DEKRA Testing and Certification (Suzhou) Co., Ltd.
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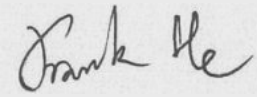
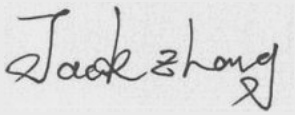
Test report No:
20B0117R-RF-US-P06V01

FCC TEST REPORT

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

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page

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.

IMPORTANT: No parts of this report may be reproduced or quoted out of context, in any form or by any means, except in full, without the previous written permission of DEKRA.

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.
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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. (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. (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 Anlyzer	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	EMC184045SE	980263	2020.05.06	2021.05.05
DRG Horn	ETS-Lindgren	3117	00123988	2020.09.21	2021.09.20
Temperature/Humidity Meter	RTS	RTS-8S	AC5-TH	2020.08.13	2021.08.12
Coaxial Cable	Huber+Suhner	SUCOFLEX 106	AC5-C1	2020.03.02	2021.03.01
Coaxial Cable	Huber+Suhner	SUCOFLEX 106	AC5-C2	2020.03.02	2021.03.01
Coaxial Cable	Huber+Suhner	SUCOFLEX 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	± 2.92 dB
Peak Power Output	± 1.13 dB
Radiated Emission(30MHz~1GHz)	Horizontal: 30MHz~200MHz: 4.60 dB 200MHz~1GHz: 4.10 dB Vertical: 30MHz~200MHz: 4.80 dB 200MHz~1GHz: 4.10 dB
Radiated Emission(1GHz~40GHz)	Horizontal: 1GHz~18GHz: 5.00 dB Vertical: 1GHz~18GHz: 4.80 dB Horizontal: 18GHz~40GHz: 4.70 dB Vertical: 18GHz~40GHz: 4.60 dB
RF antenna conducted test	± 1.13 dB
Radiated Emission Band Edge	± 5.00 dB
DTS Bandwidth	± 279 Hz
Occupied Bandwidth	± 279 Hz
Power Density	± 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 specifiction .....:	WIFI	
Operating frequency range(s).....:	2412~2462 MHz	
Type of modulation .....:	DSSS: BPSK,QPSK,CCK 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	
	802.11g: 6/9/12/18/24/36/48/54 Mbps	
	802.11n: up to 288.8 Mbps	
	802.11ax: up to 572 Mbps	
Device category .....:	☐	Fixed point-to-point
	☐	Emit multiple directional beams, simultaneously or sequentially
	☒	Other cases

Rated power supply.....:	Voltage and Frequency	
	☐	AC: 220 - 240 V, 50/60 Hz
	☐	AC: 100 - 240 V, 50/60 Hz
	☐	DC: 12 V
	☐	Battery:
	☒	PoE -48 V
Mounting position.....:	☒	Table top equipment
	☒	Wall/Ceiling mounted equipment
	☐	Floor standing equipment
	☐	Hand-held equipment
	☐	Other: ……

1.2 Antenna Information

Antenna model / type number.....:	Dipole Antenna: AI-DQ04360S Sector Antenna: ML-2452-SEC6M4-036			
Antenna serial number.....:	N/A			
Antenna Delivery .....:	☒	1TX + 1RX		
	☒	2TX + 2RX		
	☒	3TX + 3RX		
	☒	4TX + 4RX		
	☐	Others:……		
Antenna technology.....:	☒	SISO		
	☒	MIMO	☐	Basic
			☒	CDD
			☐	Sectorized
			☒	Beam-forming
Antenna Type .....:	☒	External	☒	Dipole
			☒	Sector
			☐	Sectorized
	☐	Internal	☐	PIFA
			☐	PCB
			☐	Metal Antenna
Antenna Type .....:	Dipole Antenna： AI-DQ04360S		Sector Antenna: 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 streames	MCS Index	Modulation	Coding 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 (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	☒	☐
Ethernet port to serial port cable + Serial port to USB port cable	N/A	10	☒	☐
			☐	☐
			☐	☐
			☐	☐

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

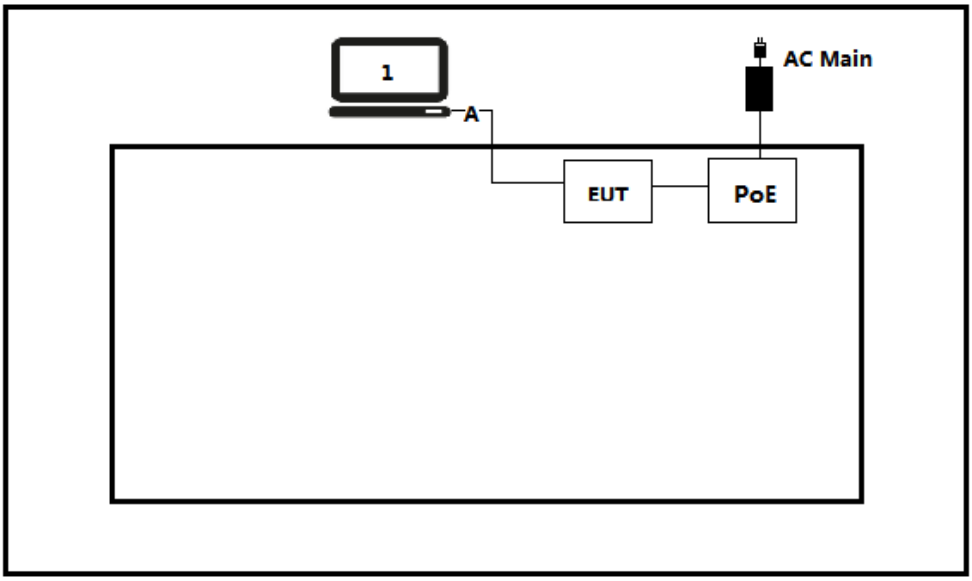
The EUT has been tested with the following auxiliary equipment / unit / software:

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

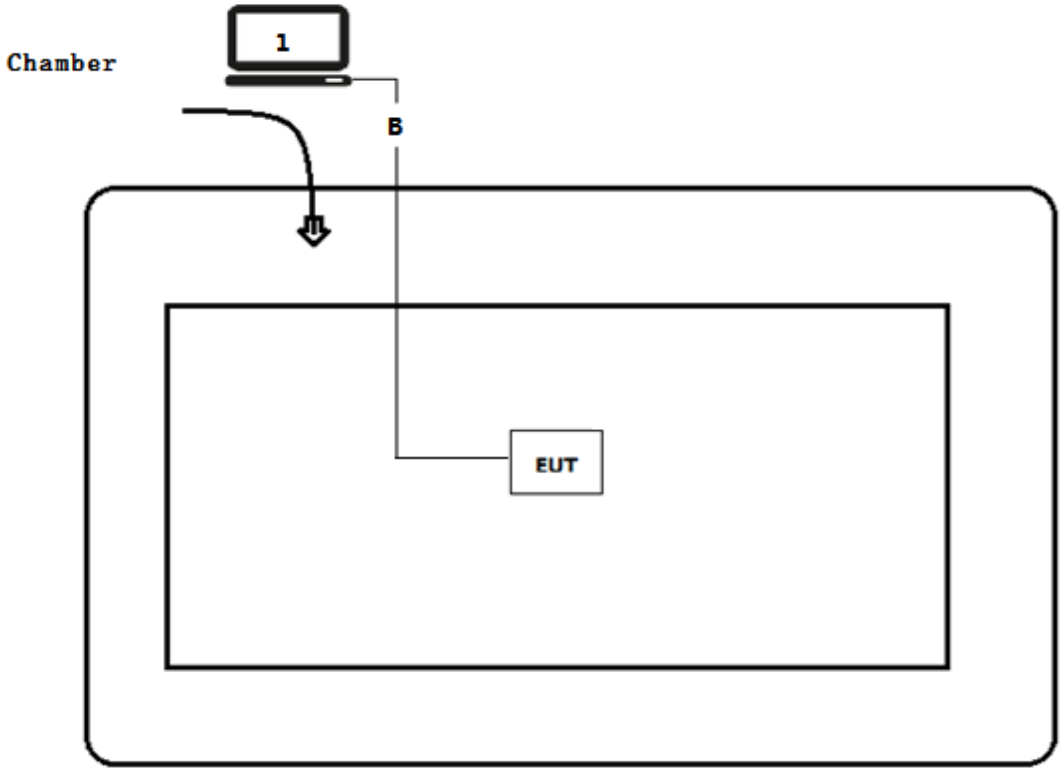
2.4 Test Configuration / Block diagram used for tests

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

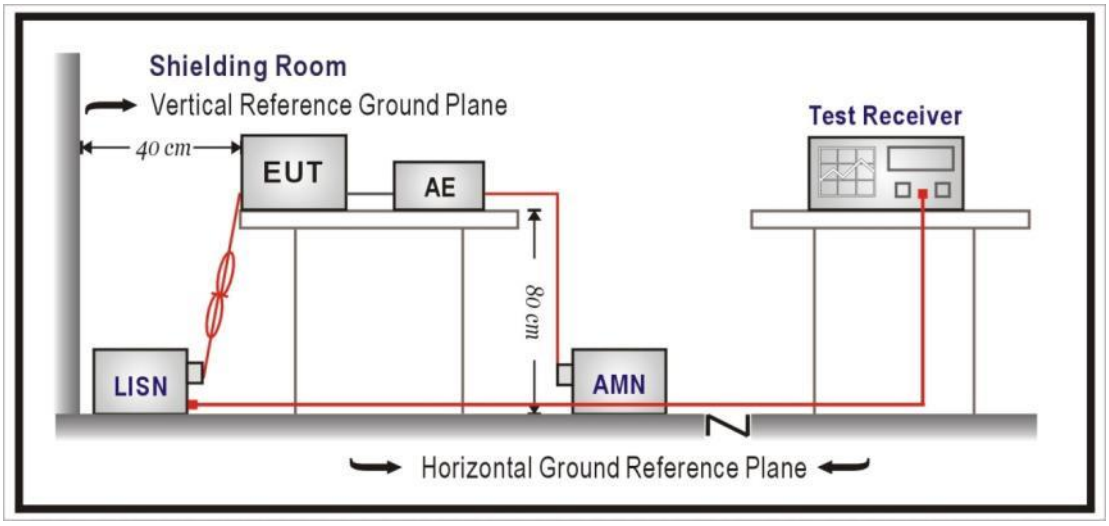
4.1 AC Power Line Conducted Emission	VERDICT: PASS

4.1.1 Limit

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

[1)] At the transition frequency, the lower limit applies.
[2)] The limit decreases linearly with the logarithm of the frequency.

4.1.2 Test Setup

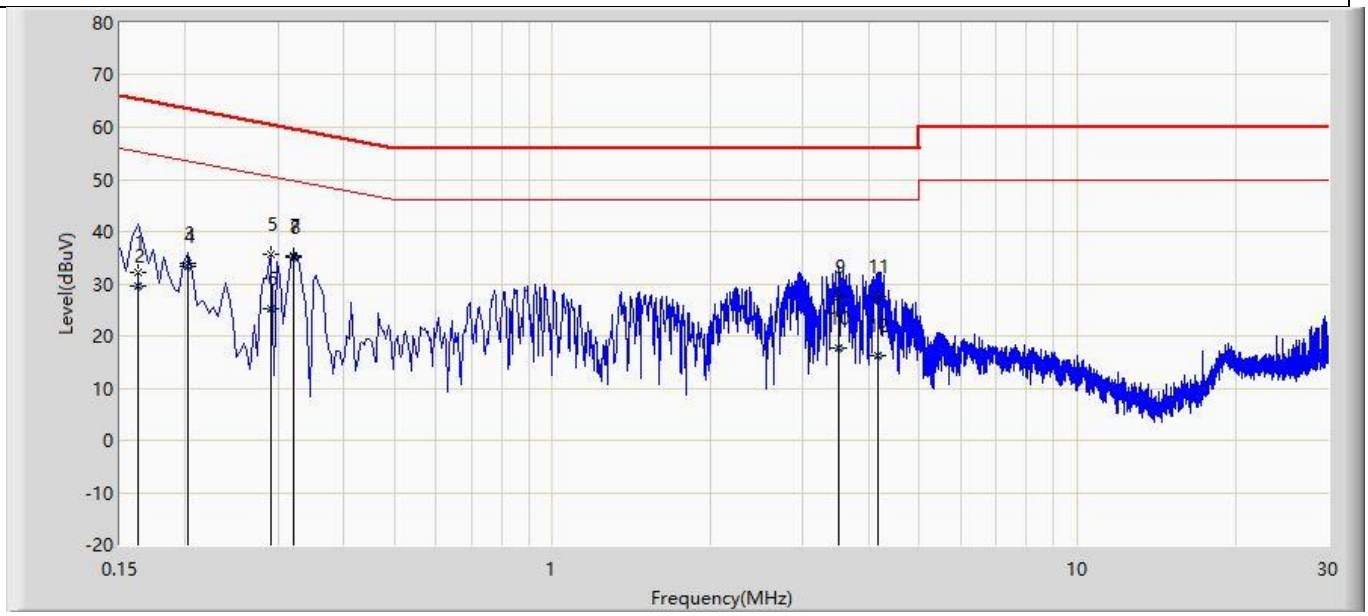


4.1.3 Test Procedure

	References Rule	Chapter	Item
☒	ANSI C63.10-2013	6.2	Standard test method for ac power-line conducted emissions from unlicensed wireless devices

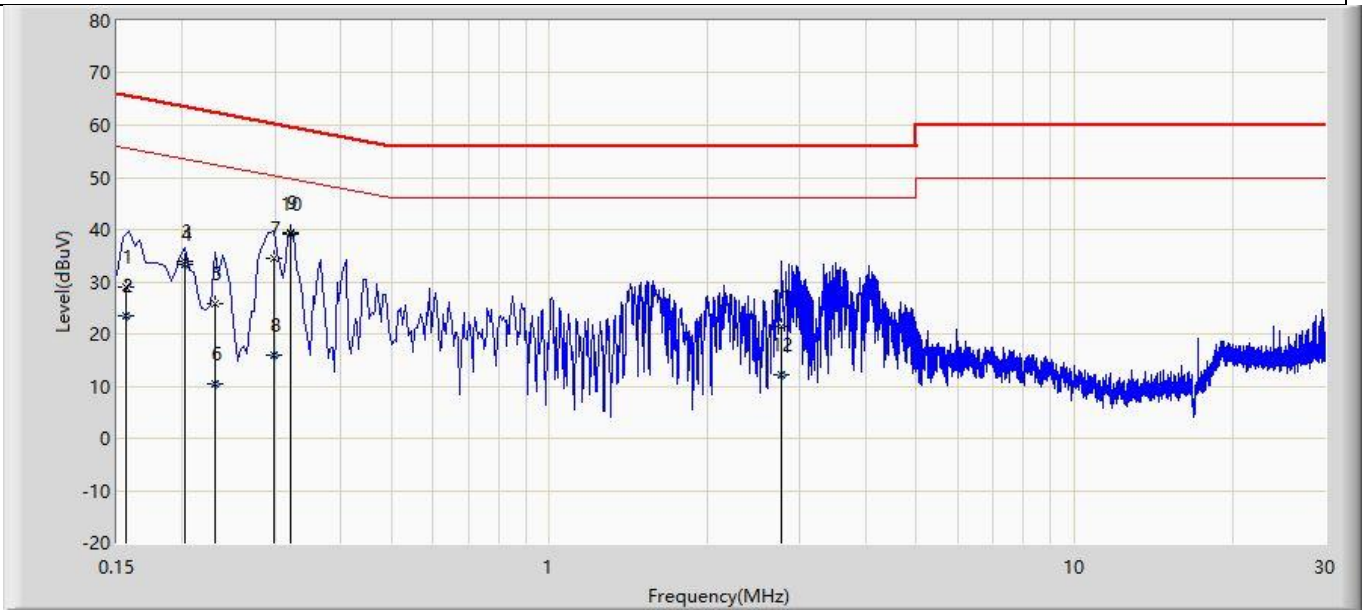
4.1.4 Test Data

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:
1. " * ", means this data is the worst emission level.
2. 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 (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (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	--	

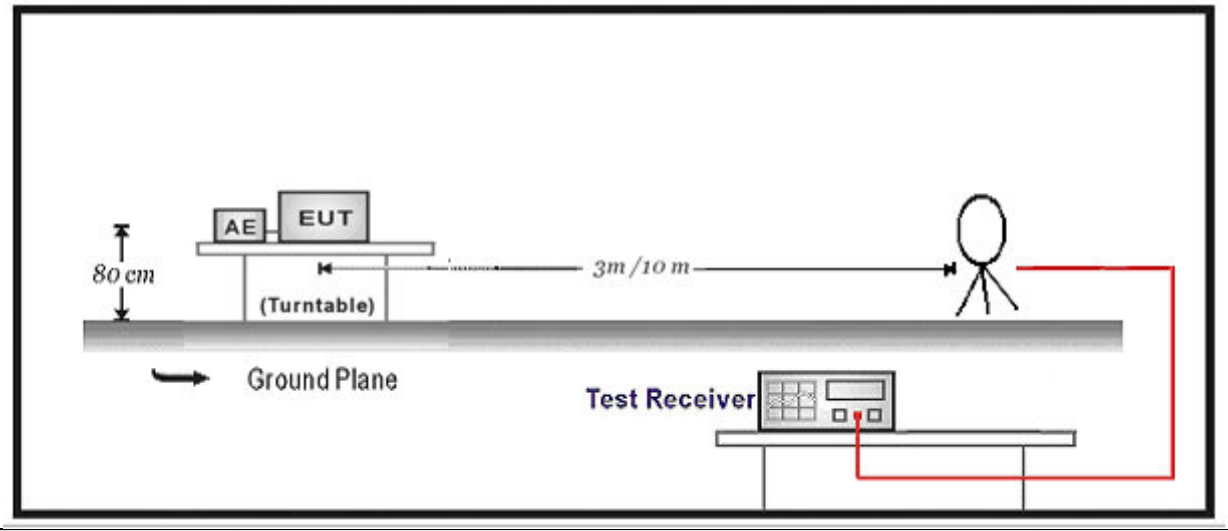
Restricted Band Emissions Limit			
Frequency (MHz)	Field strength (μV/m)	Field strength (dBμV/m)	Measurement distance (m)
0.009 - 0.49	2400/F(kHz)	48.5 – 13.8	300(Note 1)
0.49 - 1.705	24000/F(kHz)	33.8 - 23	30(Note 1)
1.705 - 30	30	29.5	30(Note 1)
30 - 88	100	40	3(Note 2)
88 - 216	150	43.5	3(Note 2)
216 - 960	200	46	3(Note 2)
Above 960	500	54	3(Note 2)

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).

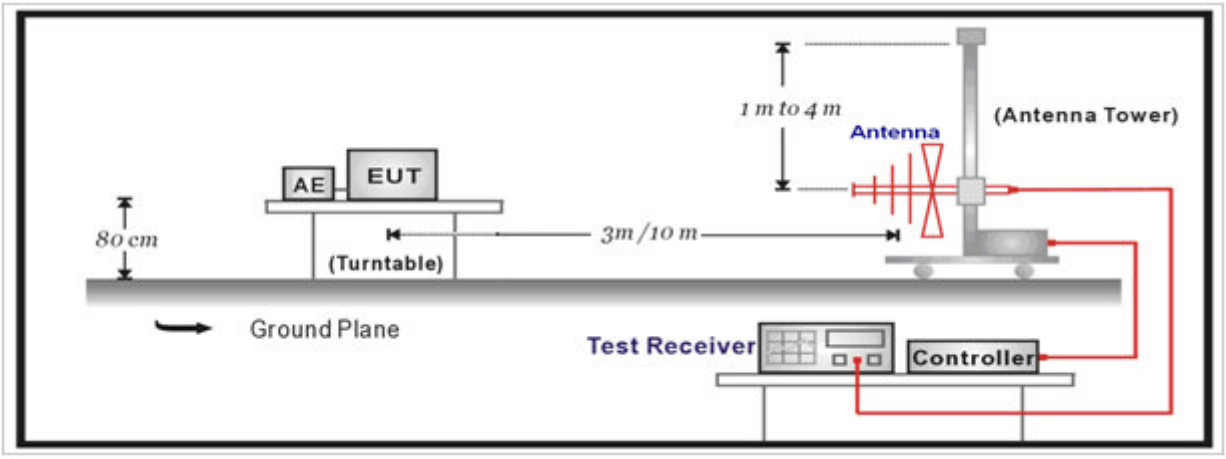
Note 2: At frequencies at or above 30 MHz, measurements may be performed at a distance other than what is specified provided: measurements are not made in the near field except where it can be shown that near field measurements are appropriate due to the characteristics of the device; and it can be demonstrated 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

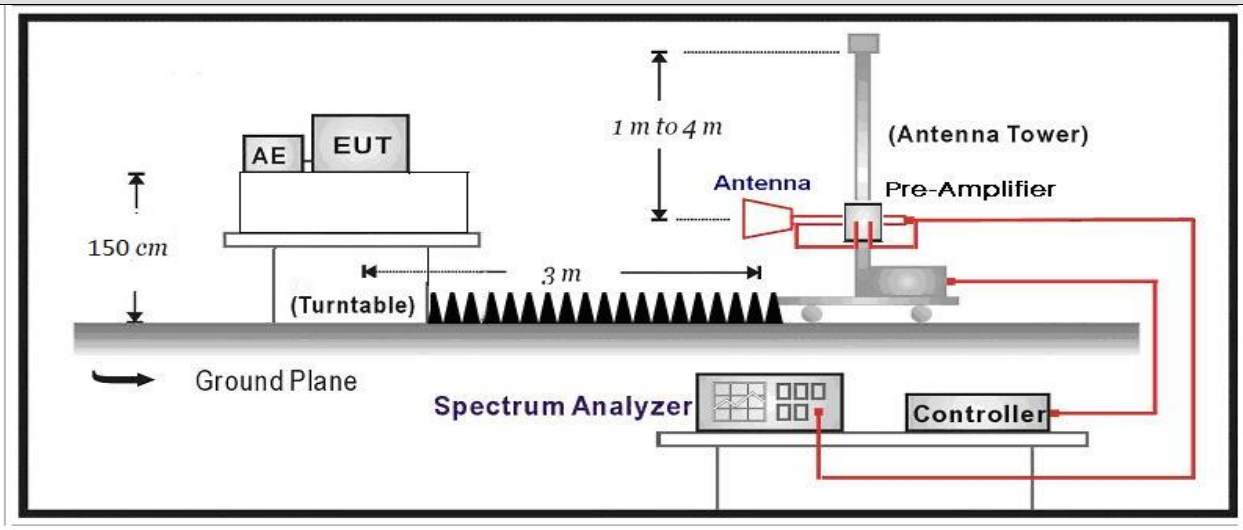
Below 30MHz Test Setup:



30MHz-1GHz Test Setup:



Above 1GHz Test Setup:



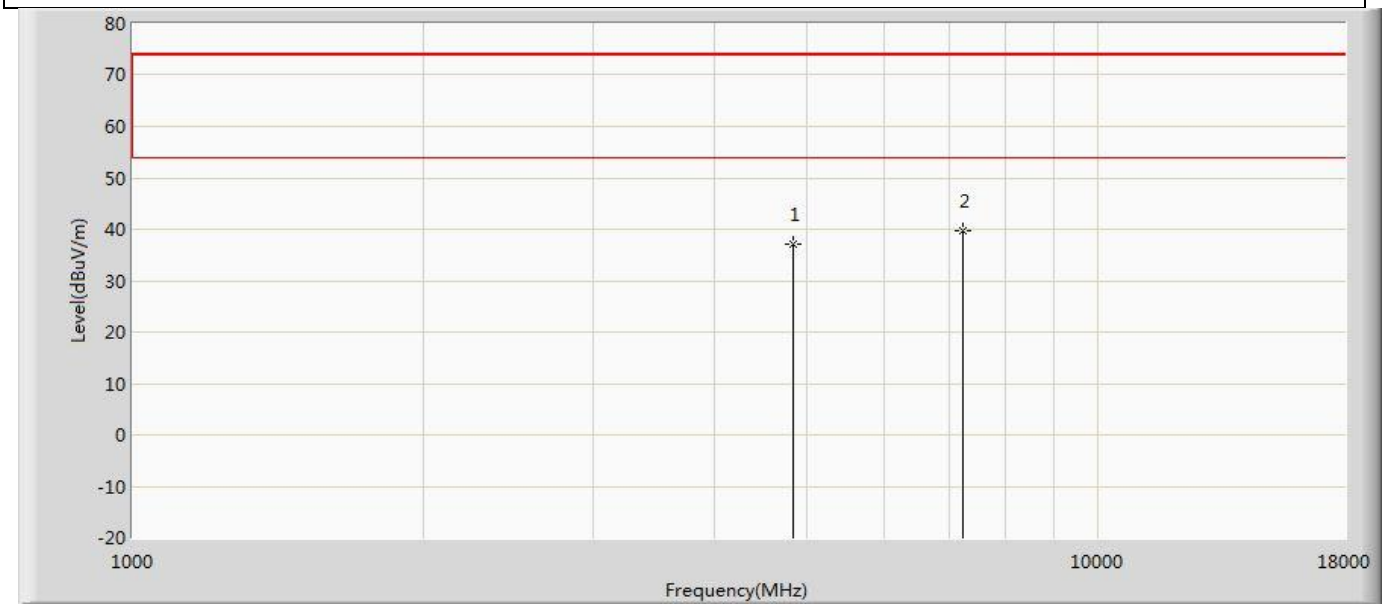
4.2.3 Test Procedure

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

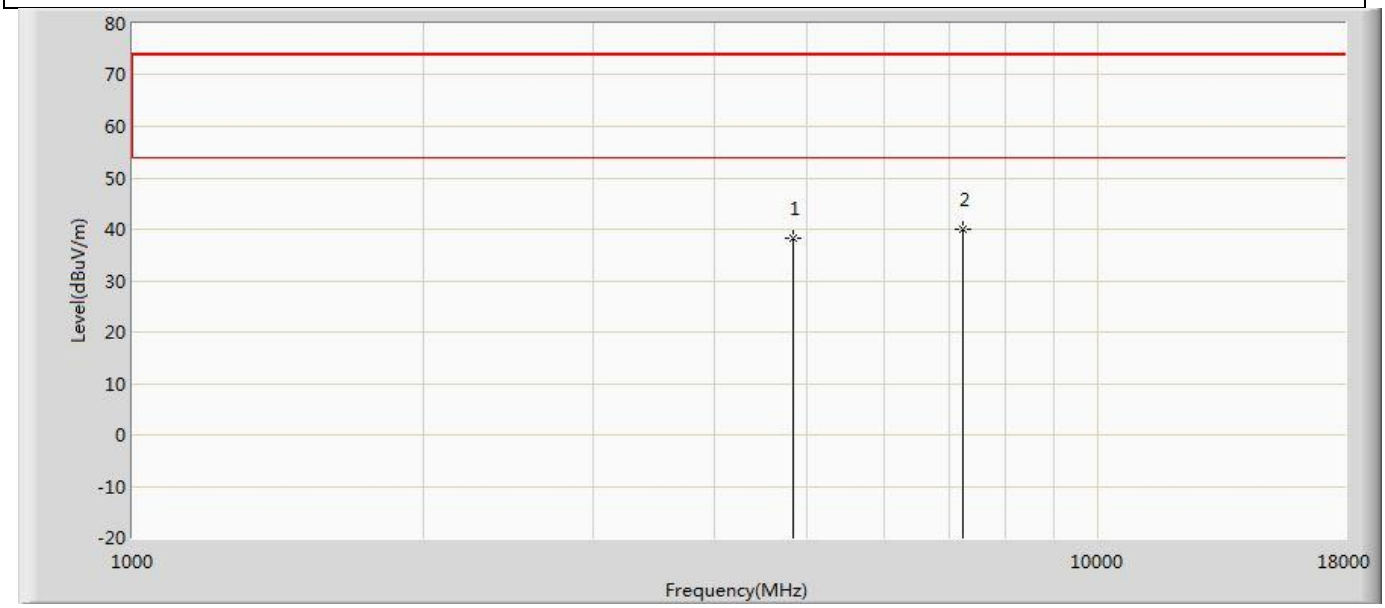
Dipole Antenna – MIMO（CDD 2TX）

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	



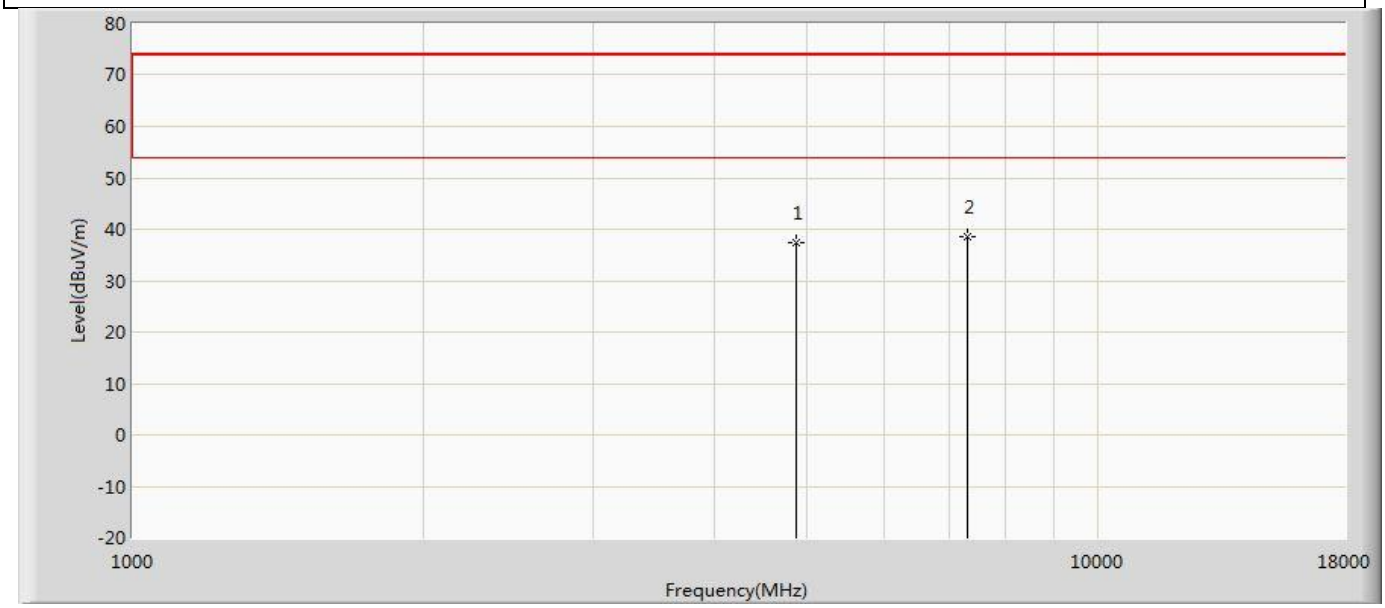
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4824.000	37.217	43.113	-36.783	74.000	-5.896	PK
2	*	7236.000	39.659	42.616	-34.341	74.000	-2.957	PK

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	



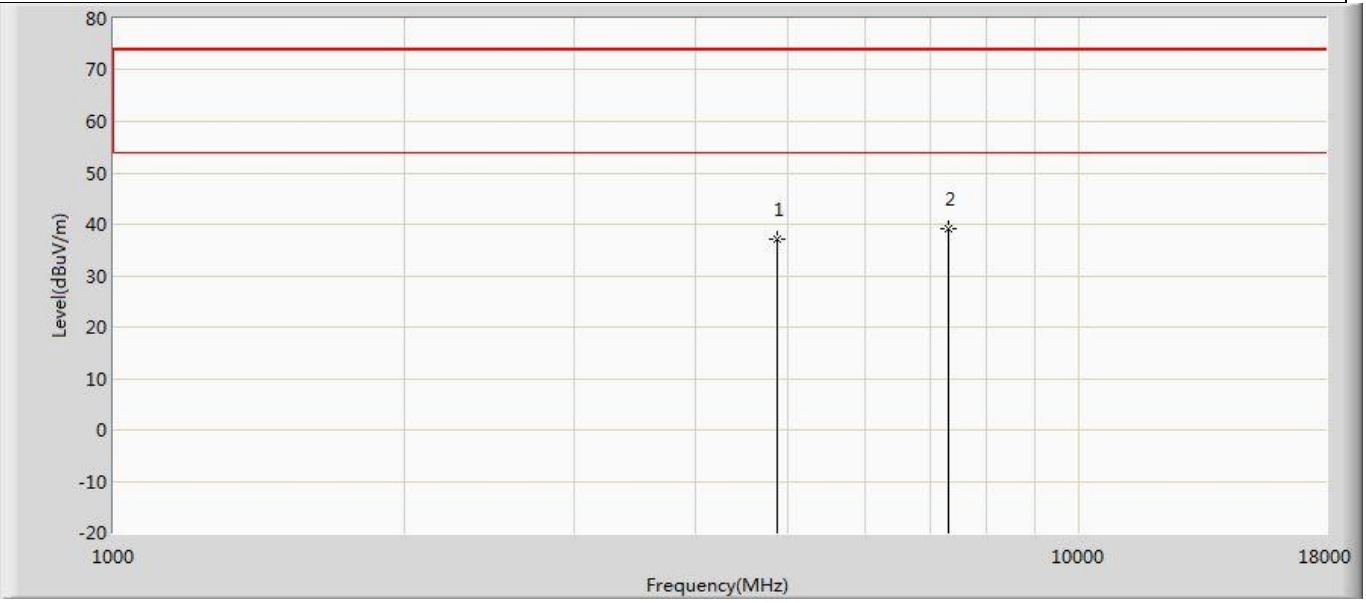
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4824.000	38.364	44.260	-35.636	74.000	-5.896	PK
2	*	7236.000	39.926	42.883	-34.074	74.000	-2.957	PK

