: AP510CX                                         | Power: PoE -48V          |
| Note: Mode 1 : Transmit at 2462MHz by 802.11n(20MHz) |                          |



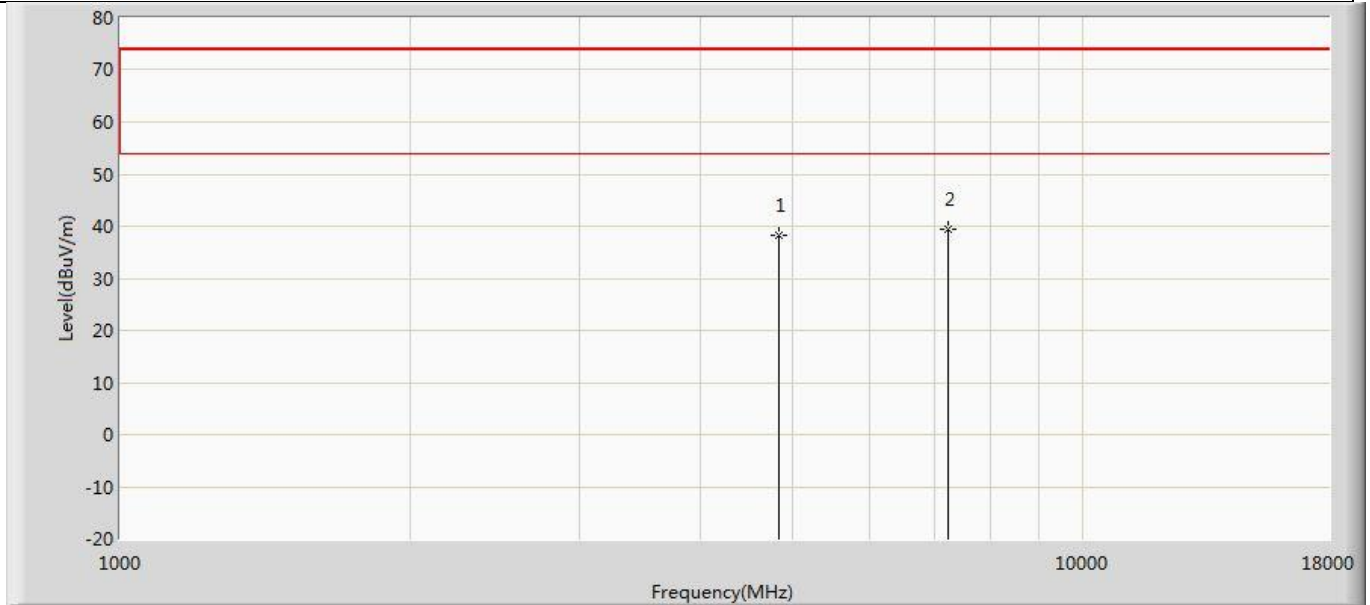
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4924.000       | 38.734                | 44.661              | -35.266        | 74.000        | -5.927     | PK   |
| 2  | *    | 7386.000       | 39.064                | 42.099              | -34.936        | 74.000        | -3.035     | PK   |

|                                                      |                          |
|------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                    | Page No.: 18             |
| Engineer: Neil                                       |                          |
| Site: AC5                                            | Time: 2021/01/19 - 19:28 |
| Limit: FCC_Part15.209_RE(3m)                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                   | Polarity: Vertical       |
| EUT: AP510CX                                         | Power: PoE -48V          |
| Note: Mode 1 : Transmit at 2462MHz by 802.11n(20MHz) |                          |



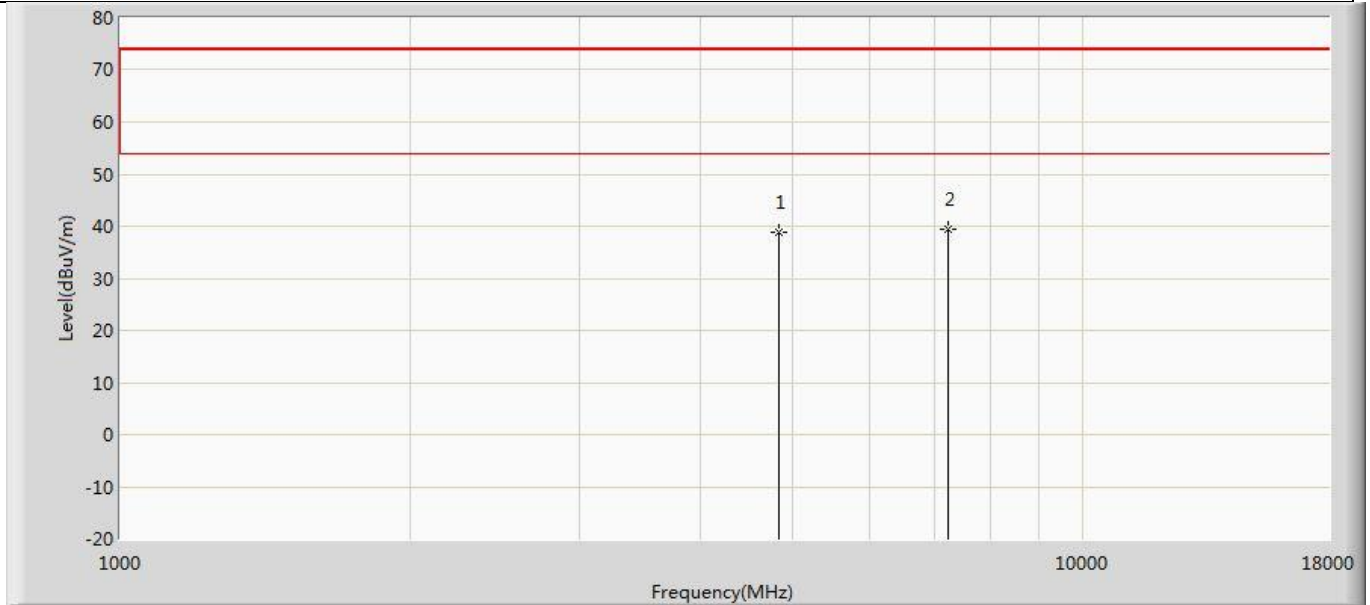
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4924.000       | 37.548                | 43.475              | -36.452        | 74.000        | -5.927     | PK   |
| 2  | *    | 7386.000       | 39.773                | 42.808              | -34.227        | 74.000        | -3.035     | PK   |

|                                                       |                          |
|-------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                     | Page No.: 19             |
| Engineer: Neil                                        |                          |
| Site: AC5                                             | Time: 2021/01/19 - 19:28 |
| Limit: FCC_Part15.209_RE(3m)                          | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                    | Polarity: Horizontal     |
| EUT: AP510CX                                          | Power: PoE -48V          |
| Note: Mode 2 : Transmit at 2412MHz by 802.11ax(20MHz) |                          |



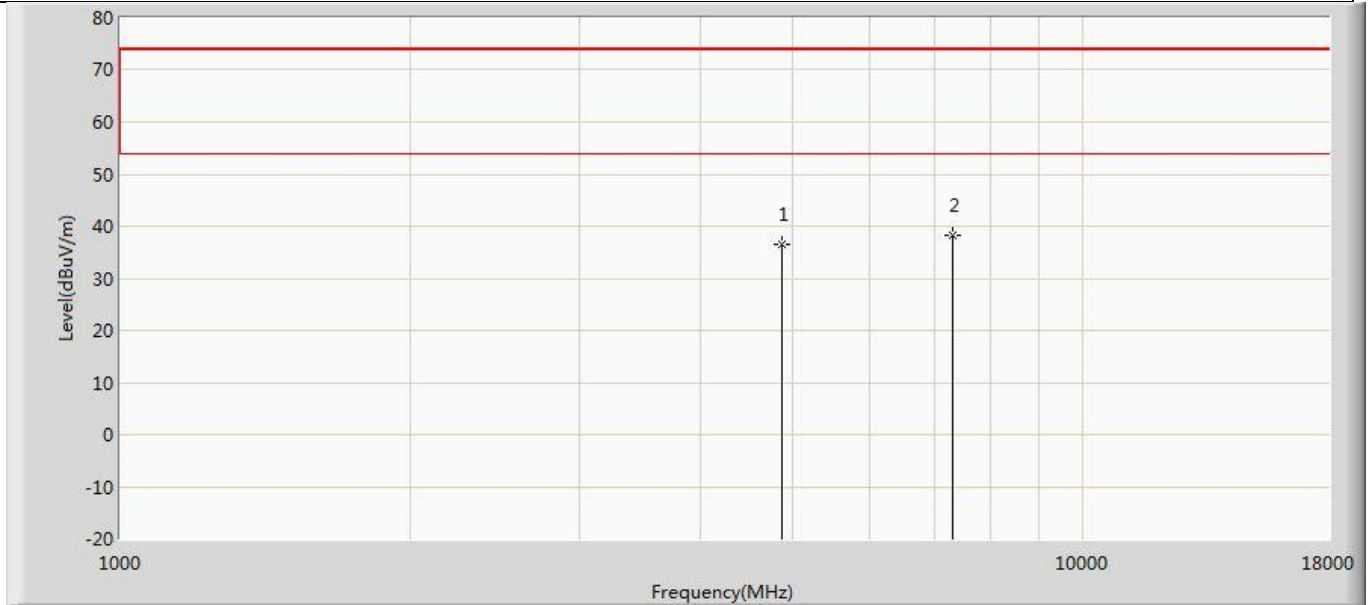
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4824.000       | 38.136                | 44.032              | -35.864        | 74.000        | -5.896     | PK   |
| 2  | *    | 7236.000       | 39.294                | 42.251              | -34.706        | 74.000        | -2.957     | PK   |

|                                                       |                          |
|-------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                     | Page No.: 20             |
| Engineer: Neil                                        |                          |
| Site: AC5                                             | Time: 2021/01/19 - 19:28 |
| Limit: FCC_Part15.209_RE(3m)                          | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                    | Polarity: Vertical       |
| EUT: AP510CX                                          | Power: PoE -48V          |
| Note: Mode 2 : Transmit at 2412MHz by 802.11ax(20MHz) |                          |



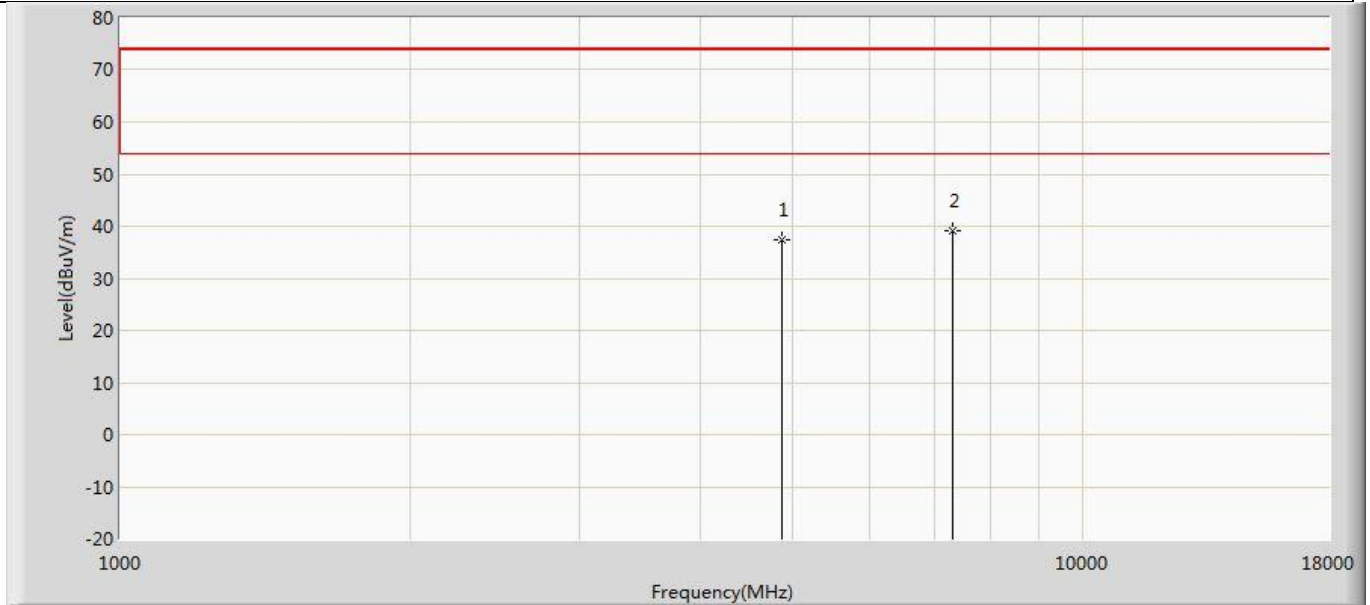
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4824.000       | 38.846                | 44.742              | -35.154        | 74.000        | -5.896     | PK   |
| 2  | *    | 7236.000       | 39.294                | 42.251              | -34.706        | 74.000        | -2.957     | PK   |

|                                                       |                          |
|-------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                     | Page No.: 21             |
| Engineer: Neil                                        |                          |
| Site: AC5                                             | Time: 2021/01/19 - 19:28 |
| Limit: FCC_Part15.209_RE(3m)                          | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                    | Polarity: Horizontal     |
| EUT: AP510CX                                          | Power: PoE -48V          |
| Note: Mode 2 : Transmit at 2437MHz by 802.11ax(20MHz) |                          |



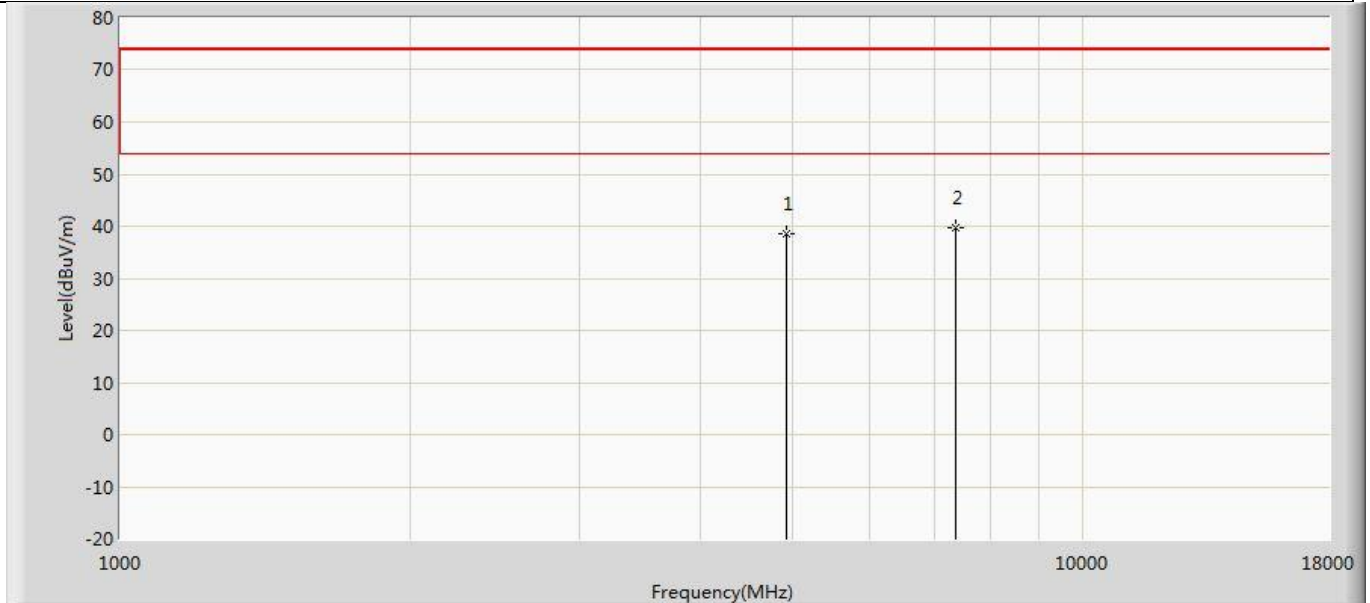
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4874.000       | 36.463                | 42.342              | -37.537        | 74.000        | -5.879     | PK   |
| 2  | *    | 7311.000       | 38.198                | 41.251              | -35.802        | 74.000        | -3.054     | PK   |

|                                                       |                          |
|-------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                     | Page No.: 22             |
| Engineer: Neil                                        |                          |
| Site: AC5                                             | Time: 2021/01/19 - 19:28 |
| Limit: FCC_Part15.209_RE(3m)                          | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                    | Polarity: Vertical       |
| EUT: AP510CX                                          | Power: PoE -48V          |
| Note: Mode 2 : Transmit at 2437MHz by 802.11ax(20MHz) |                          |



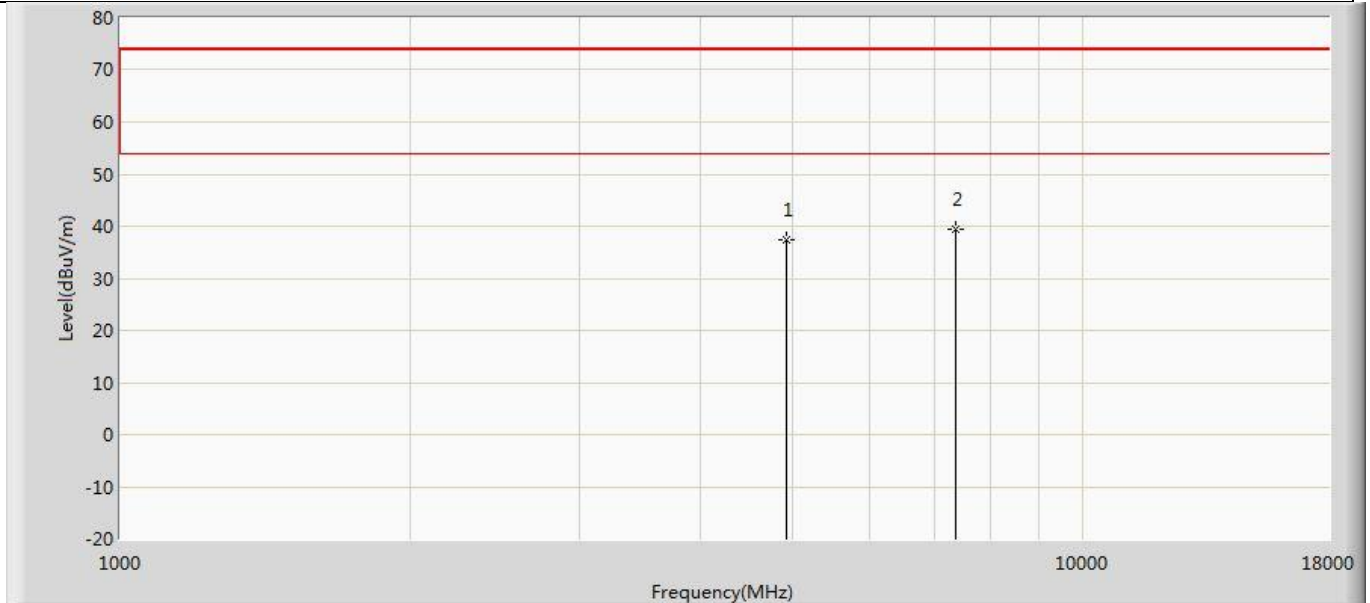
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4874.000       | 37.446                | 43.325              | -36.554        | 74.000        | -5.879     | PK   |
| 2  | *    | 7311.000       | 39.187                | 42.240              | -34.813        | 74.000        | -3.054     | PK   |

|                                                       |                          |
|-------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                     | Page No.: 23             |
| Engineer: Neil                                        |                          |
| Site: AC5                                             | Time: 2021/01/19 - 19:28 |
| Limit: FCC_Part15.209_RE(3m)                          | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                    | Polarity: Horizontal     |
| EUT: AP510CX                                          | Power: PoE -48V          |
| Note: Mode 2 : Transmit at 2462MHz by 802.11ax(20MHz) |                          |



| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4924.000       | 38.649                | 44.576              | -35.351        | 74.000        | -5.927     | PK   |
| 2  | *    | 7386.000       | 39.591                | 42.626              | -34.409        | 74.000        | -3.035     | PK   |

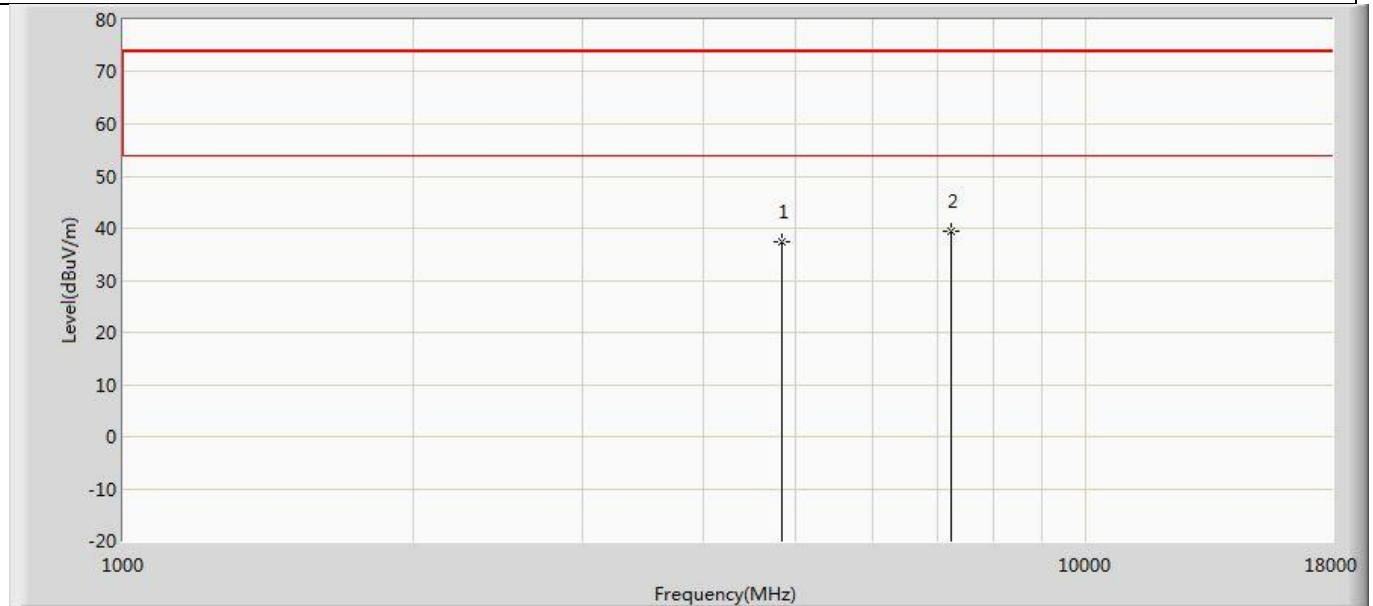
|                                                       |                          |
|-------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                     | Page No.: 24             |
| Engineer: Neil                                        |                          |
| Site: AC5                                             | Time: 2021/01/19 - 19:28 |
| Limit: FCC_Part15.209_RE(3m)                          | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                    | Polarity: Vertical       |
| EUT: AP510CX                                          | Power: PoE -48V          |
| Note: Mode 2 : Transmit at 2462MHz by 802.11ax(20MHz) |                          |



| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4924.000       | 37.346                | 43.273              | -36.654        | 74.000        | -5.927     | PK   |
| 2  | *    | 7386.000       | 39.423                | 42.458              | -34.577        | 74.000        | -3.035     | PK   |

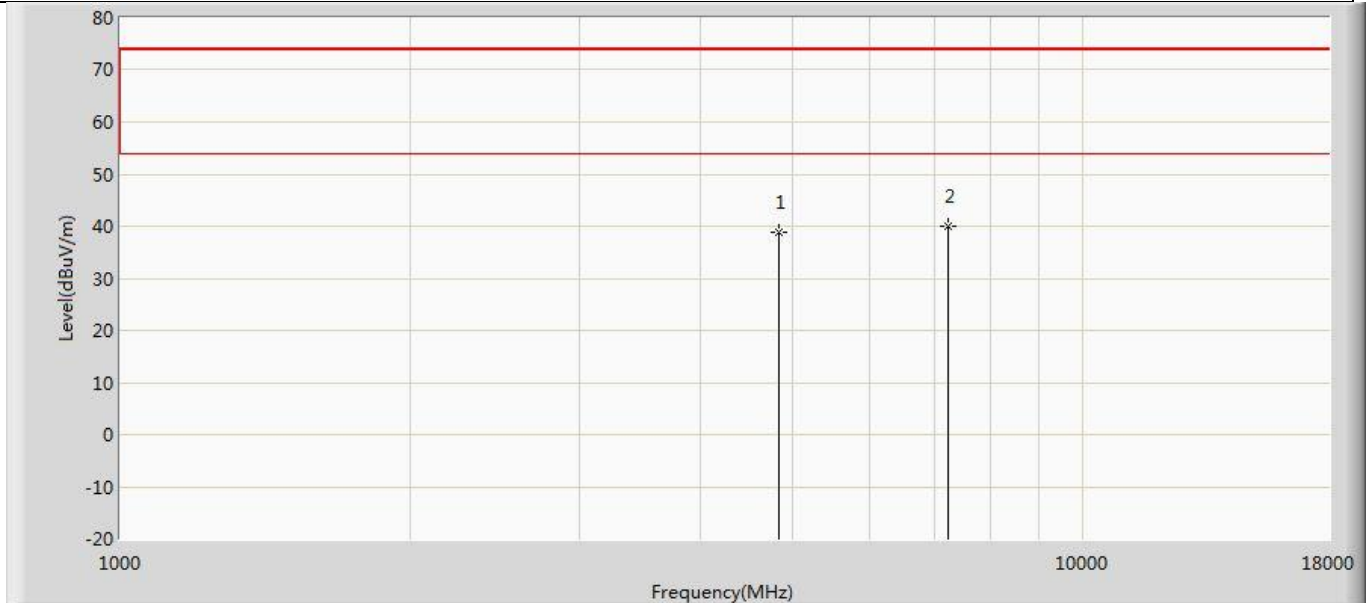
## Sector Antenna – MIMO (CDD 4TX)

|                                               |                          |
|-----------------------------------------------|--------------------------|
| Profile: 20B0117R                             | Page No.: 25             |
| Engineer: Neil                                |                          |
| Site: AC5                                     | Time: 2021/01/19 - 20:15 |
| Limit: FCC_Part15.209_RE(3m)                  | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)            | Polarity: Horizontal     |
| EUT: AP510CX                                  | Power: PoE -48V          |
| Note: Mode 1 : Transmit at 2412MHz by 802.11b |                          |



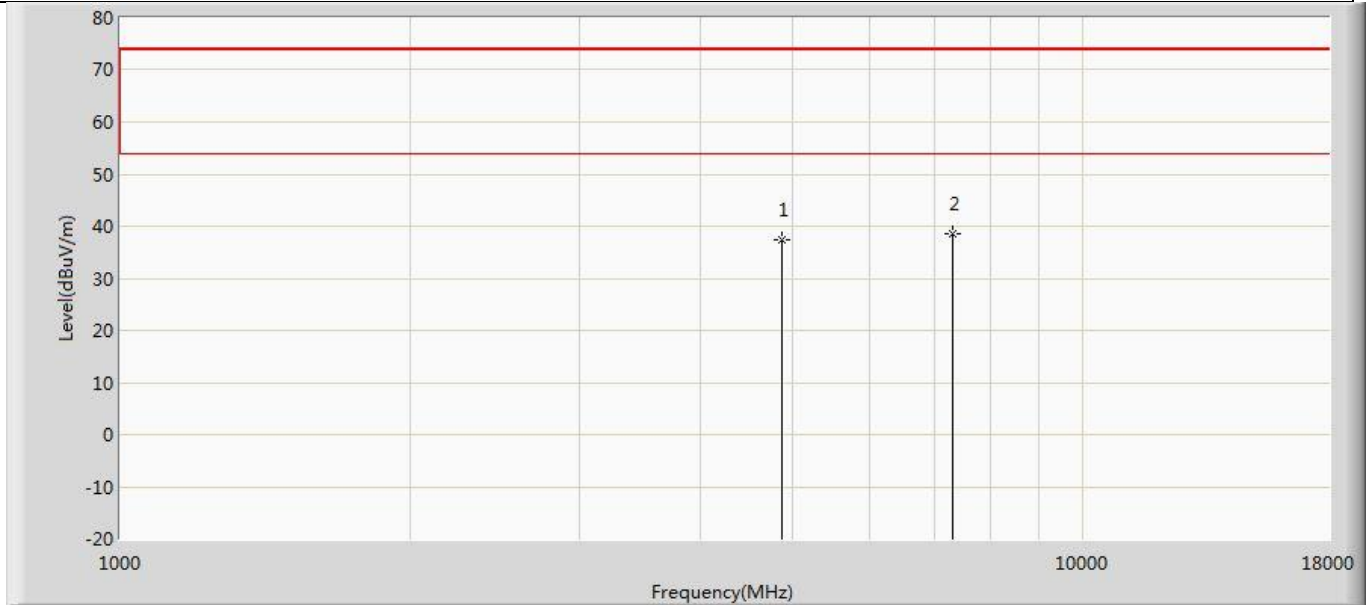
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4824.000       | 37.334                | 43.230              | -36.666        | 74.000        | -5.896     | PK   |
| 2  | *    | 7236.000       | 39.564                | 42.521              | -34.436        | 74.000        | -2.957     | PK   |

|                                               |                          |
|-----------------------------------------------|--------------------------|
| Profile: 20B0117R                             | Page No.: 26             |
| Engineer: Neil                                |                          |
| Site: AC5                                     | Time: 2021/01/19 - 20:15 |
| Limit: FCC_Part15.209_RE(3m)                  | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)            | Polarity: Vertical       |
| EUT: AP510CX                                  | Power: PoE -48V          |
| Note: Mode 1 : Transmit at 2412MHz by 802.11b |                          |



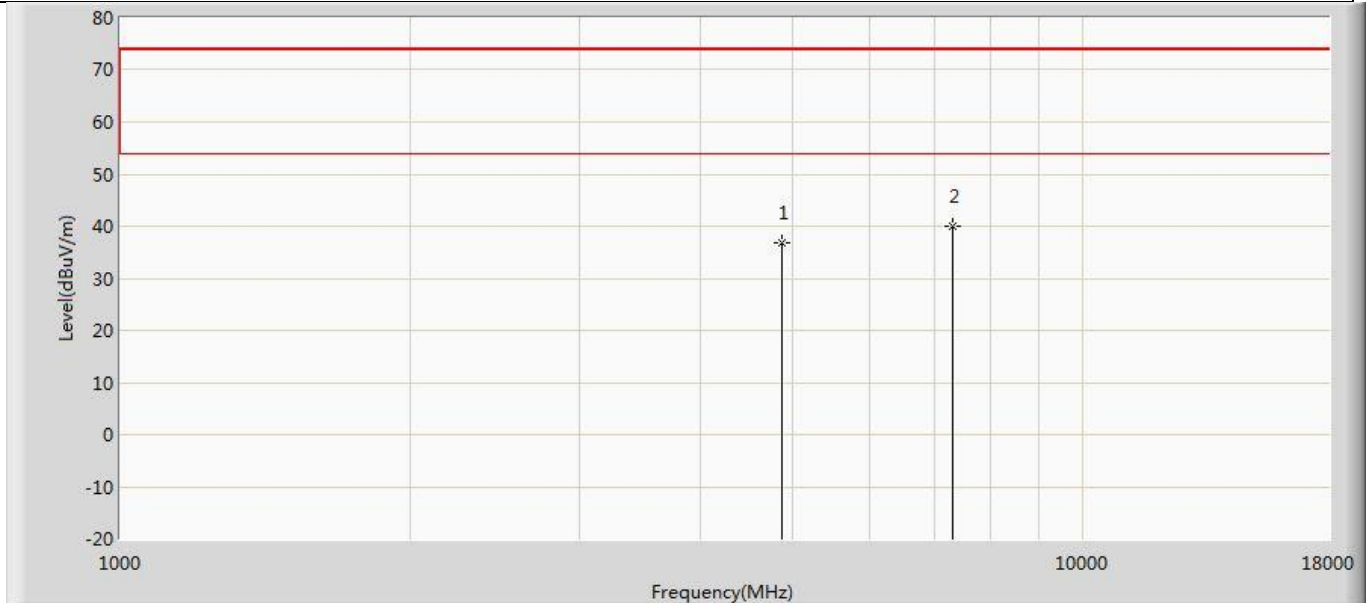
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4824.000       | 38.764                | 44.660              | -35.236        | 74.000        | -5.896     | PK   |
| 2  | *    | 7236.000       | 39.934                | 42.891              | -34.066        | 74.000        | -2.957     | PK   |

|                                               |                          |
|-----------------------------------------------|--------------------------|
| Profile: 20B0117R                             | Page No.: 27             |
| Engineer: Neil                                |                          |
| Site: AC5                                     | Time: 2021/01/19 - 20:15 |
| Limit: FCC_Part15.209_RE(3m)                  | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)            | Polarity: Horizontal     |
| EUT: AP510CX                                  | Power: PoE -48V          |
| Note: Mode 1 : Transmit at 2437MHz by 802.11b |                          |



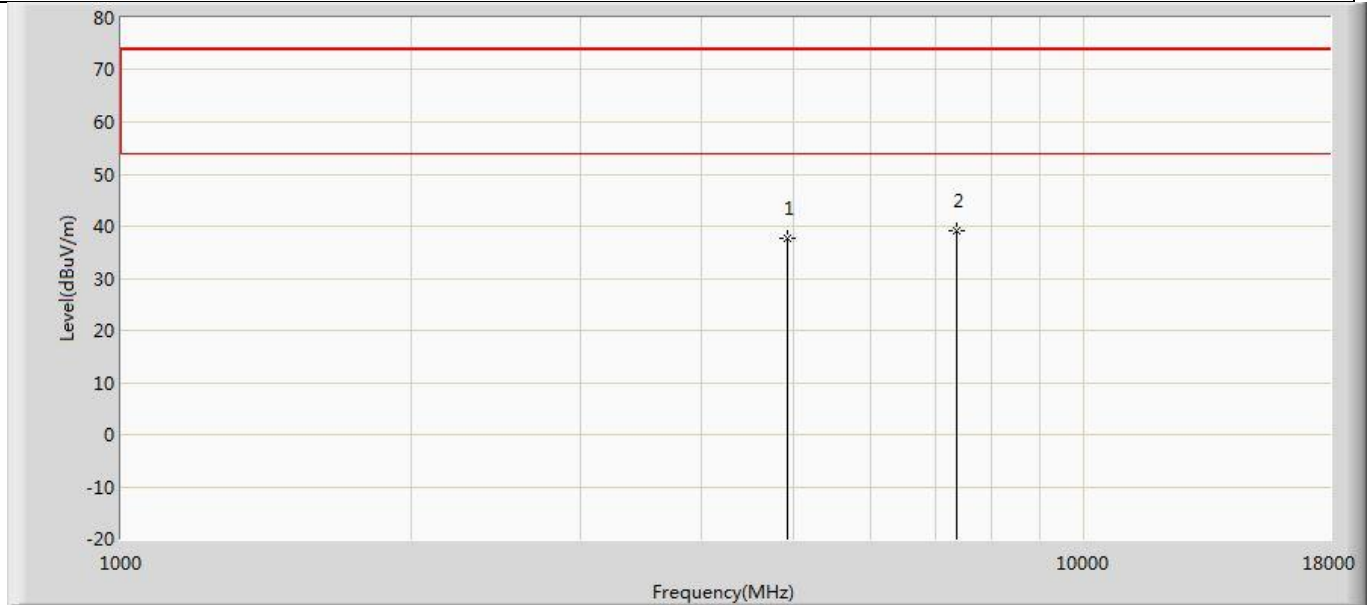
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4874.000       | 37.384                | 43.263              | -36.616        | 74.000        | -5.879     | PK   |
| 2  | *    | 7311.000       | 38.539                | 41.592              | -35.461        | 74.000        | -3.054     | PK   |

|                                               |                          |
|-----------------------------------------------|--------------------------|
| Profile: 20B0117R                             | Page No.: 28             |
| Engineer: Neil                                |                          |
| Site: AC5                                     | Time: 2021/01/19 - 20:15 |
| Limit: FCC_Part15.209_RE(3m)                  | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)            | Polarity: Vertical       |
| EUT: AP510CX                                  | Power: PoE -48V          |
| Note: Mode 1 : Transmit at 2437MHz by 802.11b |                          |



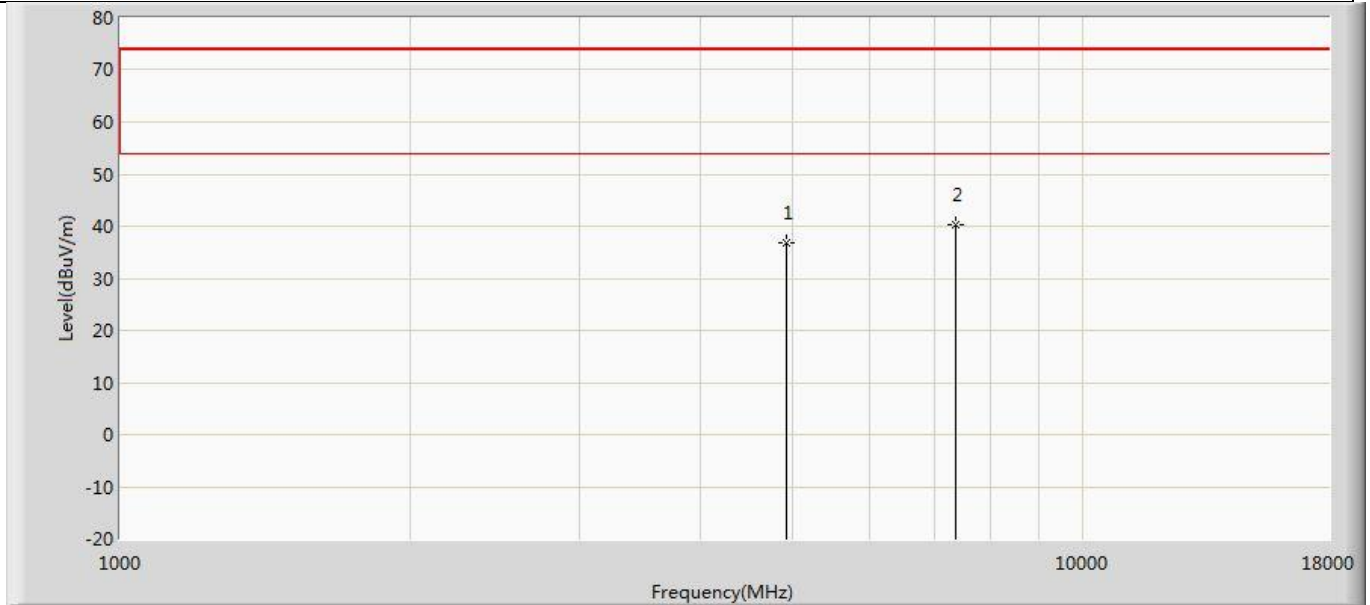
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4874.000       | 36.768                | 42.647              | -37.232        | 74.000        | -5.879     | PK   |
| 2  | *    | 7311.000       | 39.965                | 43.018              | -34.035        | 74.000        | -3.054     | PK   |

|                                               |                          |
|-----------------------------------------------|--------------------------|
| Profile: 20B0117R                             | Page No.: 29             |
| Engineer: Neil                                |                          |
| Site: AC5                                     | Time: 2021/01/19 - 20:16 |
| Limit: FCC_Part15.209_RE(3m)                  | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)            | Polarity: Horizontal     |
| EUT: AP510CX                                  | Power: PoE -48V          |
| Note: Mode 1 : Transmit at 2462MHz by 802.11b |                          |



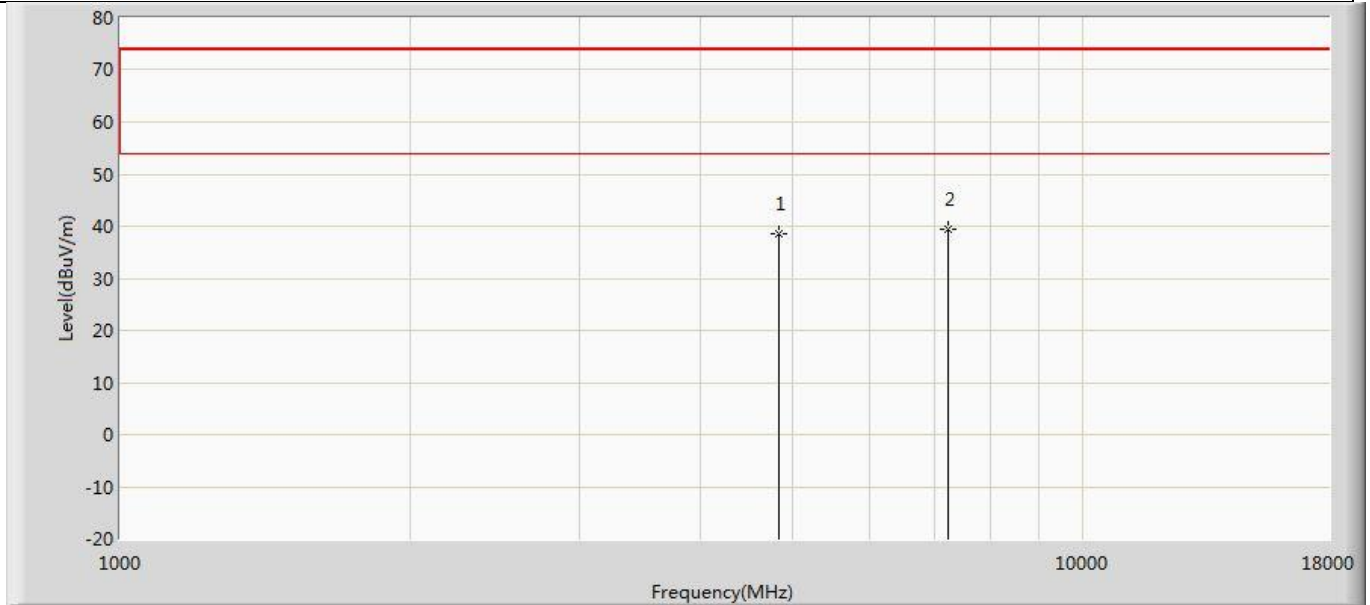
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4924.000       | 37.634                | 43.561              | -36.366        | 74.000        | -5.927     | PK   |
| 2  | *    | 7386.000       | 39.167                | 42.202              | -34.833        | 74.000        | -3.035     | PK   |

|                                               |                          |
|-----------------------------------------------|--------------------------|
| Profile: 20B0117R                             | Page No.: 30             |
| Engineer: Neil                                |                          |
| Site: AC5                                     | Time: 2021/01/19 - 20:16 |
| Limit: FCC_Part15.209_RE(3m)                  | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)            | Polarity: Vertical       |
| EUT: AP510CX                                  | Power: PoE -48V          |
| Note: Mode 1 : Transmit at 2462MHz by 802.11b |                          |