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	



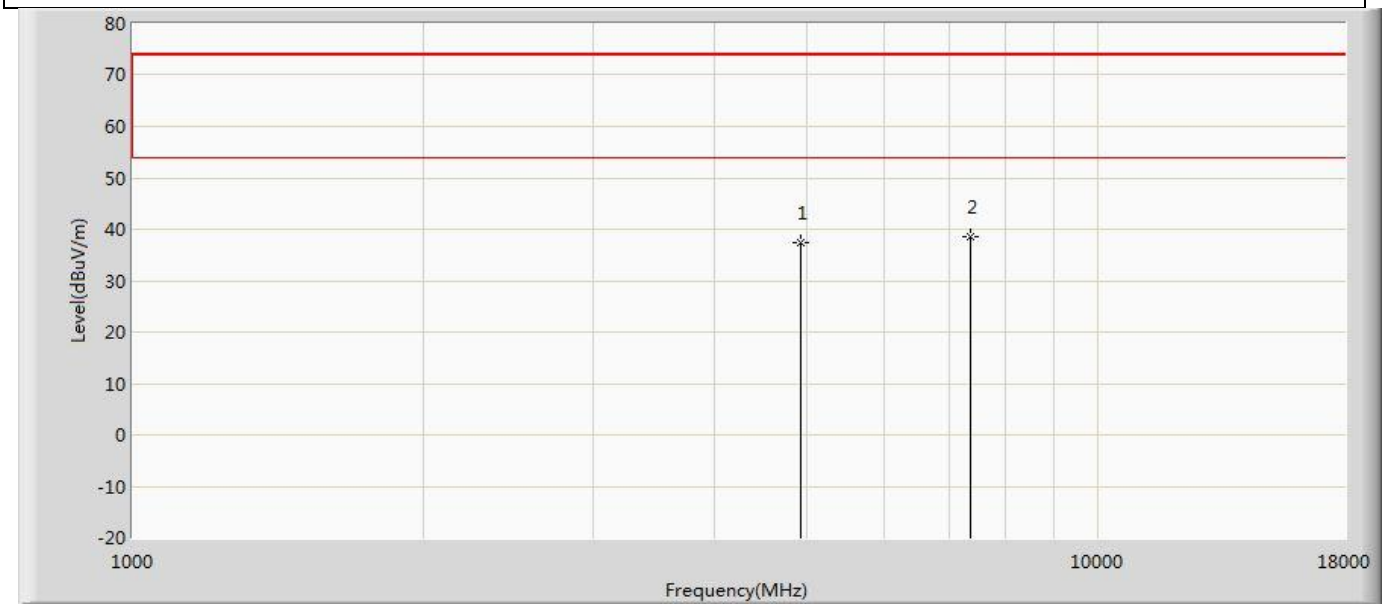
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4874.000	37.450	43.329	-36.550	74.000	-5.879	PK
2	*	7311.000	38.611	41.664	-35.389	74.000	-3.054	PK

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	



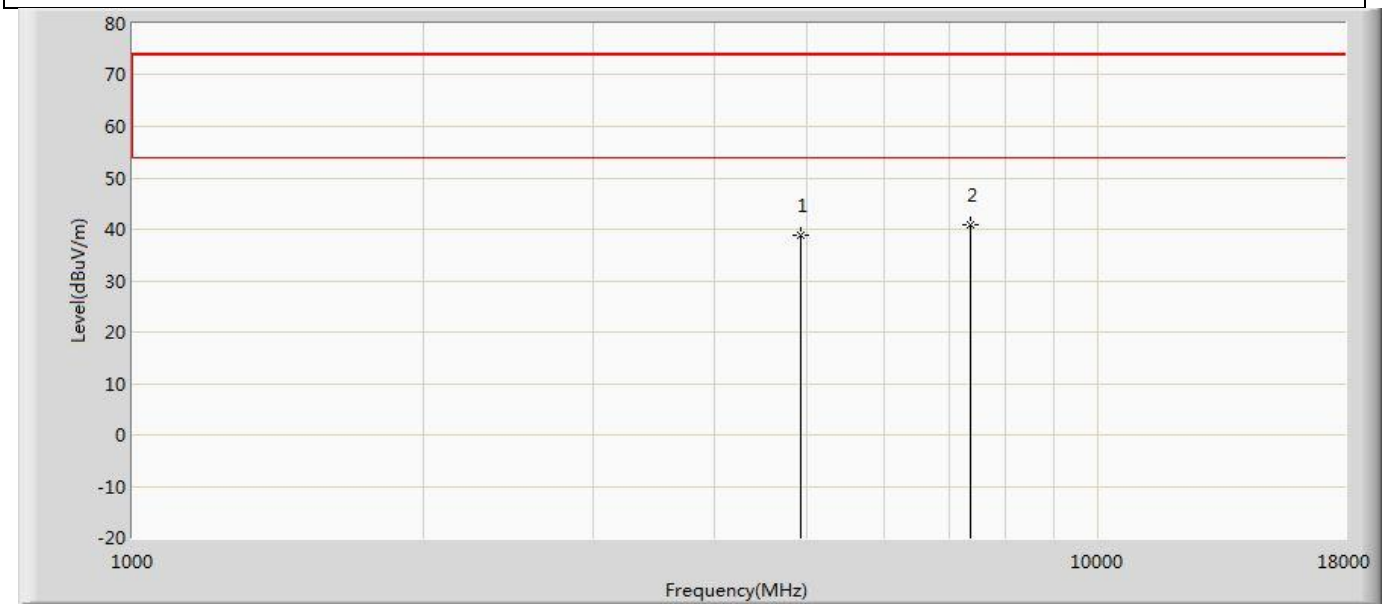
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4874.000	37.220	43.099	-36.780	74.000	-5.879	PK
2	*	7311.000	39.266	42.319	-34.734	74.000	-3.054	PK

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	



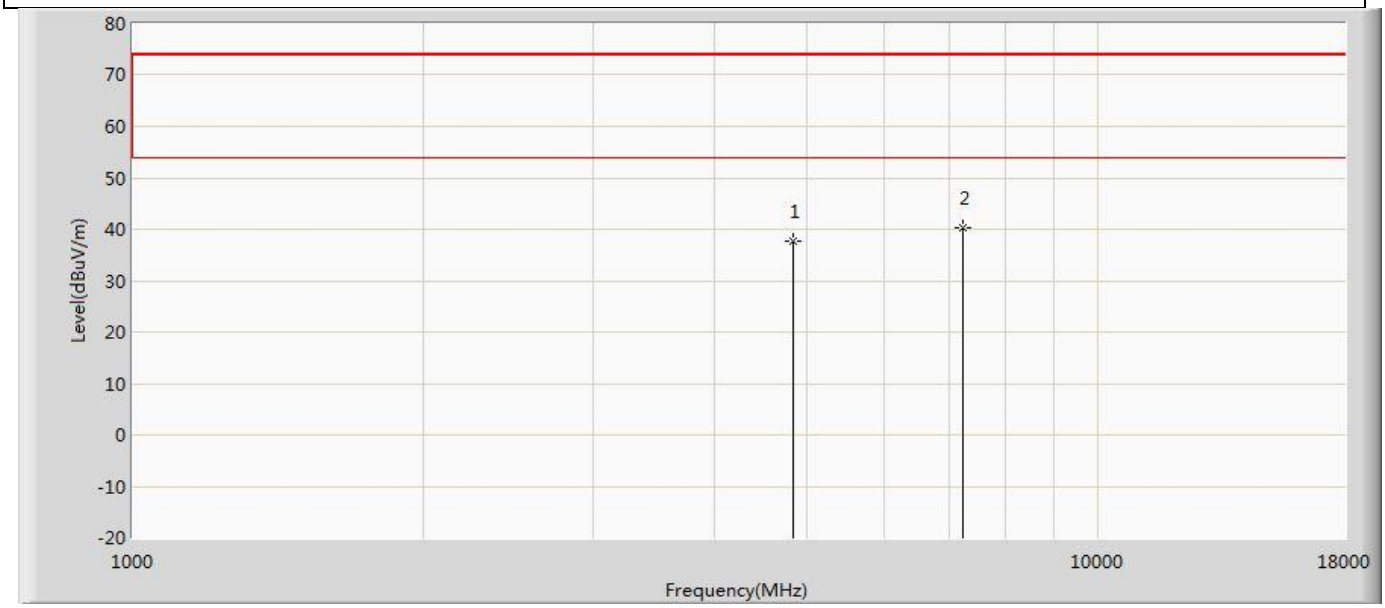
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4924.000	37.521	43.448	-36.479	74.000	-5.927	PK
2	*	7386.000	38.679	41.714	-35.321	74.000	-3.035	PK

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	



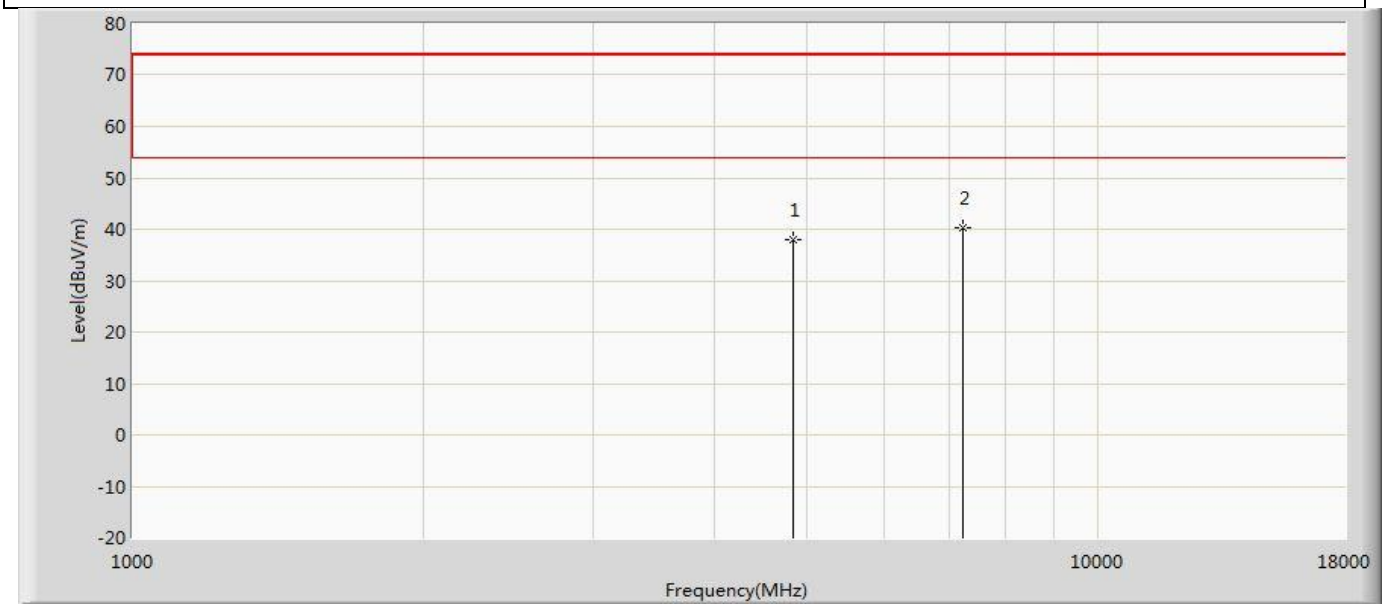
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4924.000	38.886	44.813	-35.114	74.000	-5.927	PK
2	*	7386.000	40.810	43.845	-33.190	74.000	-3.035	PK

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	



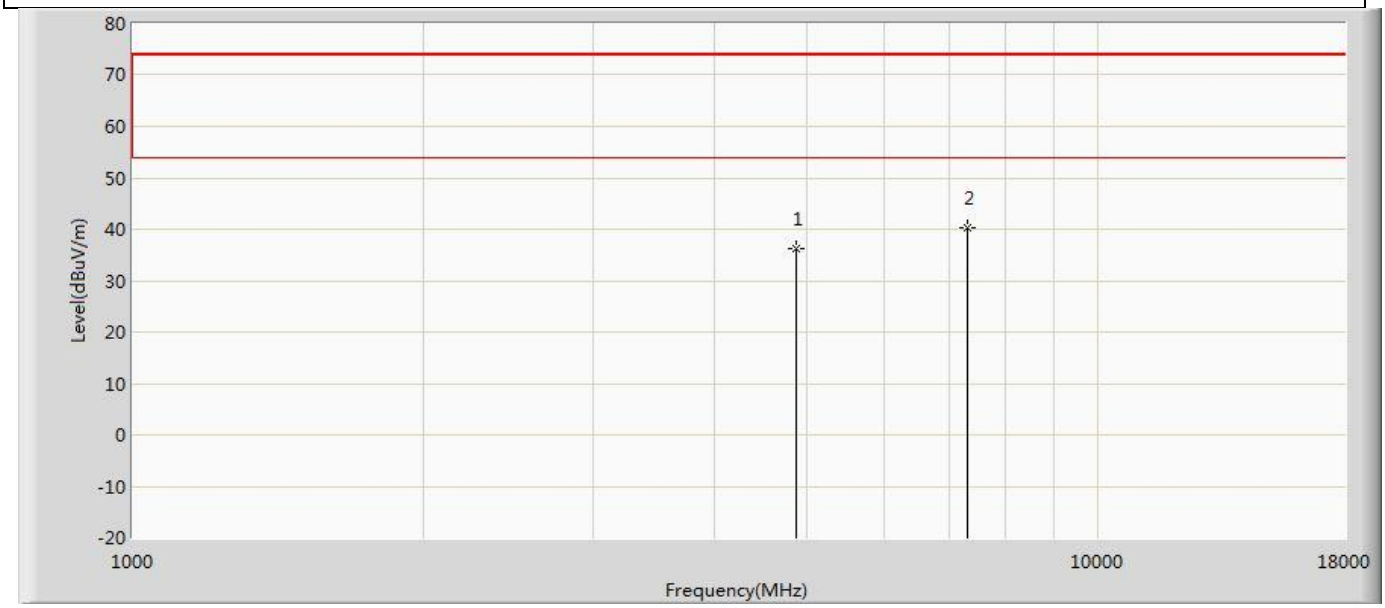
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4824.000	37.813	43.709	-36.187	74.000	-5.896	PK
2	*	7236.000	40.289	43.246	-33.711	74.000	-2.957	PK

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	



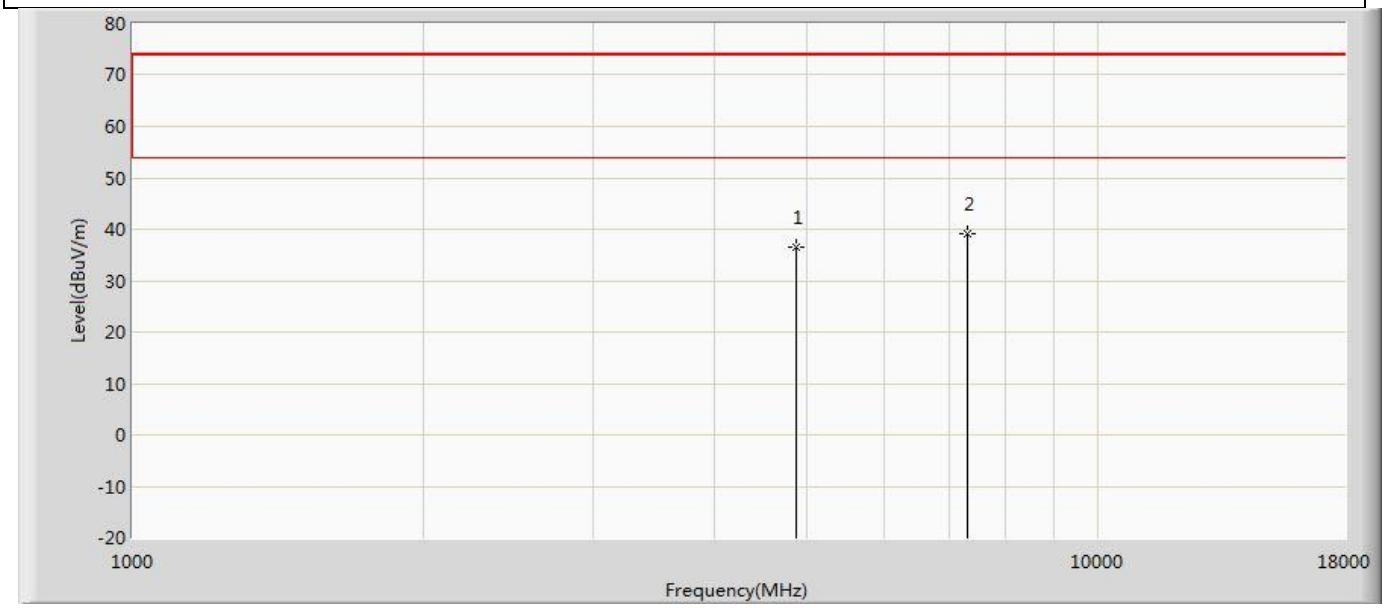
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4824.000	37.911	43.807	-36.089	74.000	-5.896	PK
2	*	7236.000	40.423	43.380	-33.577	74.000	-2.957	PK

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	



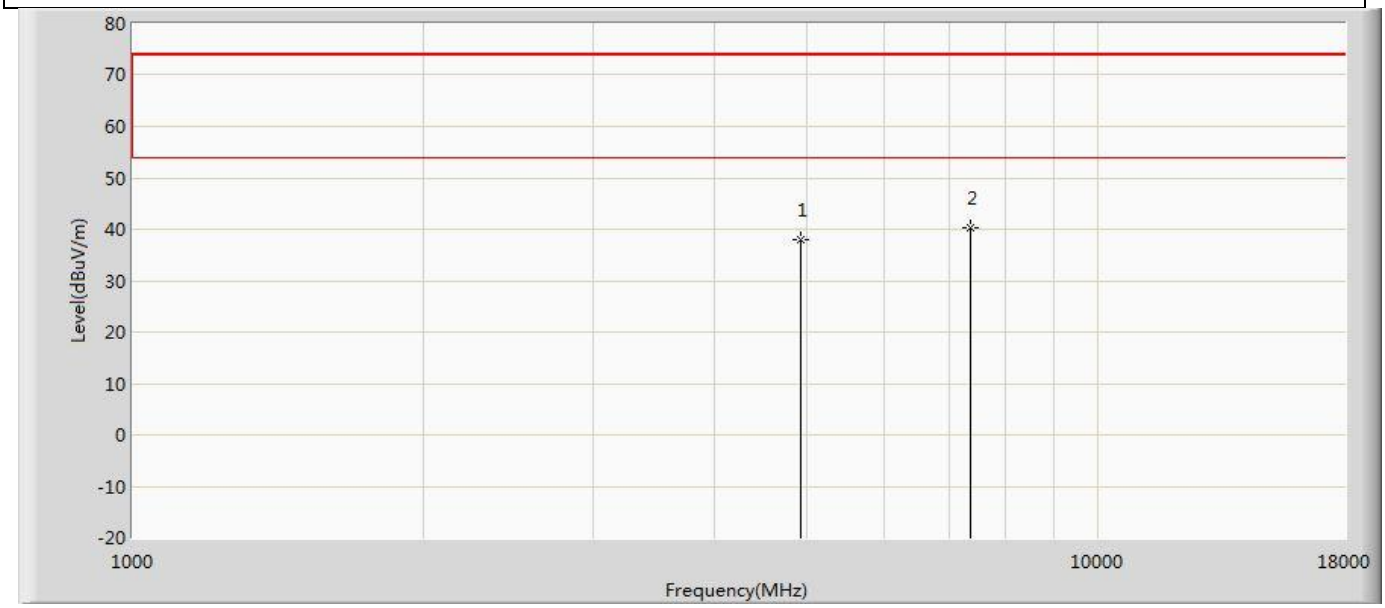
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4874.000	36.323	42.202	-37.677	74.000	-5.879	PK
2	*	7311.000	40.259	43.312	-33.741	74.000	-3.054	PK

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	



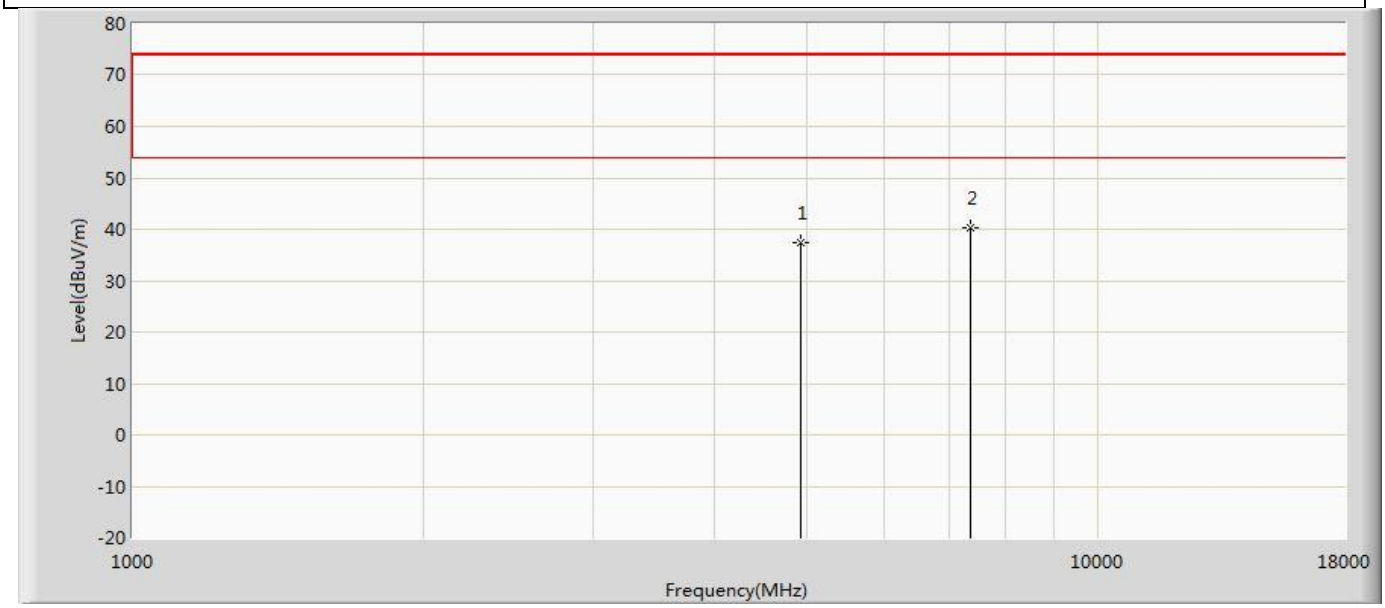
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4874.000	36.600	42.479	-37.400	74.000	-5.879	PK
2	*	7311.000	39.093	42.146	-34.907	74.000	-3.054	PK

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	



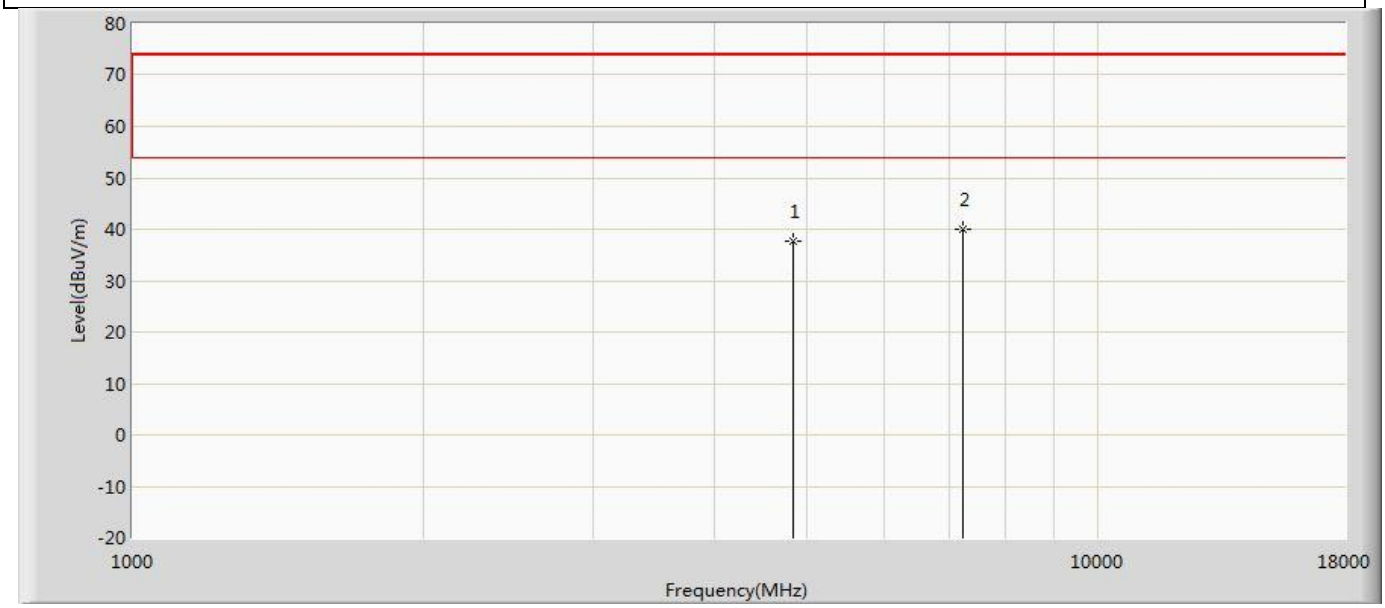
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4924.000	37.880	43.807	-36.120	74.000	-5.927	PK
2	*	7386.000	40.155	43.190	-33.845	74.000	-3.035	PK

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	



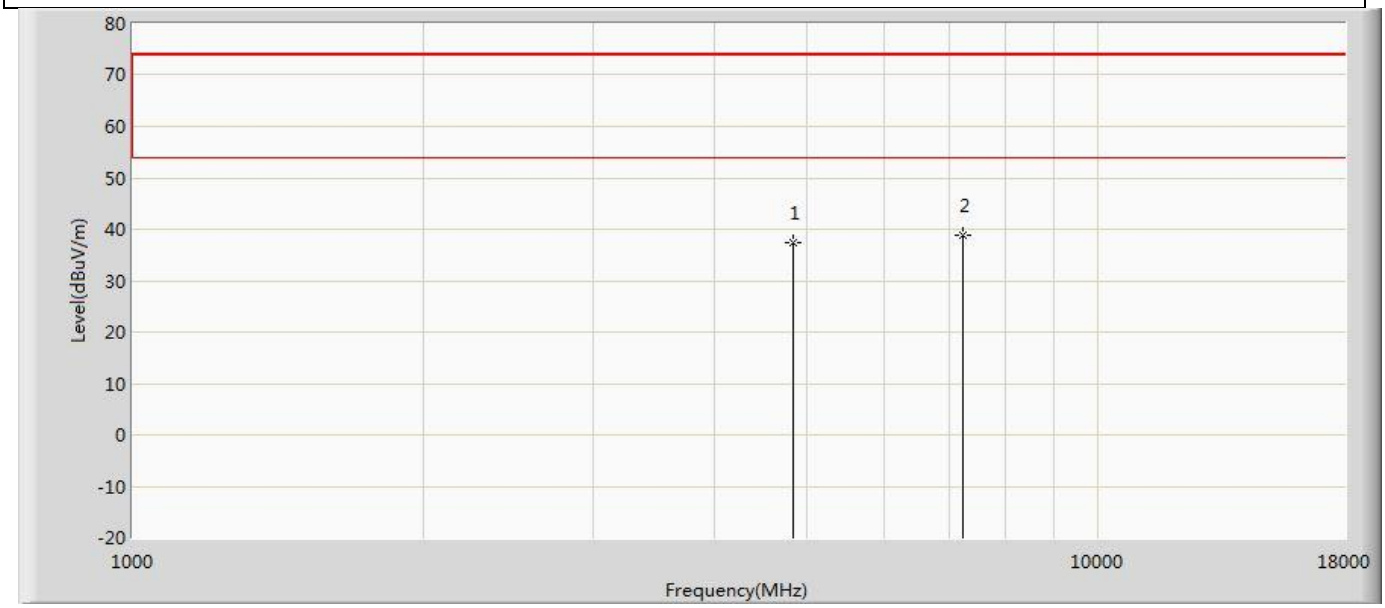
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4924.000	37.413	43.340	-36.587	74.000	-5.927	PK
2	*	7386.000	40.274	43.309	-33.726	74.000	-3.035	PK

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)	



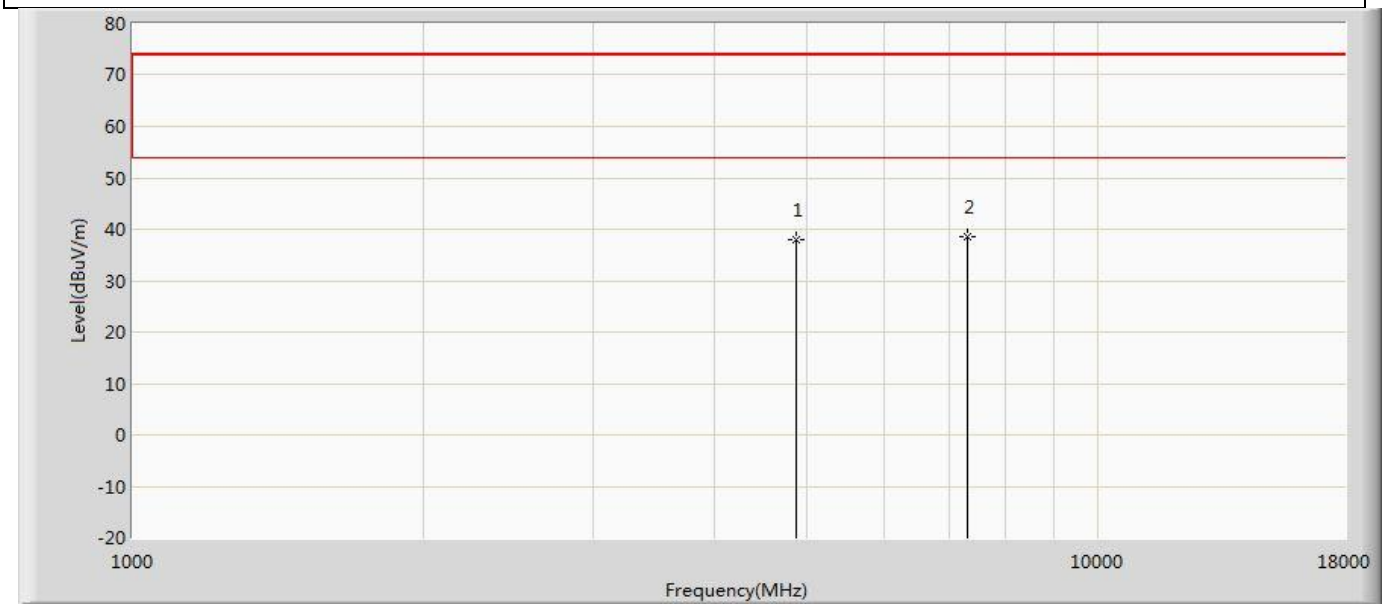
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4824.000	37.737	43.633	-36.263	74.000	-5.896	PK
2	*	7236.000	39.948	42.905	-34.052	74.000	-2.957	PK

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)	



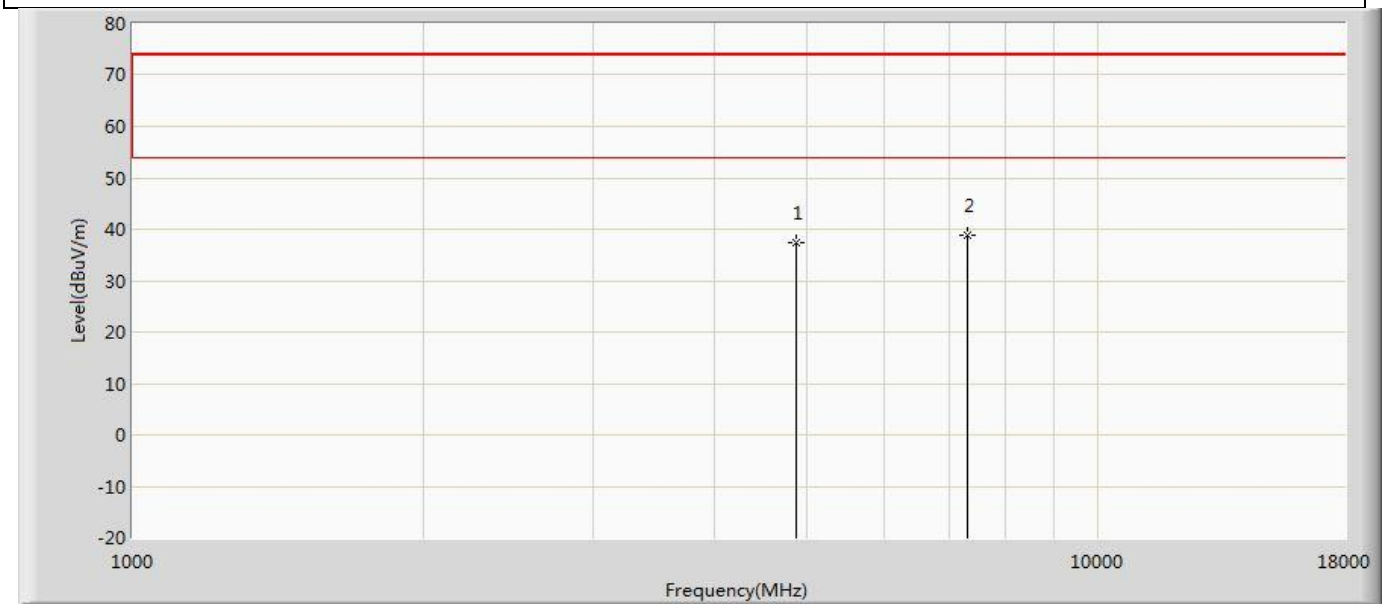
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4824.000	37.468	43.364	-36.532	74.000	-5.896	PK
2	*	7236.000	38.952	41.909	-35.048	74.000	-2.957	PK

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)	



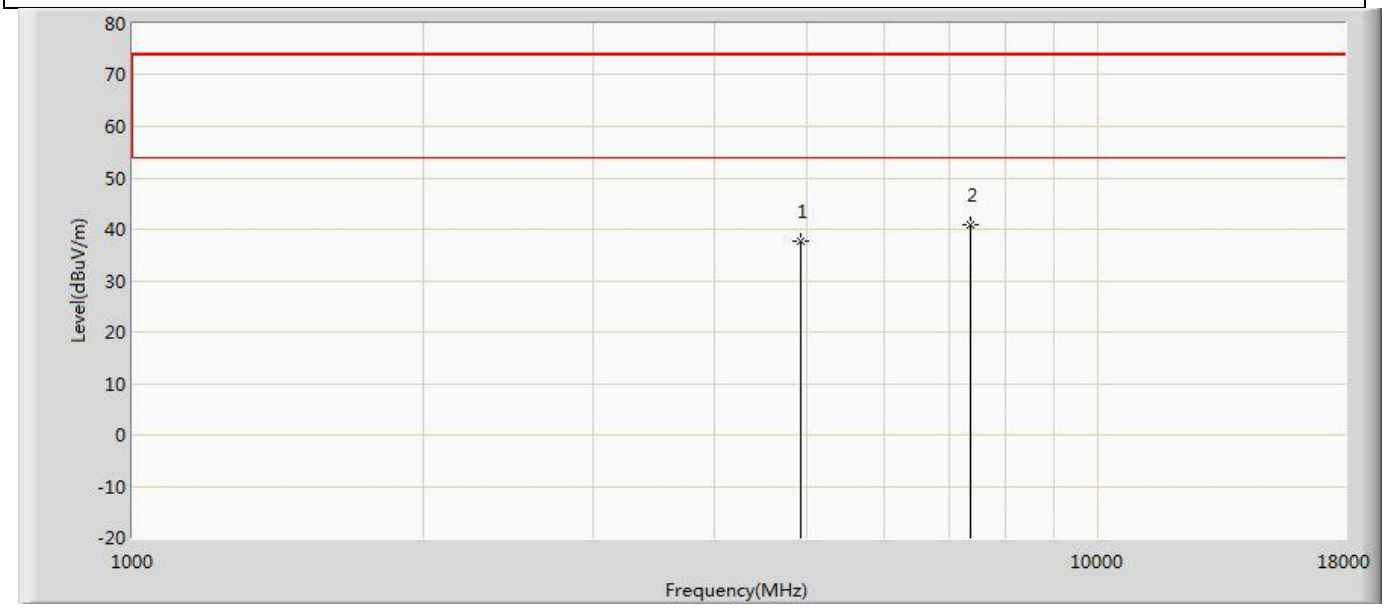
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4874.000	38.007	43.886	-35.993	74.000	-5.879	PK
2	*	7311.000	38.458	41.511	-35.542	74.000	-3.054	PK

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)	



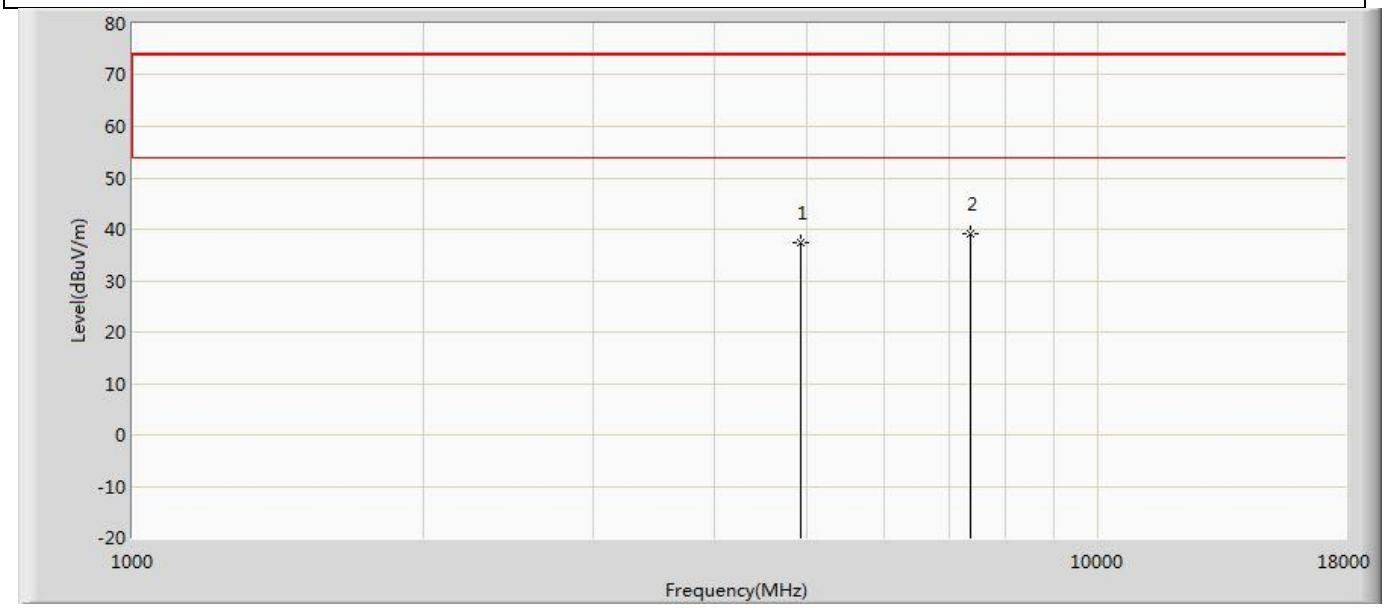
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4874.000	37.329	43.208	-36.671	74.000	-5.879	PK
2	*	7311.000	38.746	41.799	-35.254	74.000	-3.054	PK

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)	



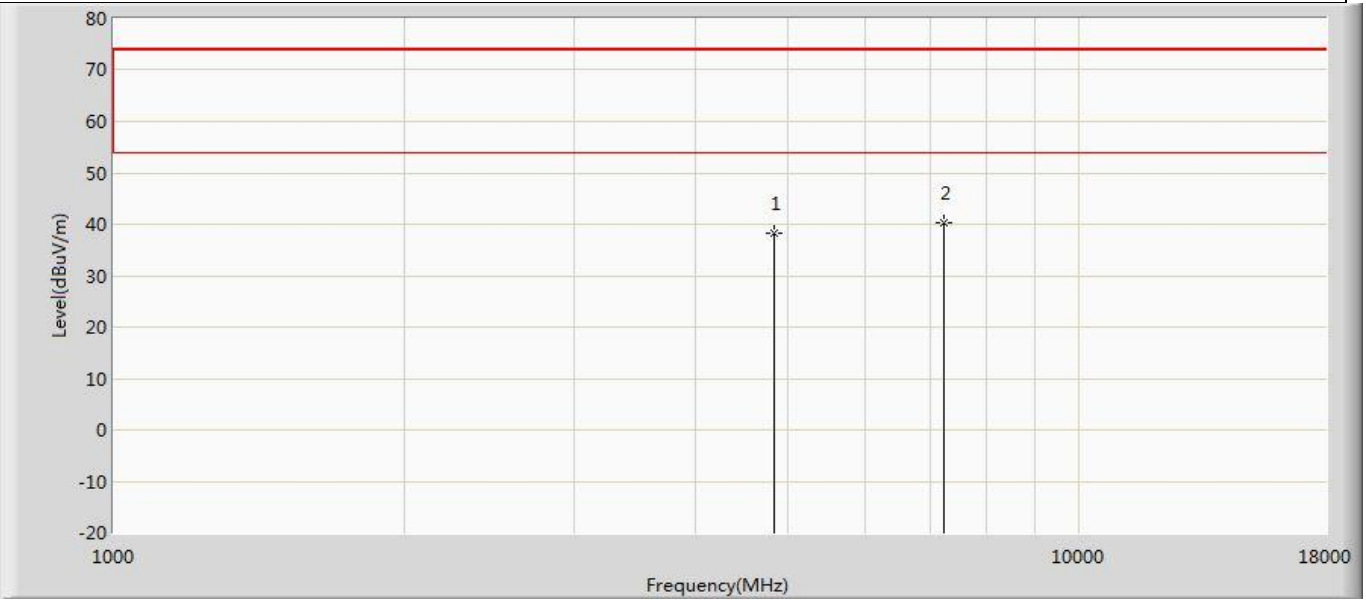
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4924.000	37.823	43.750	-36.177	74.000	-5.927	PK
2	*	7386.000	40.956	43.991	-33.044	74.000	-3.035	PK

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)	



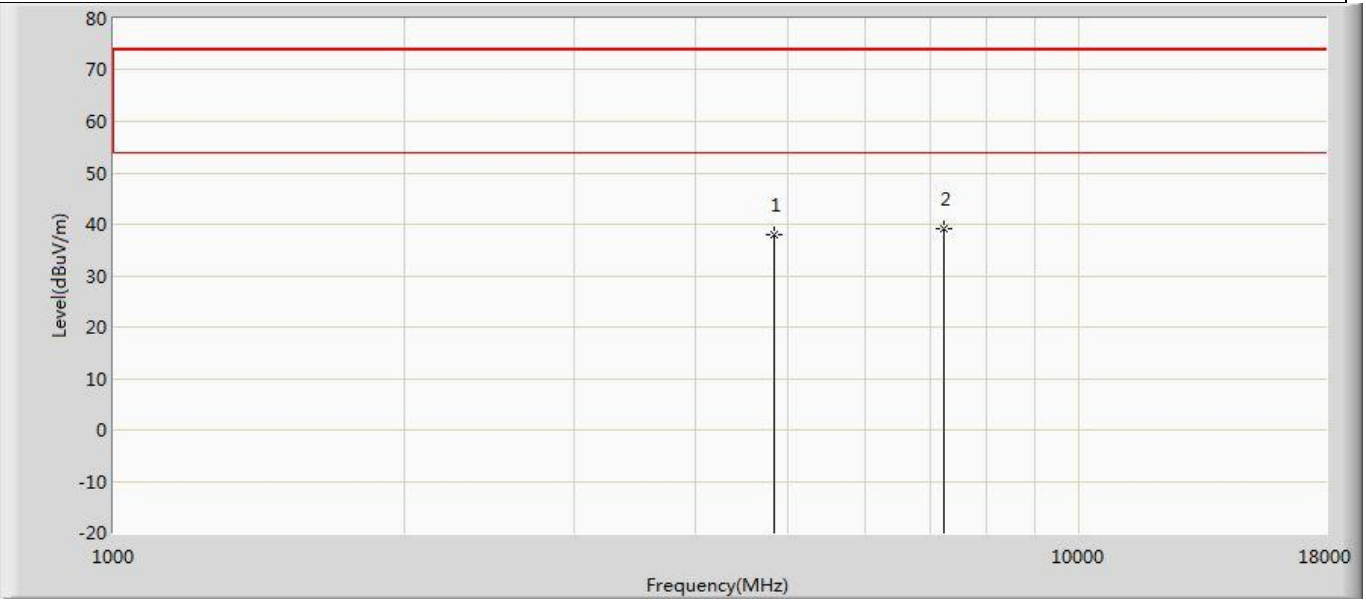
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4924.000	37.299	43.226	-36.701	74.000	-5.927	PK
2	*	7386.000	38.990	42.025	-35.010	74.000	-3.035	PK

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)	



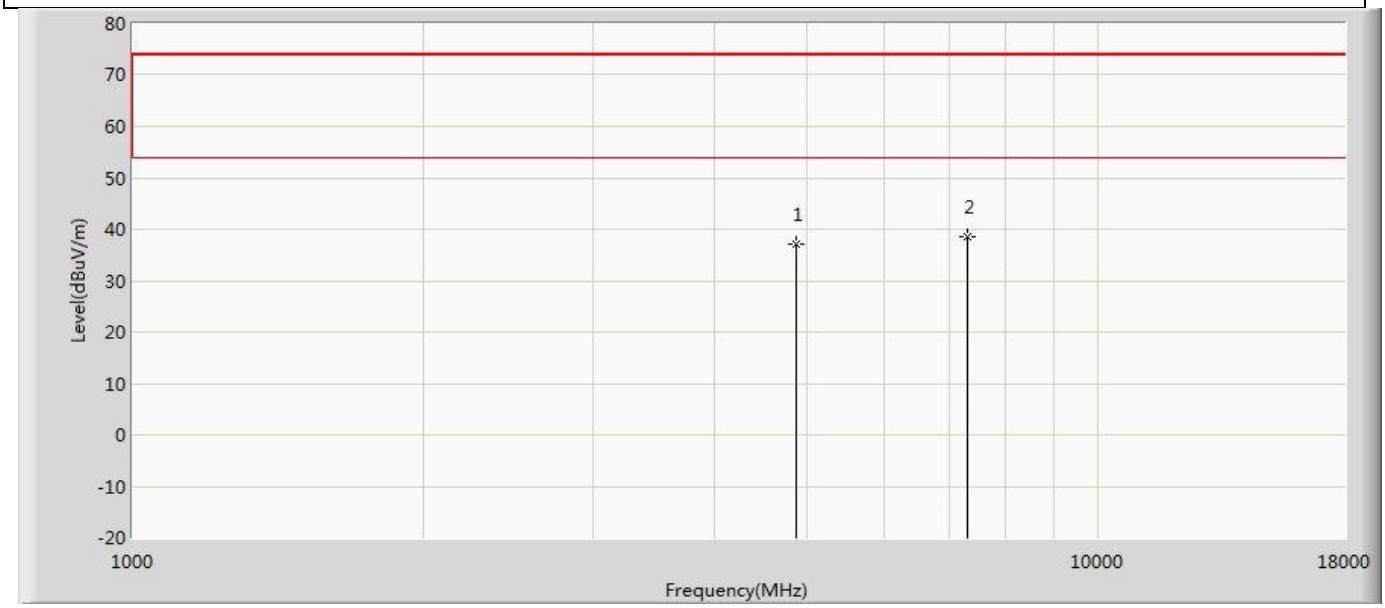
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4824.000	38.194	44.090	-35.806	74.000	-5.896	PK
2	*	7236.000	40.212	43.169	-33.788	74.000	-2.957	PK

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)	



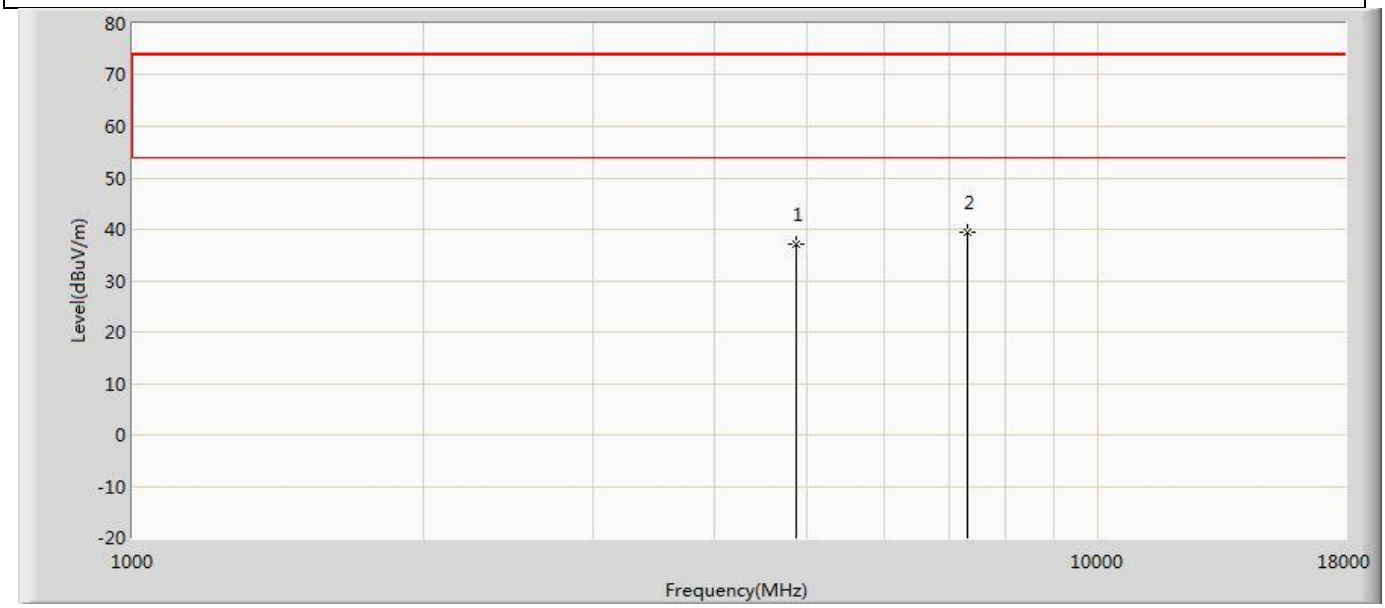
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4824.000	37.933	43.829	-36.067	74.000	-5.896	PK
2	*	7236.000	39.031	41.988	-34.969	74.000	-2.957	PK

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)	



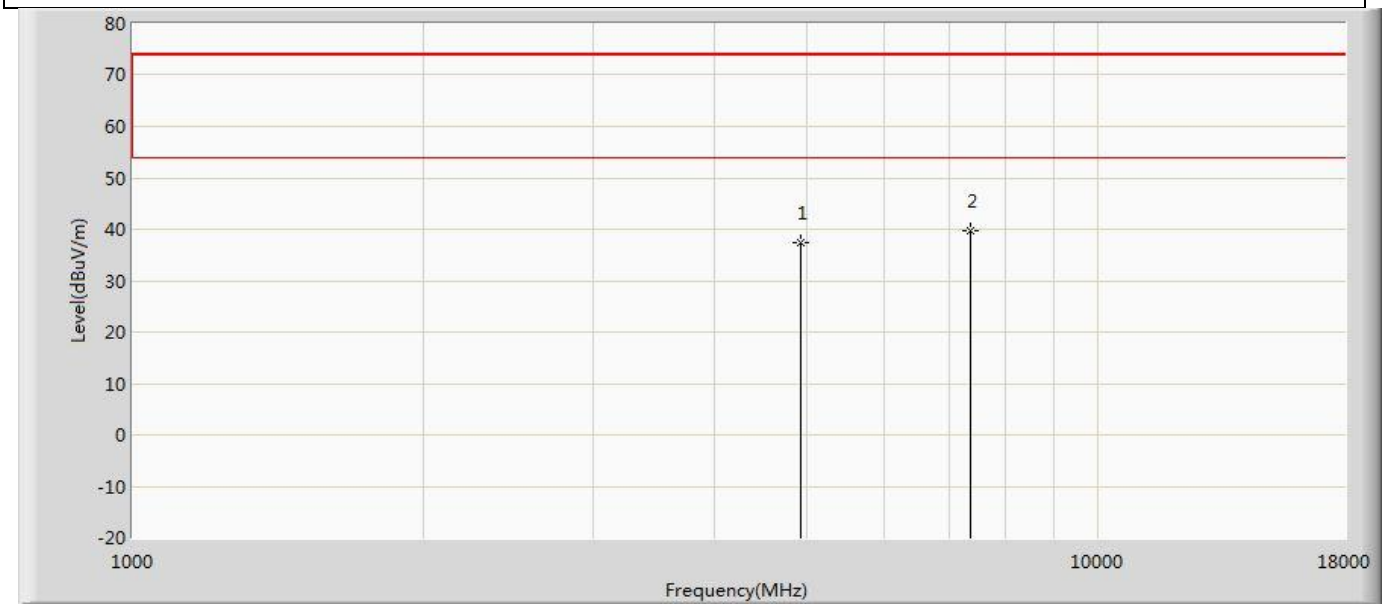
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4874.000	36.998	42.877	-37.002	74.000	-5.879	PK
2	*	7311.000	38.574	41.627	-35.426	74.000	-3.054	PK

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)	



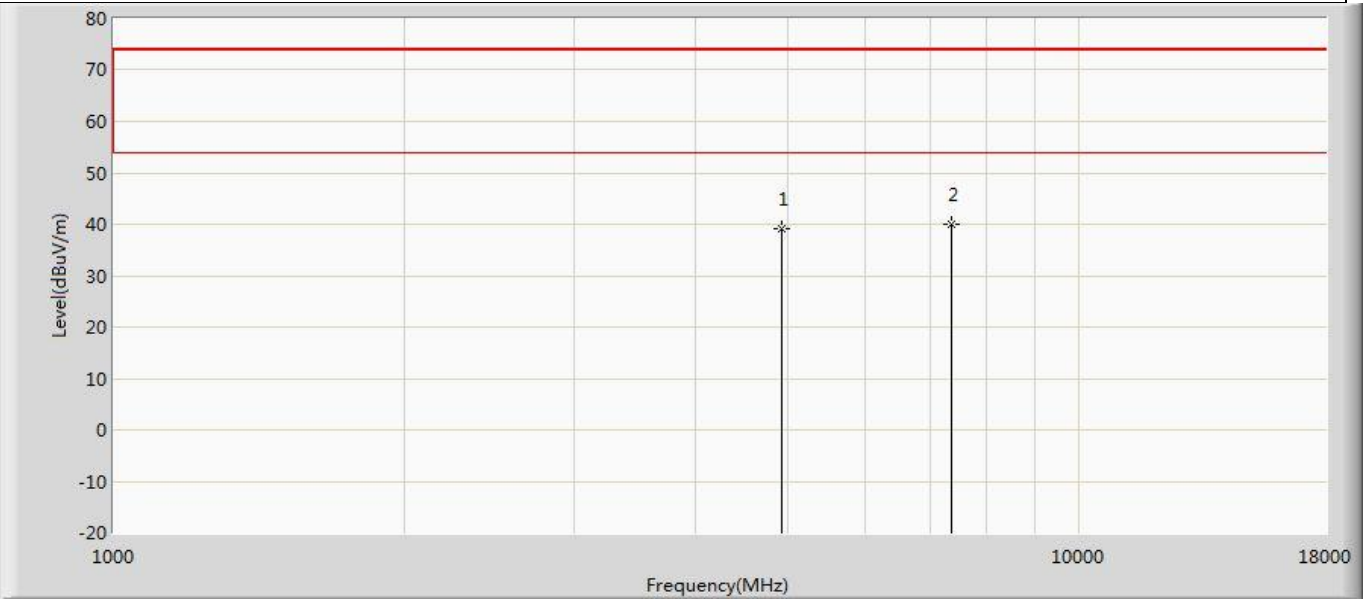
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4874.000	37.082	42.961	-36.918	74.000	-5.879	PK
2	*	7311.000	39.373	42.426	-34.627	74.000	-3.054	PK

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

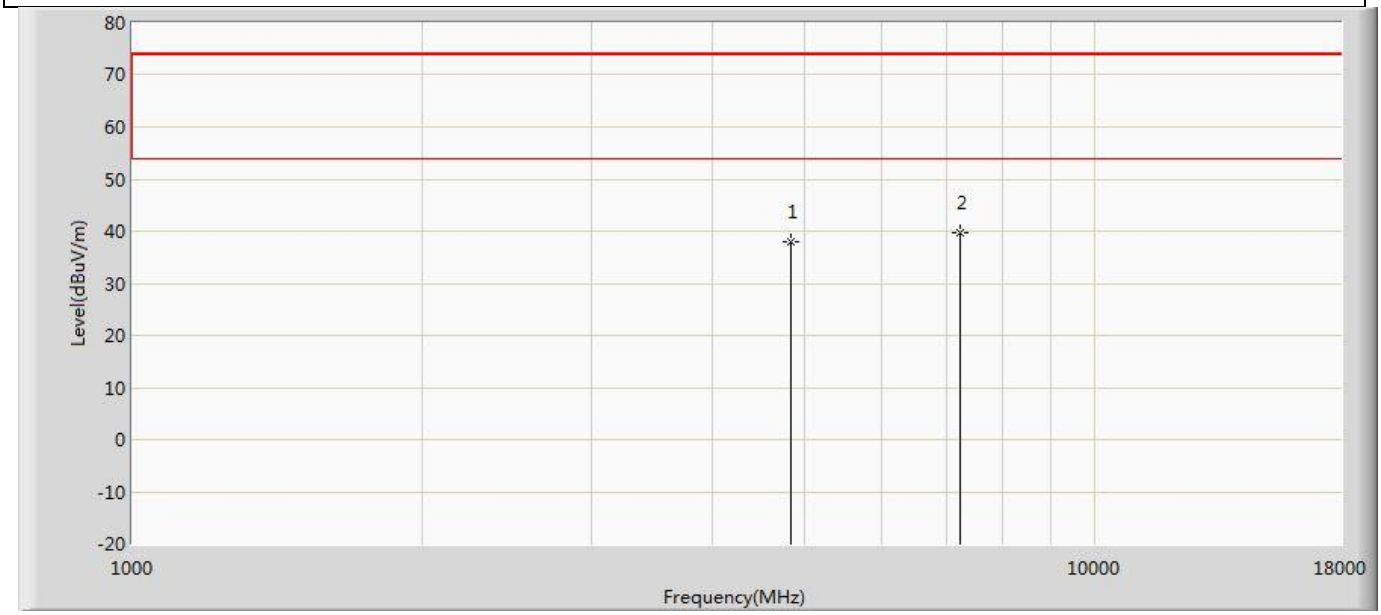
Profile: 20B0117R	Page No.: 48
Engineer: Neil	
Site: AC5	Time: 2021/01/16 - 10:39
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AP510CX	Power: PoE -48V
Note: Mode 4： Transmit at 2462MHz by 802.11ax(20MHz)	



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

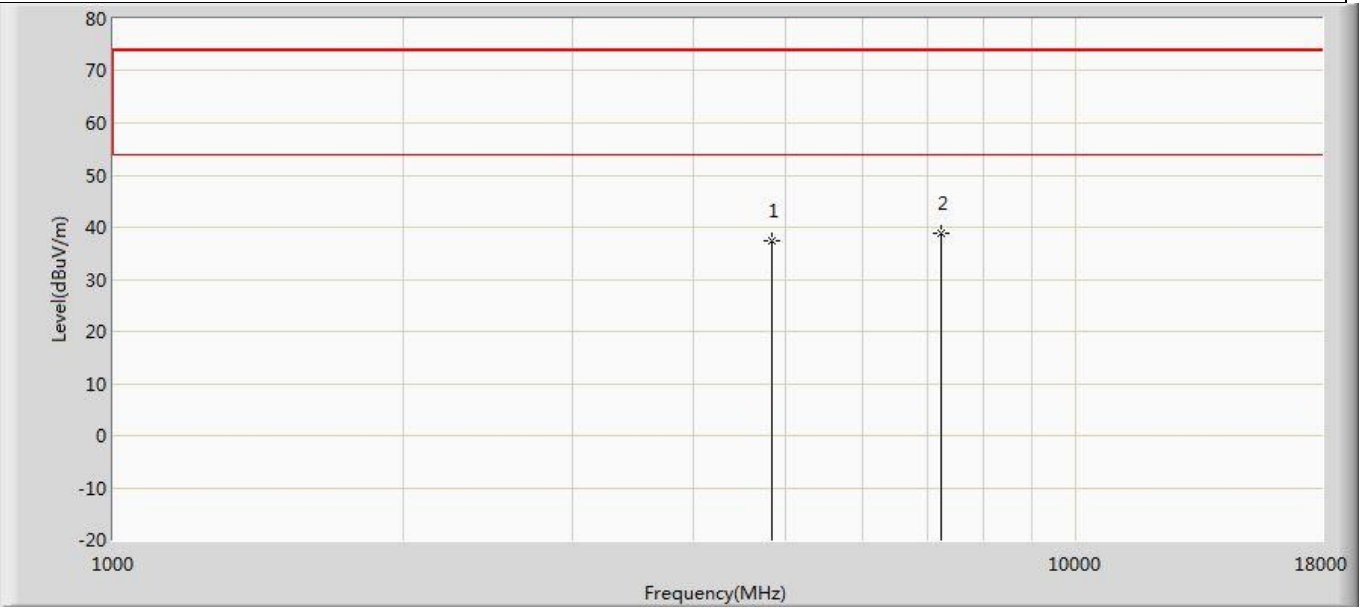
Dipole Antenna – MIMO（Beamforming 2TX）

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)	



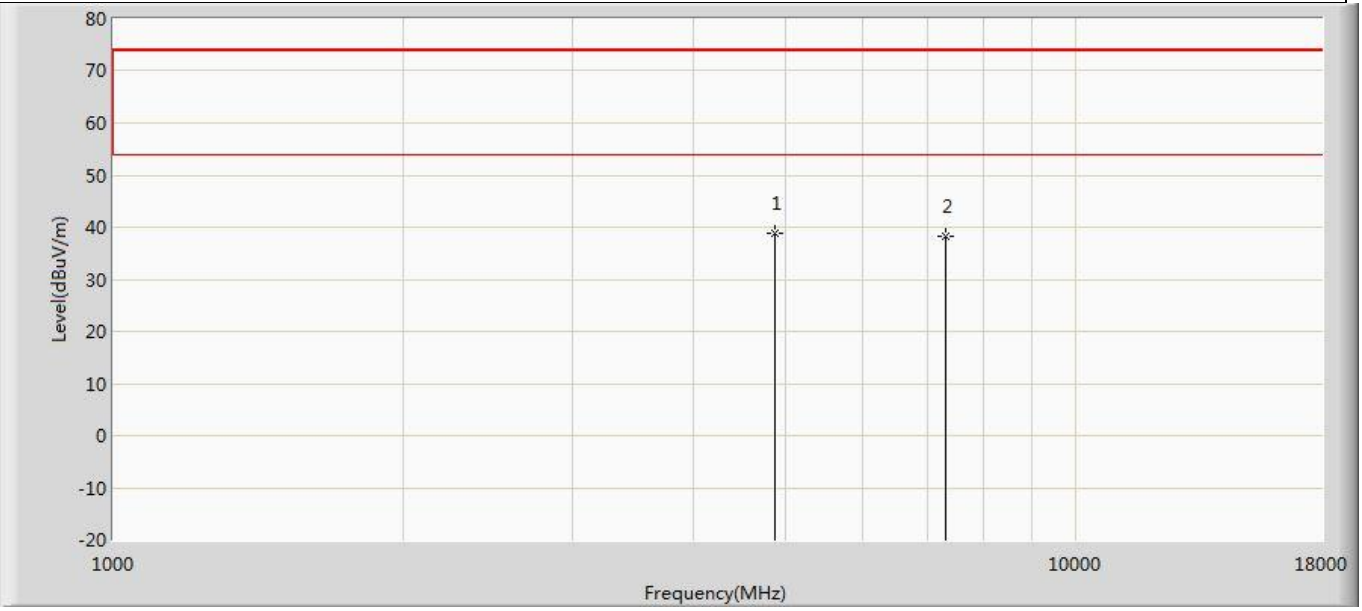
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4824.000	37.855	43.751	-36.145	74.000	-5.896	PK
2	*	7236.000	39.601	42.558	-34.399	74.000	-2.957	PK

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)	



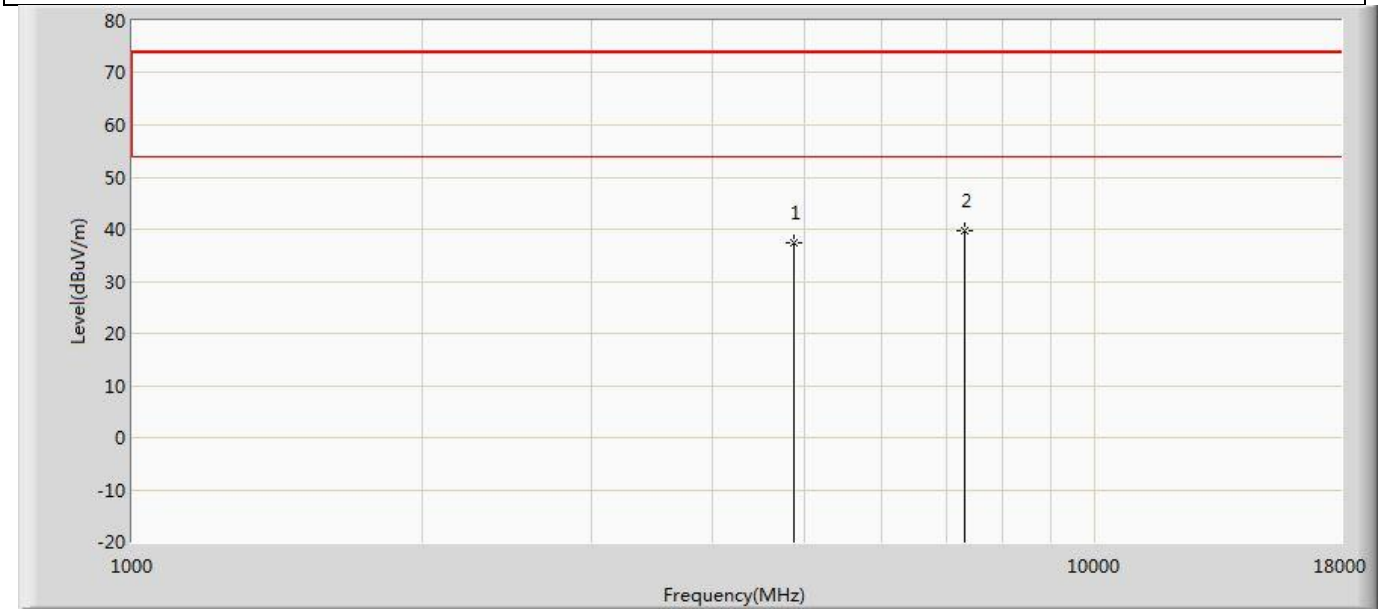
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4824.000	37.374	43.270	-36.626	74.000	-5.896	PK
2	*	7236.000	38.966	41.923	-35.034	74.000	-2.957	PK