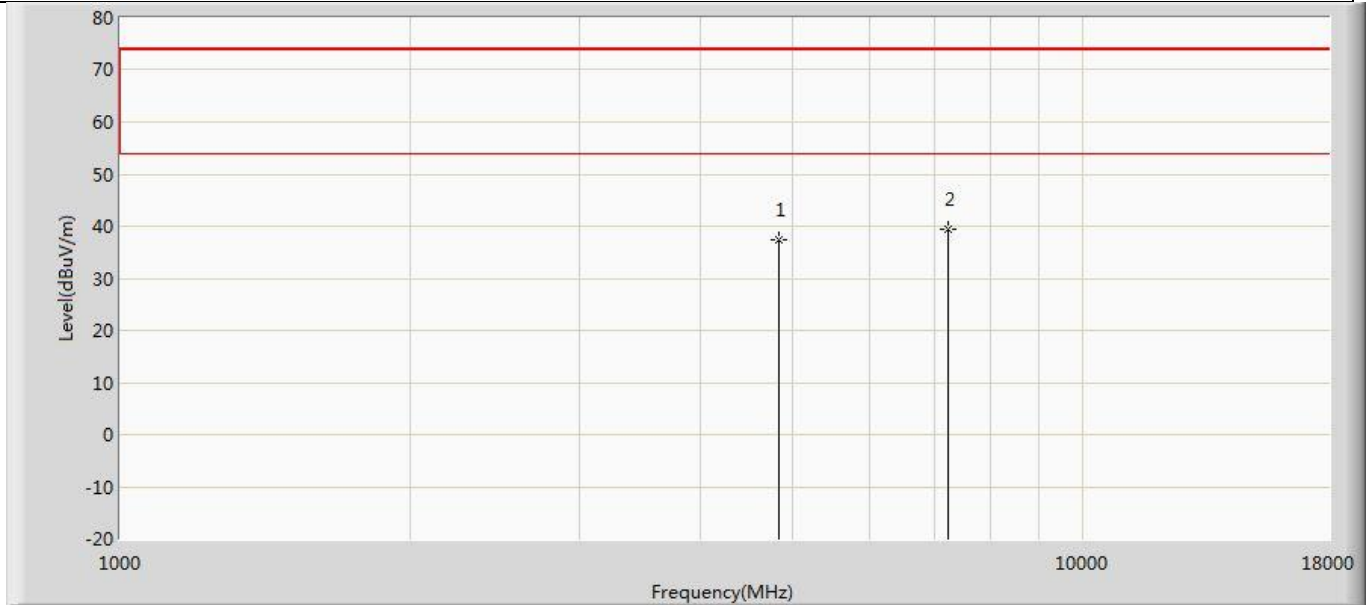
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4924.000       | 36.886                | 42.813              | -37.114        | 74.000        | -5.927     | PK   |
| 2  | *    | 7386.000       | 40.249                | 43.284              | -33.751        | 74.000        | -3.035     | PK   |

|                                               |                          |
|-----------------------------------------------|--------------------------|
| Profile: 20B0117R                             | Page No.: 31             |
| Engineer: Neil                                |                          |
| Site: AC5                                     | Time: 2021/01/19 - 20:16 |
| Limit: FCC_Part15.209_RE(3m)                  | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)            | Polarity: Horizontal     |
| EUT: AP510CX                                  | Power: PoE -48V          |
| Note: Mode 2 : Transmit at 2412MHz by 802.11g |                          |



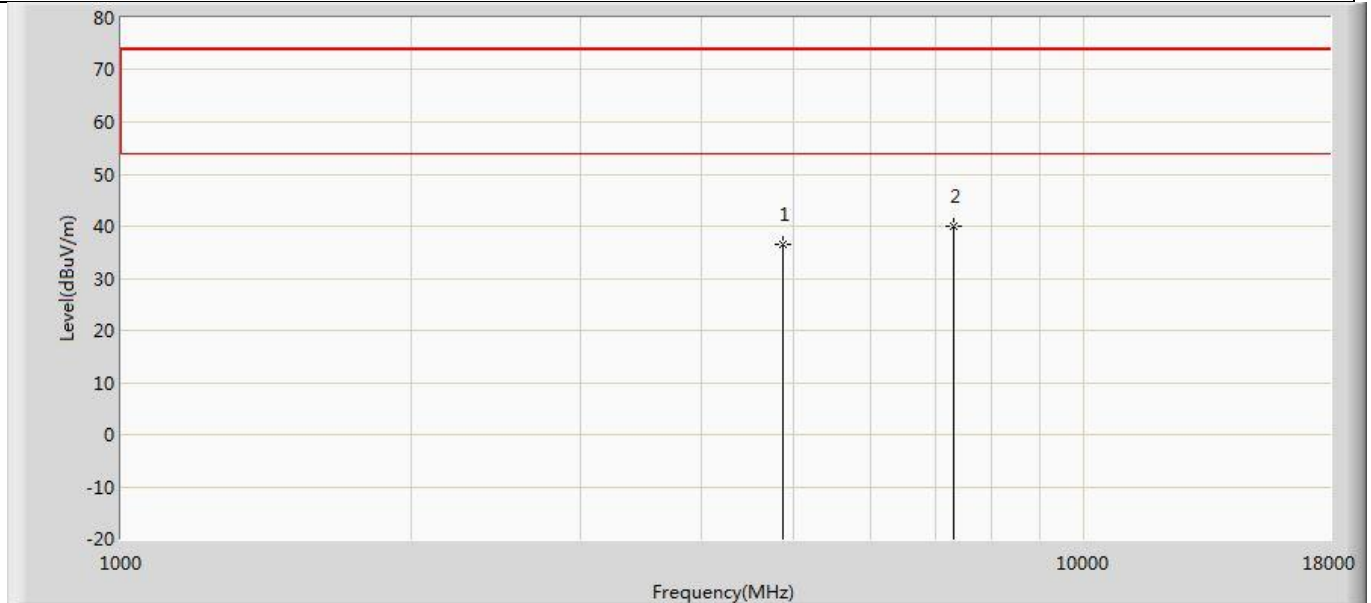
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4824.000       | 38.631                | 44.527              | -35.369        | 74.000        | -5.896     | PK   |
| 2  | *    | 7236.000       | 39.284                | 42.241              | -34.716        | 74.000        | -2.957     | PK   |

|                                               |                          |
|-----------------------------------------------|--------------------------|
| Profile: 20B0117R                             | Page No.: 32             |
| Engineer: Neil                                |                          |
| Site: AC5                                     | Time: 2021/01/19 - 20:16 |
| Limit: FCC_Part15.209_RE(3m)                  | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)            | Polarity: Vertical       |
| EUT: AP510CX                                  | Power: PoE -48V          |
| Note: Mode 2 : Transmit at 2412MHz by 802.11g |                          |



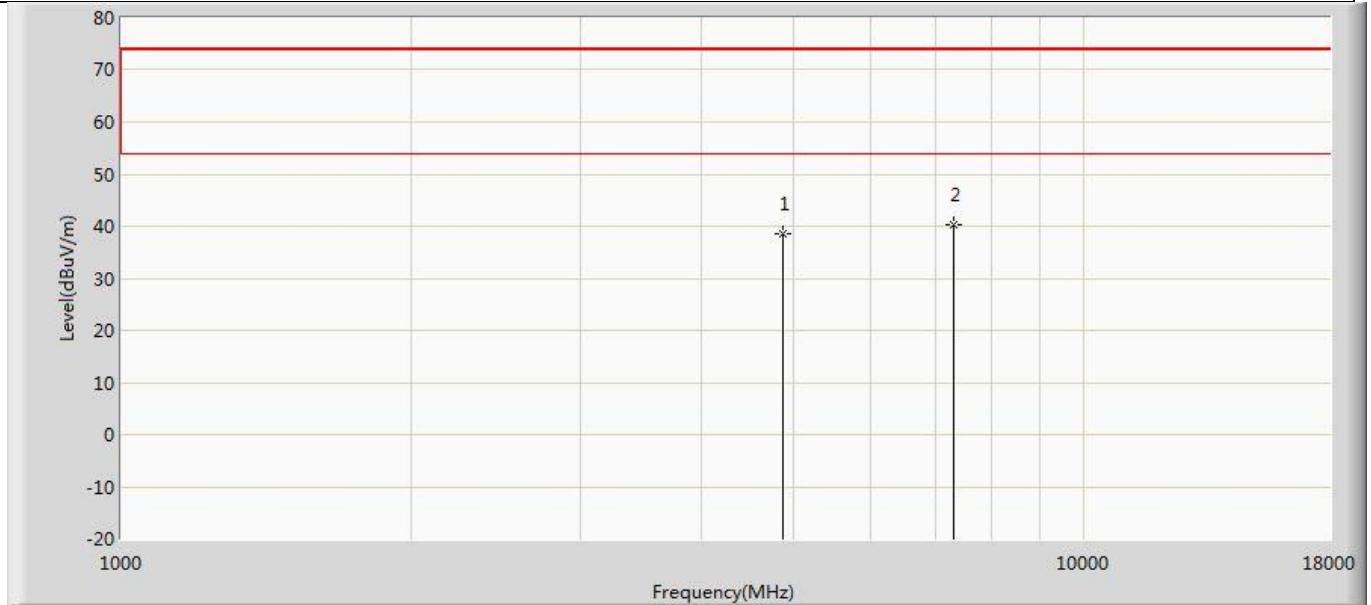
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4824.000       | 37.465                | 43.361              | -36.535        | 74.000        | -5.896     | PK   |
| 2  | *    | 7236.000       | 39.494                | 42.451              | -34.506        | 74.000        | -2.957     | PK   |

|                                               |                          |
|-----------------------------------------------|--------------------------|
| Profile: 20B0117R                             | Page No.: 33             |
| Engineer: Neil                                |                          |
| Site: AC5                                     | Time: 2021/01/19 - 20:16 |
| Limit: FCC_Part15.209_RE(3m)                  | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)            | Polarity: Horizontal     |
| EUT: AP510CX                                  | Power: PoE -48V          |
| Note: Mode 2 : Transmit at 2437MHz by 802.11g |                          |



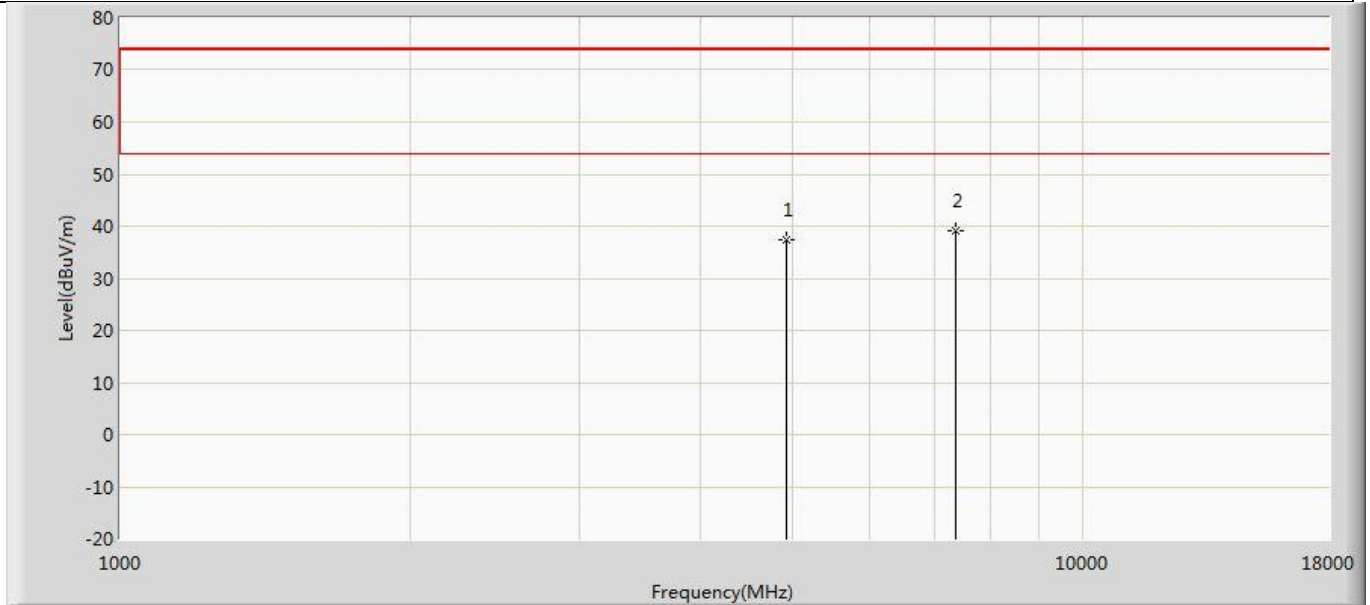
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4874.000       | 36.528                | 42.407              | -37.472        | 74.000        | -5.879     | PK   |
| 2  | *    | 7311.000       | 39.934                | 42.987              | -34.066        | 74.000        | -3.054     | PK   |

|                                               |                          |
|-----------------------------------------------|--------------------------|
| Profile: 20B0117R                             | Page No.: 34             |
| Engineer: Neil                                |                          |
| Site: AC5                                     | Time: 2021/01/19 - 20:16 |
| Limit: FCC_Part15.209_RE(3m)                  | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)            | Polarity: Vertical       |
| EUT: AP510CX                                  | Power: PoE -48V          |
| Note: Mode 2 : Transmit at 2437MHz by 802.11g |                          |



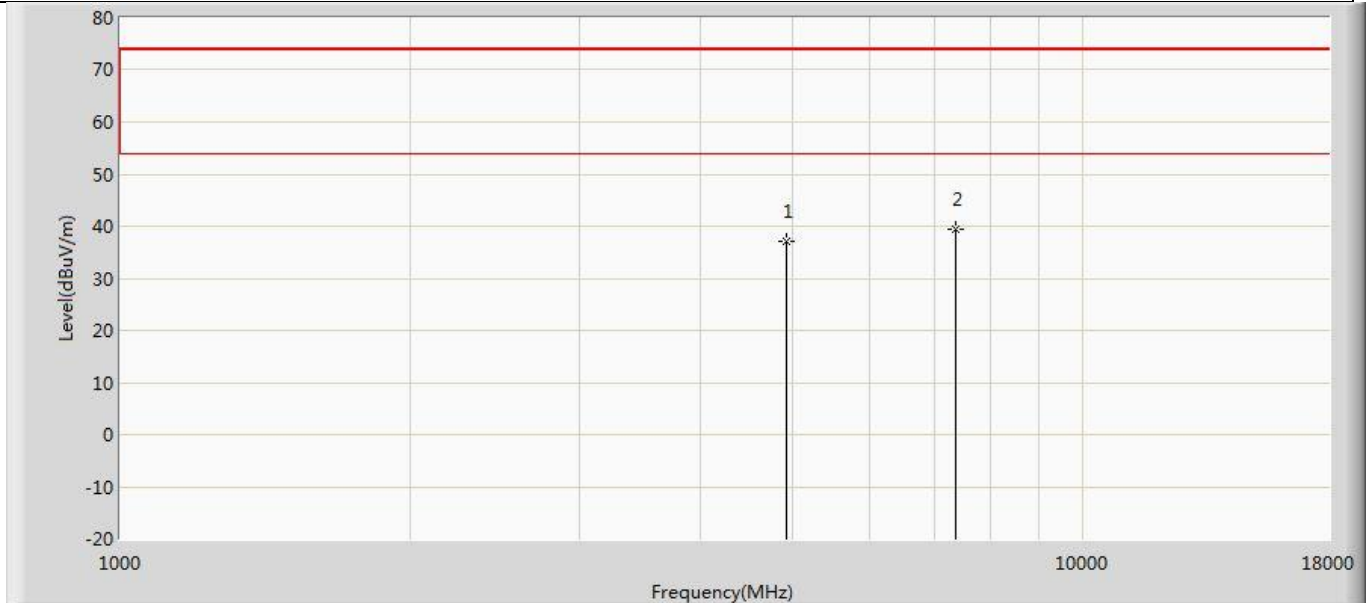
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4874.000       | 38.534                | 44.413              | -35.466        | 74.000        | -5.879     | PK   |
| 2  | *    | 7311.000       | 40.248                | 43.301              | -33.752        | 74.000        | -3.054     | PK   |

|                                               |                          |
|-----------------------------------------------|--------------------------|
| Profile: 20B0117R                             | Page No.: 35             |
| Engineer: Neil                                |                          |
| Site: AC5                                     | Time: 2021/01/19 - 20:16 |
| Limit: FCC_Part15.209_RE(3m)                  | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)            | Polarity: Horizontal     |
| EUT: AP510CX                                  | Power: PoE -48V          |
| Note: Mode 2 : Transmit at 2462MHz by 802.11g |                          |



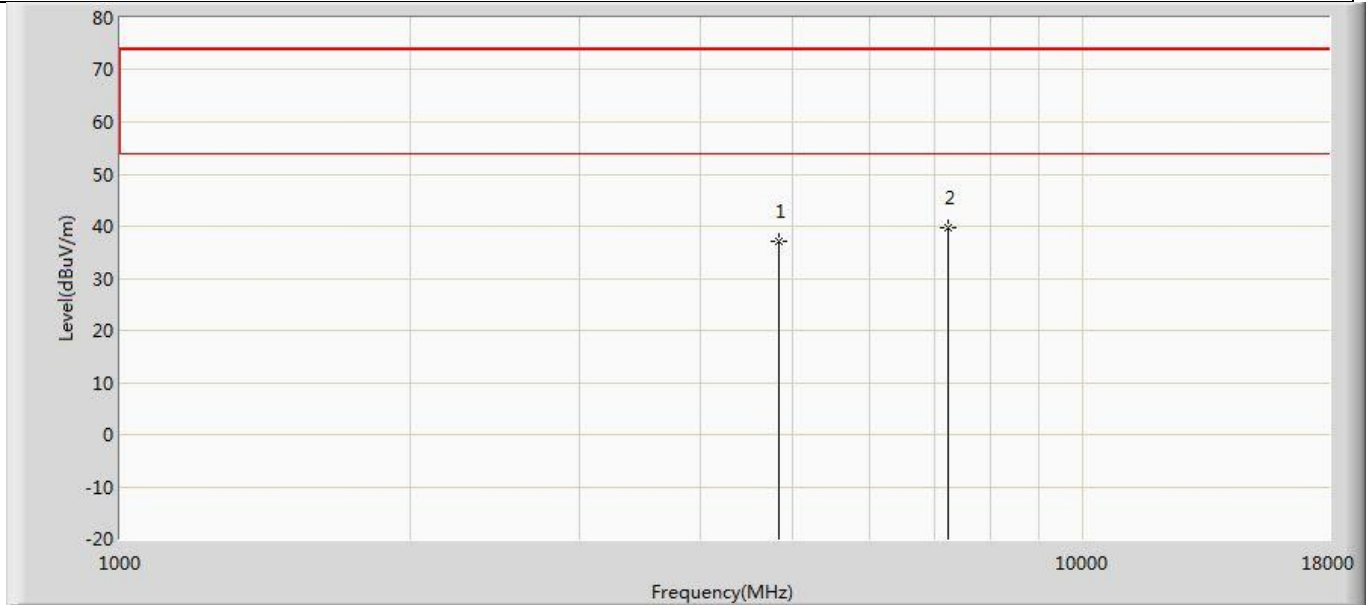
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4924.000       | 37.415                | 43.342              | -36.585        | 74.000        | -5.927     | PK   |
| 2  | *    | 7386.000       | 39.231                | 42.266              | -34.769        | 74.000        | -3.035     | PK   |

|                                               |                          |
|-----------------------------------------------|--------------------------|
| Profile: 20B0117R                             | Page No.: 36             |
| Engineer: Neil                                |                          |
| Site: AC5                                     | Time: 2021/01/19 - 20:16 |
| Limit: FCC_Part15.209_RE(3m)                  | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)            | Polarity: Vertical       |
| EUT: AP510CX                                  | Power: PoE -48V          |
| Note: Mode 2 : Transmit at 2462MHz by 802.11g |                          |



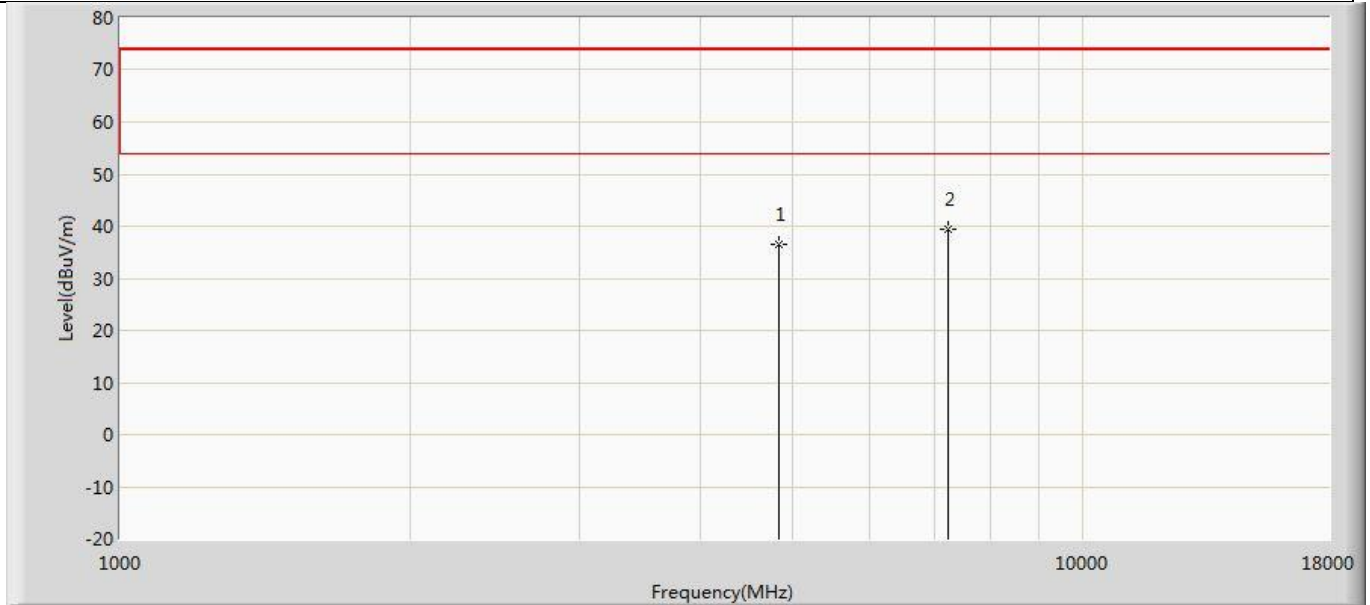
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4924.000       | 37.166                | 43.093              | -36.834        | 74.000        | -5.927     | PK   |
| 2  | *    | 7386.000       | 39.352                | 42.387              | -34.648        | 74.000        | -3.035     | PK   |

|                                                      |                          |
|------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                    | Page No.: 37             |
| Engineer: Neil                                       |                          |
| Site: AC5                                            | Time: 2021/01/19 - 20:16 |
| Limit: FCC_Part15.209_RE(3m)                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                   | Polarity: Horizontal     |
| EUT: AP510CX                                         | Power: PoE -48V          |
| Note: Mode 3 : Transmit at 2412MHz by 802.11n(20MHz) |                          |



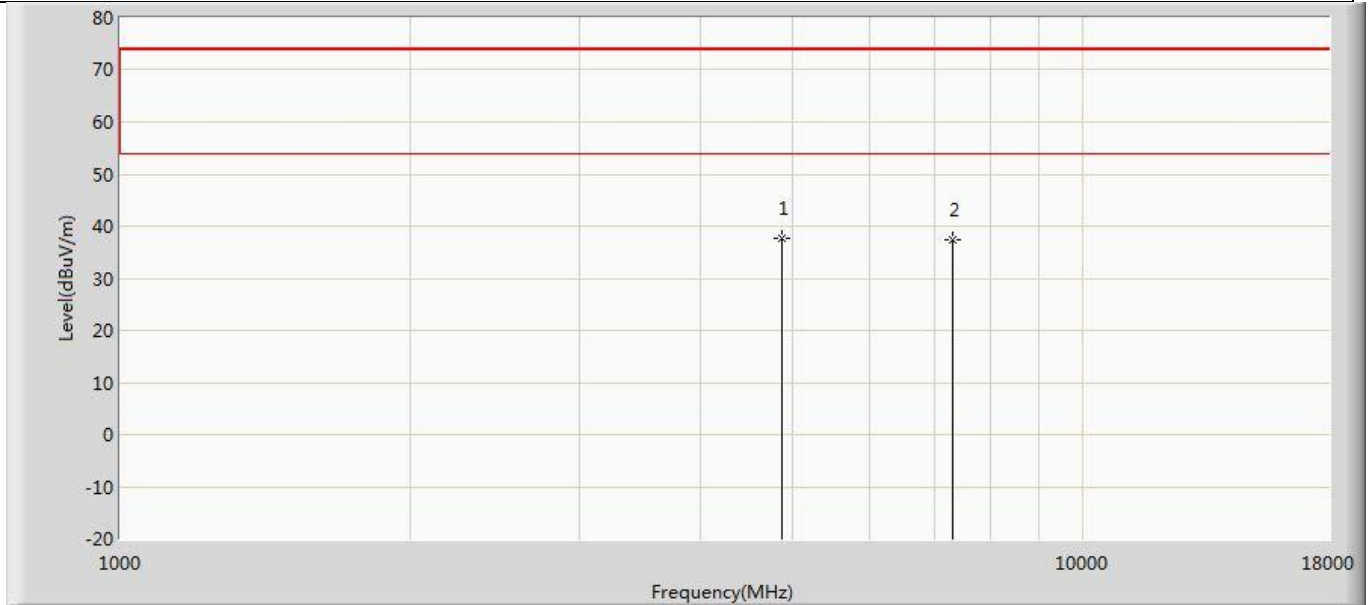
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4824.000       | 37.236                | 43.132              | -36.764        | 74.000        | -5.896     | PK   |
| 2  | *    | 7236.000       | 39.637                | 42.594              | -34.363        | 74.000        | -2.957     | PK   |

|                                                      |                          |
|------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                    | Page No.: 38             |
| Engineer: Neil                                       |                          |
| Site: AC5                                            | Time: 2021/01/19 - 20:16 |
| Limit: FCC_Part15.209_RE(3m)                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                   | Polarity: Vertical       |
| EUT: AP510CX                                         | Power: PoE -48V          |
| Note: Mode 3 : Transmit at 2412MHz by 802.11n(20MHz) |                          |



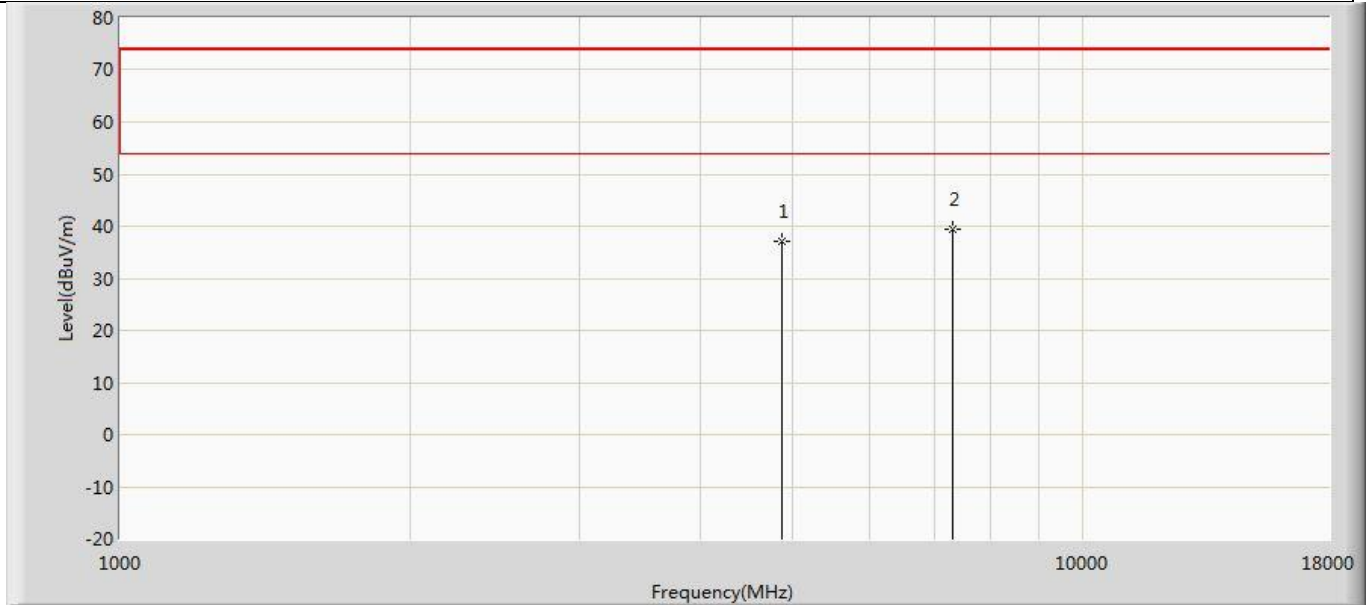
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4824.000       | 36.622                | 42.518              | -37.378        | 74.000        | -5.896     | PK   |
| 2  | *    | 7236.000       | 39.364                | 42.321              | -34.636        | 74.000        | -2.957     | PK   |

|                                                      |                          |
|------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                    | Page No.: 39             |
| Engineer: Neil                                       |                          |
| Site: AC5                                            | Time: 2021/01/19 - 20:16 |
| Limit: FCC_Part15.209_RE(3m)                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                   | Polarity: Horizontal     |
| EUT: AP510CX                                         | Power: PoE -48V          |
| Note: Mode 3 : Transmit at 2437MHz by 802.11n(20MHz) |                          |



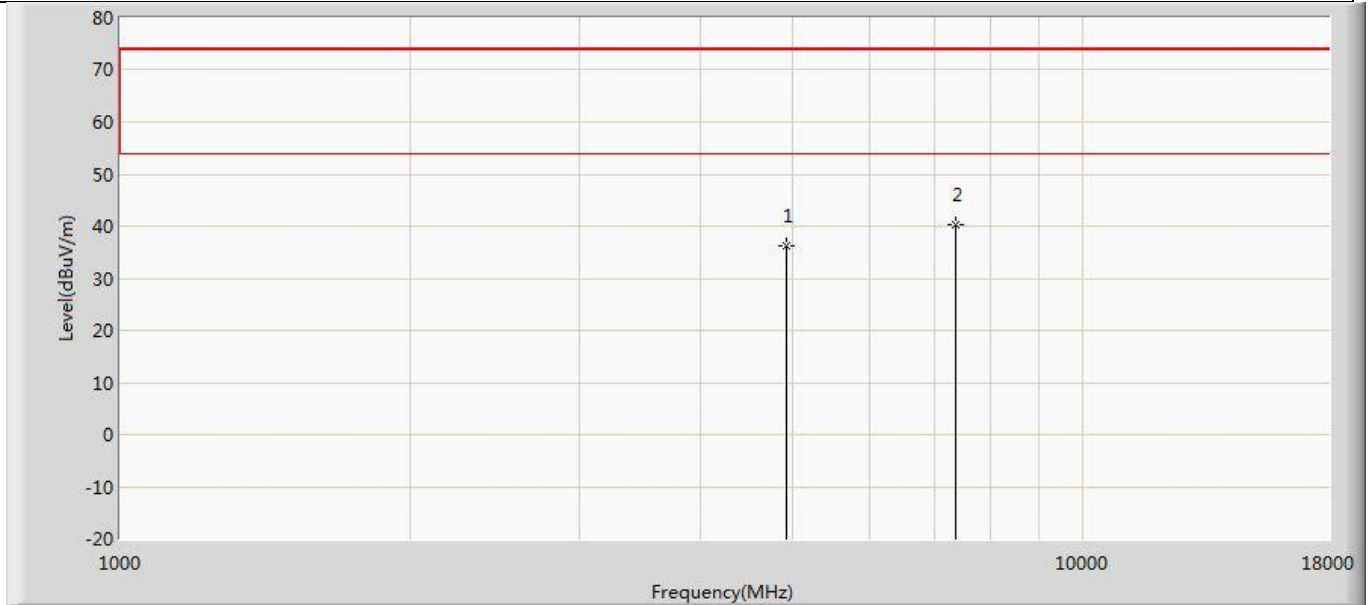
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  | *    | 4874.000       | 37.549                | 43.428              | -36.451        | 74.000        | -5.879     | PK   |
| 2  |      | 7311.000       | 37.500                | 40.553              | -36.500        | 74.000        | -3.054     | PK   |

|                                                      |                          |
|------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                    | Page No.: 40             |
| Engineer: Neil                                       |                          |
| Site: AC5                                            | Time: 2021/01/19 - 20:17 |
| Limit: FCC_Part15.209_RE(3m)                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                   | Polarity: Vertical       |
| EUT: AP510CX                                         | Power: PoE -48V          |
| Note: Mode 3 : Transmit at 2437MHz by 802.11n(20MHz) |                          |



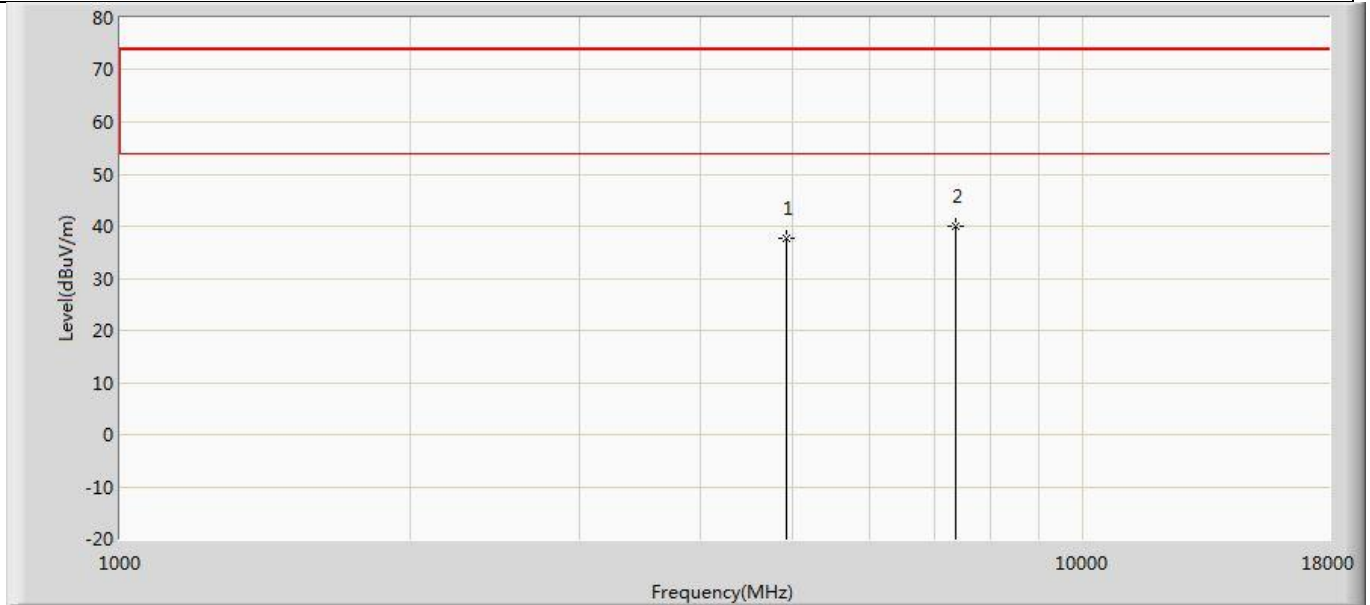
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4874.000       | 37.238                | 43.117              | -36.762        | 74.000        | -5.879     | PK   |
| 2  | *    | 7311.000       | 39.362                | 42.415              | -34.638        | 74.000        | -3.054     | PK   |

|                                                      |                          |
|------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                    | Page No.: 41             |
| Engineer: Neil                                       |                          |
| Site: AC5                                            | Time: 2021/01/19 - 20:17 |
| Limit: FCC_Part15.209_RE(3m)                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                   | Polarity: Horizontal     |
| EUT: AP510CX                                         | Power: PoE -48V          |
| Note: Mode 3 : Transmit at 2462MHz by 802.11n(20MHz) |                          |



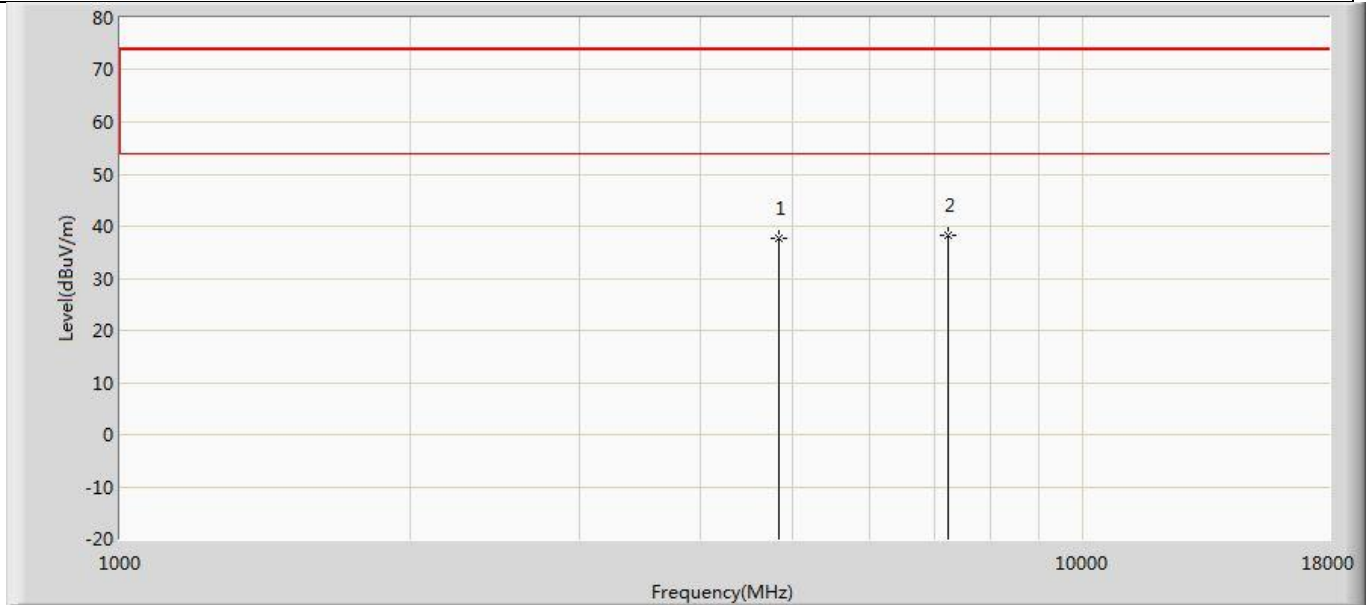
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4924.000       | 36.349                | 42.276              | -37.651        | 74.000        | -5.927     | PK   |
| 2  | *    | 7386.000       | 40.374                | 43.409              | -33.626        | 74.000        | -3.035     | PK   |

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|------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                    | Page No.: 42             |
| Engineer: Neil                                       |                          |
| Site: AC5                                            | Time: 2021/01/19 - 20:17 |
| Limit: FCC_Part15.209_RE(3m)                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                   | Polarity: Vertical       |
| EUT: AP510CX                                         | Power: PoE -48V          |
| Note: Mode 3 : Transmit at 2462MHz by 802.11n(20MHz) |                          |



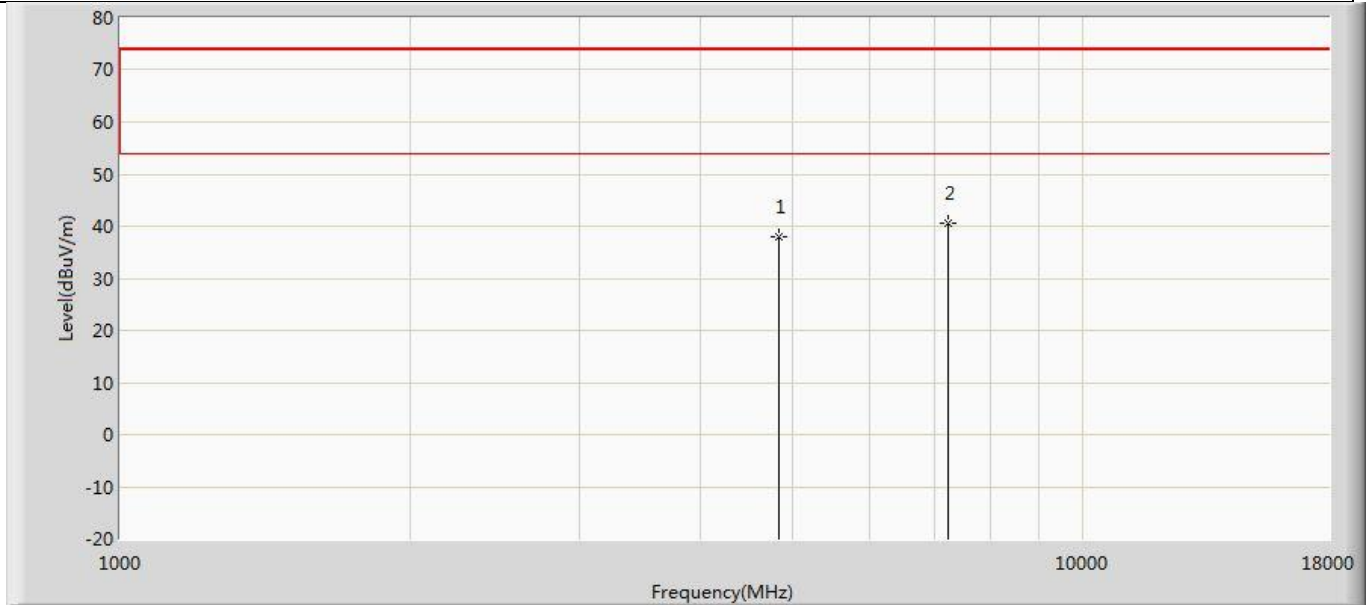
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4924.000       | 37.635                | 43.562              | -36.365        | 74.000        | -5.927     | PK   |
| 2  | *    | 7386.000       | 39.856                | 42.891              | -34.144        | 74.000        | -3.035     | PK   |

|                                                       |                          |
|-------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                     | Page No.: 43             |
| Engineer: Neil                                        |                          |
| Site: AC5                                             | Time: 2021/01/19 - 20:17 |
| Limit: FCC_Part15.209_RE(3m)                          | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                    | Polarity: Horizontal     |
| EUT: AP510CX                                          | Power: PoE -48V          |
| Note: Mode 4 : Transmit at 2412MHz by 802.11ax(20MHz) |                          |



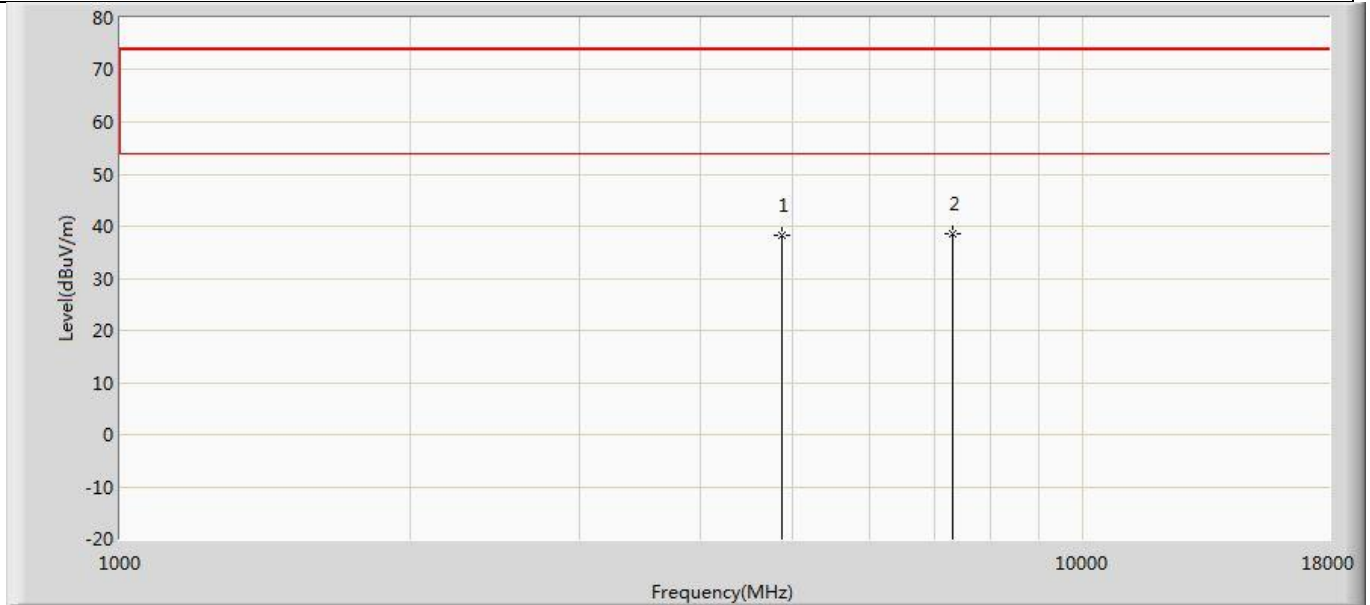
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4824.000       | 37.634                | 43.530              | -36.366        | 74.000        | -5.896     | PK   |
| 2  | *    | 7236.000       | 38.367                | 41.324              | -35.633        | 74.000        | -2.957     | PK   |

|                                                       |                          |
|-------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                     | Page No.: 44             |
| Engineer: Neil                                        |                          |
| Site: AC5                                             | Time: 2021/01/19 - 20:17 |
| Limit: FCC_Part15.209_RE(3m)                          | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                    | Polarity: Vertical       |
| EUT: AP510CX                                          | Power: PoE -48V          |
| Note: Mode 4 : Transmit at 2412MHz by 802.11ax(20MHz) |                          |