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)	



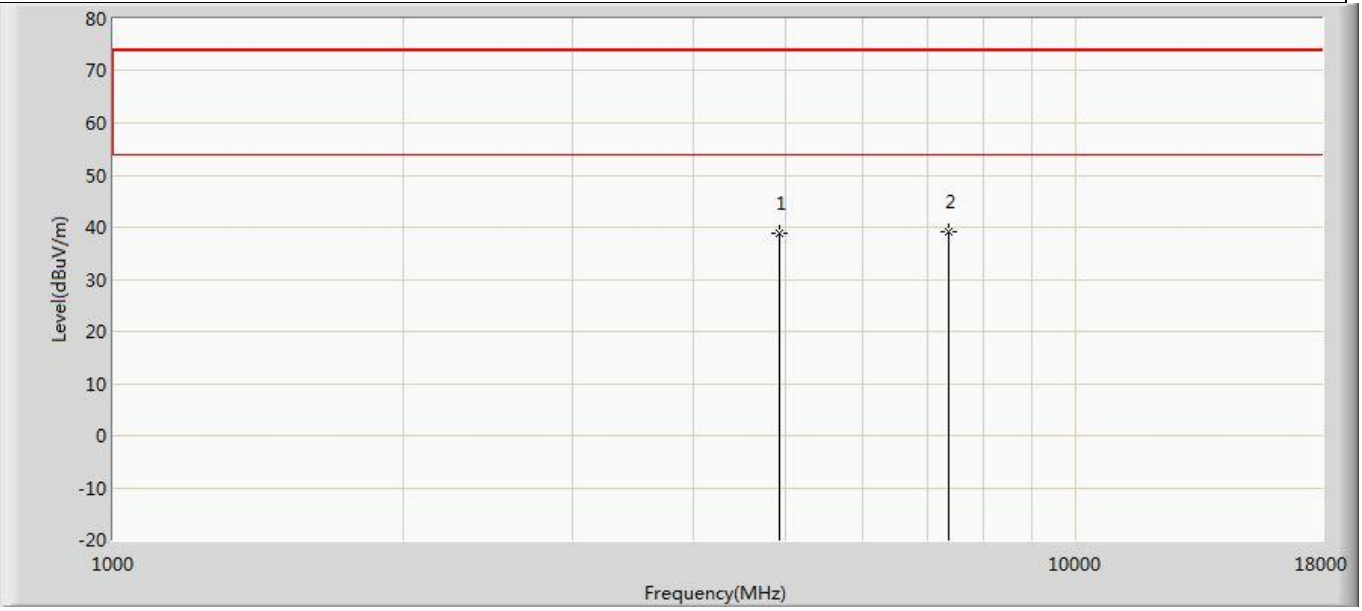
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1	*	4874.000	38.699	44.578	-35.301	74.000	-5.879	PK
2		7311.000	38.268	41.321	-35.732	74.000	-3.054	PK

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)	



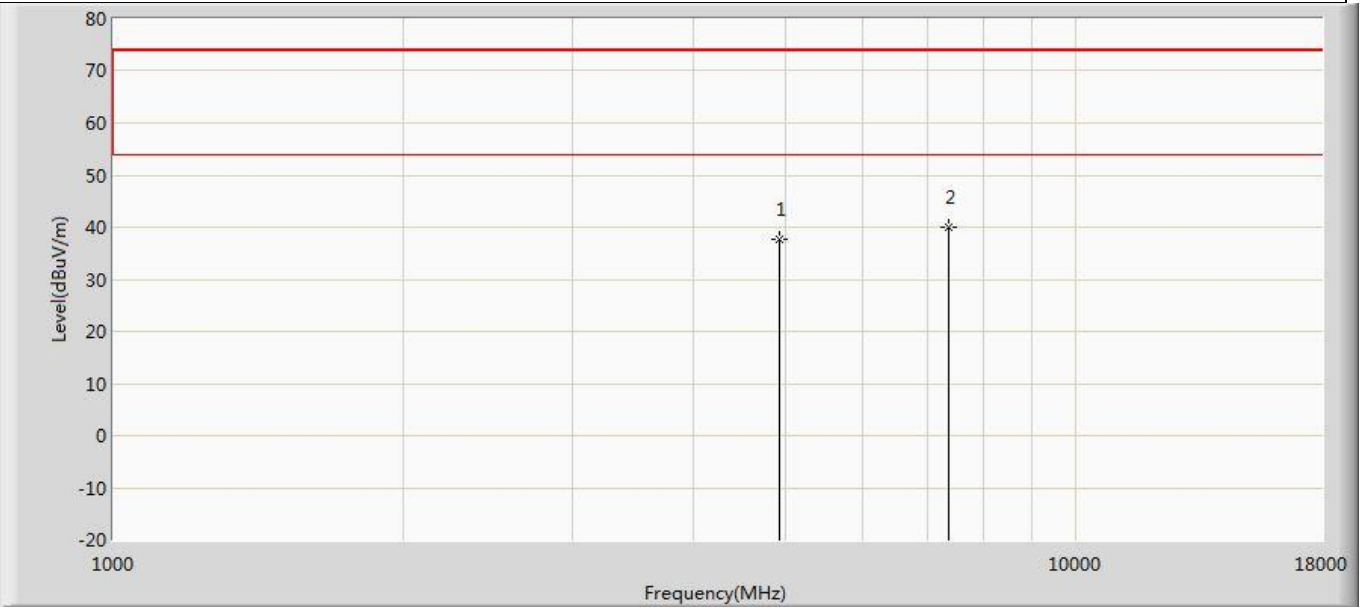
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4874.000	37.452	43.331	-36.548	74.000	-5.879	PK
2	*	7311.000	39.700	42.753	-34.300	74.000	-3.054	PK

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)	



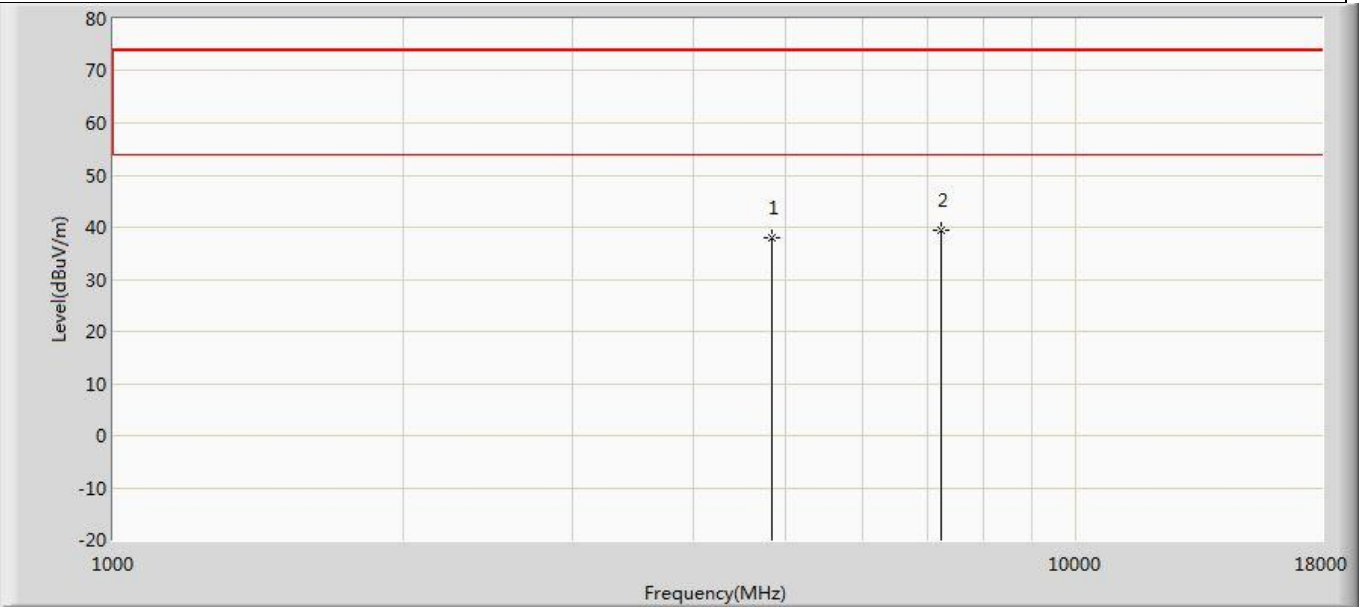
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4924.000	38.866	44.793	-35.134	74.000	-5.927	PK
2	*	7386.000	39.109	42.144	-34.891	74.000	-3.035	PK

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)	



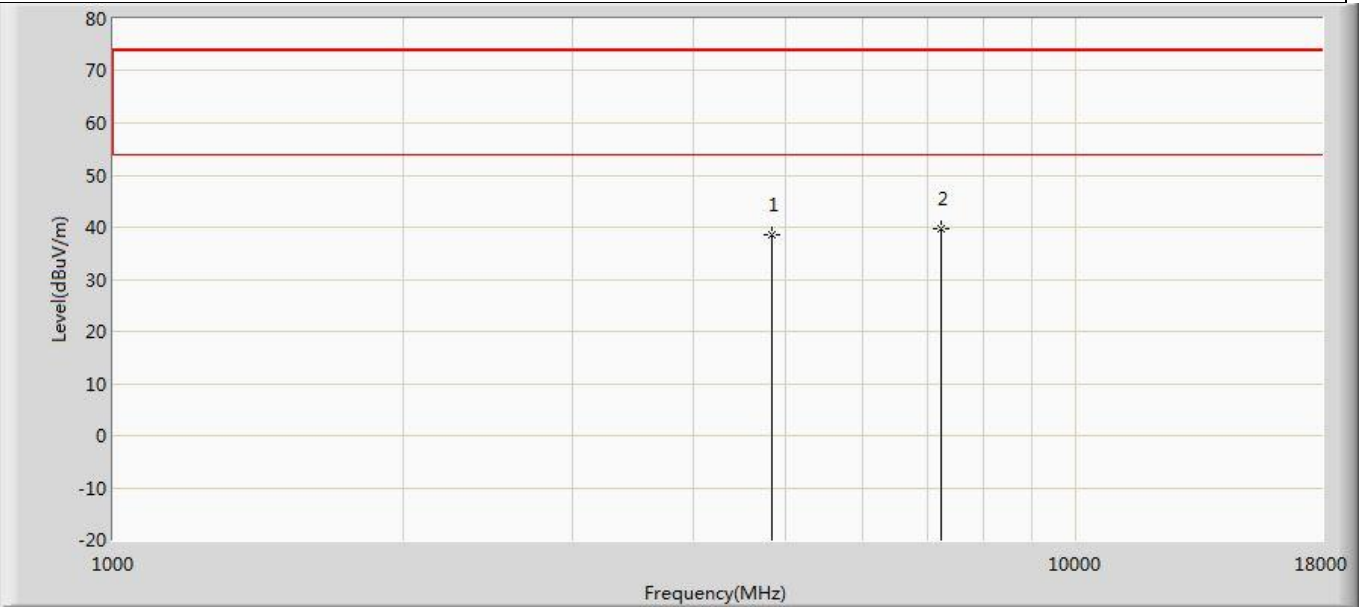
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4924.000	37.767	43.694	-36.233	74.000	-5.927	PK
2	*	7386.000	39.890	42.925	-34.110	74.000	-3.035	PK

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)	



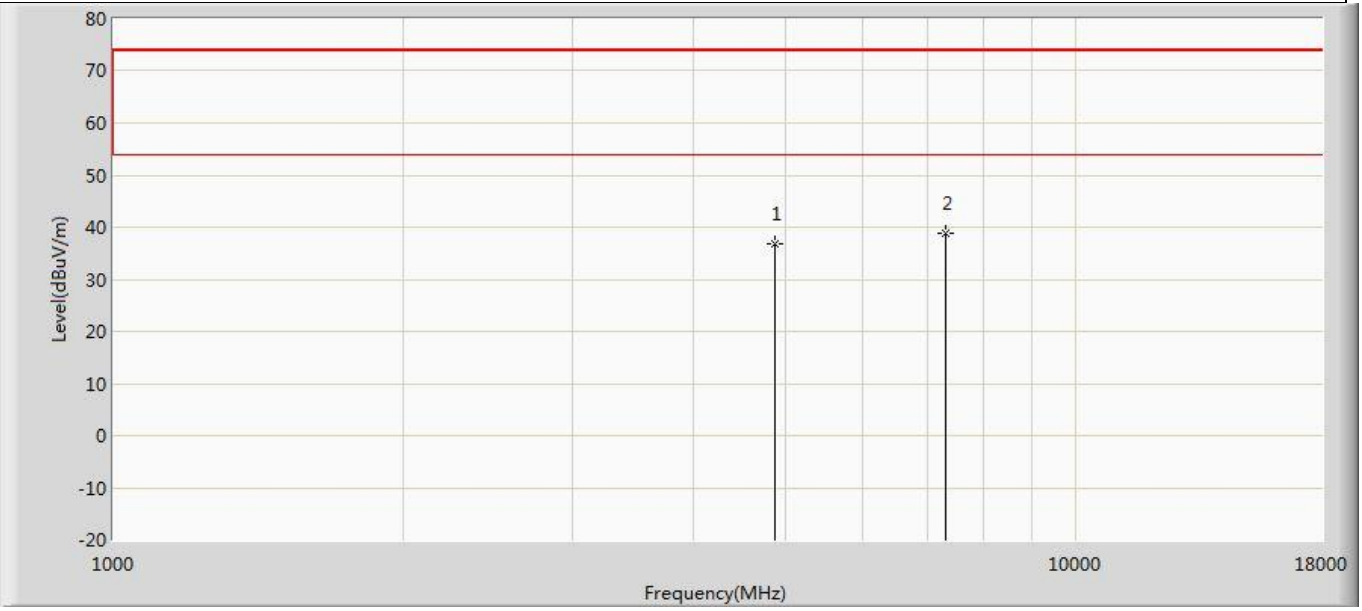
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4824.000	38.088	43.984	-35.912	74.000	-5.896	PK
2	*	7236.000	39.546	42.503	-34.454	74.000	-2.957	PK

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)	



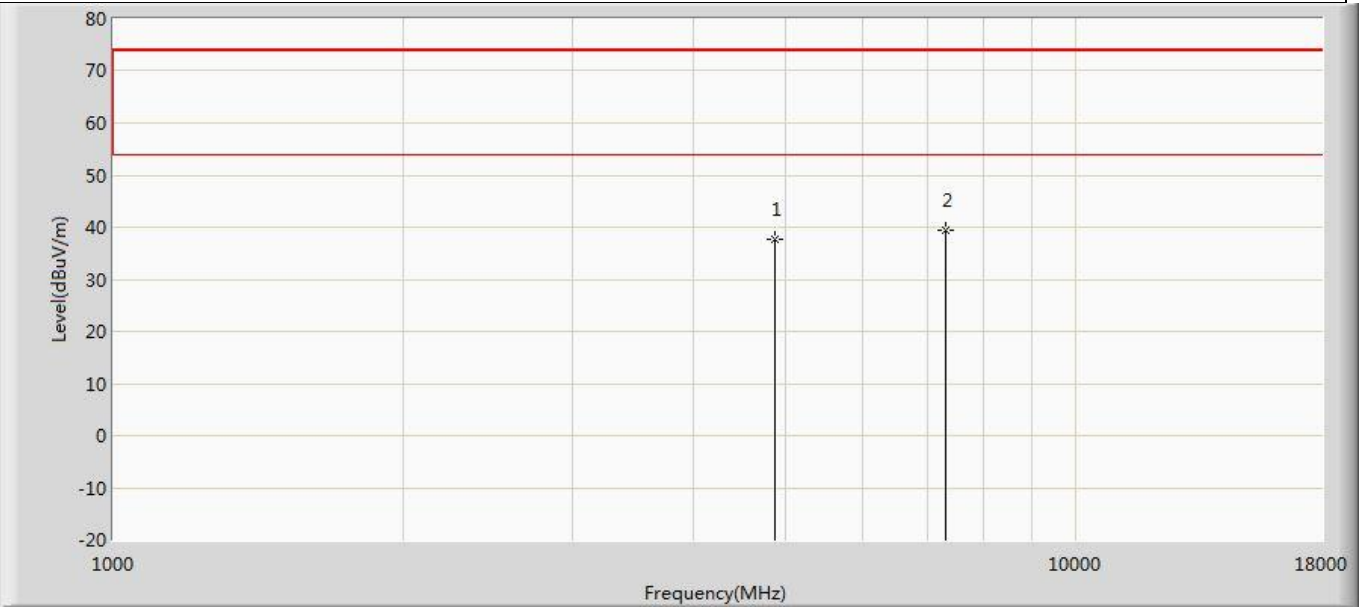
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4824.000	38.555	44.451	-35.445	74.000	-5.896	PK
2	*	7236.000	39.711	42.668	-34.289	74.000	-2.957	PK

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)	



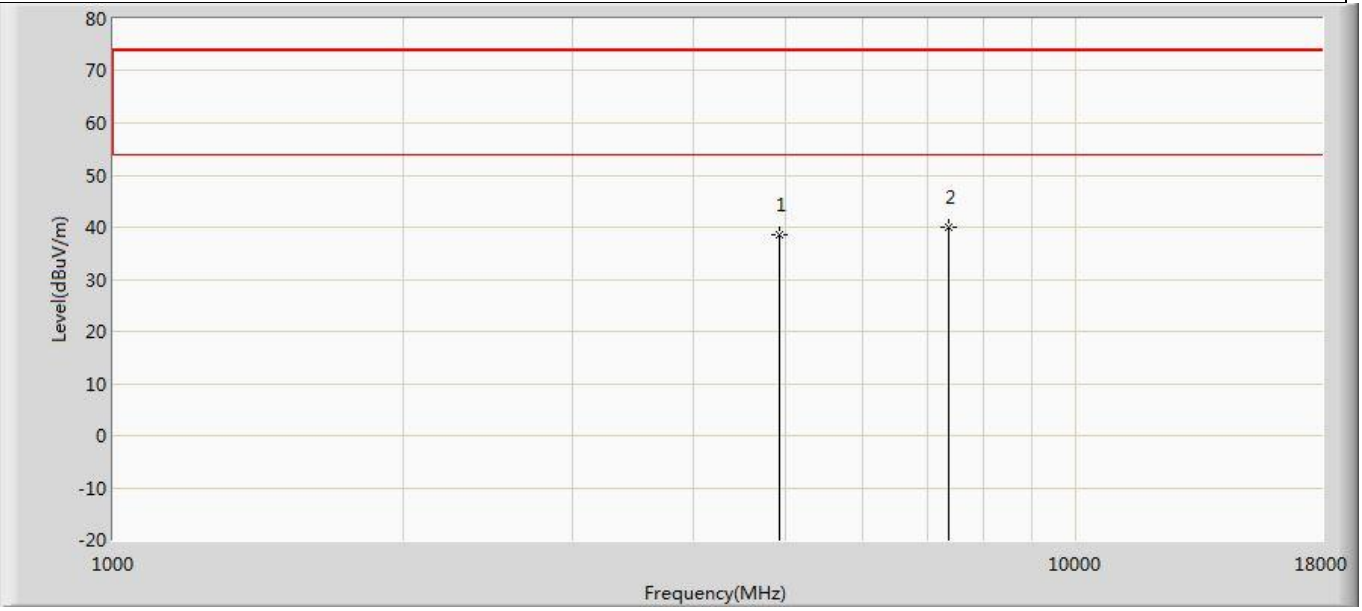
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4874.000	36.755	42.634	-37.245	74.000	-5.879	PK
2	*	7311.000	38.715	41.768	-35.285	74.000	-3.054	PK

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)	



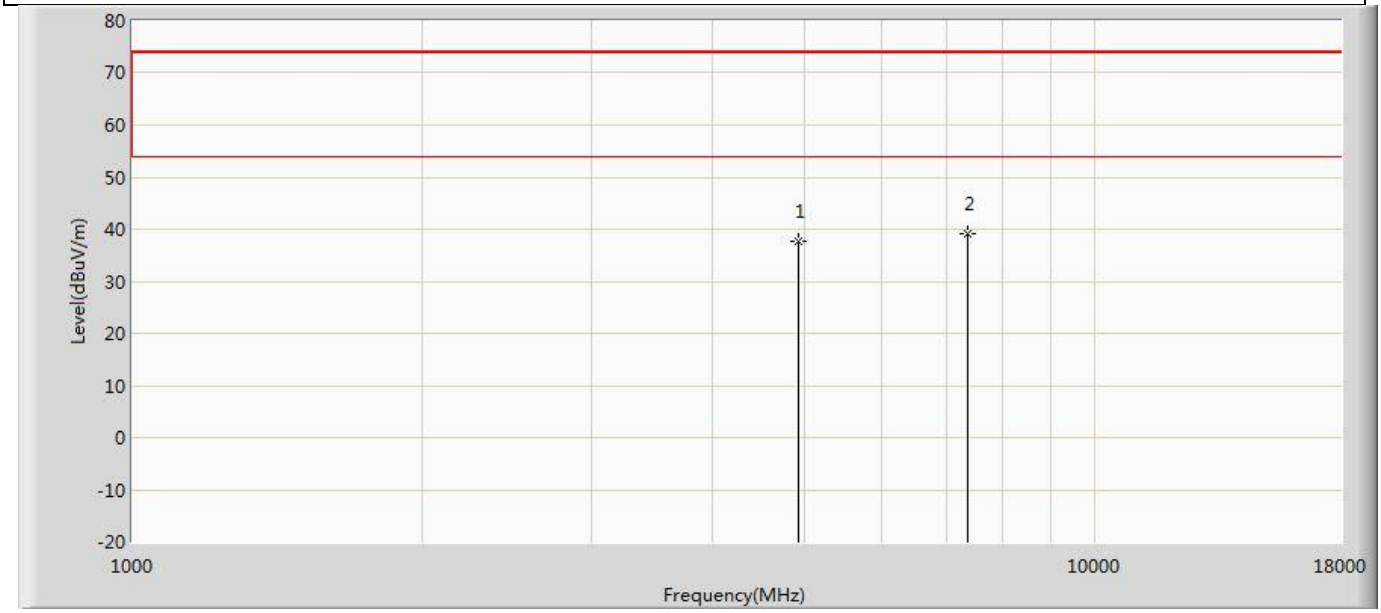
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4874.000	37.692	43.571	-36.308	74.000	-5.879	PK
2	*	7311.000	39.347	42.400	-34.653	74.000	-3.054	PK

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

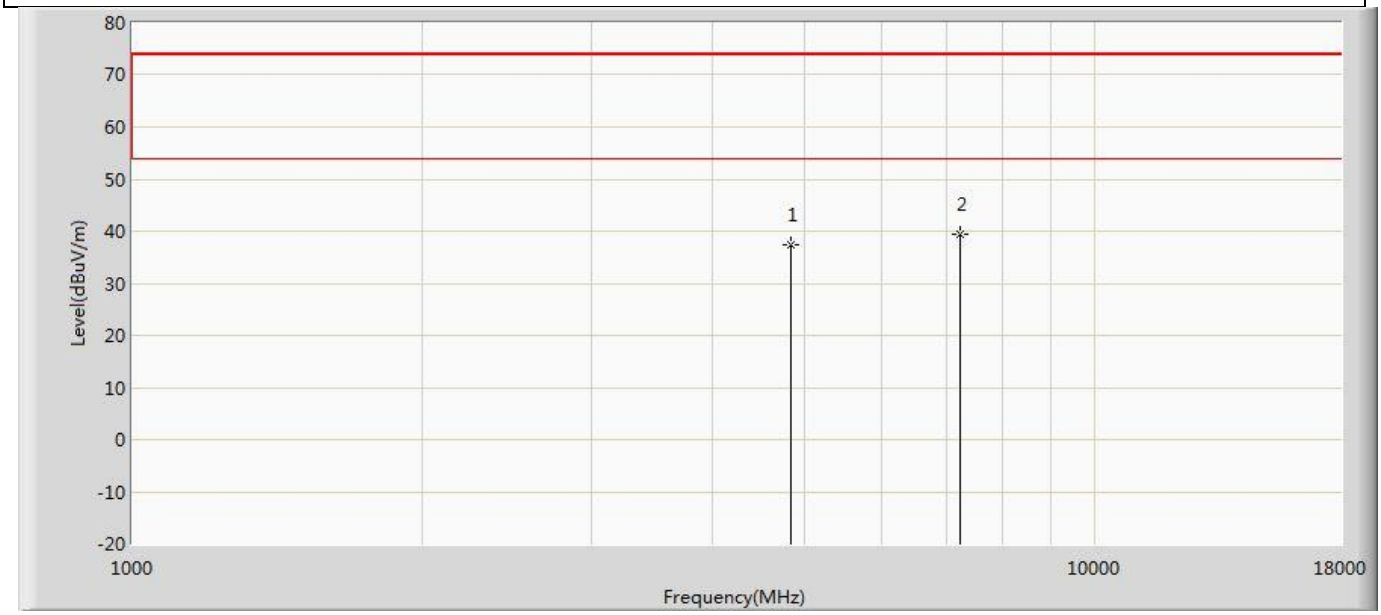
Profile: 20B0117R	Page No.: 24
Engineer: Neil	
Site: AC5	Time: 2021/01/16 - 10:55
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AP510CX	Power: PoE -48V
Note: Mode 2： Transmit at 2462MHz by 802.11ax(20MHz)	



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

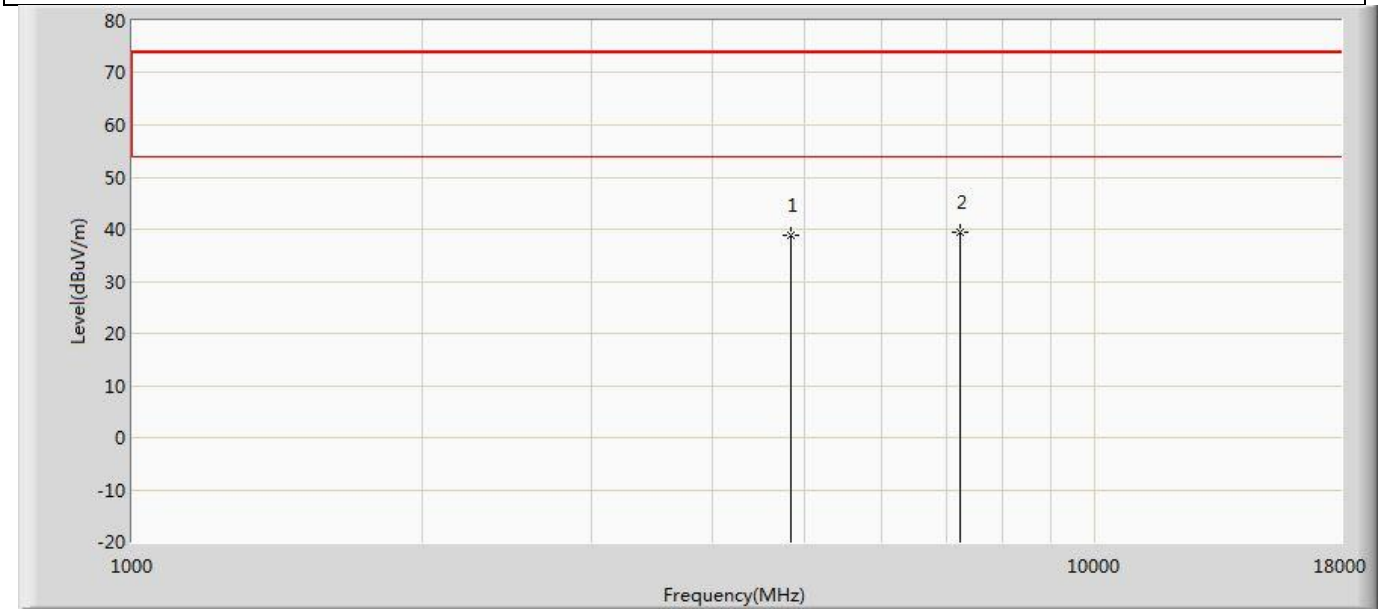
Dipole Antenna – MIMO（CDD 4TX）

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	



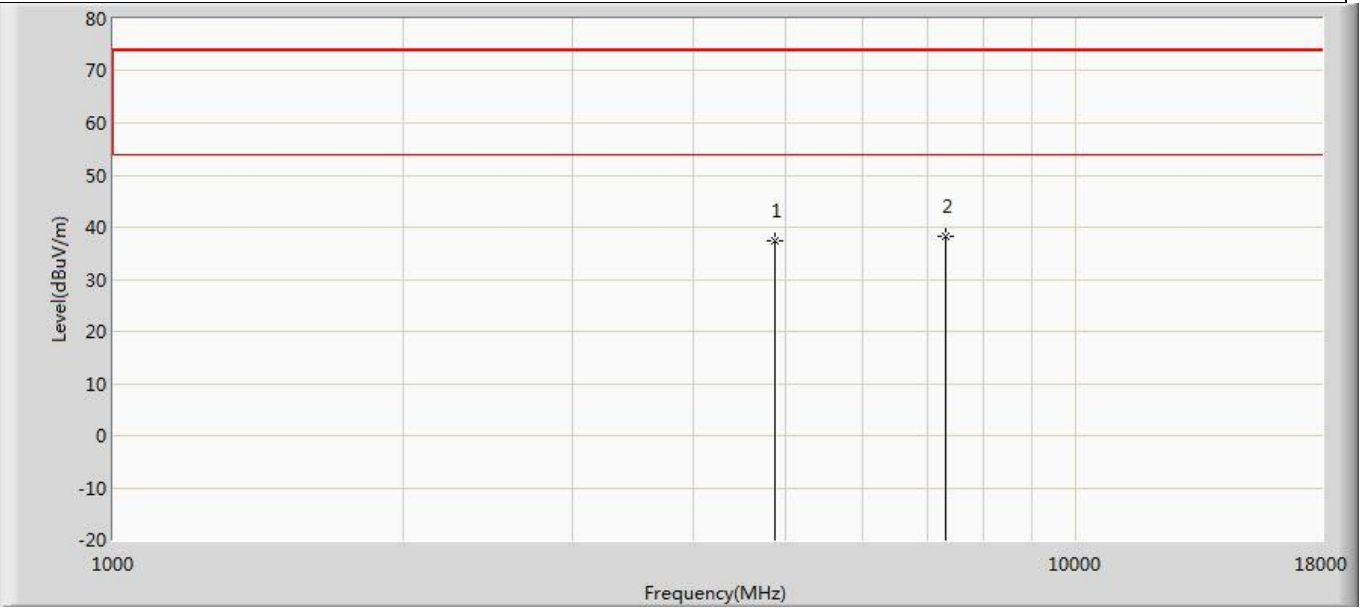
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4824.000	37.472	43.368	-36.528	74.000	-5.896	PK
2	*	7236.000	39.312	42.269	-34.688	74.000	-2.957	PK

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	



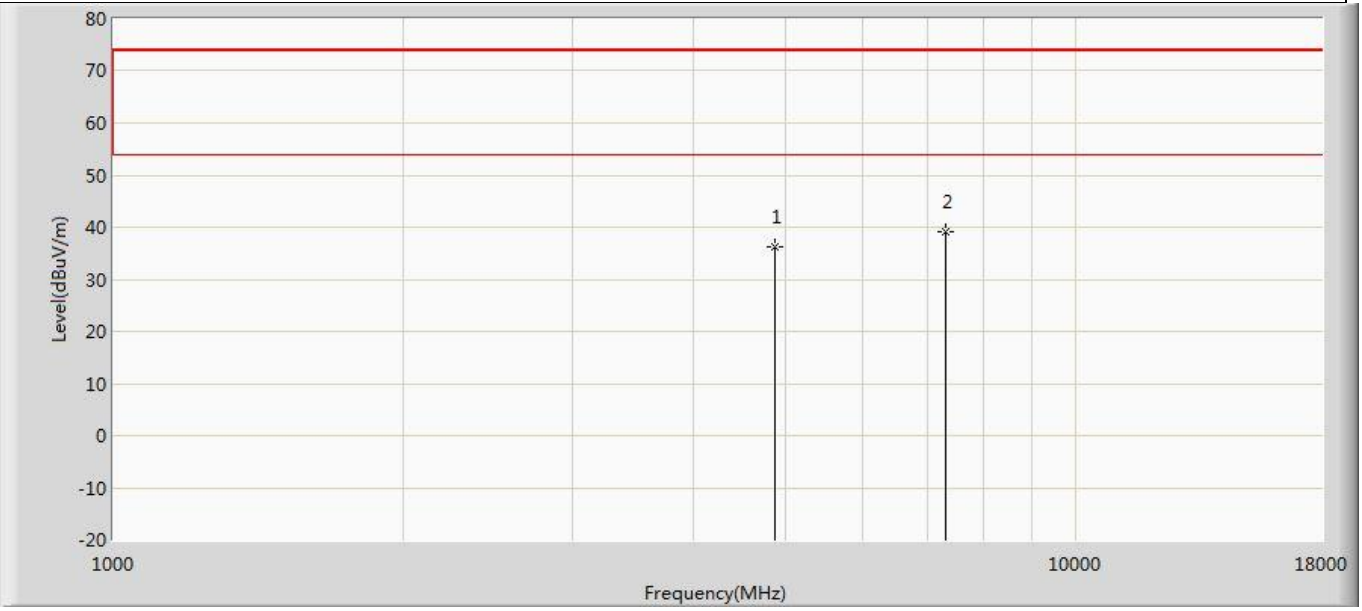
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4824.000	38.864	44.760	-35.136	74.000	-5.896	PK
2	*	7236.000	39.502	42.459	-34.498	74.000	-2.957	PK