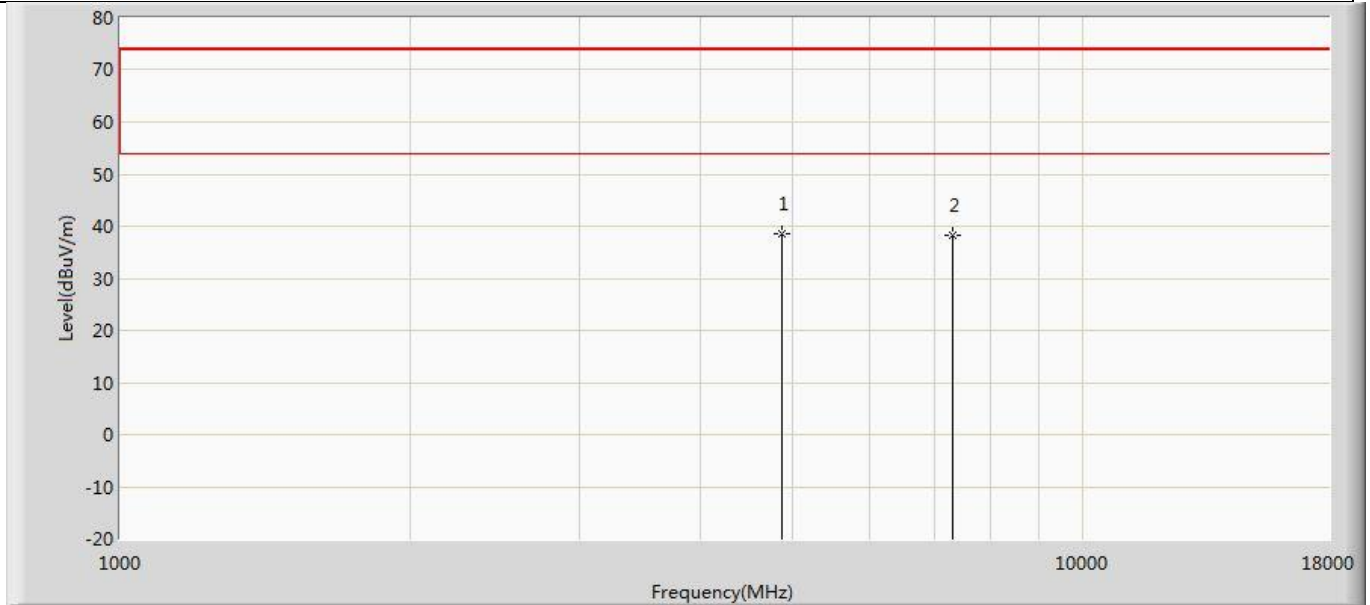
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4824.000       | 37.968                | 43.864              | -36.032        | 74.000        | -5.896     | PK   |
| 2  | *    | 7236.000       | 40.638                | 43.595              | -33.362        | 74.000        | -2.957     | PK   |

|                                                       |                          |
|-------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                     | Page No.: 45             |
| Engineer: Neil                                        |                          |
| Site: AC5                                             | Time: 2021/01/19 - 20:17 |
| Limit: FCC_Part15.209_RE(3m)                          | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                    | Polarity: Horizontal     |
| EUT: AP510CX                                          | Power: PoE -48V          |
| Note: Mode 4 : Transmit at 2437MHz by 802.11ax(20MHz) |                          |



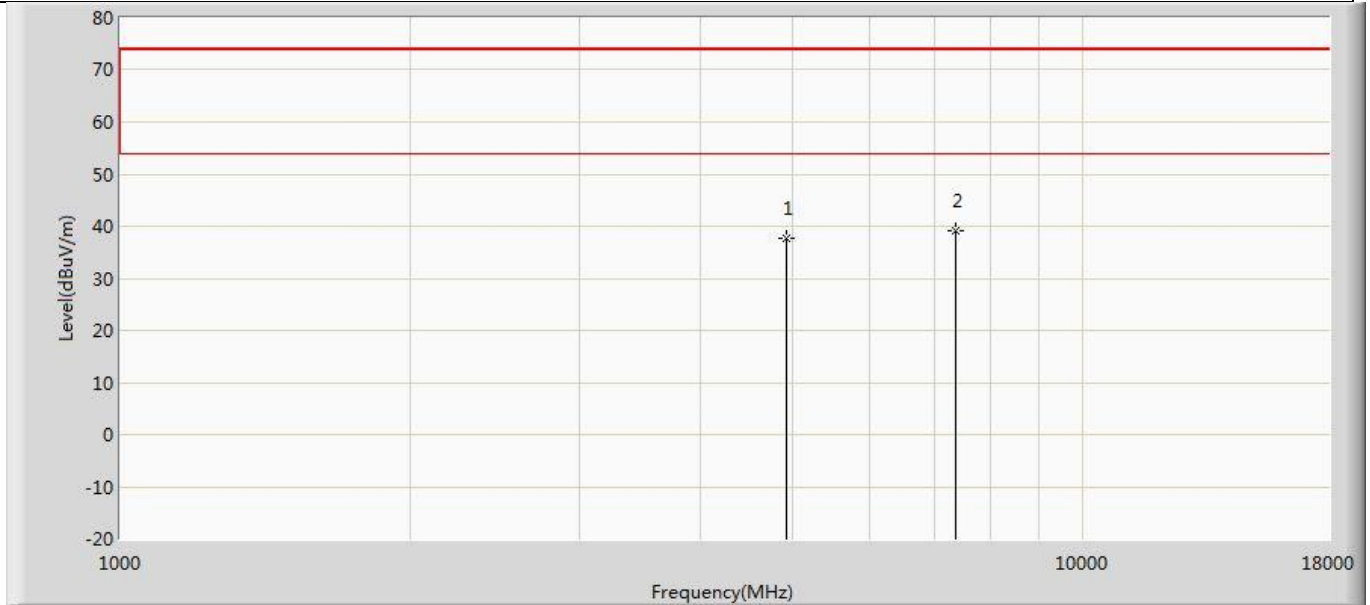
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4874.000       | 38.366                | 44.245              | -35.634        | 74.000        | -5.879     | PK   |
| 2  | *    | 7311.000       | 38.582                | 41.635              | -35.418        | 74.000        | -3.054     | PK   |

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|-------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                     | Page No.: 46             |
| Engineer: Neil                                        |                          |
| Site: AC5                                             | Time: 2021/01/19 - 20:17 |
| Limit: FCC_Part15.209_RE(3m)                          | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                    | Polarity: Vertical       |
| EUT: AP510CX                                          | Power: PoE -48V          |
| Note: Mode 4 : Transmit at 2437MHz by 802.11ax(20MHz) |                          |



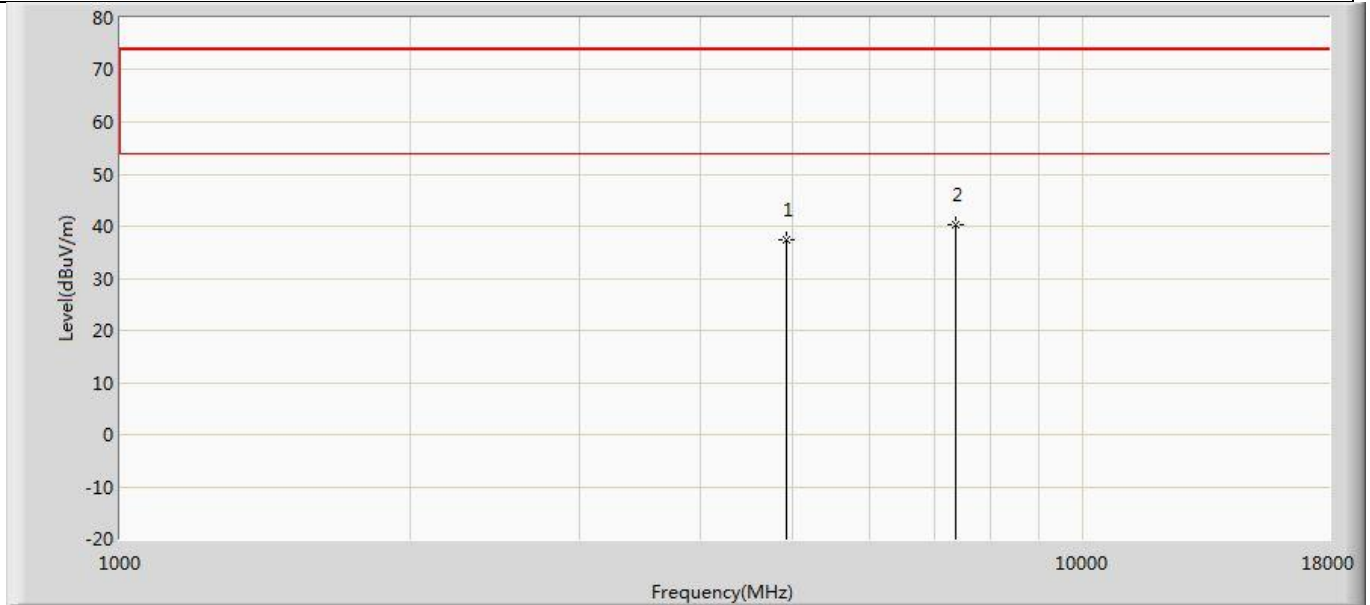
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  | *    | 4874.000       | 38.646                | 44.525              | -35.354        | 74.000        | -5.879     | PK   |
| 2  |      | 7311.000       | 38.368                | 41.421              | -35.632        | 74.000        | -3.054     | PK   |

|                                                       |                          |
|-------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                     | Page No.: 47             |
| Engineer: Neil                                        |                          |
| Site: AC5                                             | Time: 2021/01/19 - 20:17 |
| Limit: FCC_Part15.209_RE(3m)                          | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                    | Polarity: Horizontal     |
| EUT: AP510CX                                          | Power: PoE -48V          |
| Note: Mode 4 : Transmit at 2462MHz by 802.11ax(20MHz) |                          |



| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4924.000       | 37.736                | 43.663              | -36.264        | 74.000        | -5.927     | PK   |
| 2  | *    | 7386.000       | 39.166                | 42.201              | -34.834        | 74.000        | -3.035     | PK   |

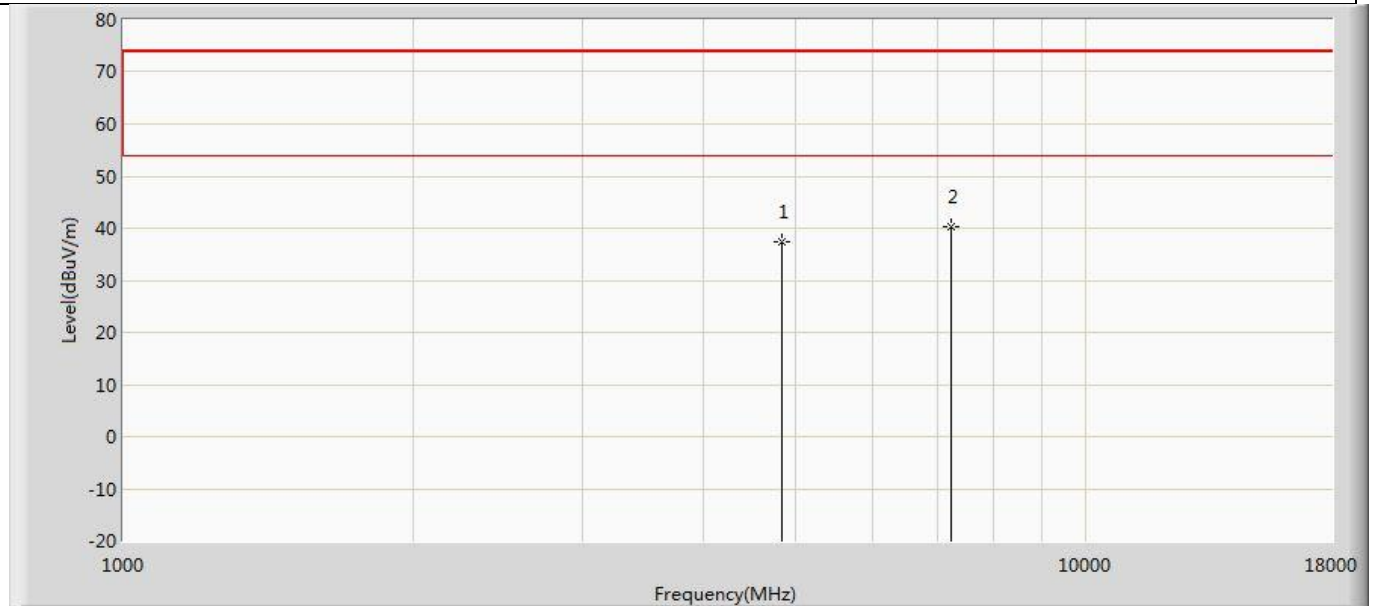
|                                                       |                          |
|-------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                     | Page No.: 48             |
| Engineer: Neil                                        |                          |
| Site: AC5                                             | Time: 2021/01/19 - 20:17 |
| Limit: FCC_Part15.209_RE(3m)                          | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                    | Polarity: Vertical       |
| EUT: AP510CX                                          | Power: PoE -48V          |
| Note: Mode 4 : Transmit at 2462MHz by 802.11ax(20MHz) |                          |



| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4924.000       | 37.286                | 43.213              | -36.714        | 74.000        | -5.927     | PK   |
| 2  | *    | 7386.000       | 40.367                | 43.402              | -33.633        | 74.000        | -3.035     | PK   |

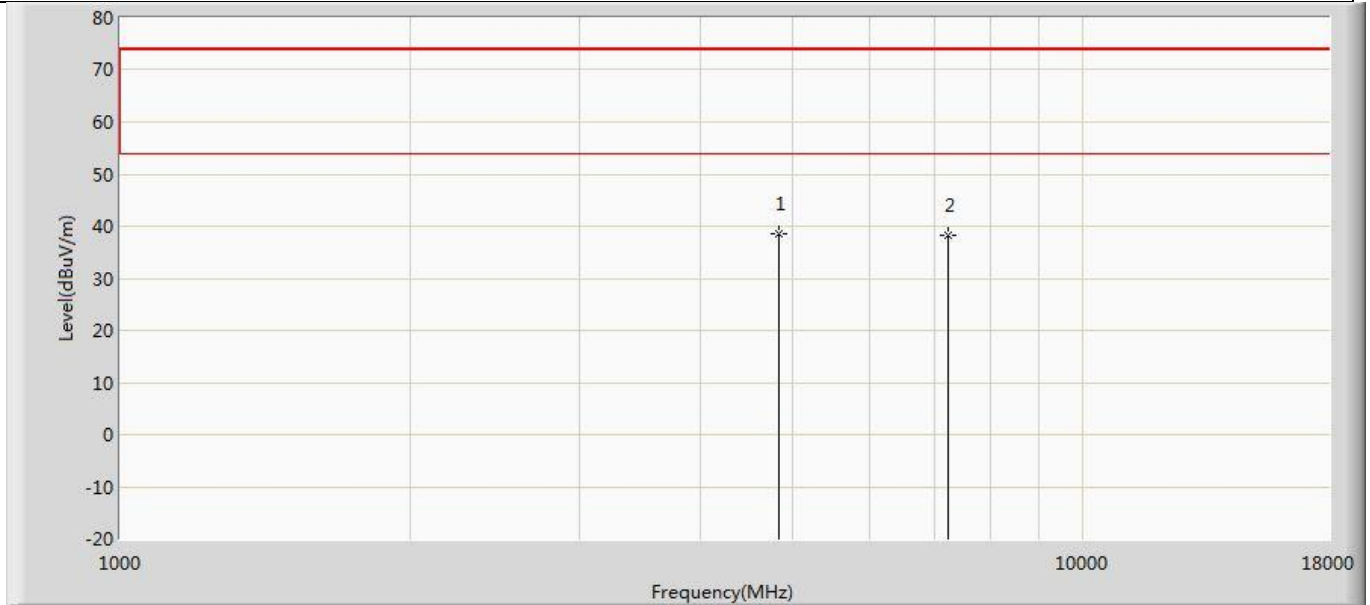
**Sector Antenna – MIMO (Beamforming 4TX)**

|                                                      |                          |
|------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                    | Page No.: 13             |
| Engineer: Neil                                       |                          |
| Site: AC5                                            | Time: 2021/01/19 - 19:38 |
| Limit: FCC_Part15.209_RE(3m)                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                   | Polarity: Horizontal     |
| EUT: AP510CX                                         | Power: PoE -48V          |
| Note: Mode 1 : Transmit at 2412MHz by 802.11n(20MHz) |                          |



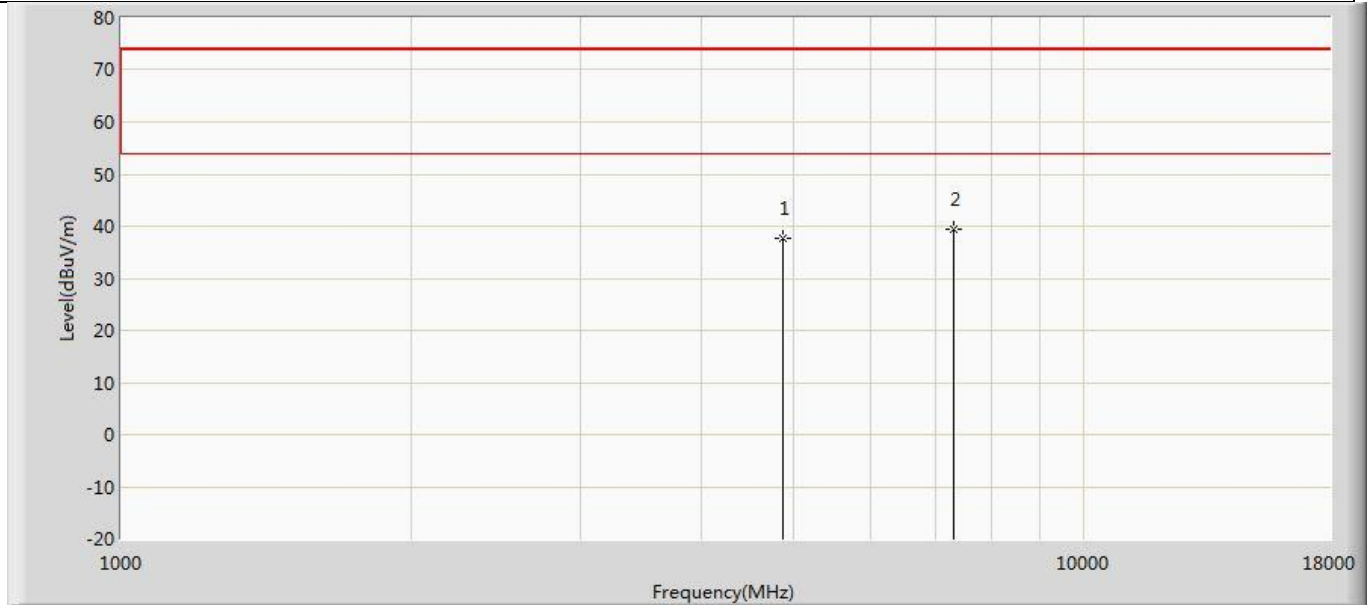
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4824.000       | 37.345                | 43.241              | -36.655        | 74.000        | -5.896     | PK   |
| 2  | *    | 7236.000       | 40.361                | 43.318              | -33.639        | 74.000        | -2.957     | PK   |

|                                                      |                          |
|------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                    | Page No.: 14             |
| Engineer: Neil                                       |                          |
| Site: AC5                                            | Time: 2021/01/19 - 19:38 |
| Limit: FCC_Part15.209_RE(3m)                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                   | Polarity: Vertical       |
| EUT: AP510CX                                         | Power: PoE -48V          |
| Note: Mode 1 : Transmit at 2412MHz by 802.11n(20MHz) |                          |



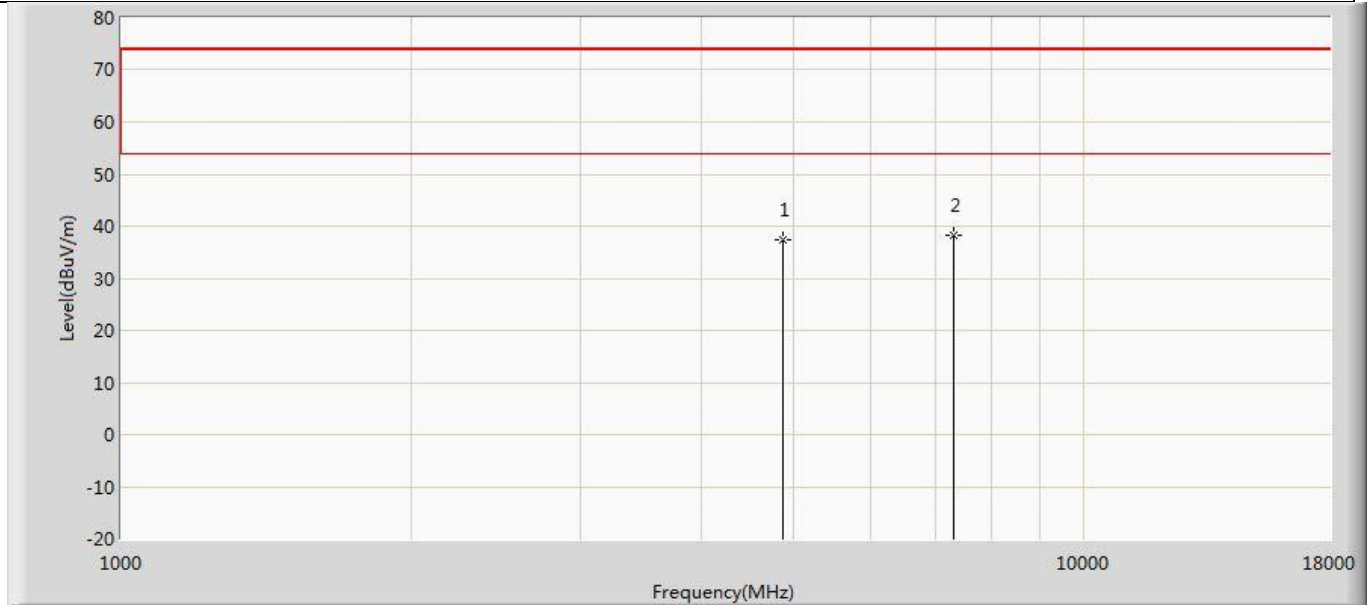
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  | *    | 4824.000       | 38.465                | 44.361              | -35.535        | 74.000        | -5.896     | PK   |
| 2  |      | 7236.000       | 38.349                | 41.306              | -35.651        | 74.000        | -2.957     | PK   |

|                                                      |                          |
|------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                    | Page No.: 15             |
| Engineer: Neil                                       |                          |
| Site: AC5                                            | Time: 2021/01/19 - 19:38 |
| Limit: FCC_Part15.209_RE(3m)                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                   | Polarity: Horizontal     |
| EUT: AP510CX                                         | Power: PoE -48V          |
| Note: Mode 1 : Transmit at 2437MHz by 802.11n(20MHz) |                          |