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	



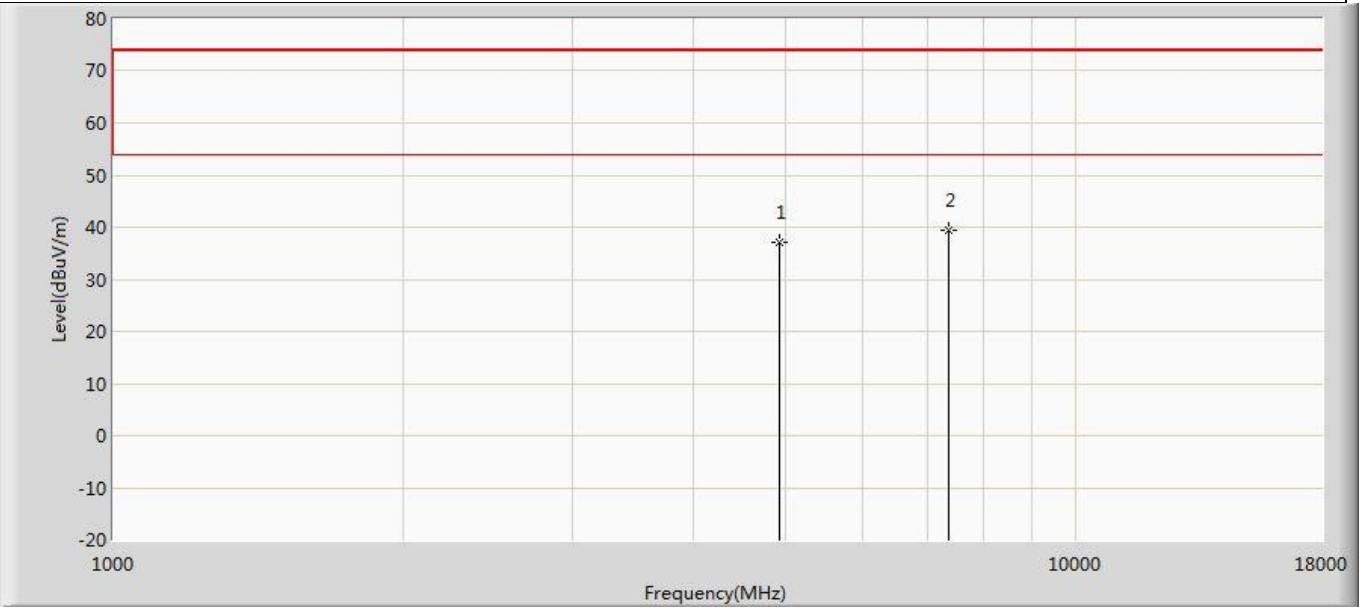
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4874.000	37.485	43.364	-36.515	74.000	-5.879	PK
2	*	7311.000	38.177	41.230	-35.823	74.000	-3.054	PK

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	



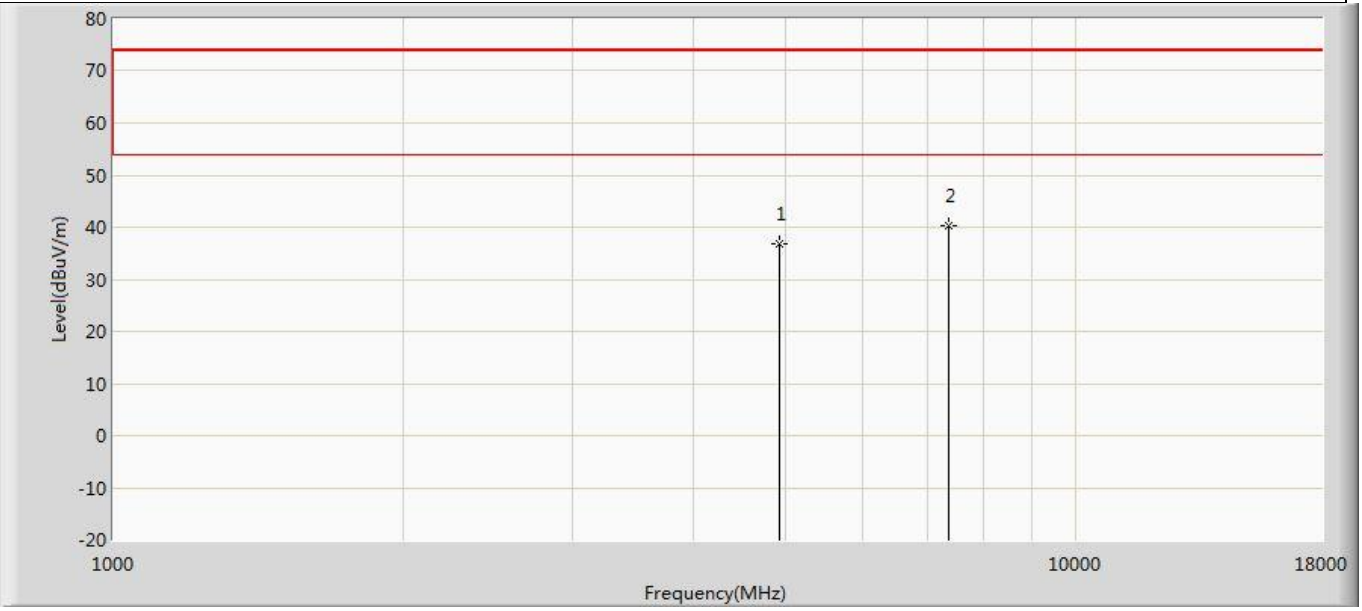
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4874.000	36.271	42.150	-37.729	74.000	-5.879	PK
2	*	7311.000	39.165	42.218	-34.835	74.000	-3.054	PK

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	



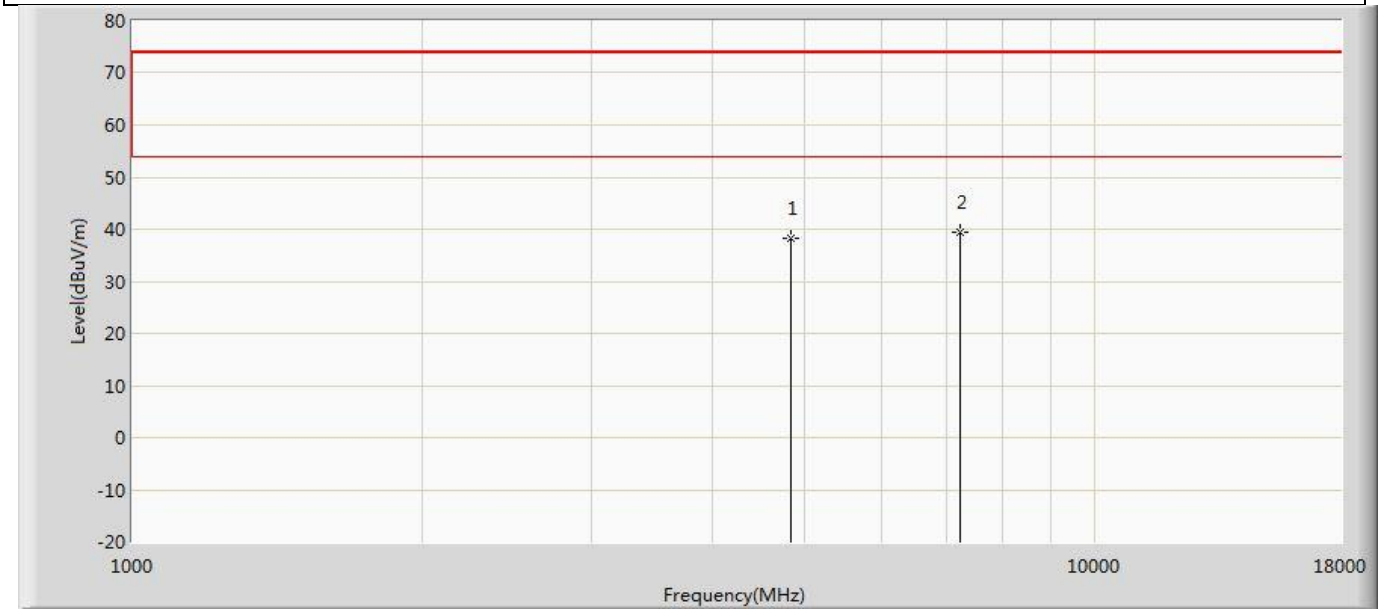
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4924.000	37.182	43.109	-36.818	74.000	-5.927	PK
2	*	7386.000	39.546	42.581	-34.454	74.000	-3.035	PK

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	



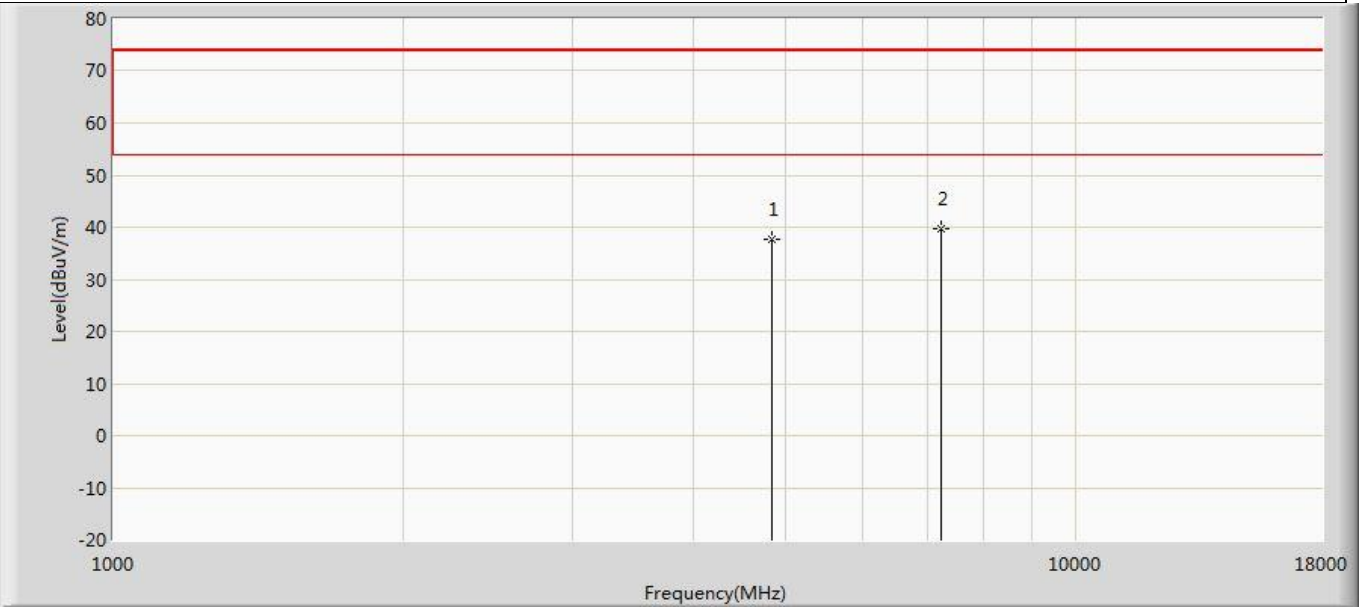
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4924.000	36.712	42.639	-37.288	74.000	-5.927	PK
2	*	7386.000	40.146	43.181	-33.854	74.000	-3.035	PK

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	



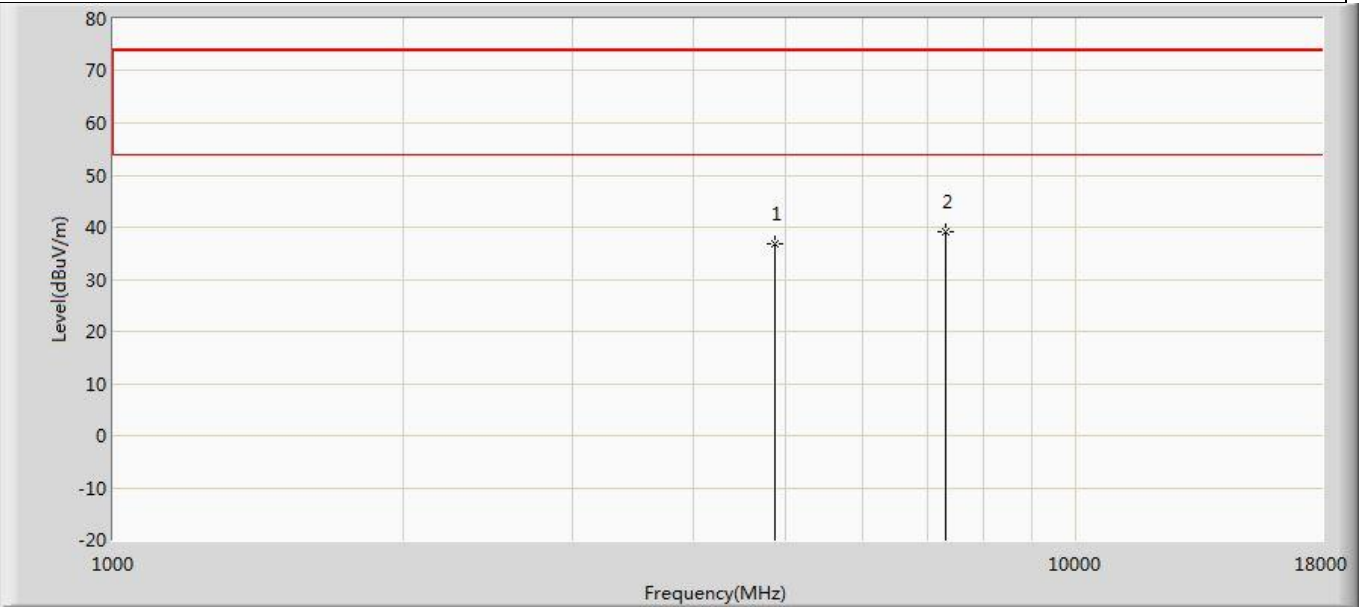
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4824.000	38.200	44.096	-35.800	74.000	-5.896	PK
2	*	7236.000	39.531	42.488	-34.469	74.000	-2.957	PK

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	



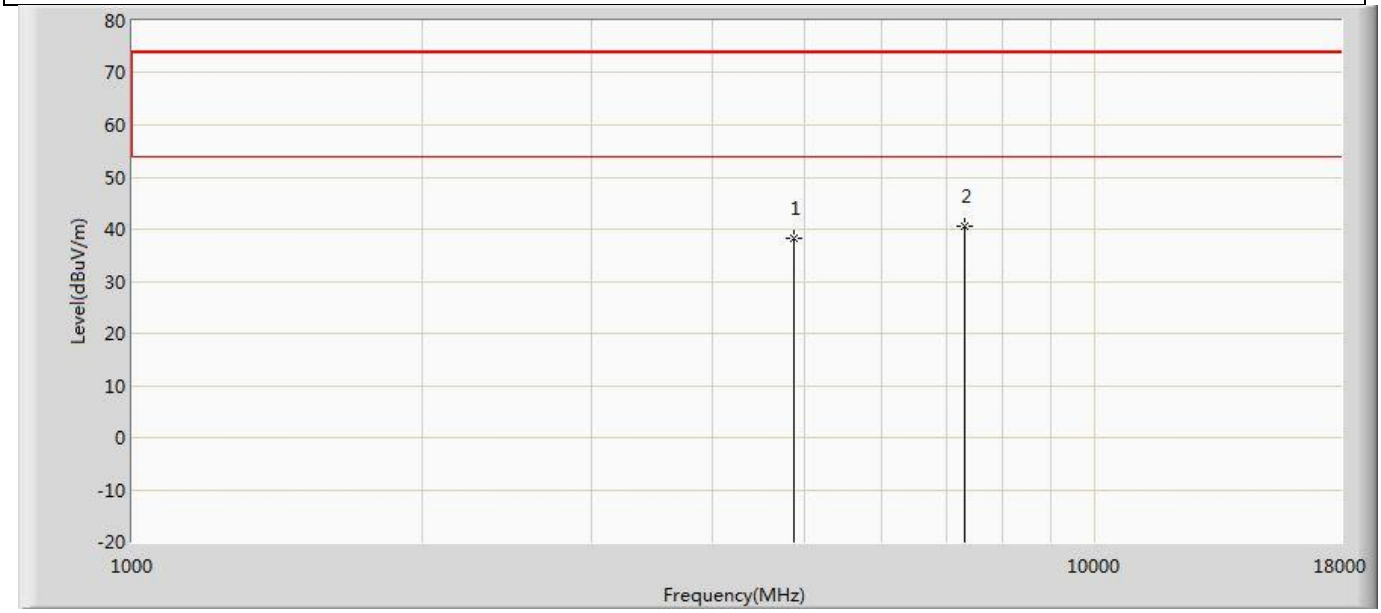
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4824.000	37.753	43.649	-36.247	74.000	-5.896	PK
2	*	7236.000	39.606	42.563	-34.394	74.000	-2.957	PK

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	



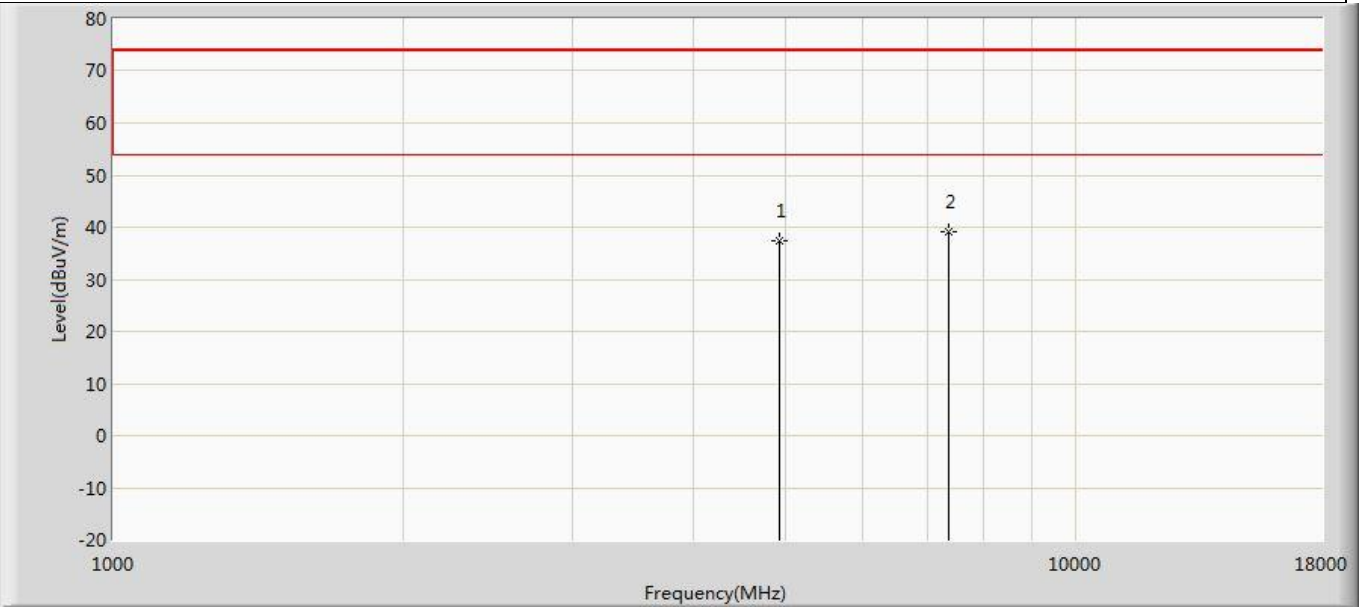
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4874.000	36.670	42.549	-37.330	74.000	-5.879	PK
2	*	7311.000	39.197	42.250	-34.803	74.000	-3.054	PK

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	



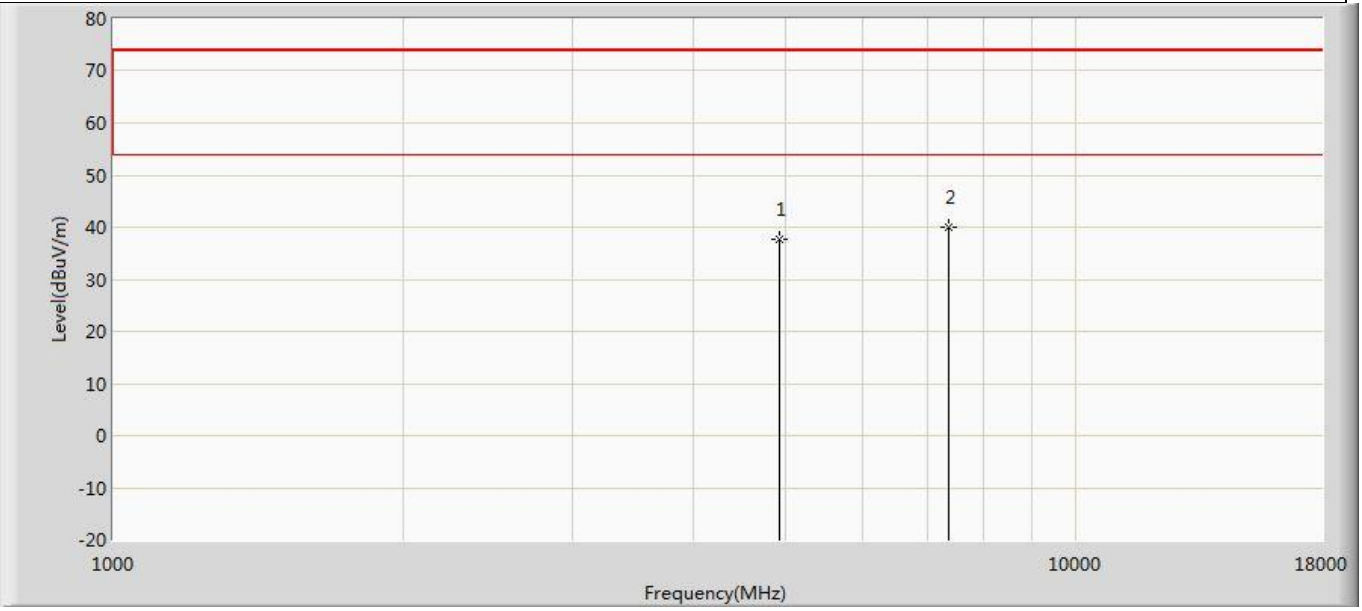
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4874.000	38.344	44.223	-35.656	74.000	-5.879	PK
2	*	7311.000	40.612	43.665	-33.388	74.000	-3.054	PK

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	



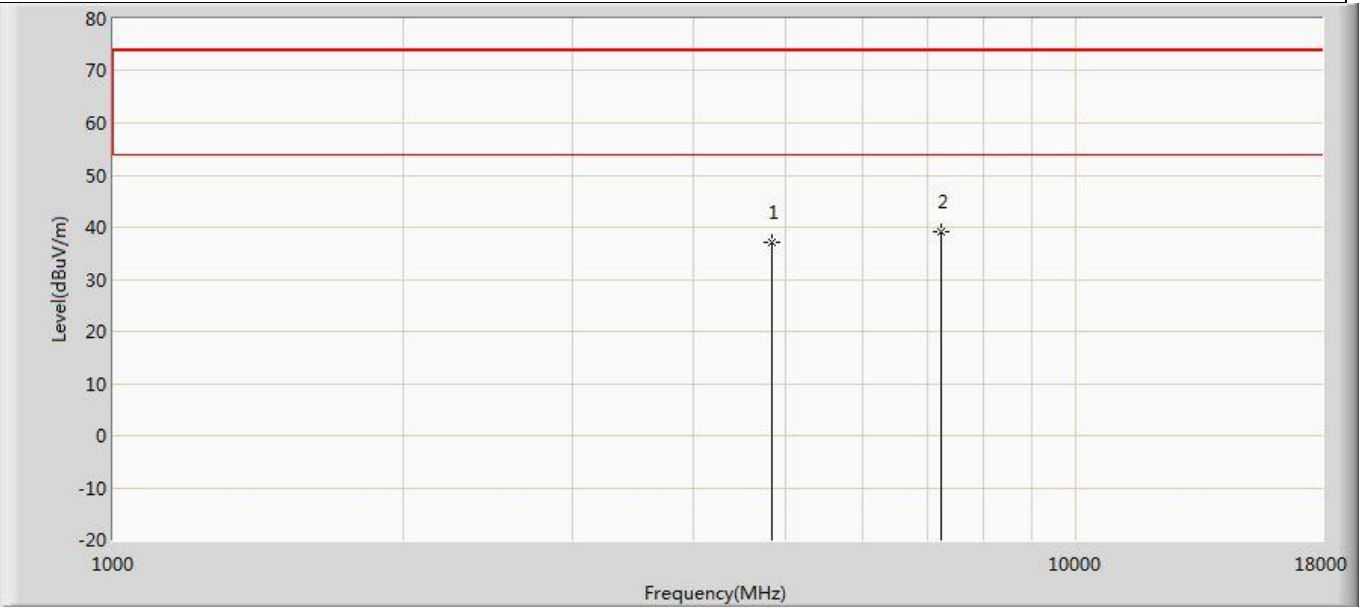
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4924.000	37.522	43.449	-36.478	74.000	-5.927	PK
2	*	7386.000	39.051	42.086	-34.949	74.000	-3.035	PK

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	



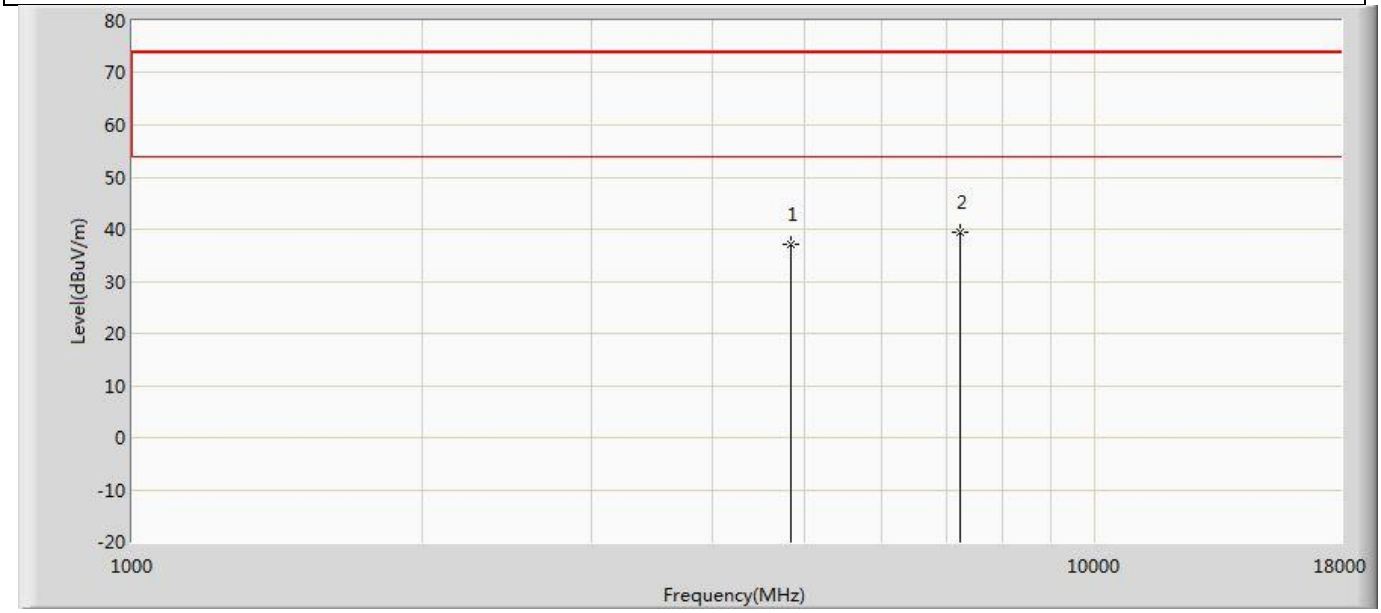
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4924.000	37.558	43.485	-36.442	74.000	-5.927	PK
2	*	7386.000	39.871	42.906	-34.129	74.000	-3.035	PK

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)	



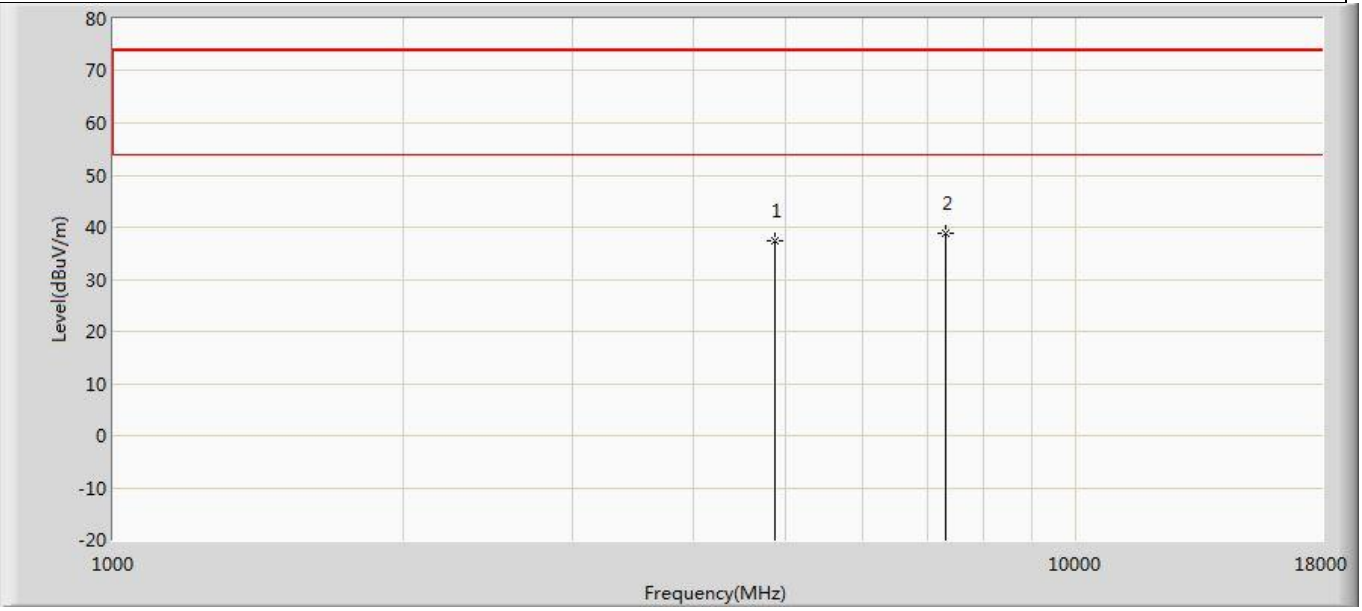
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4824.000	37.031	42.927	-36.969	74.000	-5.896	PK
2	*	7236.000	39.166	42.123	-34.834	74.000	-2.957	PK

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)	



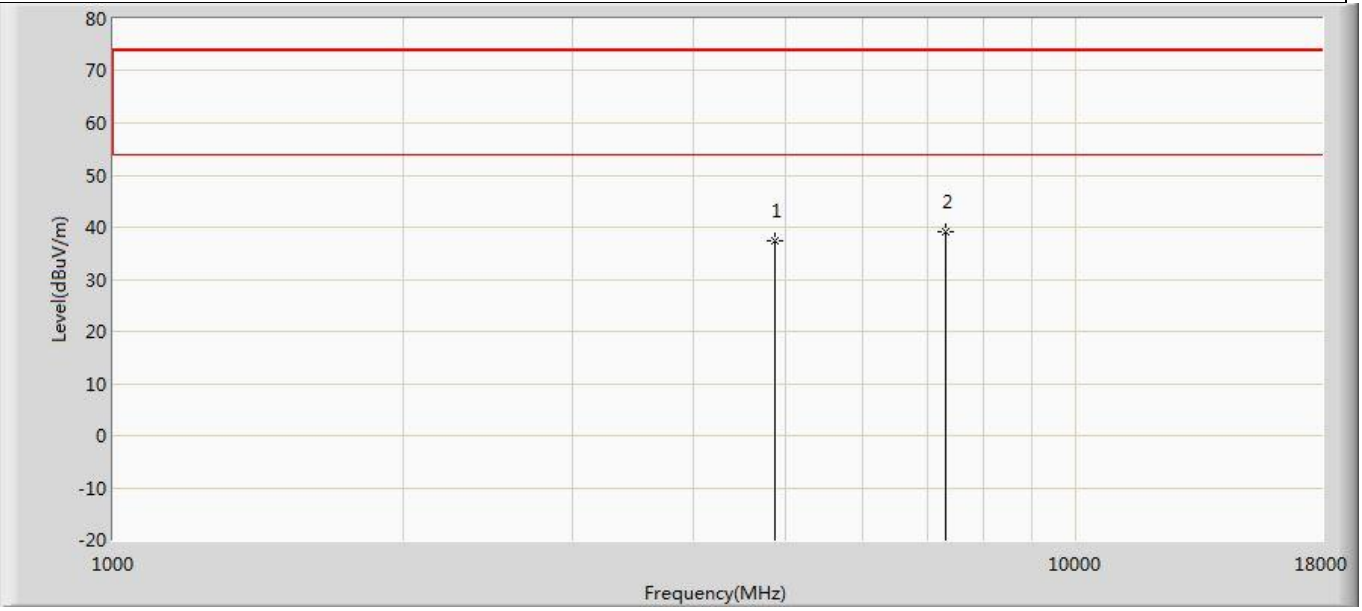
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4824.000	36.989	42.885	-37.011	74.000	-5.896	PK
2	*	7236.000	39.317	42.274	-34.683	74.000	-2.957	PK