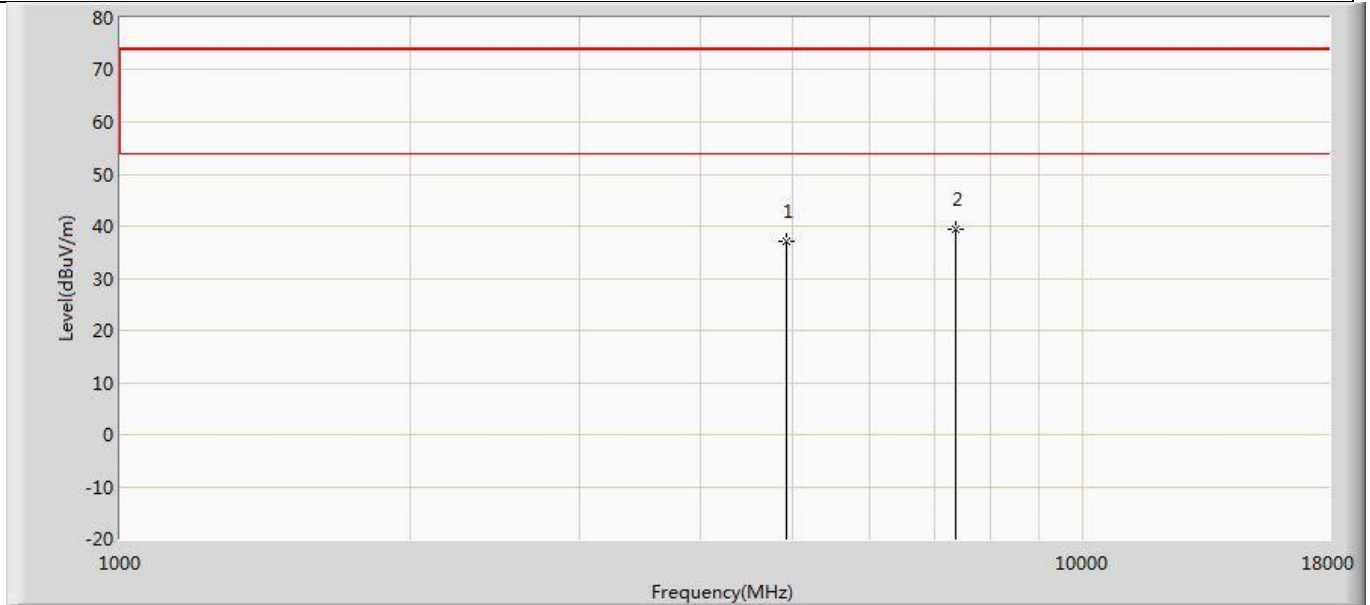
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4874.000       | 37.563                | 43.442              | -36.437        | 74.000        | -5.879     | PK   |
| 2  | *    | 7311.000       | 39.463                | 42.516              | -34.537        | 74.000        | -3.054     | PK   |

|                                                      |                          |
|------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                    | Page No.: 16             |
| Engineer: Neil                                       |                          |
| Site: AC5                                            | Time: 2021/01/19 - 19:38 |
| Limit: FCC_Part15.209_RE(3m)                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                   | Polarity: Vertical       |
| EUT: AP510CX                                         | Power: PoE -48V          |
| Note: Mode 1 : Transmit at 2437MHz by 802.11n(20MHz) |                          |



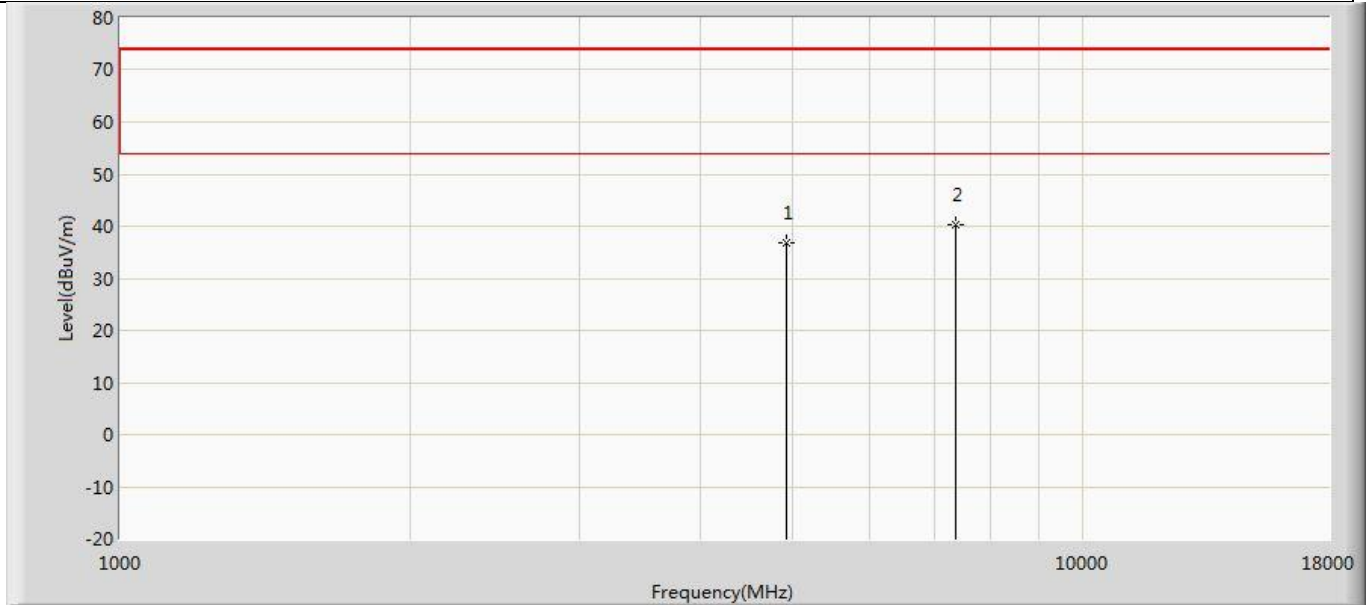
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4874.000       | 37.446                | 43.325              | -36.554        | 74.000        | -5.879     | PK   |
| 2  | *    | 7311.000       | 38.374                | 41.427              | -35.626        | 74.000        | -3.054     | PK   |

|                                                      |                          |
|------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                    | Page No.: 17             |
| Engineer: Neil                                       |                          |
| Site: AC5                                            | Time: 2021/01/19 - 19:38 |
| Limit: FCC_Part15.209_RE(3m)                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                   | Polarity: Horizontal     |
| EUT: AP510CX                                         | Power: PoE -48V          |
| Note: Mode 1 : Transmit at 2462MHz by 802.11n(20MHz) |                          |



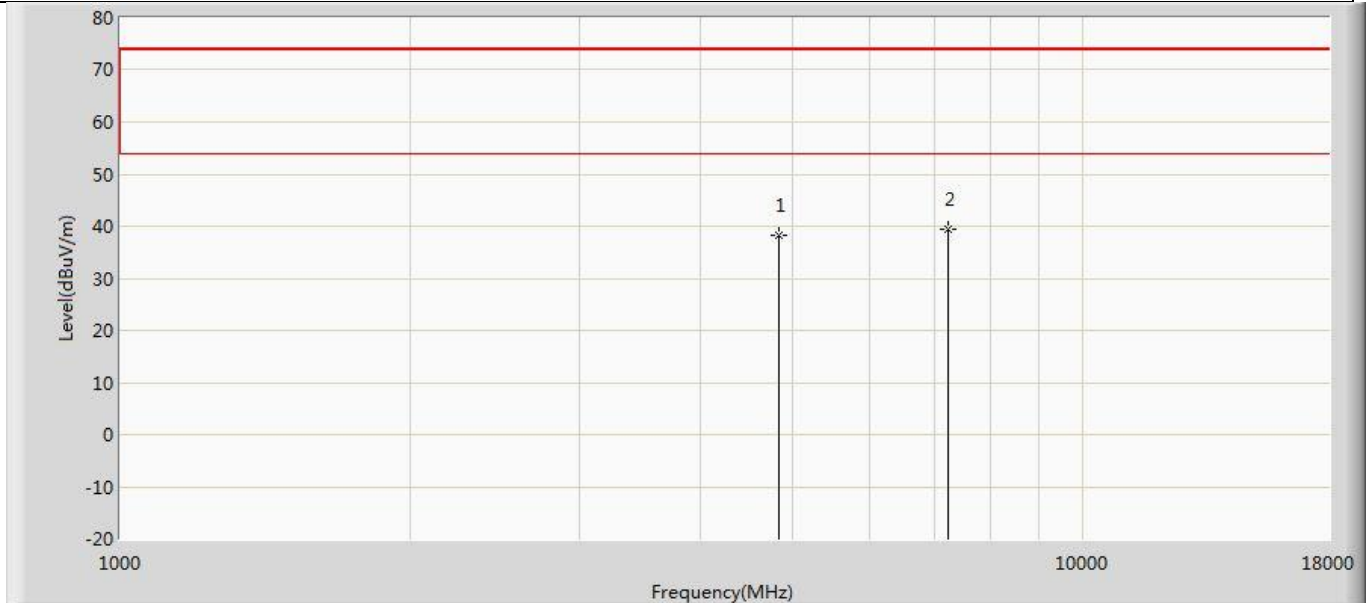
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4924.000       | 37.198                | 43.125              | -36.802        | 74.000        | -5.927     | PK   |
| 2  | *    | 7386.000       | 39.468                | 42.503              | -34.532        | 74.000        | -3.035     | PK   |

|                                                      |                          |
|------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                    | Page No.: 18             |
| Engineer: Neil                                       |                          |
| Site: AC5                                            | Time: 2021/01/19 - 19:38 |
| Limit: FCC_Part15.209_RE(3m)                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                   | Polarity: Vertical       |
| EUT: AP510CX                                         | Power: PoE -48V          |
| Note: Mode 1 : Transmit at 2462MHz by 802.11n(20MHz) |                          |



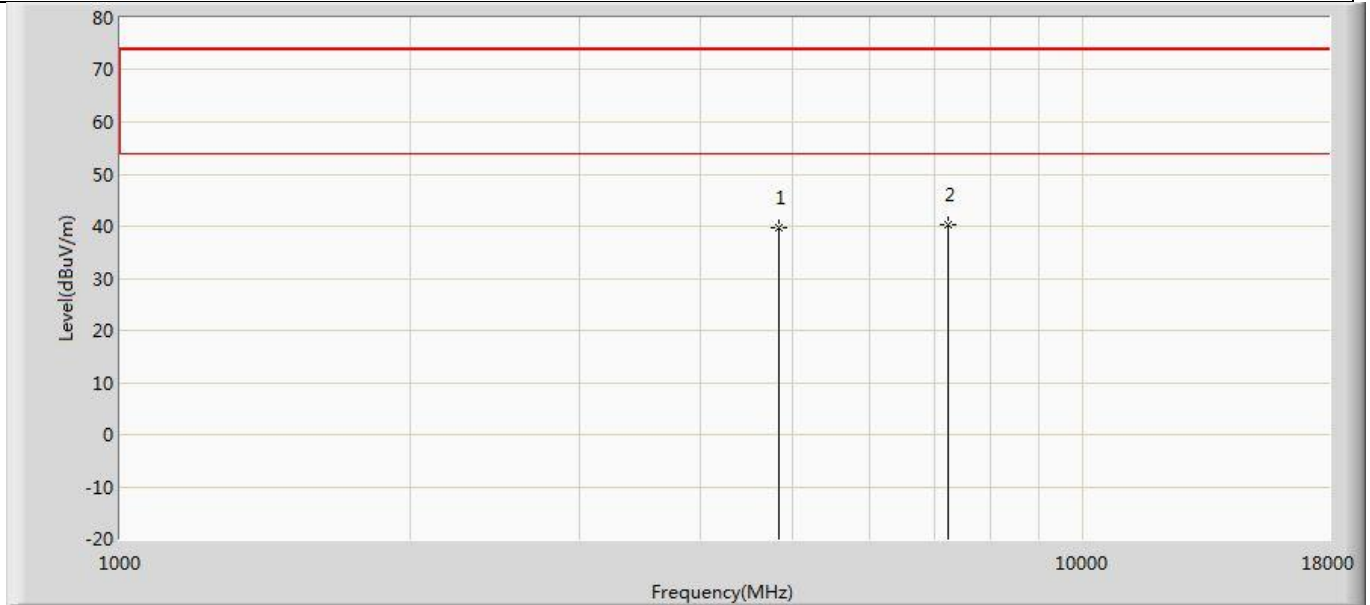
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4924.000       | 36.864                | 42.791              | -37.136        | 74.000        | -5.927     | PK   |
| 2  | *    | 7386.000       | 40.416                | 43.451              | -33.584        | 74.000        | -3.035     | PK   |

|                                                       |                          |
|-------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                     | Page No.: 19             |
| Engineer: Neil                                        |                          |
| Site: AC5                                             | Time: 2021/01/19 - 19:38 |
| Limit: FCC_Part15.209_RE(3m)                          | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                    | Polarity: Horizontal     |
| EUT: AP510CX                                          | Power: PoE -48V          |
| Note: Mode 2 : Transmit at 2412MHz by 802.11ax(20MHz) |                          |



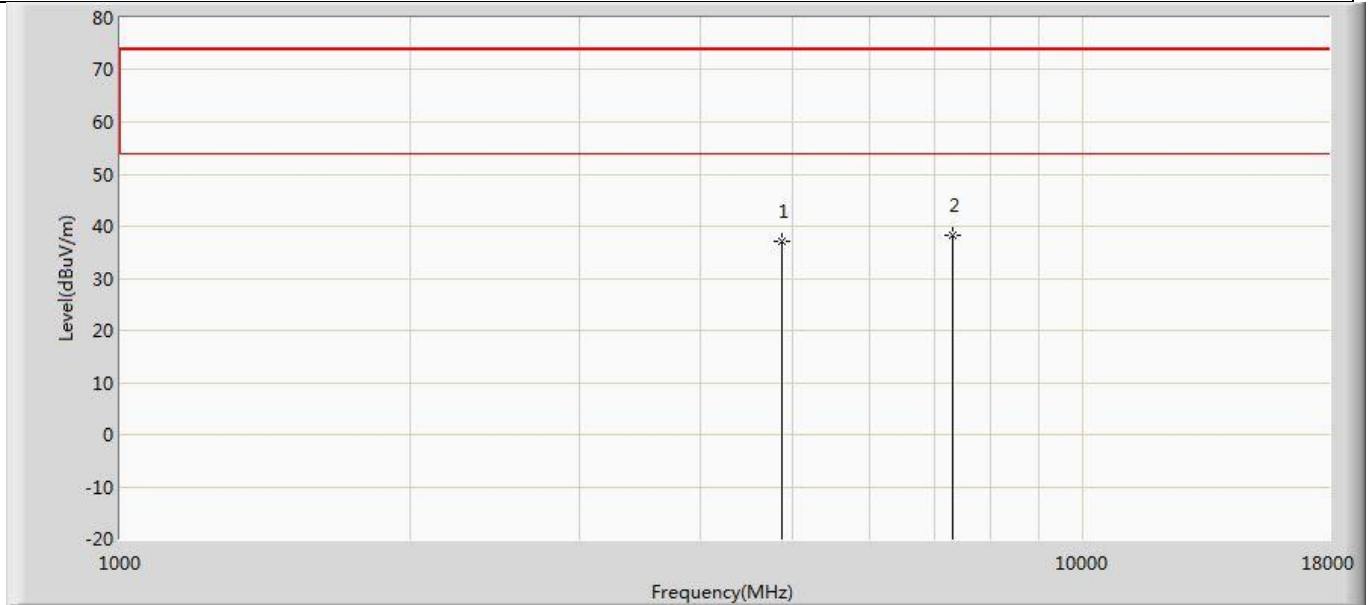
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4824.000       | 38.346                | 44.242              | -35.654        | 74.000        | -5.896     | PK   |
| 2  | *    | 7236.000       | 39.367                | 42.324              | -34.633        | 74.000        | -2.957     | PK   |

|                                                       |                          |
|-------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                     | Page No.: 20             |
| Engineer: Neil                                        |                          |
| Site: AC5                                             | Time: 2021/01/19 - 19:38 |
| Limit: FCC_Part15.209_RE(3m)                          | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                    | Polarity: Vertical       |
| EUT: AP510CX                                          | Power: PoE -48V          |
| Note: Mode 2 : Transmit at 2412MHz by 802.11ax(20MHz) |                          |



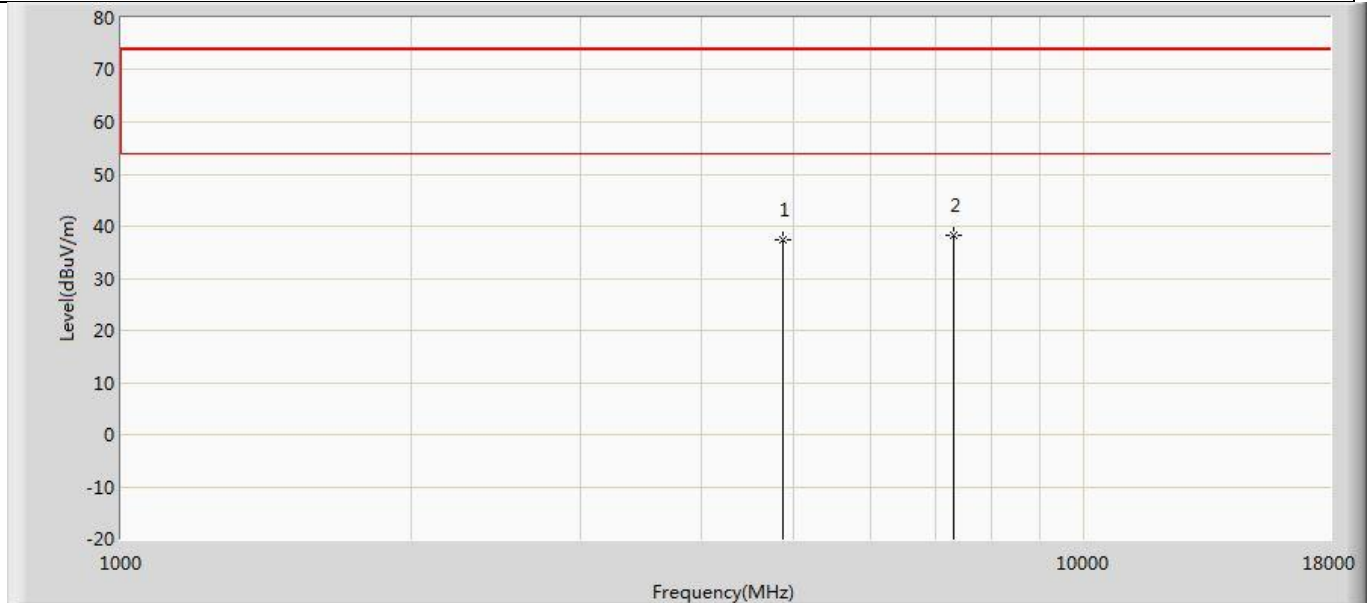
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4824.000       | 39.813                | 45.709              | -34.187        | 74.000        | -5.896     | PK   |
| 2  | *    | 7236.000       | 40.276                | 43.233              | -33.724        | 74.000        | -2.957     | PK   |

|                                                       |                          |
|-------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                     | Page No.: 21             |
| Engineer: Neil                                        |                          |
| Site: AC5                                             | Time: 2021/01/19 - 19:39 |
| Limit: FCC_Part15.209_RE(3m)                          | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                    | Polarity: Horizontal     |
| EUT: AP510CX                                          | Power: PoE -48V          |
| Note: Mode 2 : Transmit at 2437MHz by 802.11ax(20MHz) |                          |