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)	



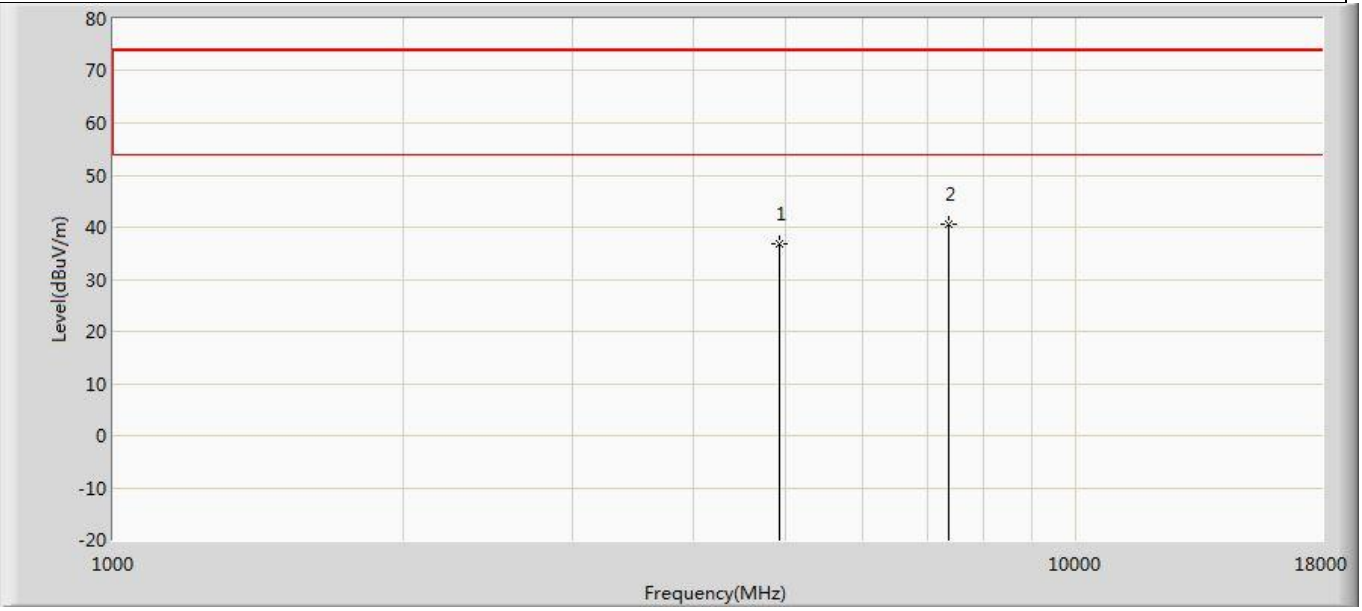
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4874.000	37.327	43.206	-36.673	74.000	-5.879	PK
2	*	7311.000	38.979	42.032	-35.021	74.000	-3.054	PK

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)	



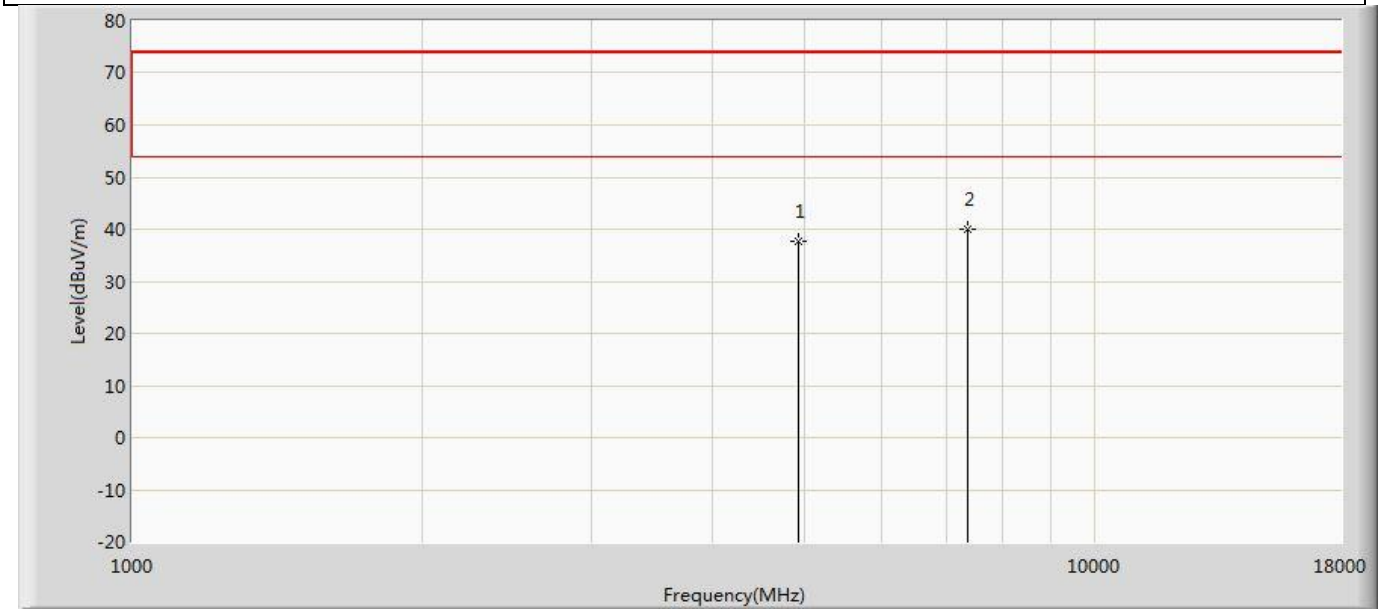
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4874.000	37.511	43.390	-36.489	74.000	-5.879	PK
2	*	7311.000	39.147	42.200	-34.853	74.000	-3.054	PK

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)	



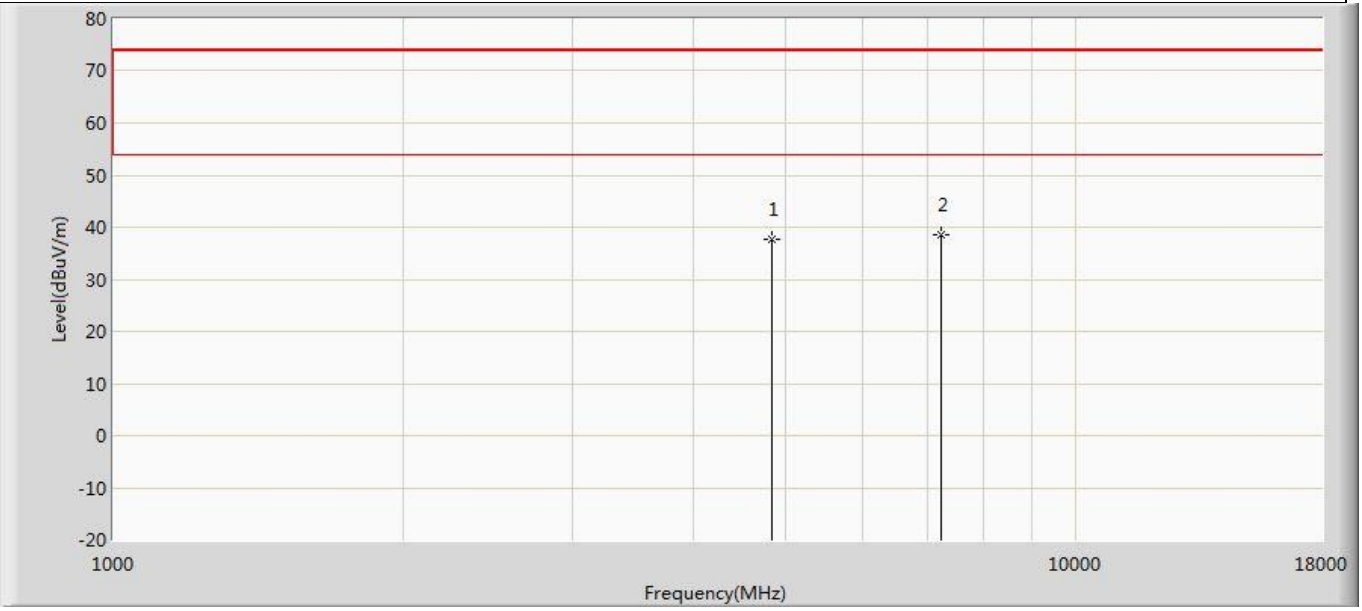
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4924.000	36.903	42.830	-37.097	74.000	-5.927	PK
2	*	7386.000	40.537	43.572	-33.463	74.000	-3.035	PK

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)	



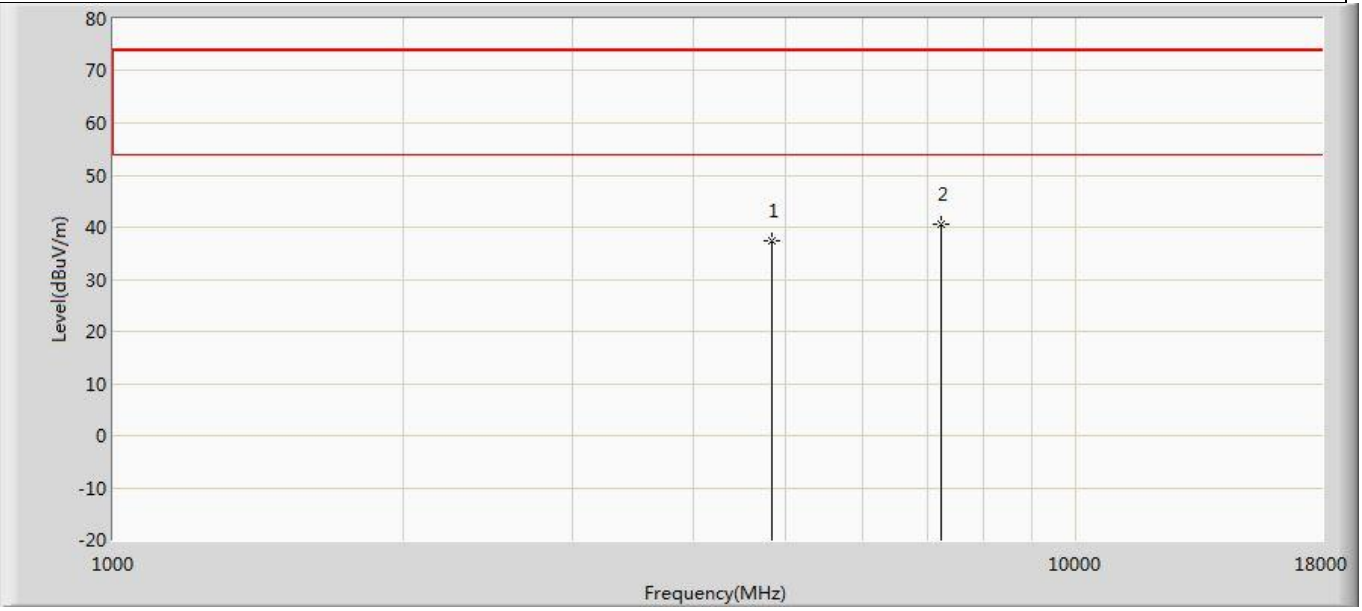
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4924.000	37.778	43.705	-36.222	74.000	-5.927	PK
2	*	7386.000	39.857	42.892	-34.143	74.000	-3.035	PK

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)	



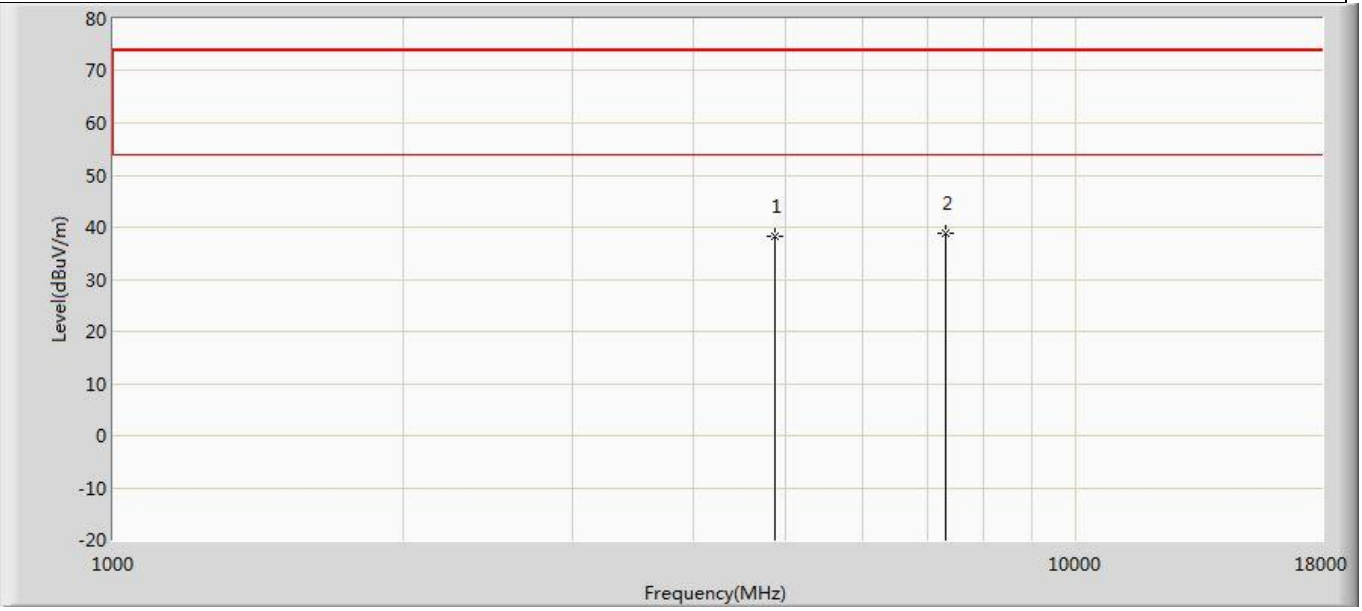
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4824.000	37.712	43.608	-36.288	74.000	-5.896	PK
2	*	7236.000	38.555	41.512	-35.445	74.000	-2.957	PK

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)	



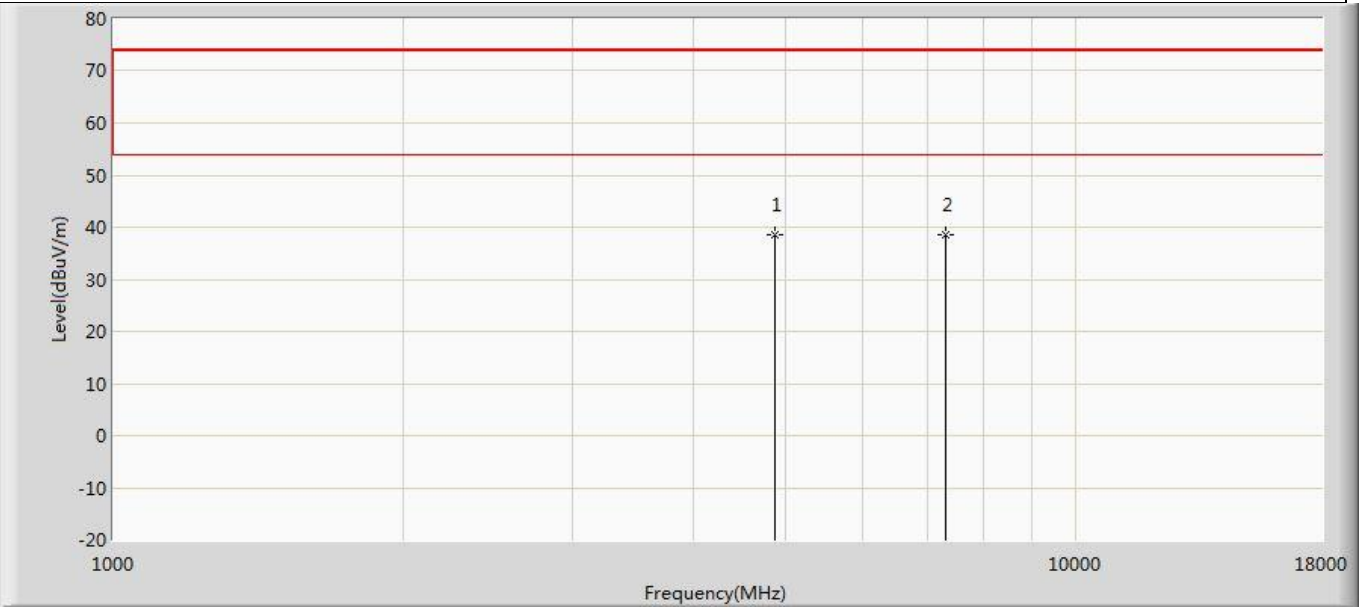
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4824.000	37.349	43.245	-36.651	74.000	-5.896	PK
2	*	7236.000	40.592	43.549	-33.408	74.000	-2.957	PK

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)	



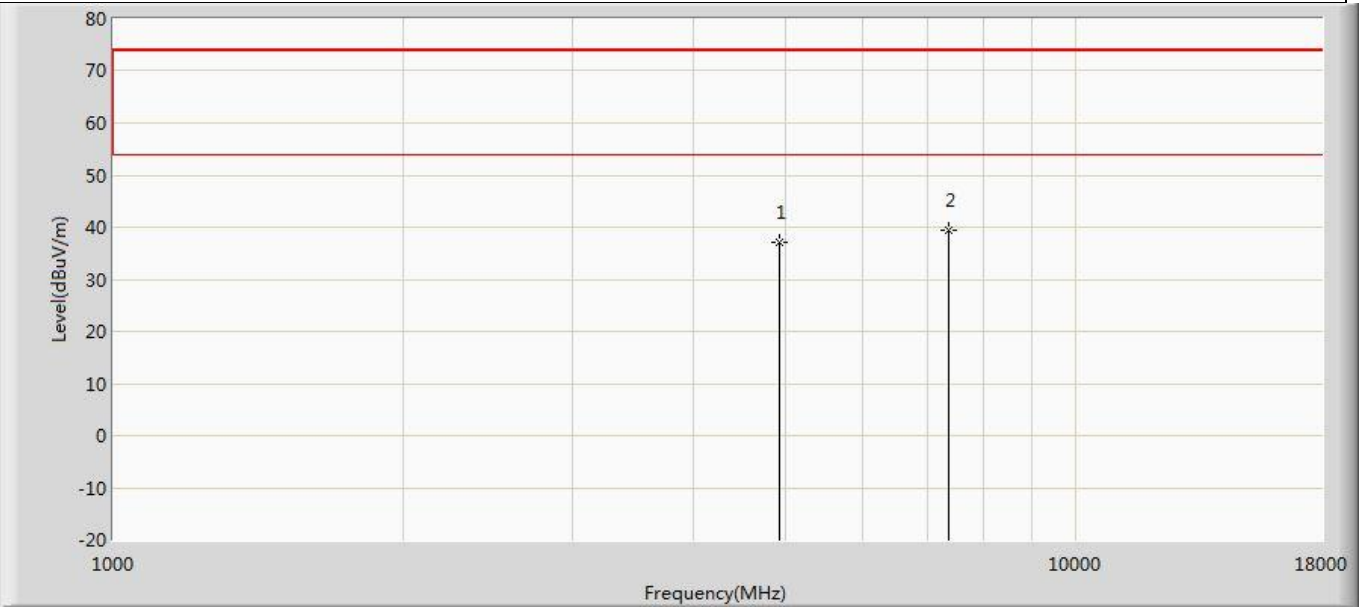
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4874.000	38.267	44.146	-35.733	74.000	-5.879	PK
2	*	7311.000	38.953	42.006	-35.047	74.000	-3.054	PK

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)	



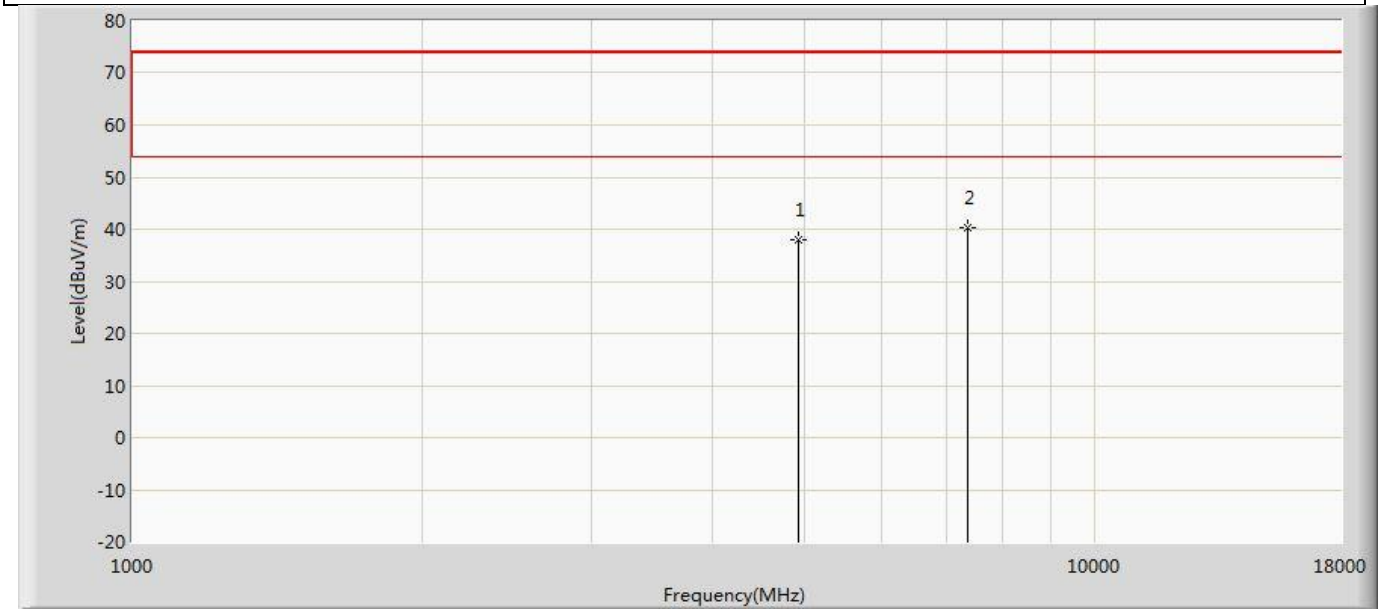
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1	*	4874.000	38.592	44.471	-35.408	74.000	-5.879	PK
2		7311.000	38.410	41.463	-35.590	74.000	-3.054	PK

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

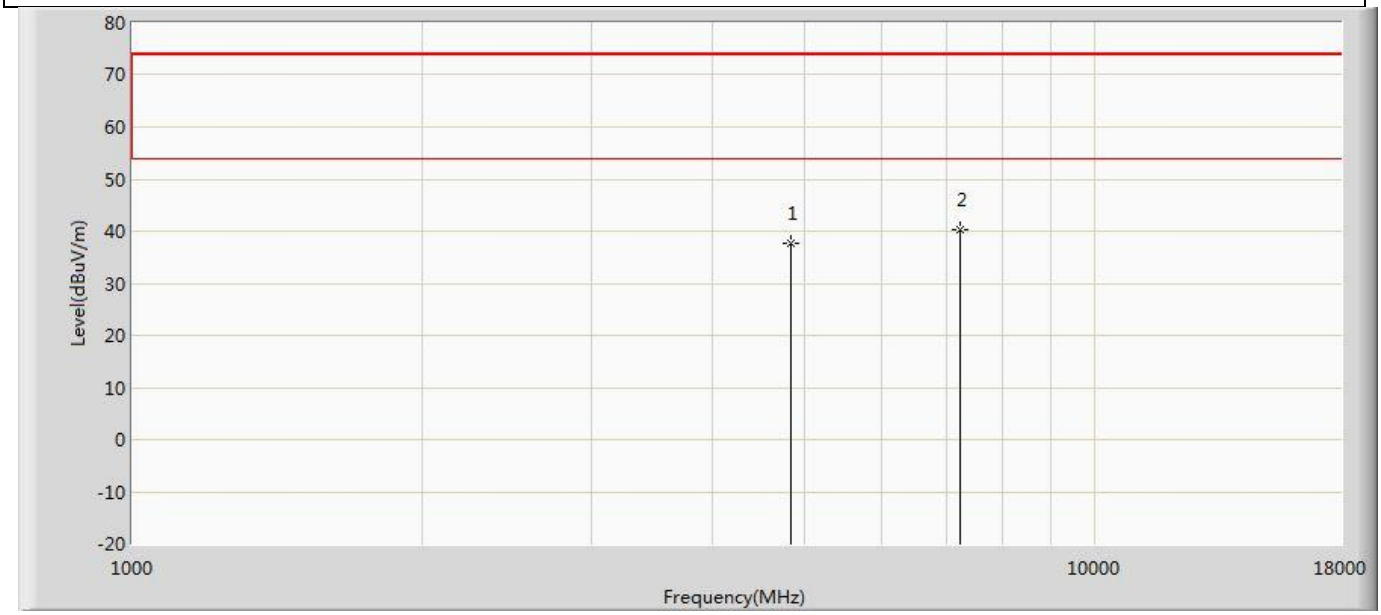
Profile: 20B0117R	Page No.: 48
Engineer: Neil	
Site: AC5	Time: 2021/01/16 - 10:49
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AP510CX	Power: PoE -48V
Note: Mode 4： Transmit at 2462MHz by 802.11ax(20MHz)	



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

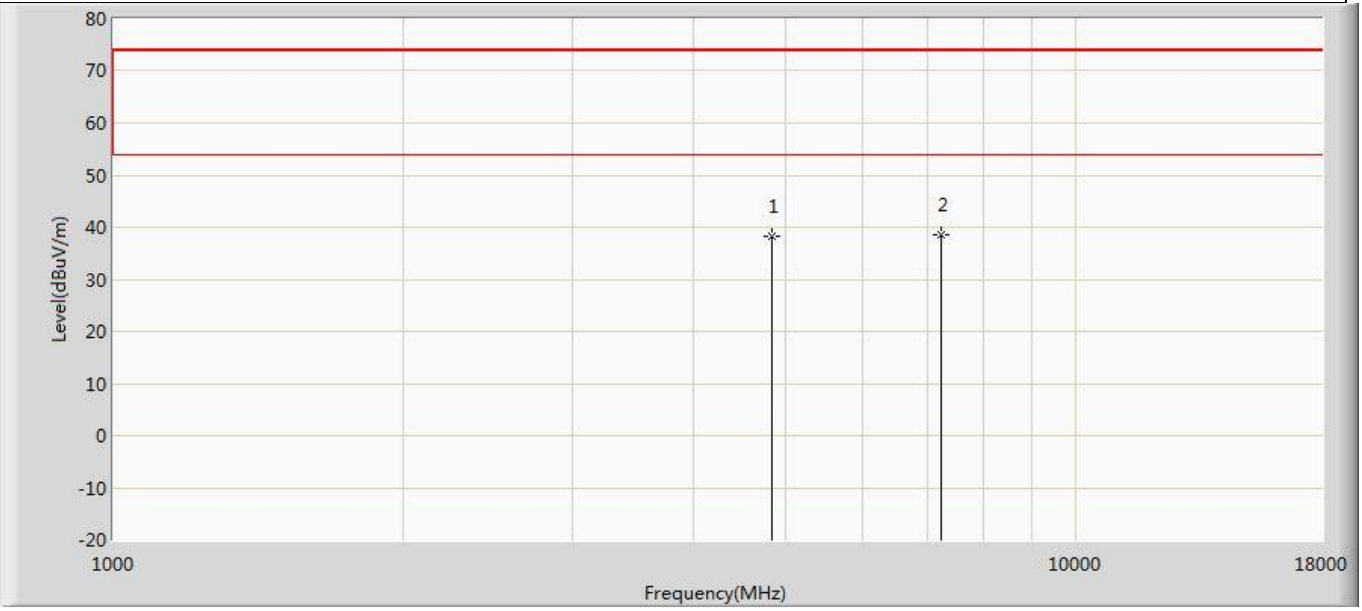
Dipole Antenna – MIMO（Beamforming 4TX）

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)	



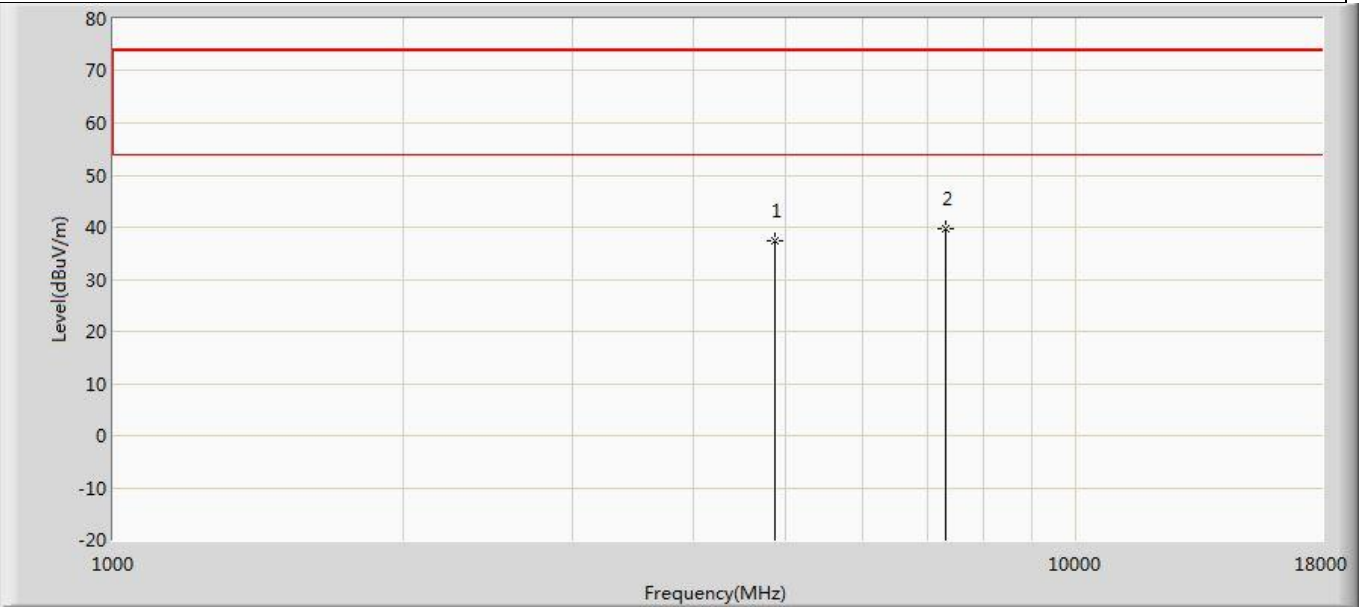
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4824.000	37.721	43.617	-36.279	74.000	-5.896	PK
2	*	7236.000	40.149	43.106	-33.851	74.000	-2.957	PK

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)	



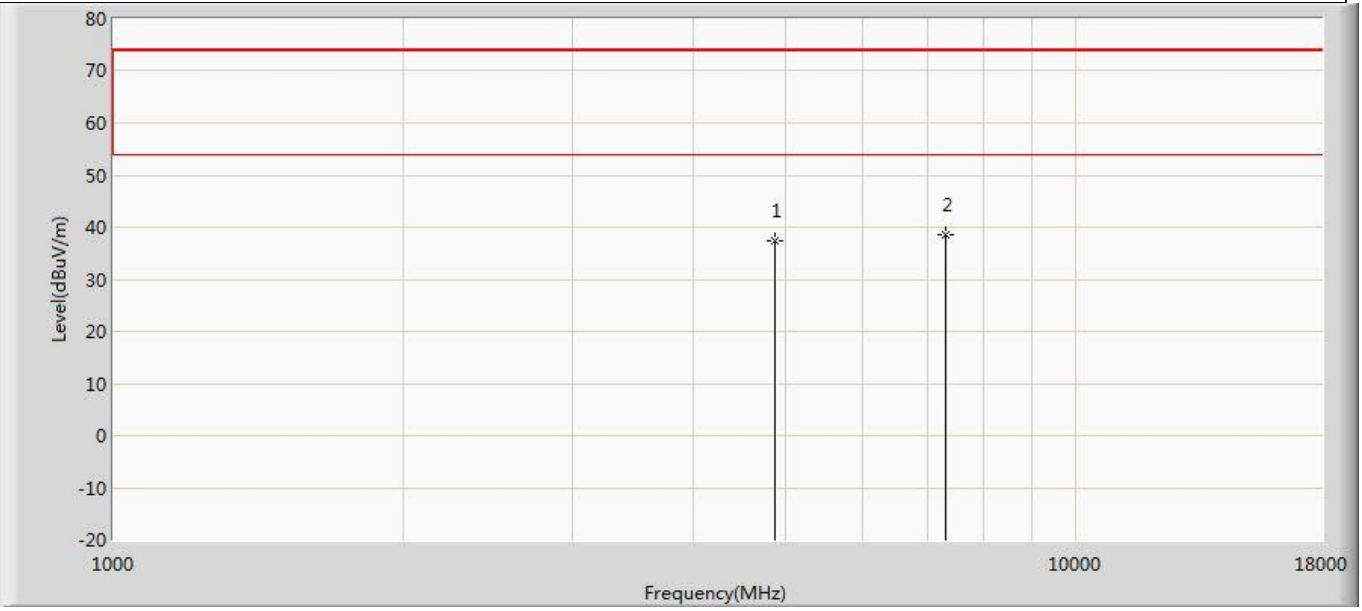
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4824.000	38.359	44.255	-35.641	74.000	-5.896	PK
2	*	7236.000	38.655	41.612	-35.345	74.000	-2.957	PK

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)	



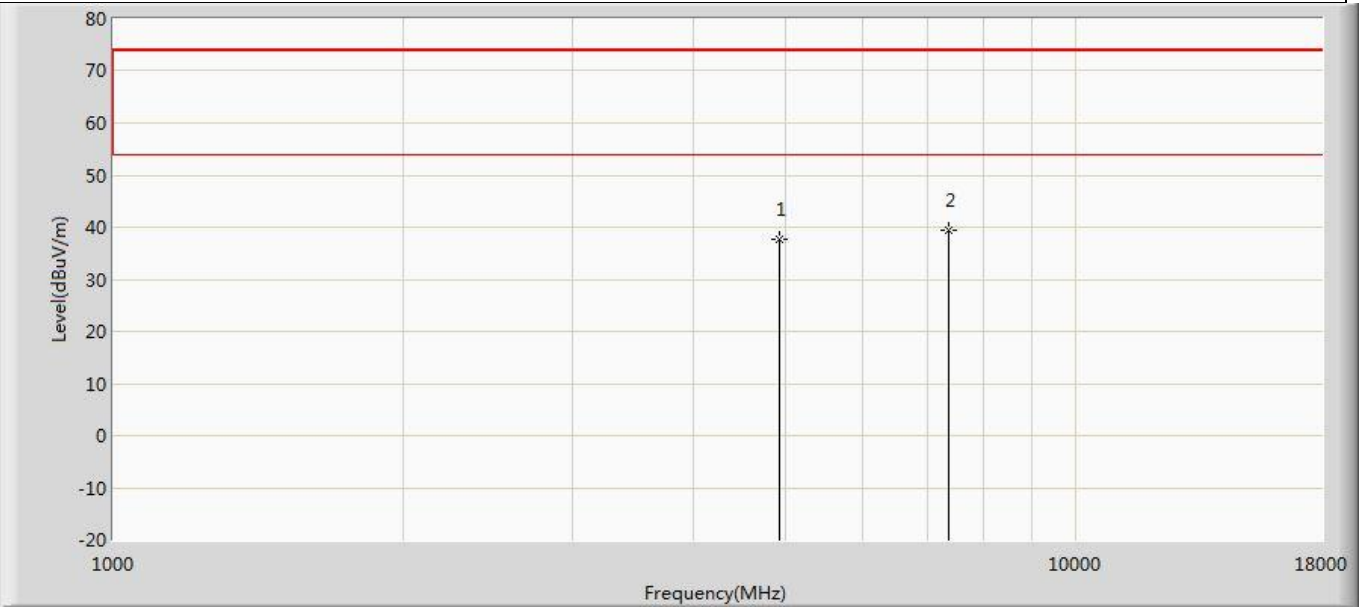
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4874.000	37.428	43.307	-36.572	74.000	-5.879	PK
2	*	7311.000	39.667	42.720	-34.333	74.000	-3.054	PK

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)	



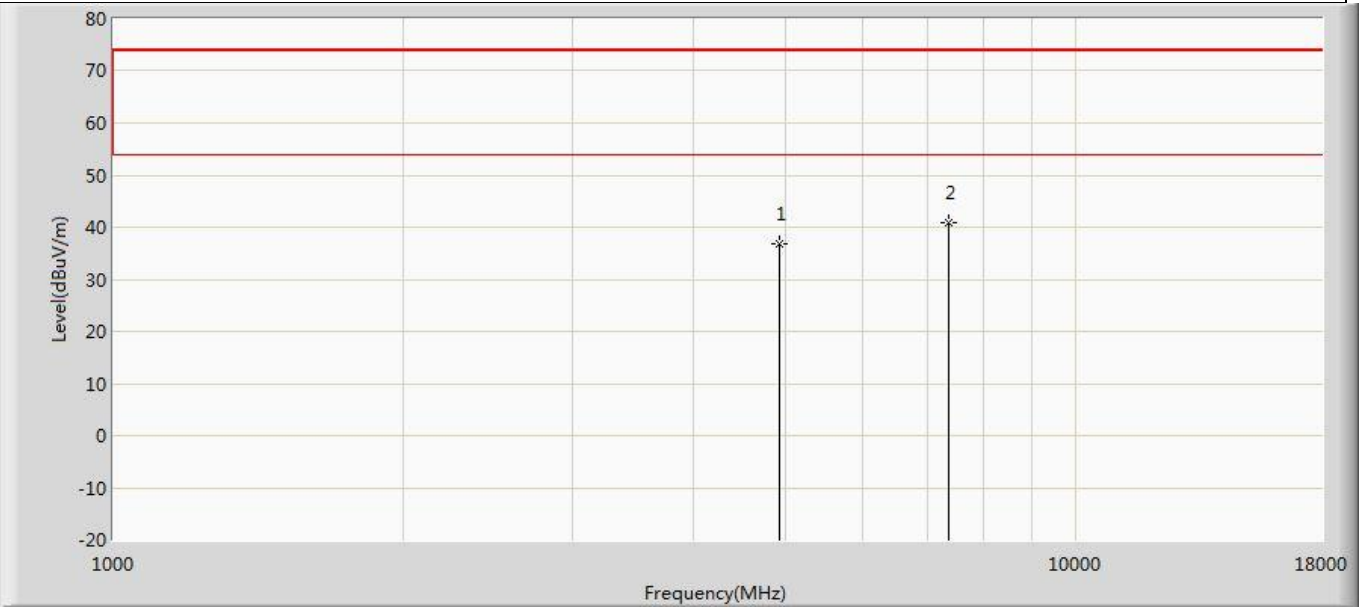
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4874.000	37.521	43.400	-36.479	74.000	-5.879	PK
2	*	7311.000	38.443	41.496	-35.557	74.000	-3.054	PK

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)	



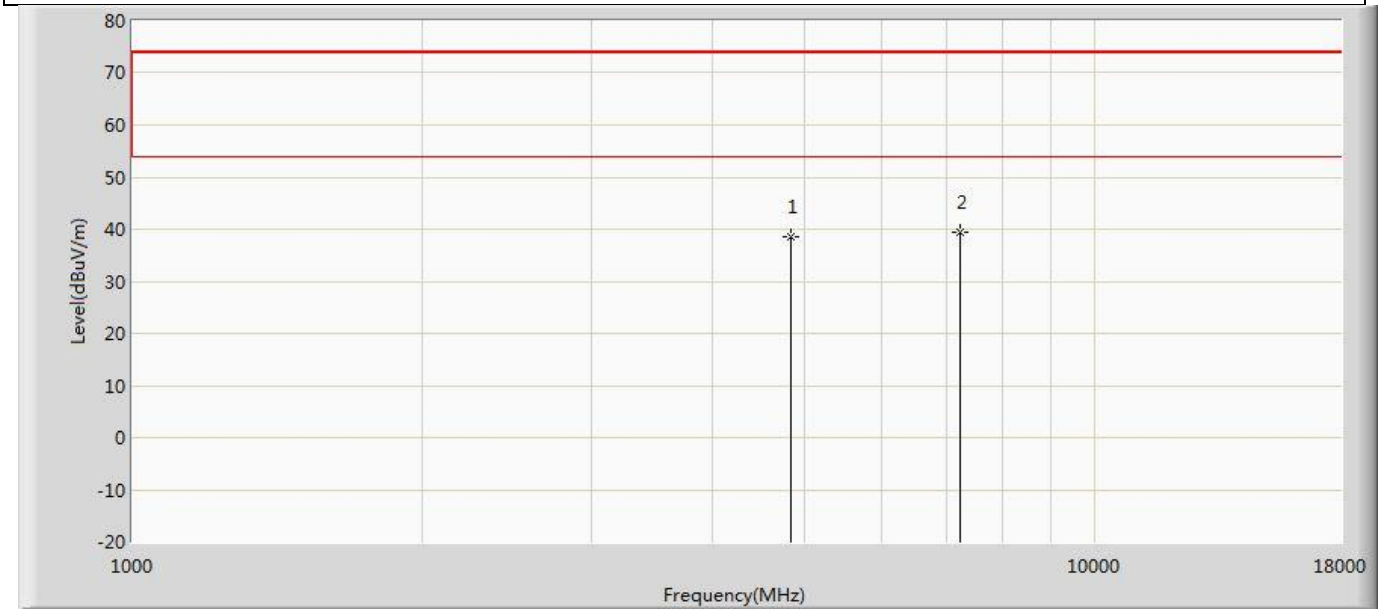
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4924.000	37.559	43.486	-36.441	74.000	-5.927	PK
2	*	7386.000	39.546	42.581	-34.454	74.000	-3.035	PK

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)	



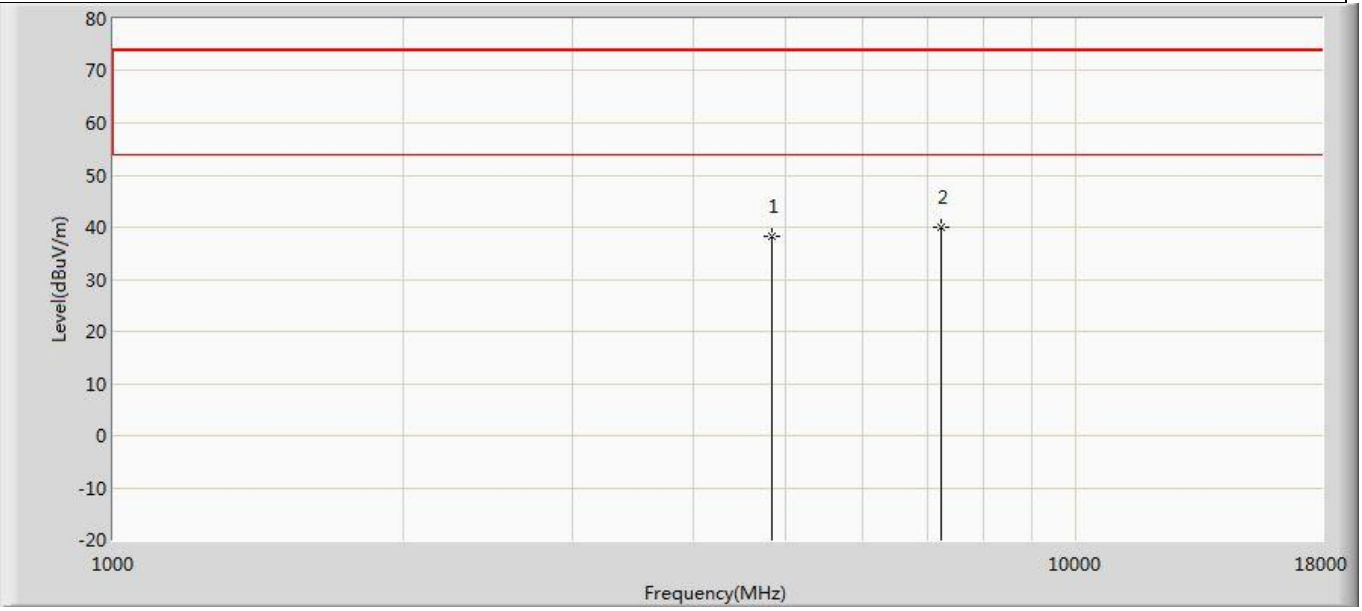
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4924.000	36.929	42.856	-37.071	74.000	-5.927	PK
2	*	7386.000	40.854	43.889	-33.146	74.000	-3.035	PK

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)	



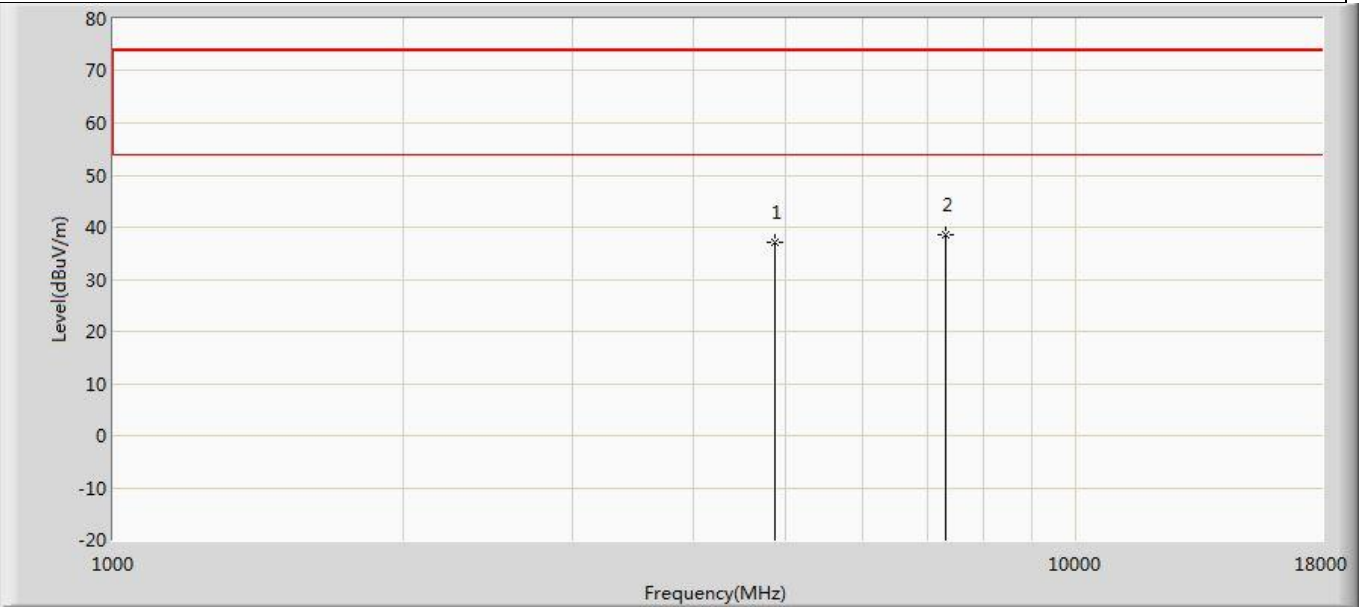
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4824.000	38.456	44.352	-35.544	74.000	-5.896	PK
2	*	7236.000	39.417	42.374	-34.583	74.000	-2.957	PK

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)	



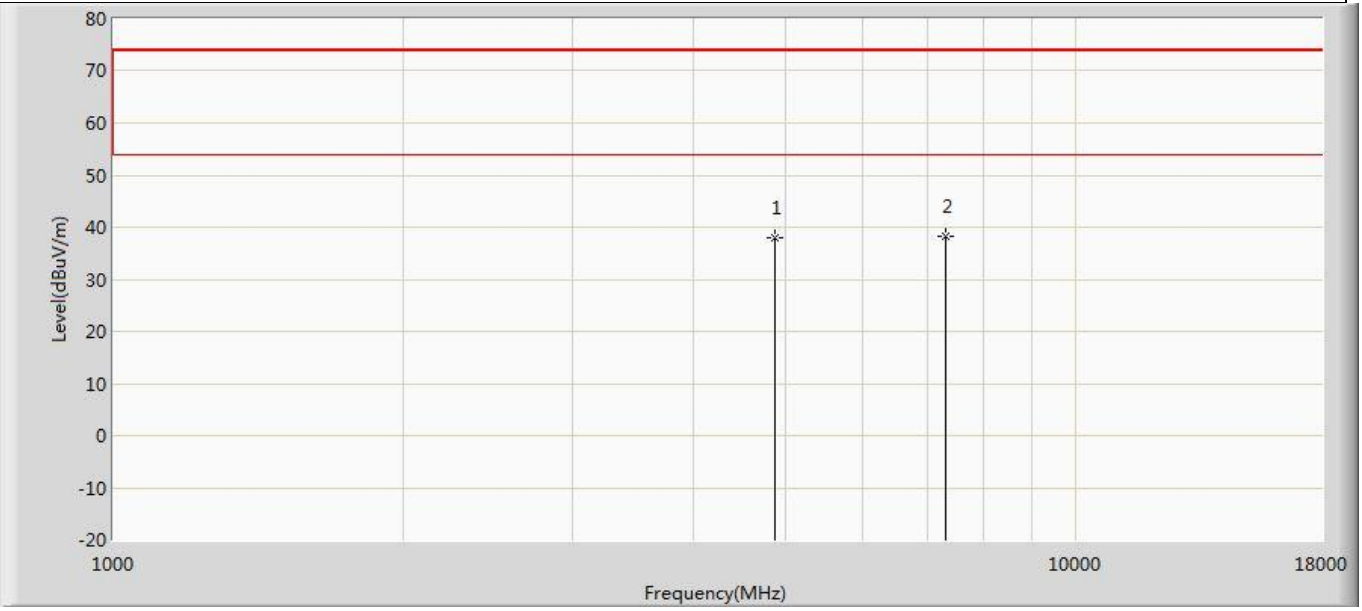
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4824.000	38.200	44.096	-35.800	74.000	-5.896	PK
2	*	7236.000	39.893	42.850	-34.107	74.000	-2.957	PK

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)	



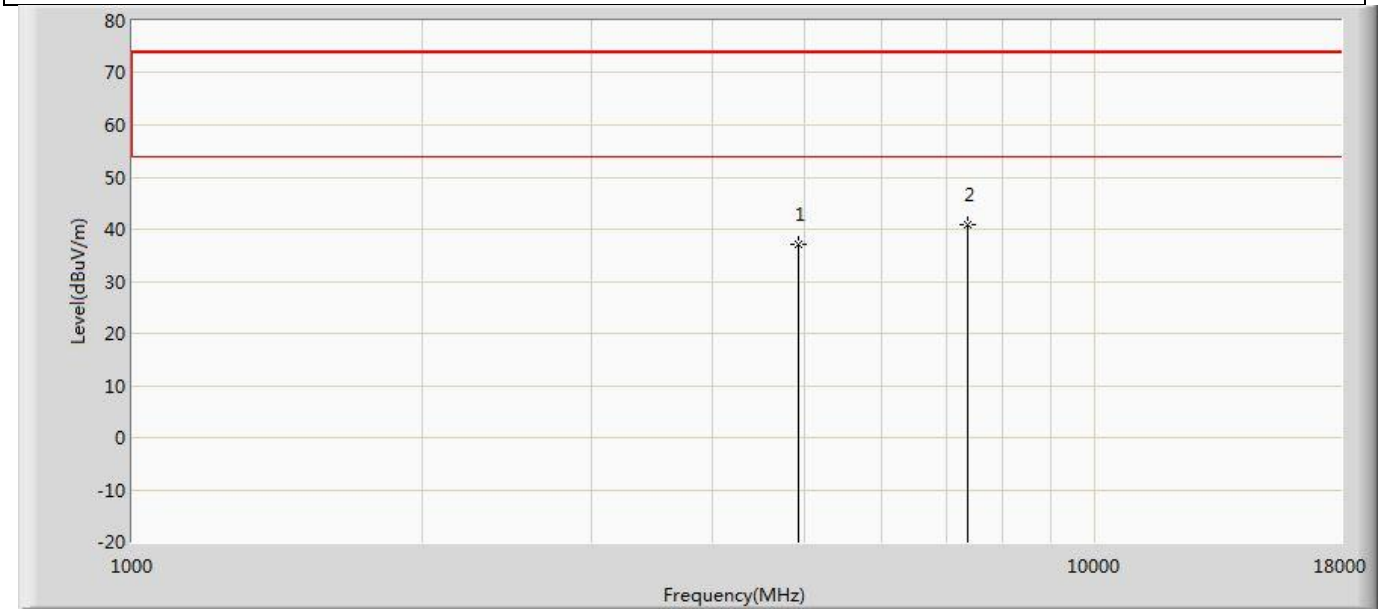
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4874.000	37.046	42.925	-36.954	74.000	-5.879	PK
2	*	7311.000	38.494	41.547	-35.506	74.000	-3.054	PK

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)	



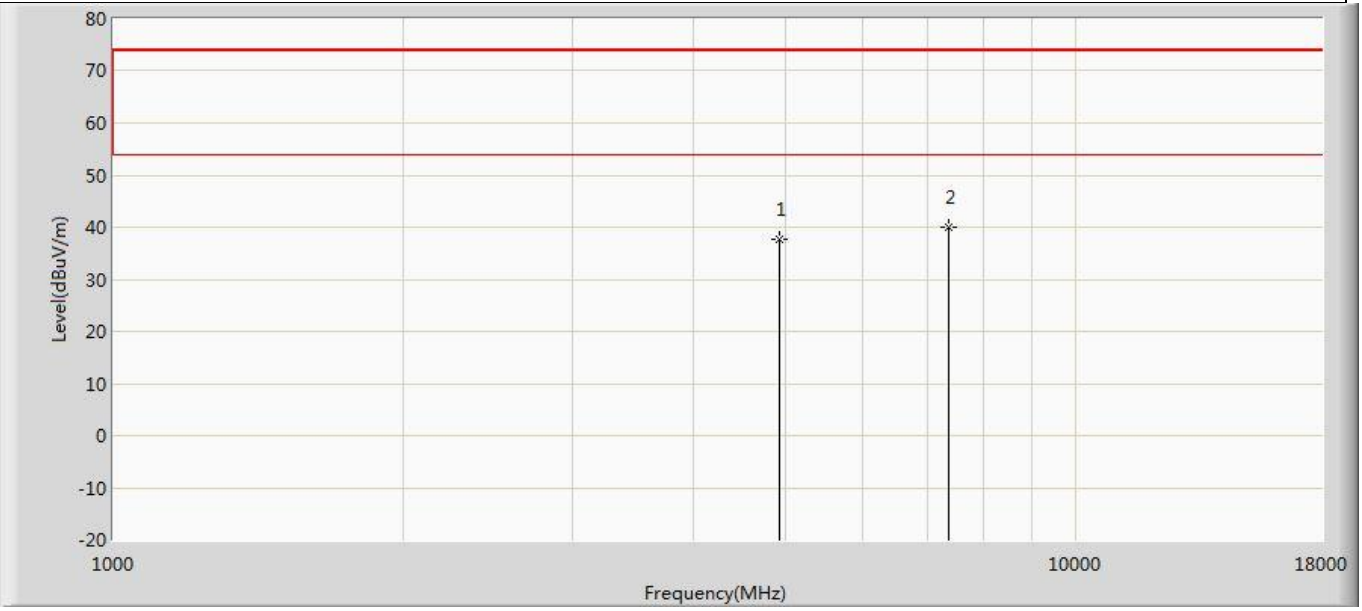
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4874.000	37.838	43.717	-36.162	74.000	-5.879	PK
2	*	7311.000	38.171	41.224	-35.829	74.000	-3.054	PK

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

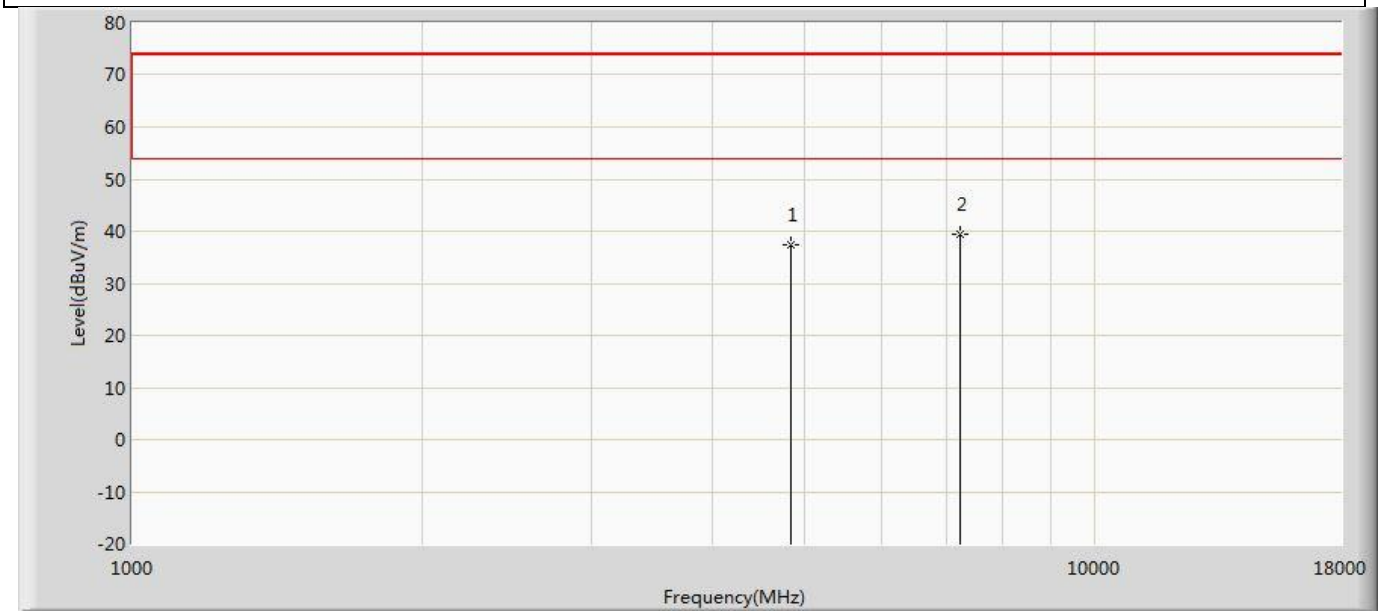
Profile: 20B0117R	Page No.: 24
Engineer: Neil	
Site: AC5	Time: 2021/01/16 - 10:59
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AP510CX	Power: PoE -48V
Note: Mode 2： Transmit at 2462MHz by 802.11ax(20MHz)	



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

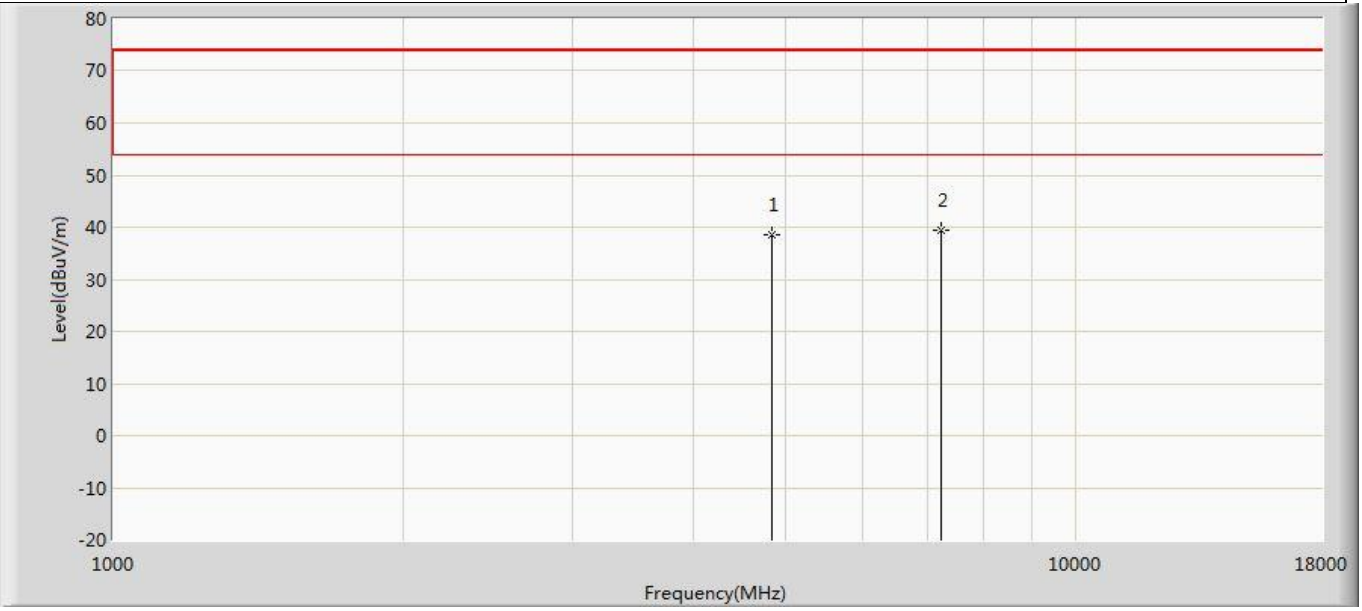
Sector Antenna – MIMO（CDD 2TX）

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	



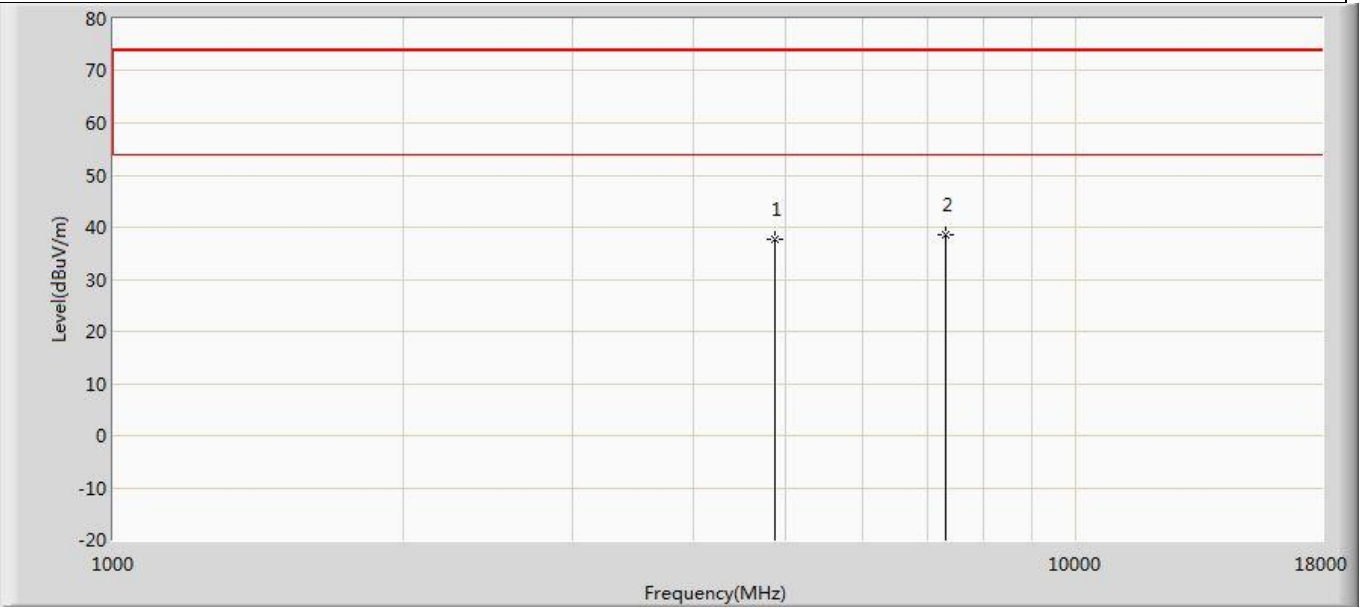
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4824.000	37.536	43.432	-36.464	74.000	-5.896	PK
2	*	7236.000	39.466	42.423	-34.534	74.000	-2.957	PK

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	



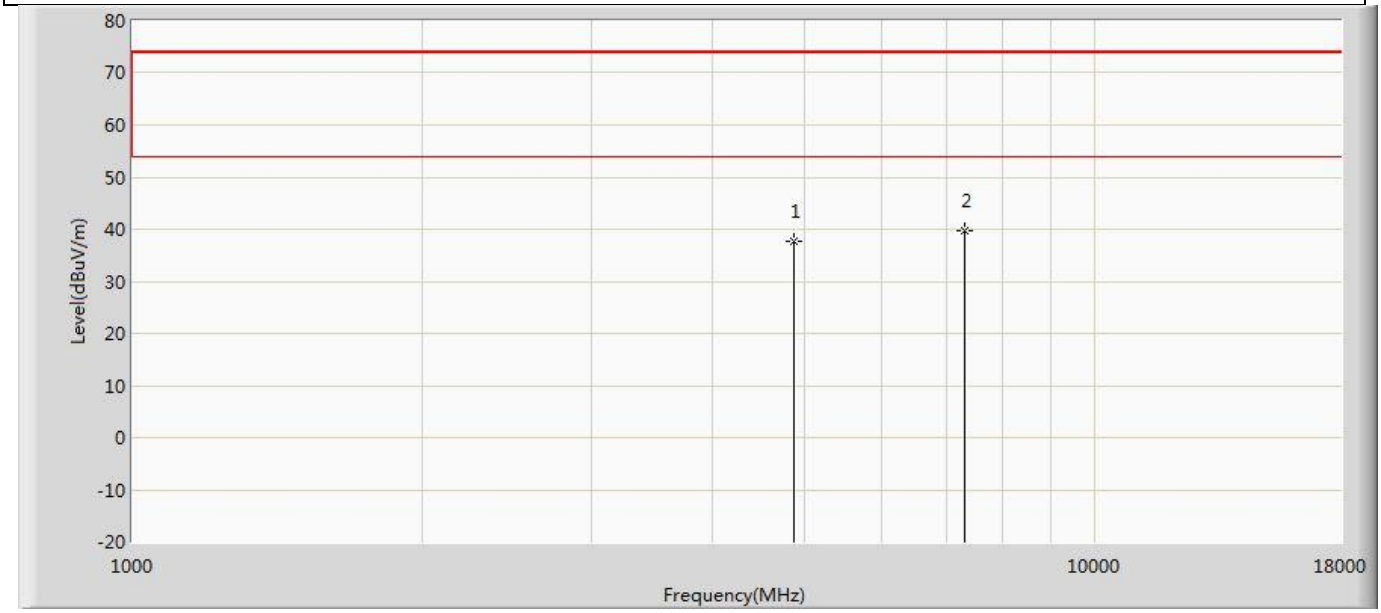
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4824.000	38.476	44.372	-35.524	74.000	-5.896	PK
2	*	7236.000	39.516	42.473	-34.484	74.000	-2.957	PK