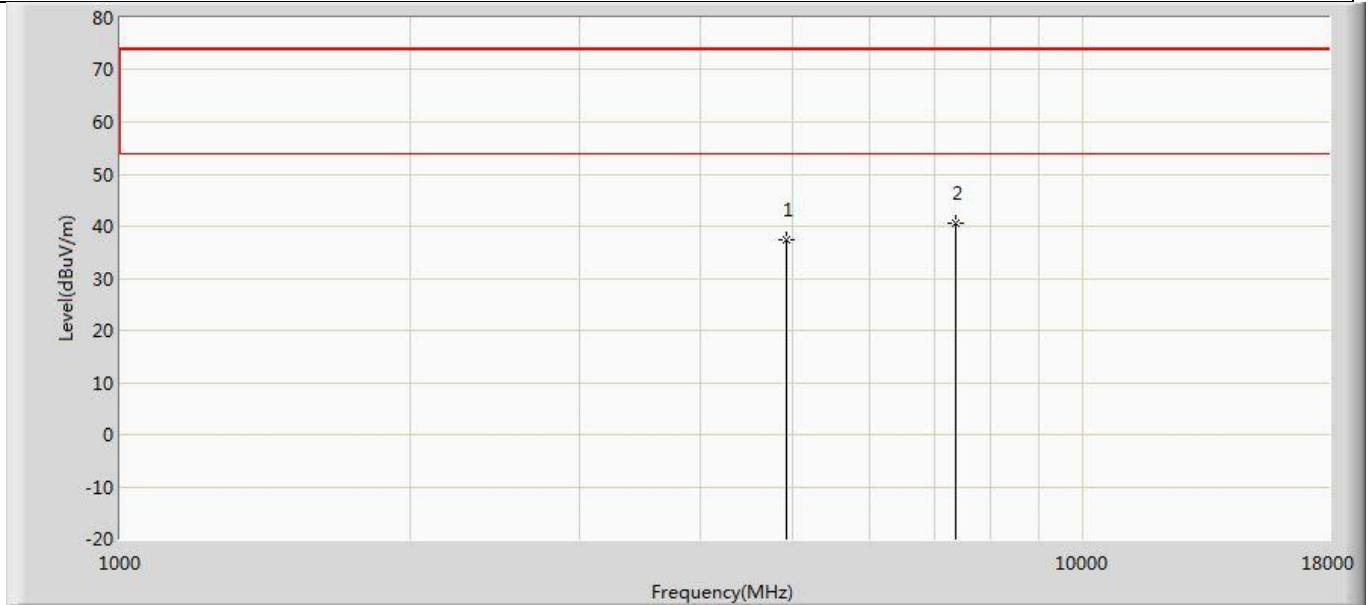
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4874.000       | 37.134                | 43.013              | -36.866        | 74.000        | -5.879     | PK   |
| 2  | *    | 7311.000       | 38.367                | 41.420              | -35.633        | 74.000        | -3.054     | PK   |

|                                                       |                          |
|-------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                     | Page No.: 22             |
| Engineer: Neil                                        |                          |
| Site: AC5                                             | Time: 2021/01/19 - 19:39 |
| Limit: FCC_Part15.209_RE(3m)                          | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                    | Polarity: Vertical       |
| EUT: AP510CX                                          | Power: PoE -48V          |
| Note: Mode 2 : Transmit at 2437MHz by 802.11ax(20MHz) |                          |



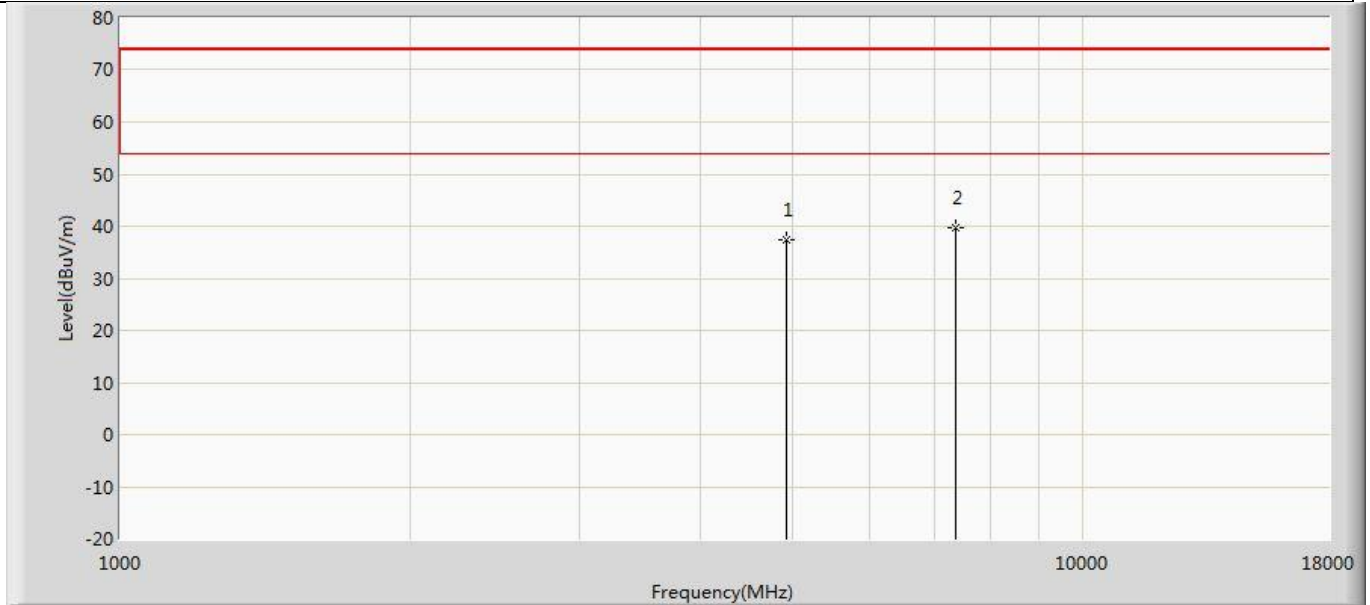
| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4874.000       | 37.512                | 43.391              | -36.488        | 74.000        | -5.879     | PK   |
| 2  | *    | 7311.000       | 38.341                | 41.394              | -35.659        | 74.000        | -3.054     | PK   |

|                                                       |                          |
|-------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                     | Page No.: 23             |
| Engineer: Neil                                        |                          |
| Site: AC5                                             | Time: 2021/01/19 - 19:39 |
| Limit: FCC_Part15.209_RE(3m)                          | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                    | Polarity: Horizontal     |
| EUT: AP510CX                                          | Power: PoE -48V          |
| Note: Mode 2 : Transmit at 2462MHz by 802.11ax(20MHz) |                          |



| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4924.000       | 37.342                | 43.269              | -36.658        | 74.000        | -5.927     | PK   |
| 2  | *    | 7386.000       | 40.556                | 43.591              | -33.444        | 74.000        | -3.035     | PK   |

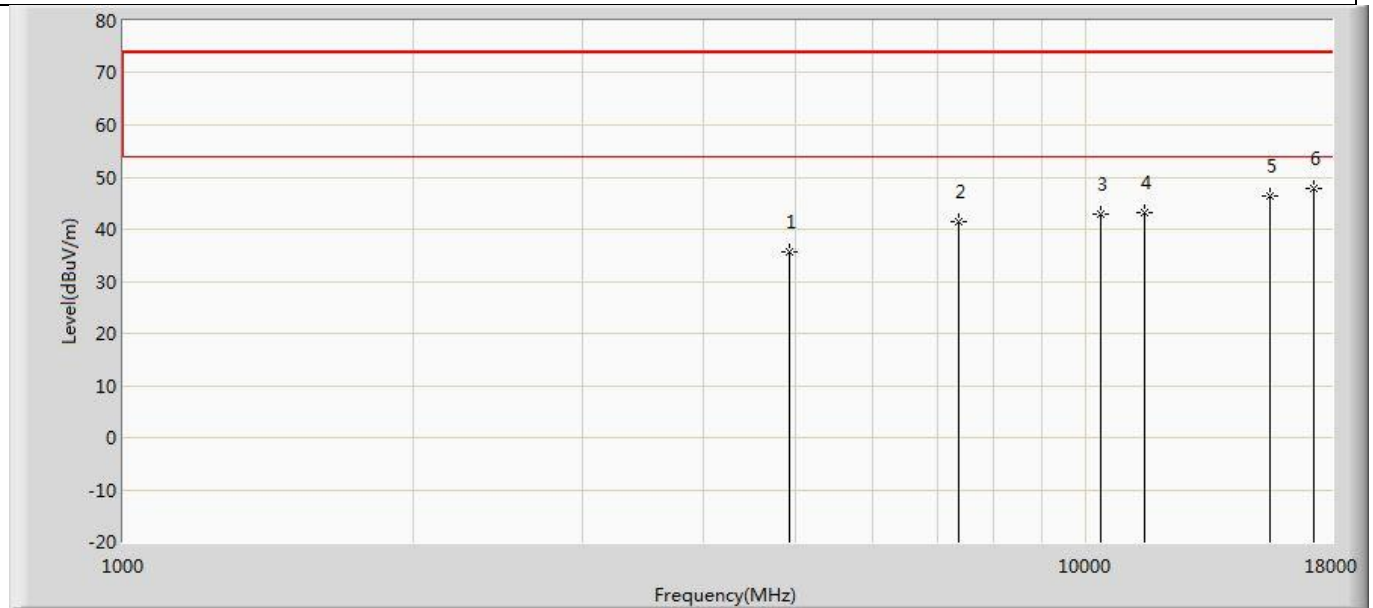
|                                                       |                          |
|-------------------------------------------------------|--------------------------|
| Profile: 20B0117R                                     | Page No.: 24             |
| Engineer: Neil                                        |                          |
| Site: AC5                                             | Time: 2021/01/19 - 19:39 |
| Limit: FCC_Part15.209_RE(3m)                          | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                    | Polarity: Vertical       |
| EUT: AP510CX                                          | Power: PoE -48V          |
| Note: Mode 2 : Transmit at 2462MHz by 802.11ax(20MHz) |                          |



| No | Mark | Frequency(MHz) | Measure Level(dBuV/m) | Reading Level(dBuV) | Over Limit(dB) | Limit(dBuV/m) | Factor(dB) | Type |
|----|------|----------------|-----------------------|---------------------|----------------|---------------|------------|------|
| 1  |      | 4924.000       | 37.347                | 43.274              | -36.653        | 74.000        | -5.927     | PK   |
| 2  | *    | 7386.000       | 39.826                | 42.861              | -34.174        | 74.000        | -3.035     | PK   |

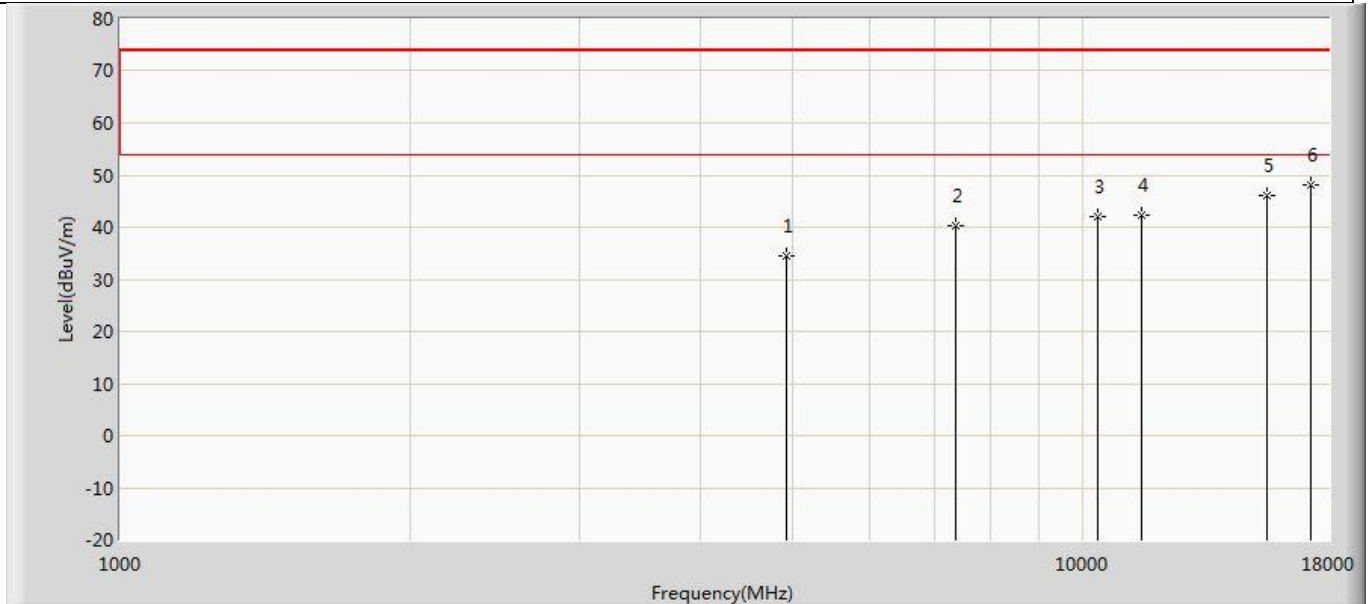
**The worst case of simultaneous transmission:**

|                                          |                          |
|------------------------------------------|--------------------------|
| Profile: 20B0117R                        | Page No.: 3              |
| Engineer: Neil                           |                          |
| Site: AC5                                | Time: 2021/01/24 - 17:51 |
| Limit: FCC_Part15.209_RE(3m)             | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)       | Polarity: Horizontal     |
| EUT: AP510CX                             | Power: PoE -48V          |
| Note: Mode 5 : Simultaneous transmission |                          |



| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 4924.000        | 35.543                 | 41.470               | -38.457         | 74.000         | -5.927      | PK   |
| 2  |      | 7386.000        | 41.406                 | 44.441               | -32.594         | 74.000         | -3.035      | PK   |
| 3  |      | 10360.000       | 42.764                 | 41.903               | -31.236         | 74.000         | 0.860       | PK   |
| 4  |      | 11510.000       | 43.145                 | 39.461               | -30.855         | 74.000         | 3.684       | PK   |
| 5  |      | 15540.000       | 46.248                 | 39.610               | -27.752         | 74.000         | 6.637       | PK   |
| 6  | *    | 17265.000       | 47.866                 | 38.882               | -26.134         | 74.000         | 8.984       | PK   |

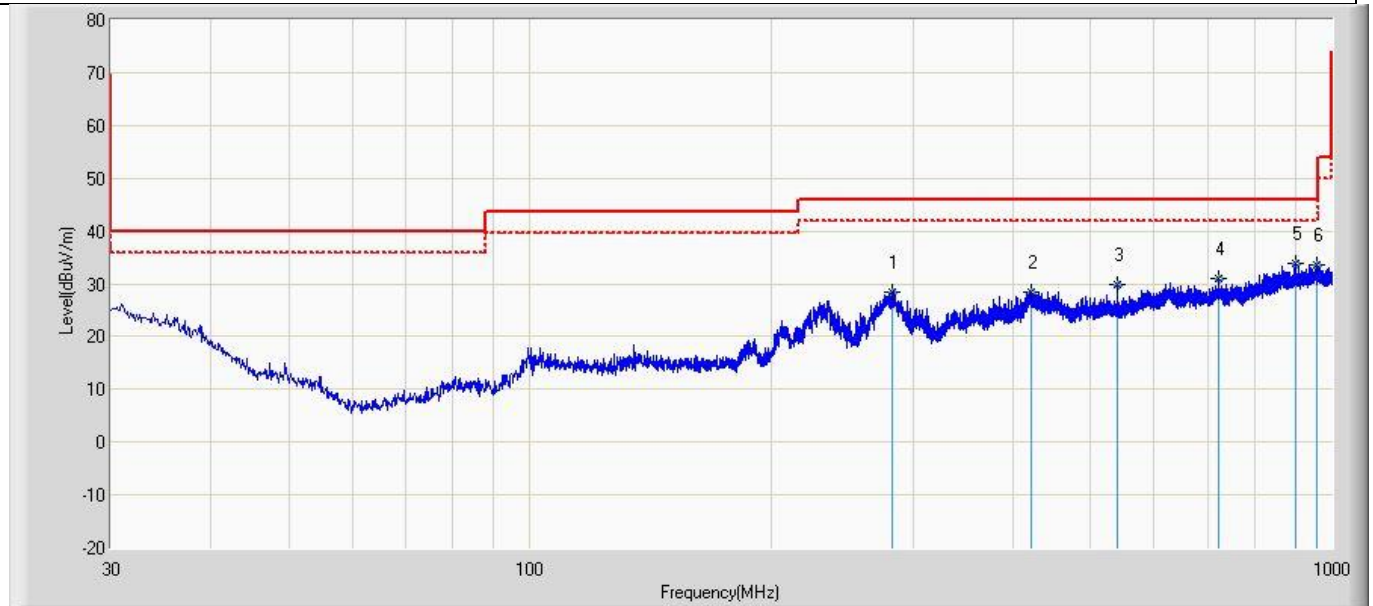
|                                          |                          |
|------------------------------------------|--------------------------|
| Profile: 20B0117R                        | Page No.: 4              |
| Engineer: Neil                           |                          |
| Site: AC5                                | Time: 2021/01/24 - 17:51 |
| Limit: FCC_Part15.209_RE(3m)             | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)       | Polarity: Vertical       |
| EUT: AP510CX                             | Power: PoE -48V          |
| Note: Mode 5 : Simultaneous transmission |                          |



| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 4924.000        | 34.617                 | 40.544               | -39.383         | 74.000         | -5.927      | PK   |
| 2  |      | 7386.000        | 40.189                 | 43.224               | -33.811         | 74.000         | -3.035      | PK   |
| 3  |      | 10360.000       | 41.901                 | 41.040               | -32.099         | 74.000         | 0.860       | PK   |
| 4  |      | 11510.000       | 42.199                 | 38.515               | -31.801         | 74.000         | 3.684       | PK   |
| 5  |      | 15540.000       | 45.982                 | 39.344               | -28.018         | 74.000         | 6.637       | PK   |
| 6  | *    | 17265.000       | 48.224                 | 39.240               | -25.776         | 74.000         | 8.984       | PK   |

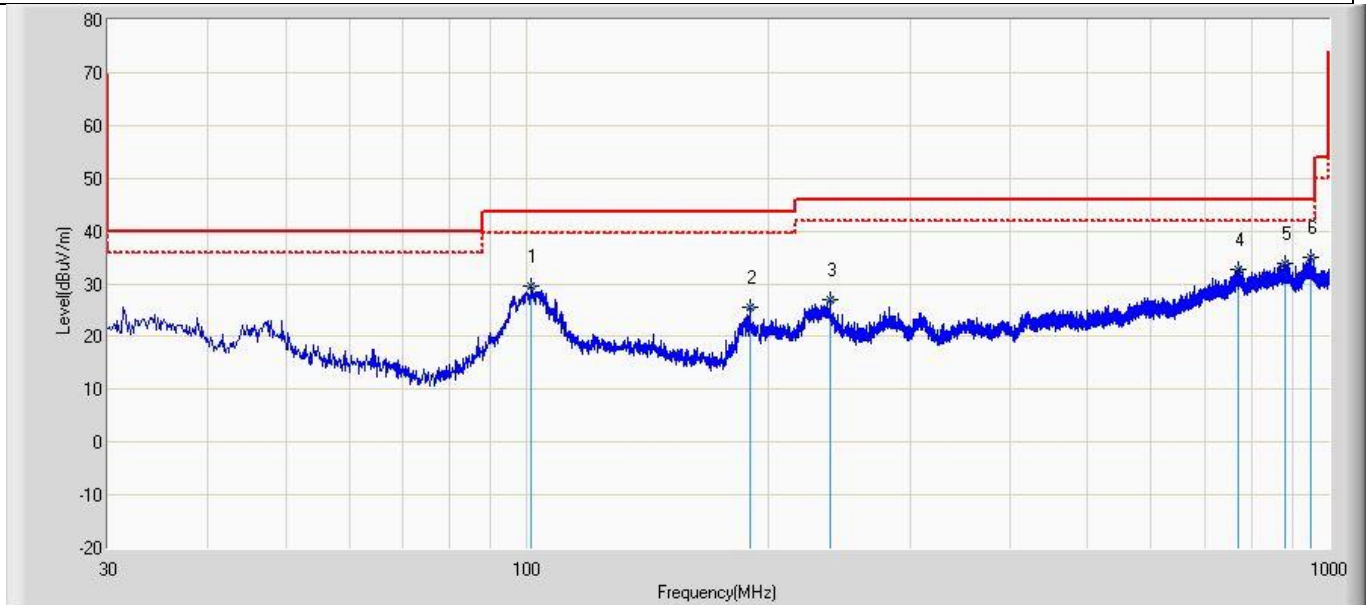
**The worst case of Radiated Emission below 1GHz:**

|                              |                          |
|------------------------------|--------------------------|
| Profile: 20B0117R            | Page No.: 12             |
| Engineer: Yingfei.Wang       |                          |
| Site: AC3                    | Time: 2021/01/24 - 18:44 |
| Limit: FCC_Part15.209_RE(3m) | Margin: 4                |
| Probe: AC3_3m (30-1000MHz)   | Polarity: Horizontal     |
| EUT: AP510CX                 | Power: PoE -48V          |
| Note: Mode 1                 |                          |



| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 282.321         | 28.498                 | 7.704                | -18.502         | 47.000         | 20.794      | QP   |
| 2  |      | 422.001         | 28.365                 | 1.209                | -18.635         | 47.000         | 27.156      | QP   |
| 3  |      | 539.129         | 29.946                 | 3.622                | -17.054         | 47.000         | 26.324      | QP   |
| 4  |      | 723.065         | 31.106                 | 1.705                | -15.894         | 47.000         | 29.402      | QP   |
| 5  | *    | 902.636         | 33.894                 | 1.994                | -13.106         | 47.000         | 31.899      | QP   |
| 6  |      | 958.654         | 33.471                 | 0.832                | -13.529         | 47.000         | 32.639      | QP   |

|                              |                          |
|------------------------------|--------------------------|
| Profile: 20B0117R            | Page No.: 13             |
| Engineer: Yingfei.Wang       |                          |
| Site: AC3                    | Time: 2021/01/24 - 18:46 |
| Limit: FCC_Part15.209_RE(3m) | Margin: 4                |
| Probe: AC3_3m (30-1000MHz)   | Polarity: Vertical       |
| EUT: AP510CX                 | Power: PoE -48V          |
| Note: Mode 1                 |                          |



| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  | *    | 101.174         | 29.639                 | 7.621                | -10.361         | 40.000         | 22.018      | QP   |
| 2  |      | 189.322         | 25.432                 | 4.392                | -14.568         | 40.000         | 21.039      | QP   |
| 3  |      | 238.671         | 26.964                 | 3.922                | -20.036         | 47.000         | 23.042      | QP   |
| 4  |      | 770.110         | 32.650                 | 0.390                | -14.350         | 47.000         | 32.260      | QP   |
| 5  |      | 879.841         | 34.002                 | 1.312                | -12.998         | 47.000         | 32.690      | QP   |
| 6  |      | 948.347         | 35.151                 | 0.245                | -11.849         | 47.000         | 34.906      | QP   |

Note:

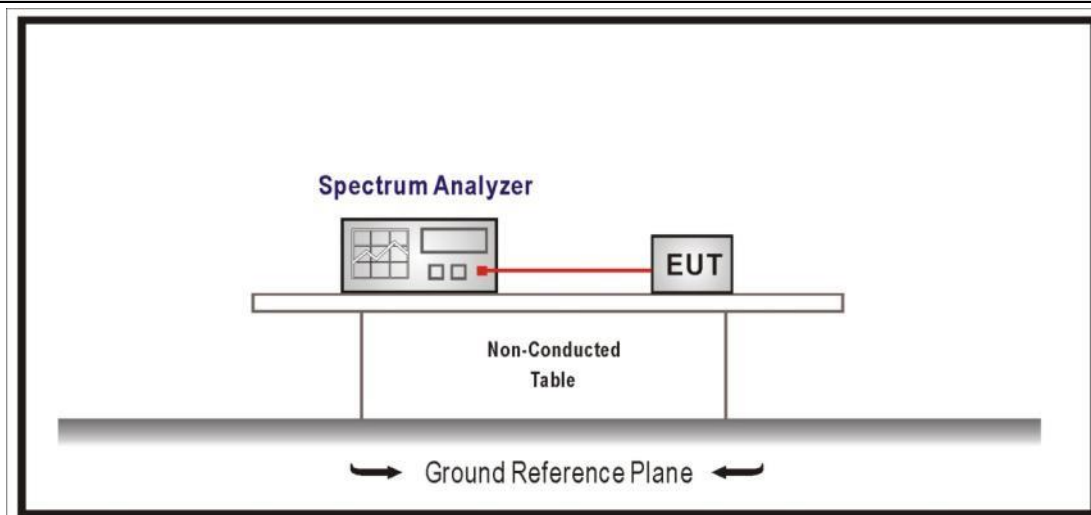
1. " \* ", means this data is the worst emission level.
2. Measurement Level = Reading Level + Factor(Probe+Cable-Amp).
3. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.

**4.3 Emissions in non-restricted frequency band****VERDICT:** N/A**4.3.1 Limit**

| Standard                            | FCC Part 15 Subpart C Paragraph 15.247(d) |  |
|-------------------------------------|-------------------------------------------|--|
| RF Output power (Detection methods) | Limit(dB)                                 |  |
| RF Output power(Average detector)   | 30dBc(Note1)                              |  |
| RF Output power(PK detector)        | 20dBc(Note2)                              |  |

Note 1: If maximum conducted (average) output power was used to demonstrate compliance as described in 9.2, then the peak power in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 30 dB relative to the maximum in-band peak PSD level in 100 kHz (i.e., 30 dBc).

Note 2: If the maximum peak conducted output power procedure was used, then the peak output power measured in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz (i.e., 20 dBc).

**4.3.2 Test Setup****4.3.3 Test Procedure**

| References Rule                                 | Chapter | Description                                 |
|-------------------------------------------------|---------|---------------------------------------------|
| <input checked="" type="checkbox"/> ANSI C63.10 | 11.11   | Emissions in non-restricted frequency bands |
| <input checked="" type="checkbox"/> ANSI C63.10 | 11.11.1 | General                                     |
| <input checked="" type="checkbox"/> ANSI C63.10 | 11.11.2 | Reference level measurement                 |
| <input checked="" type="checkbox"/> ANSI C63.10 | 11.11.3 | Emission level measurement                  |

| 4.3.4 Test Data |
|-----------------|
| N/A             |

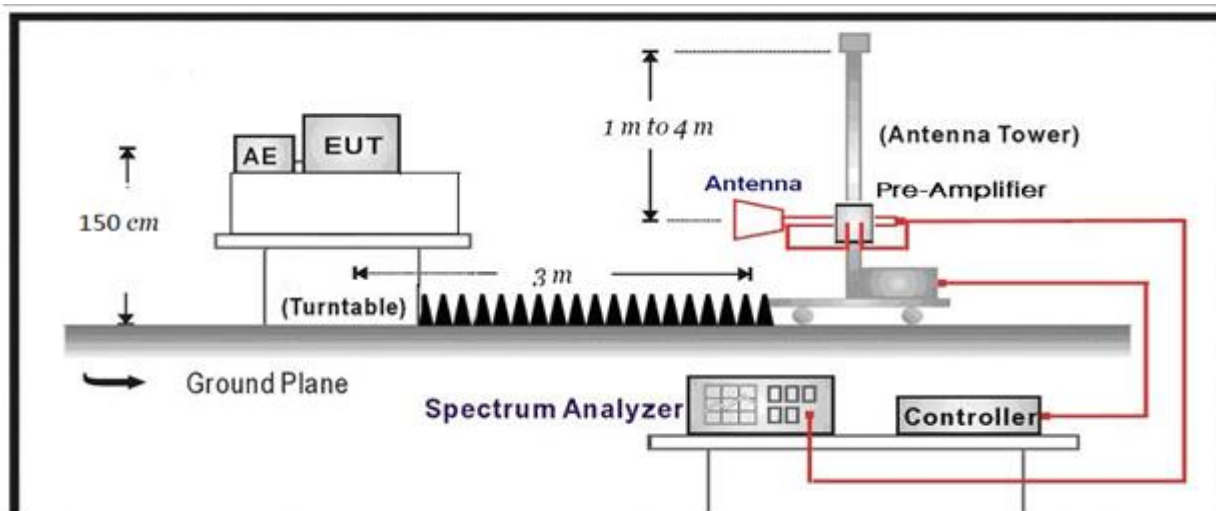
**4.4 Radiated Emission Band Edge****VERDICT: PASS****4.4.1 Limit**

| Standard              |          | FCC Part 15 Subpart C Paragraph 15.247(d) , 15.205, 15.209 |           |              |
|-----------------------|----------|------------------------------------------------------------|-----------|--------------|
| Frequency bands (MHz) | Detector | Limit (dB $\mu$ V/m)                                       | RBW (MHz) | Distance (m) |
| 2310-2390             | PK       | 74                                                         | 1         | 3            |
| 2483.5-2500           | AV       | 54                                                         | 1         | 3            |

Note: The field strength of emissions appearing within these frequency bands shall not exceed the limits.

**4.4.2 Test Setup**

Above 1GHz Test Setup:



#### 4.4.3 Test Procedure

|                                     | References Rule                     |                          | Chapter     | Description                                                                                      |                                                                                                    |
|-------------------------------------|-------------------------------------|--------------------------|-------------|--------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> | ANSI C63.10                         |                          | 6.10        | Band-edge testing                                                                                |                                                                                                    |
|                                     | <input checked="" type="checkbox"/> | ANSI C63.10              | 6.10.5      | Restricted-band band-edge measurements                                                           |                                                                                                    |
|                                     | <input type="checkbox"/>            | ANSI C63.10              | 6.10.6      | Marker-delta method                                                                              |                                                                                                    |
| <input checked="" type="checkbox"/> | ANSI C63.10                         |                          | 11.12       | Emissions in restricted frequency bands                                                          |                                                                                                    |
|                                     | <input checked="" type="checkbox"/> | ANSI C63.10              | 11.12.1     | Radiated emission measurements                                                                   |                                                                                                    |
|                                     | <input checked="" type="checkbox"/> | ANSI C63.10              | 6.3         | Radiated spurious emission test                                                                  |                                                                                                    |
| <input type="checkbox"/>            | ANSI C63.10                         |                          | 6.4         | Radiated emissions from unlicensed wireless devices below 30 MHz                                 |                                                                                                    |
| <input type="checkbox"/>            | ANSI C63.10                         |                          | 6.5         | Radiated emissions from unlicensed wireless devices in the frequency range of 30 MHz to 1000 MHz |                                                                                                    |
| <input checked="" type="checkbox"/> | ANSI C63.10                         |                          | 6.6         | Radiated emissions from unlicensed wireless devices above 1 GHz                                  |                                                                                                    |
|                                     | <input type="checkbox"/>            | ANSI C63.10              | 11.12.2     | Antenna-port conducted measurements                                                              |                                                                                                    |
|                                     |                                     | <input type="checkbox"/> | ANSI C63.10 | 11.12.2.3                                                                                        | Quasi-peak measurement procedure                                                                   |
|                                     |                                     | <input type="checkbox"/> | ANSI C63.10 | 11.12.2.4                                                                                        | Peak power measurement procedure                                                                   |
|                                     |                                     | <input type="checkbox"/> | ANSI C63.10 | 11.12.2.5                                                                                        | Average power measurement procedures                                                               |
|                                     |                                     | <input type="checkbox"/> | ANSI C63.10 | 11.12.2.5.1                                                                                      | Trace averaging with continuous EUT transmission at full power                                     |
|                                     |                                     | <input type="checkbox"/> | ANSI C63.10 | 11.12.2.5.2                                                                                      | Trace averaging across ON and OFF times of the EUT transmissions followed by duty cycle correction |
|                                     |                                     | <input type="checkbox"/> | ANSI C63.10 | 11.12.2.5.3                                                                                      | Reduced VBW averaging across ON and OFF times of the EUT transmissions with max hold               |

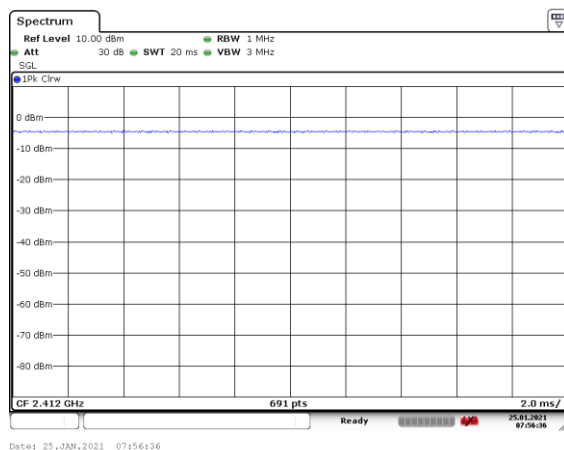
#### 4.4.4 Test Data

| Test Mode | Tx On (ms) | VBW (kHz) | Tx On + Tx Off (ms) | Duty Cycle |
|-----------|------------|-----------|---------------------|------------|
| 1         | --         | 0.01      | 00                  | 100%       |
| 2         | 2.00       | 0.01      | 2.02                | 98.92%     |
| 3         | 0.50       | 2.00      | 0.52                | 95.03%     |
| 4         | 0.42       | 3.00      | 0.44                | 93.48%     |

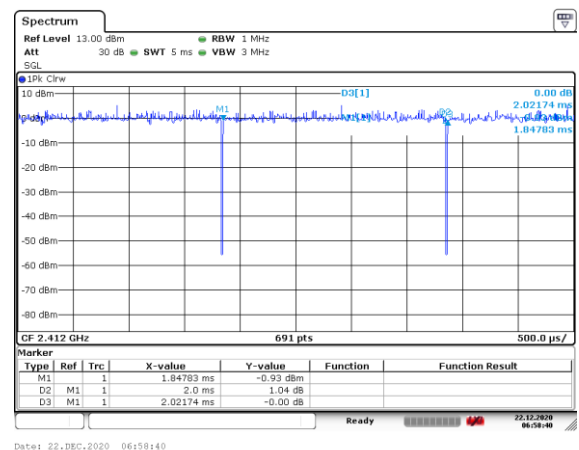
Note 1: T means the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.

Note 2: According to KDB 558074, when test for Radiated Emission Band Edge and Radiated Emission, for average detector set:  $VBW \geq 1/T$  will be used.

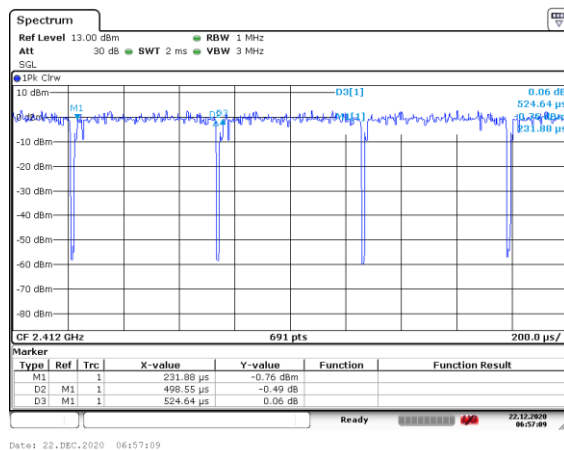
802.11b



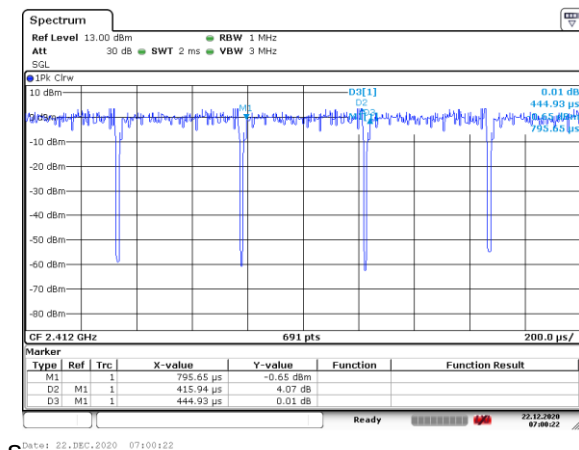
802.11g



802.11n(20MHz)

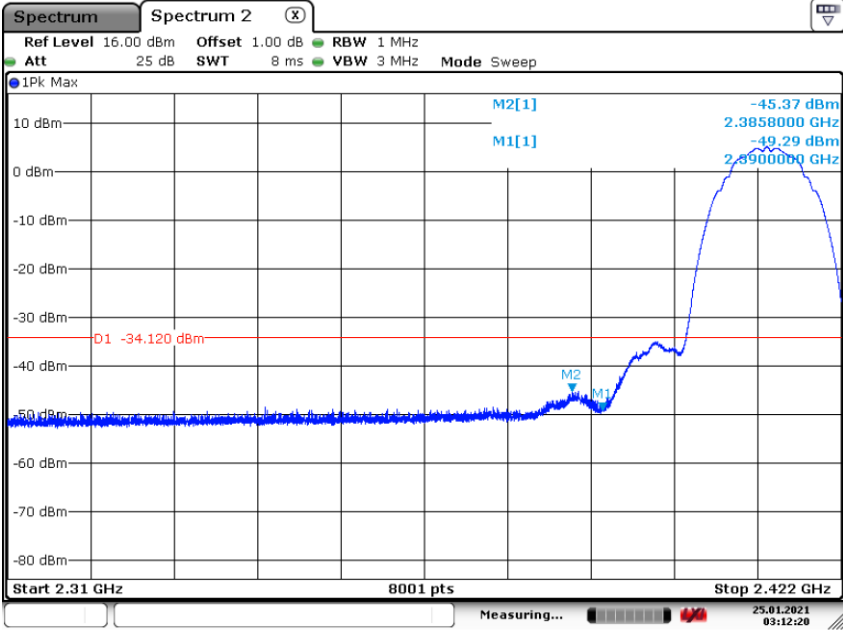


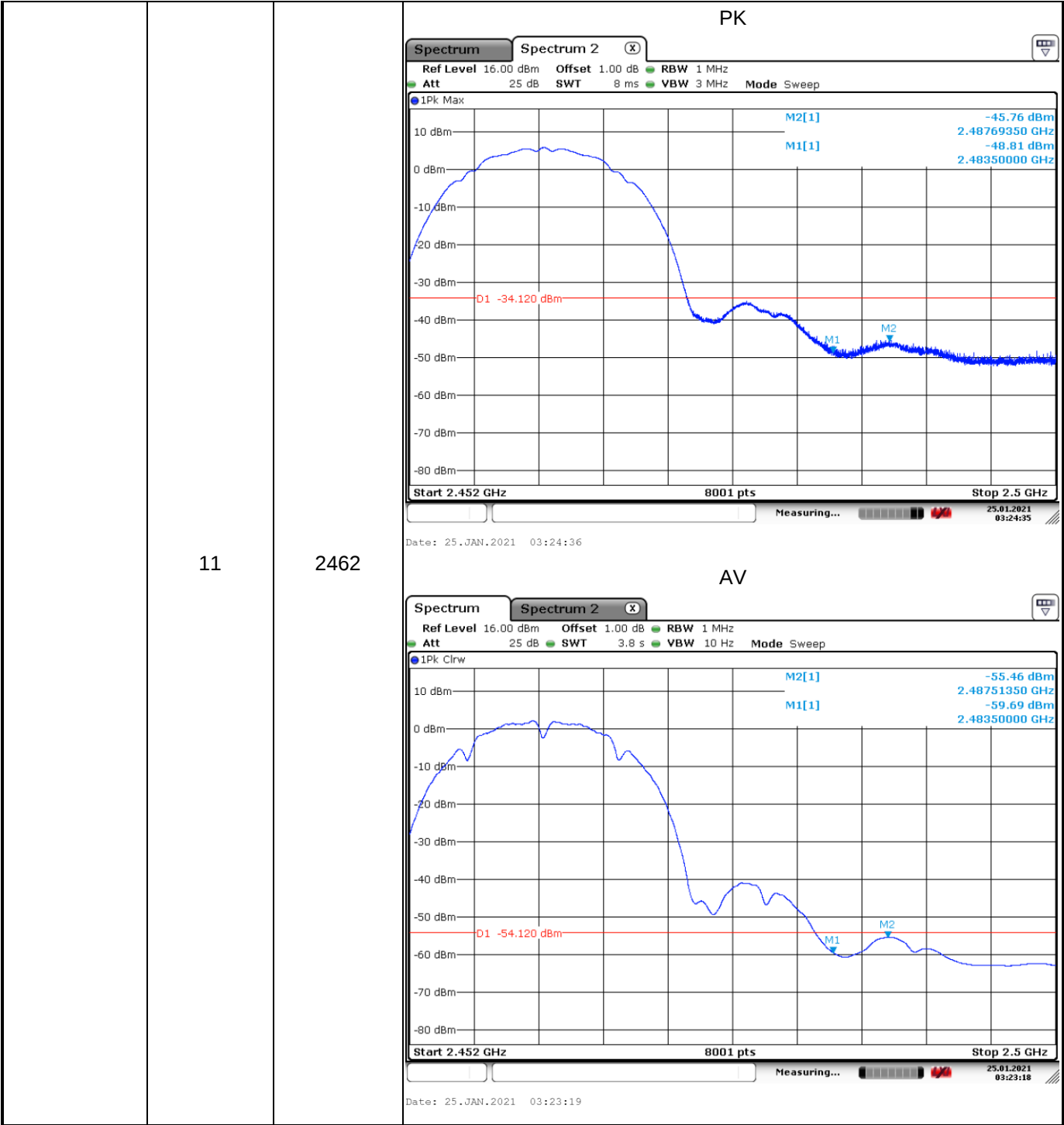
802.11ax(20MHz)

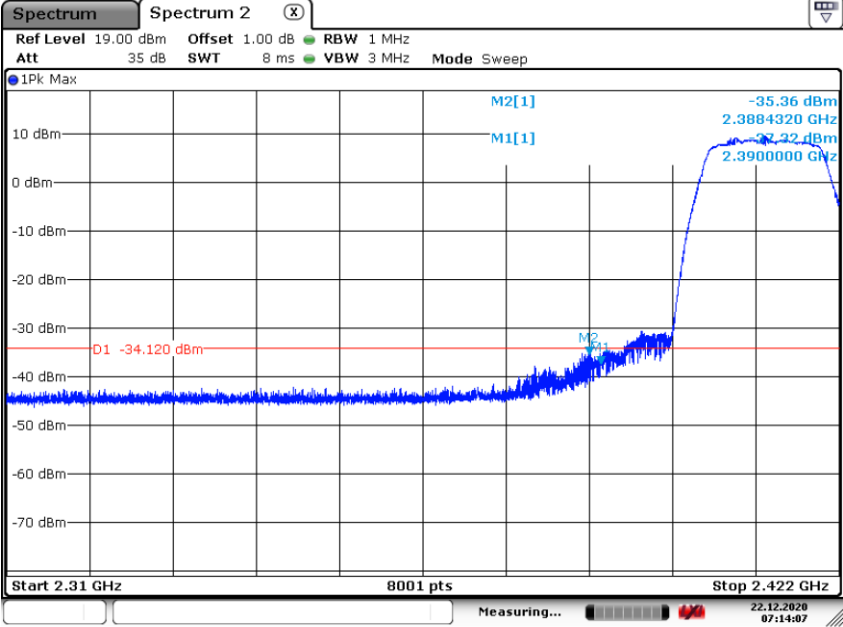
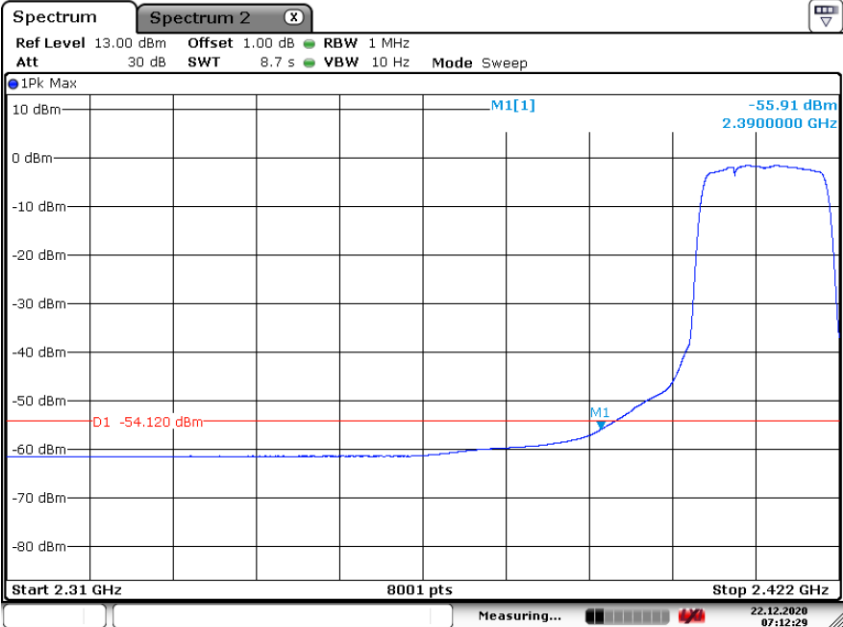


S

## CDD 2TX

| Mode | Channel | Test Frequency (MHz) | Test Plot                                                                                                                                                                                    |
|------|---------|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1    | 1       | 2412                 | <p>PK</p>  <p>AV</p>  |



| CDD 2TX |         |                      |                                                                                                                                                     |
|---------|---------|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Mode    | Channel | Test Frequency (MHz) | Test Plot                                                                                                                                           |
| 2       | 1       | 2412                 | <div>PK</div> <div></div> <div>Date: 22.DEC.2020 07:14:07</div>  |
|         |         |                      | <div>AV</div> <div></div> <div>Date: 22.DEC.2020 07:12:29</div> |