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	



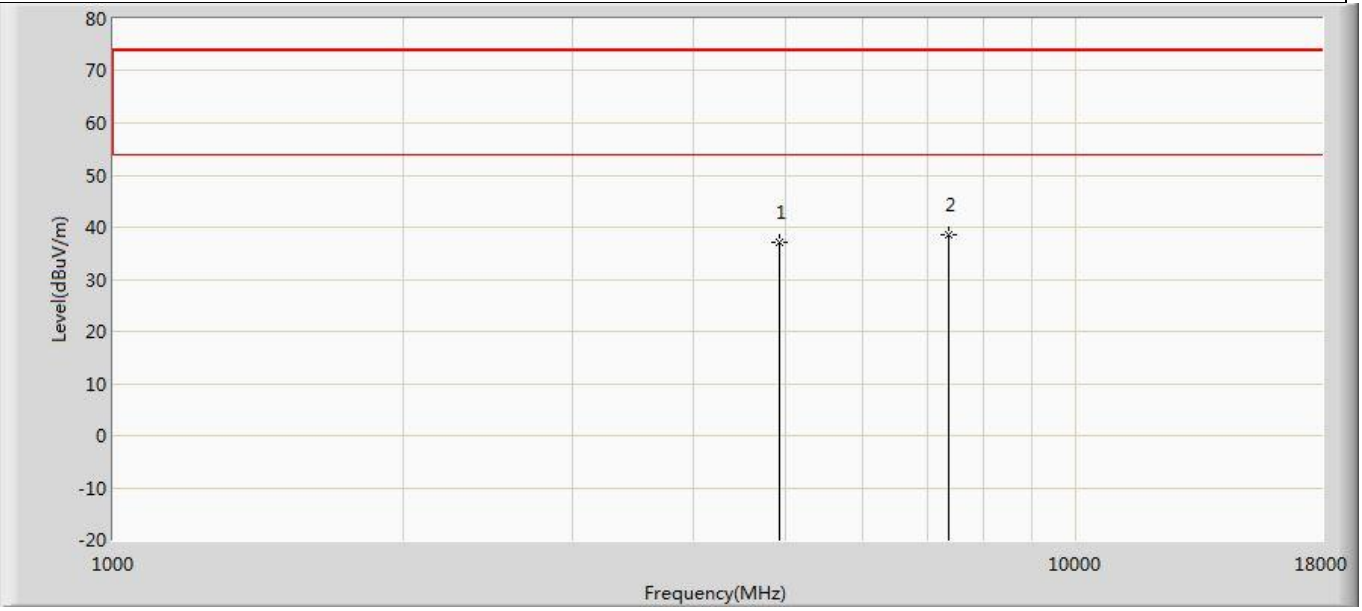
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4874.000	37.624	43.503	-36.376	74.000	-5.879	PK
2	*	7311.000	38.579	41.632	-35.421	74.000	-3.054	PK

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	



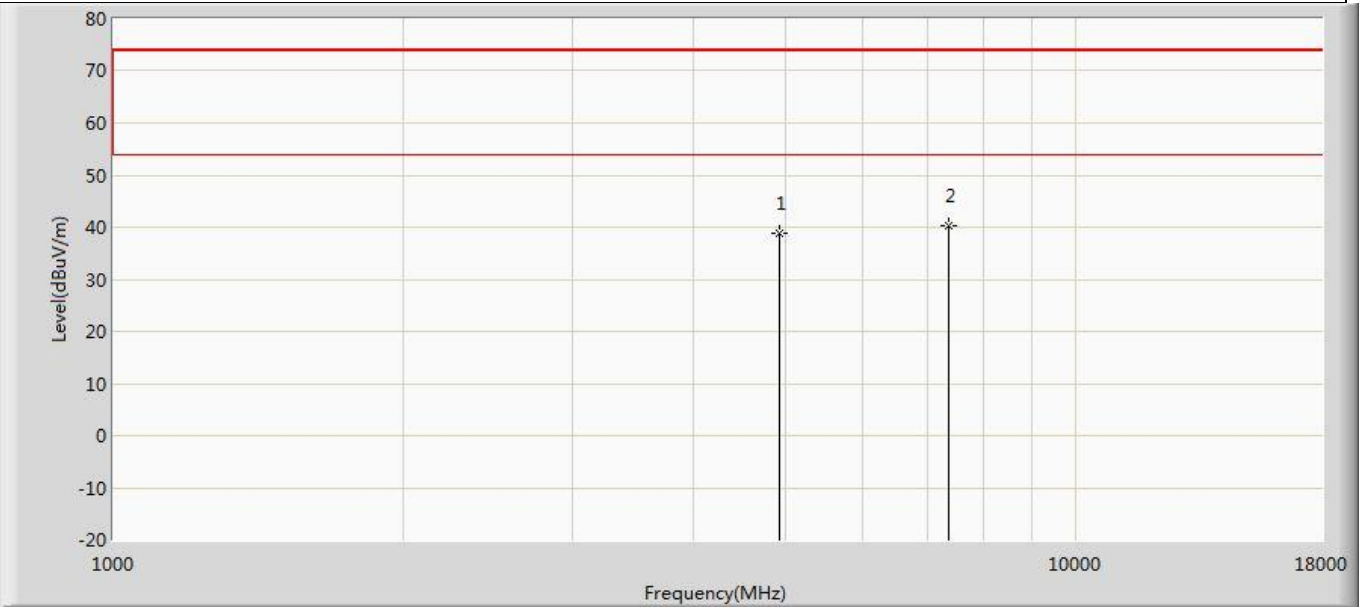
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4874.000	37.649	43.528	-36.351	74.000	-5.879	PK
2	*	7311.000	39.764	42.817	-34.236	74.000	-3.054	PK

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	



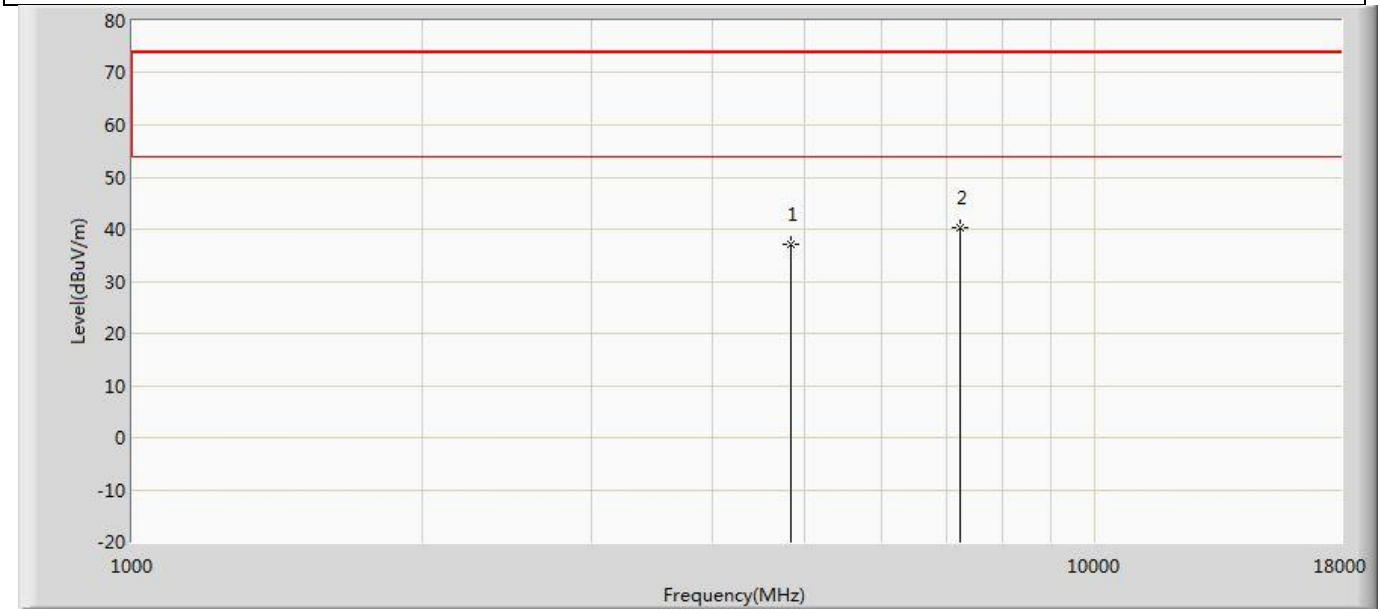
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4924.000	37.138	43.065	-36.862	74.000	-5.927	PK
2	*	7386.000	38.562	41.597	-35.438	74.000	-3.035	PK

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	



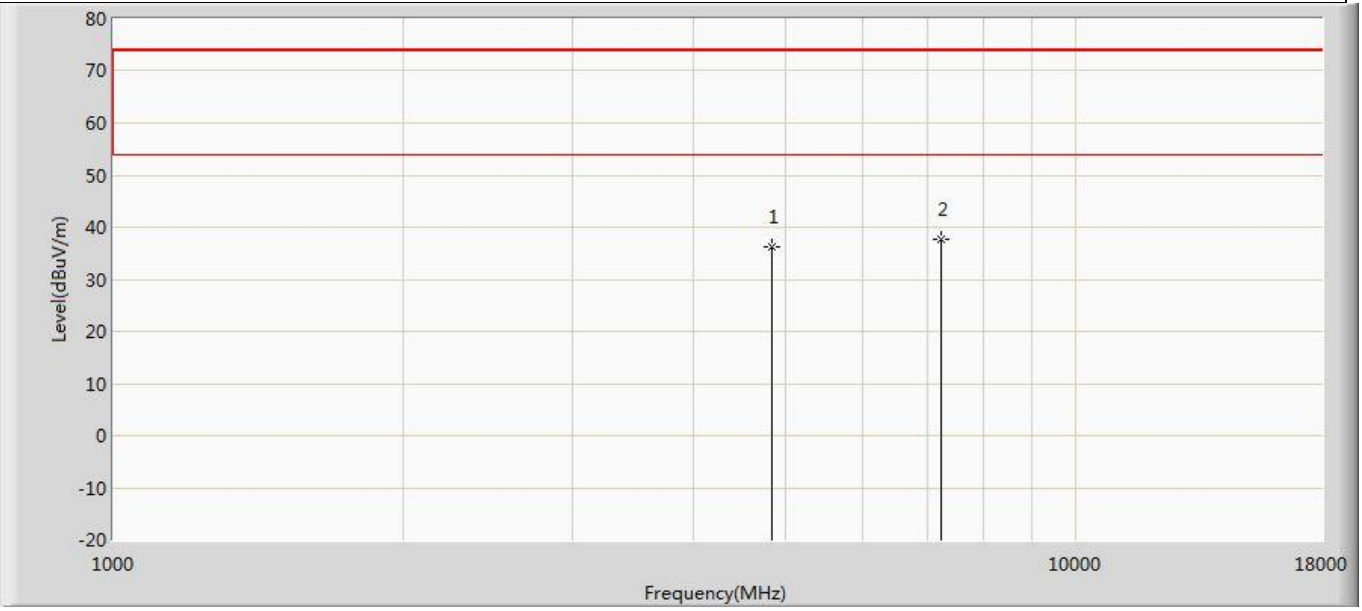
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4924.000	38.764	44.691	-35.236	74.000	-5.927	PK
2	*	7386.000	40.348	43.383	-33.652	74.000	-3.035	PK

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	



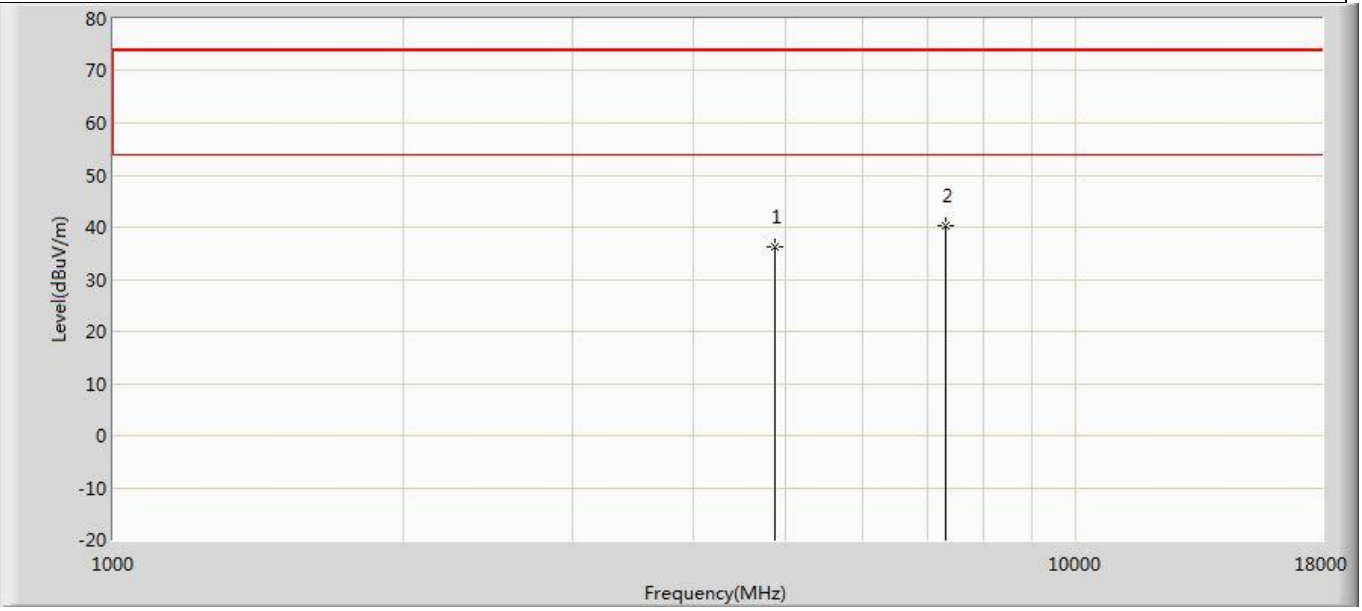
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4824.000	37.167	43.063	-36.833	74.000	-5.896	PK
2	*	7236.000	40.432	43.389	-33.568	74.000	-2.957	PK

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	



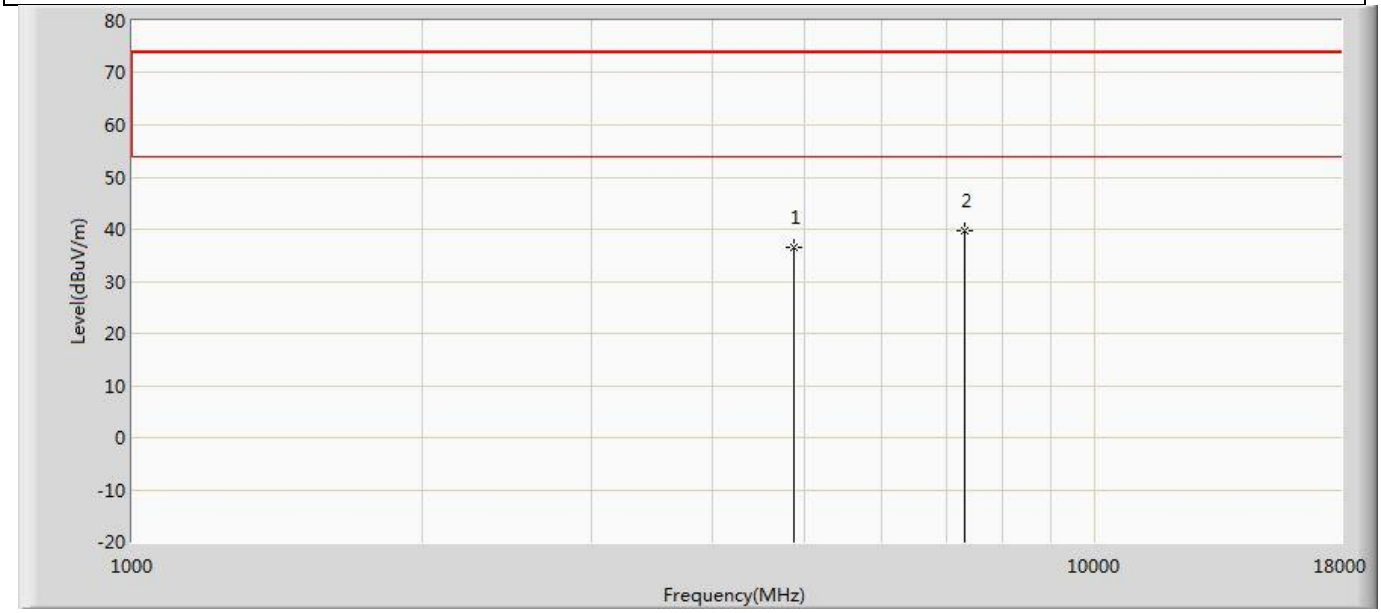
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4824.000	36.182	42.078	-37.818	74.000	-5.896	PK
2	*	7236.000	37.637	40.594	-36.363	74.000	-2.957	PK

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	



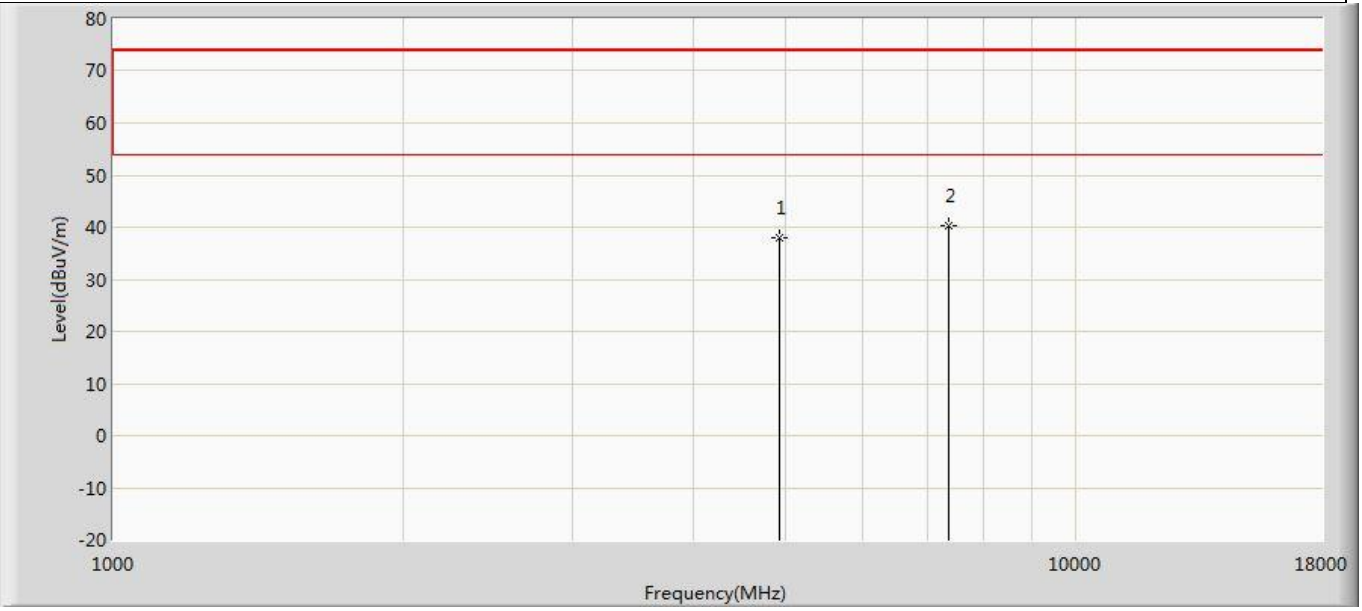
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4874.000	36.168	42.047	-37.832	74.000	-5.879	PK
2	*	7311.000	40.347	43.400	-33.653	74.000	-3.054	PK

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	



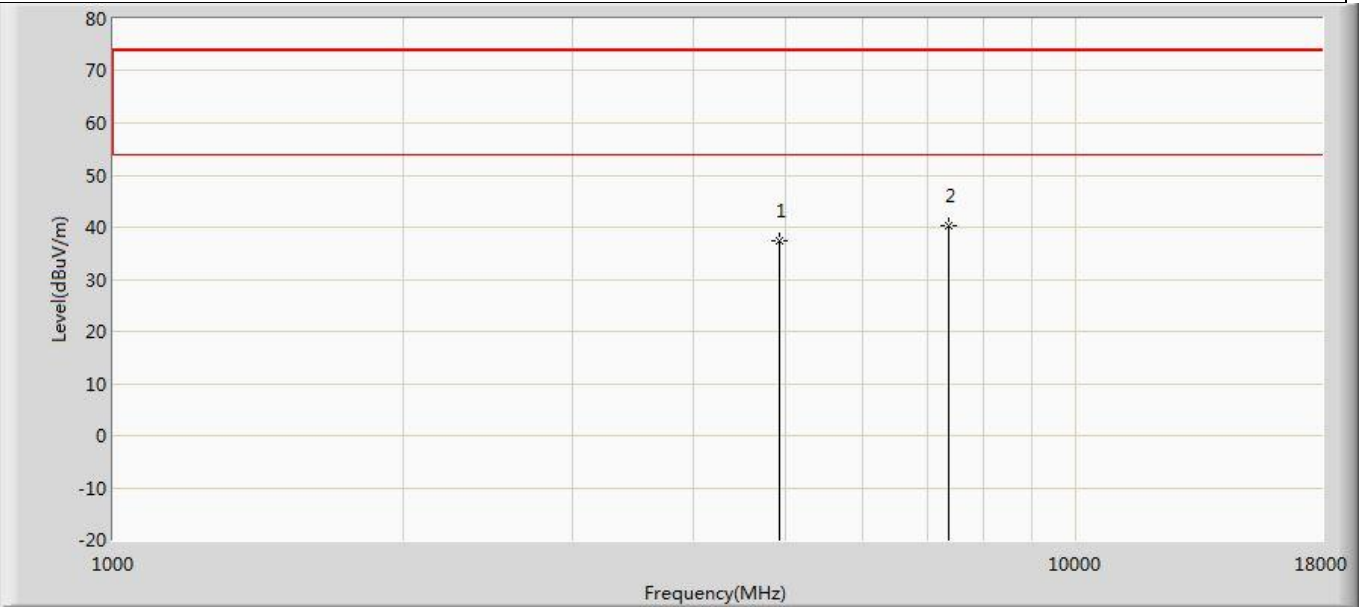
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4874.000	36.642	42.521	-37.358	74.000	-5.879	PK
2	*	7311.000	39.618	42.671	-34.382	74.000	-3.054	PK

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	



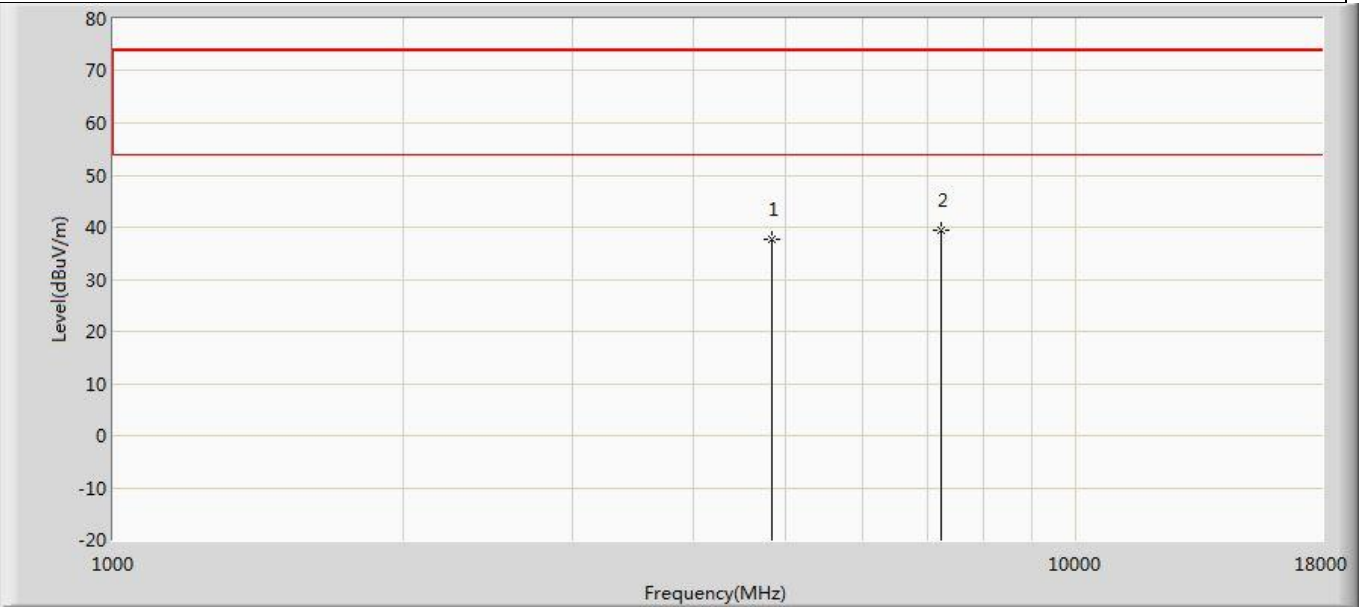
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4924.000	37.923	43.850	-36.077	74.000	-5.927	PK
2	*	7386.000	40.234	43.269	-33.766	74.000	-3.035	PK

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	



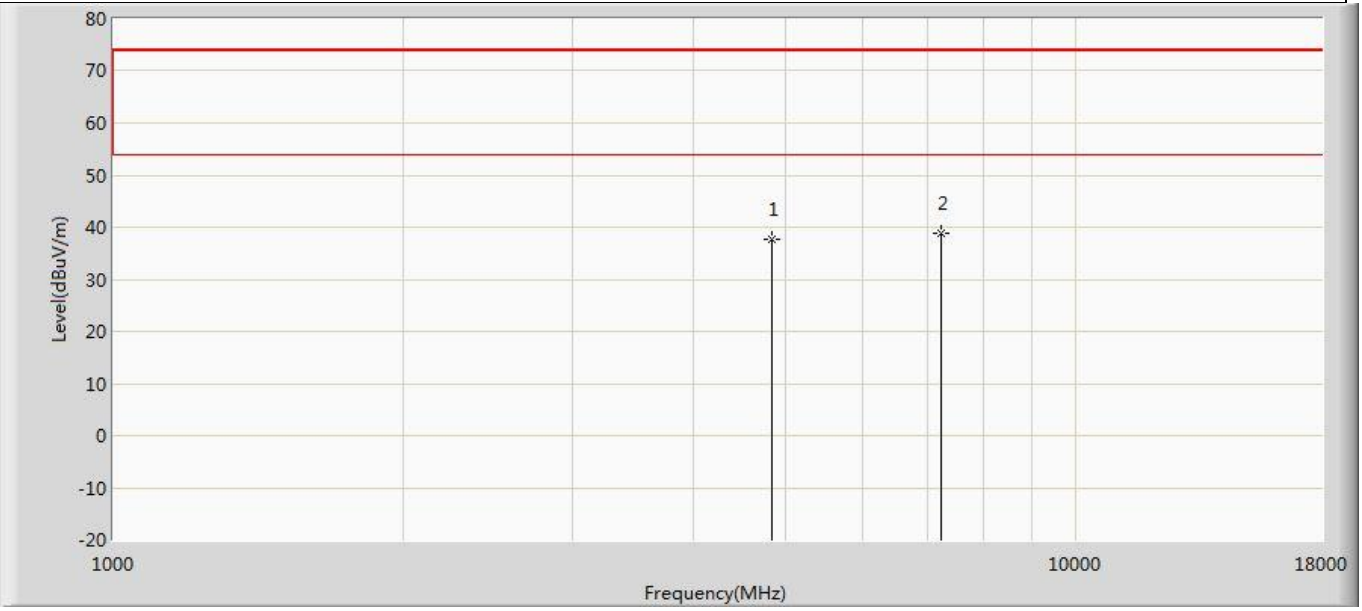
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4924.000	37.392	43.319	-36.608	74.000	-5.927	PK
2	*	7386.000	40.164	43.199	-33.836	74.000	-3.035	PK

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)	



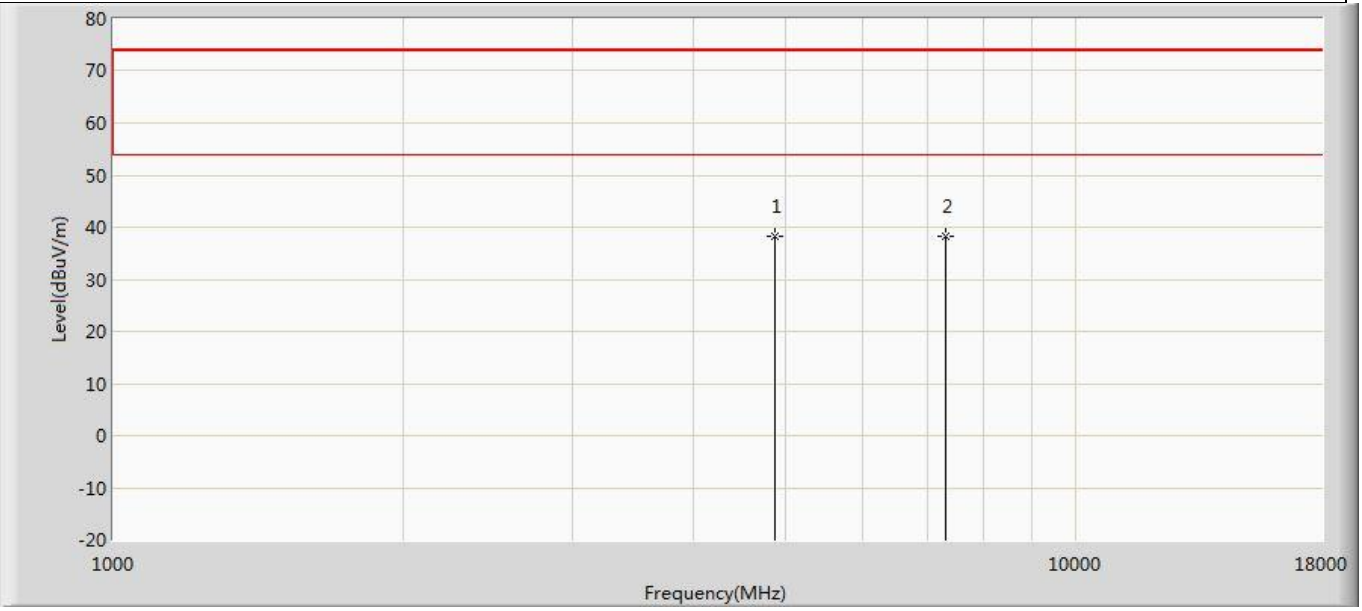
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4824.000	37.626	43.522	-36.374	74.000	-5.896	PK
2	*	7236.000	39.529	42.486	-34.471	74.000	-2.957	PK

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)	



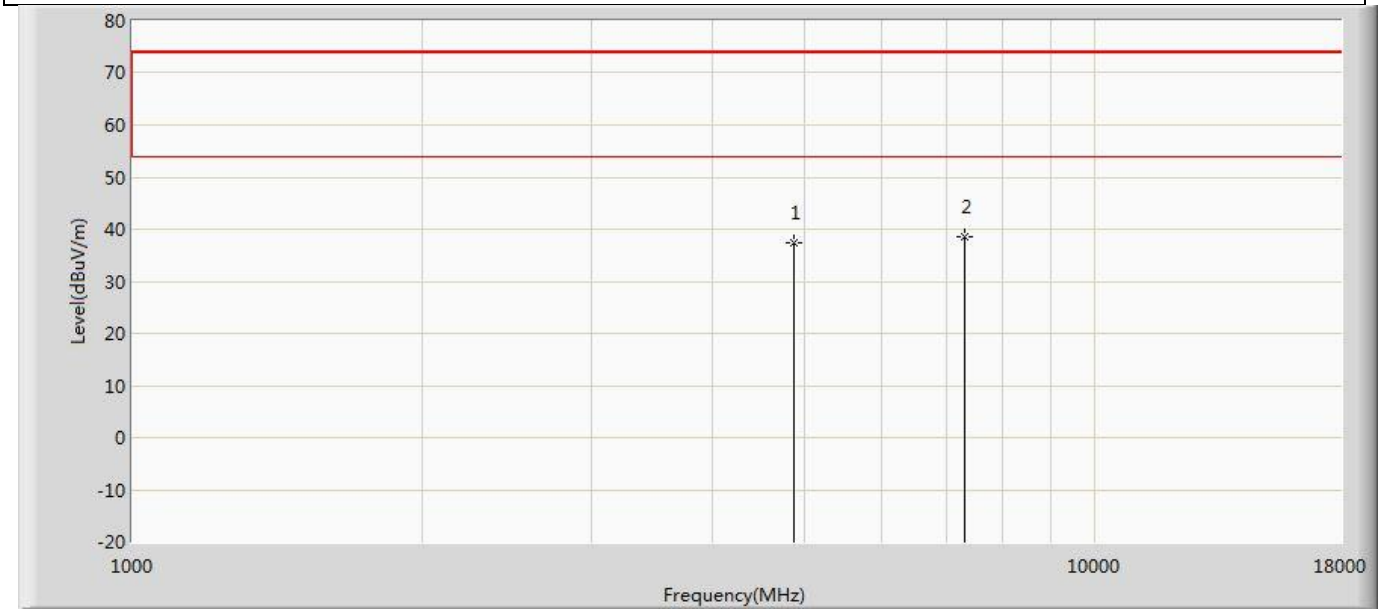
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4824.000	37.634	43.530	-36.366	74.000	-5.896	PK
2	*	7236.000	38.762	41.719	-35.238	74.000	-2.957	PK

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)	



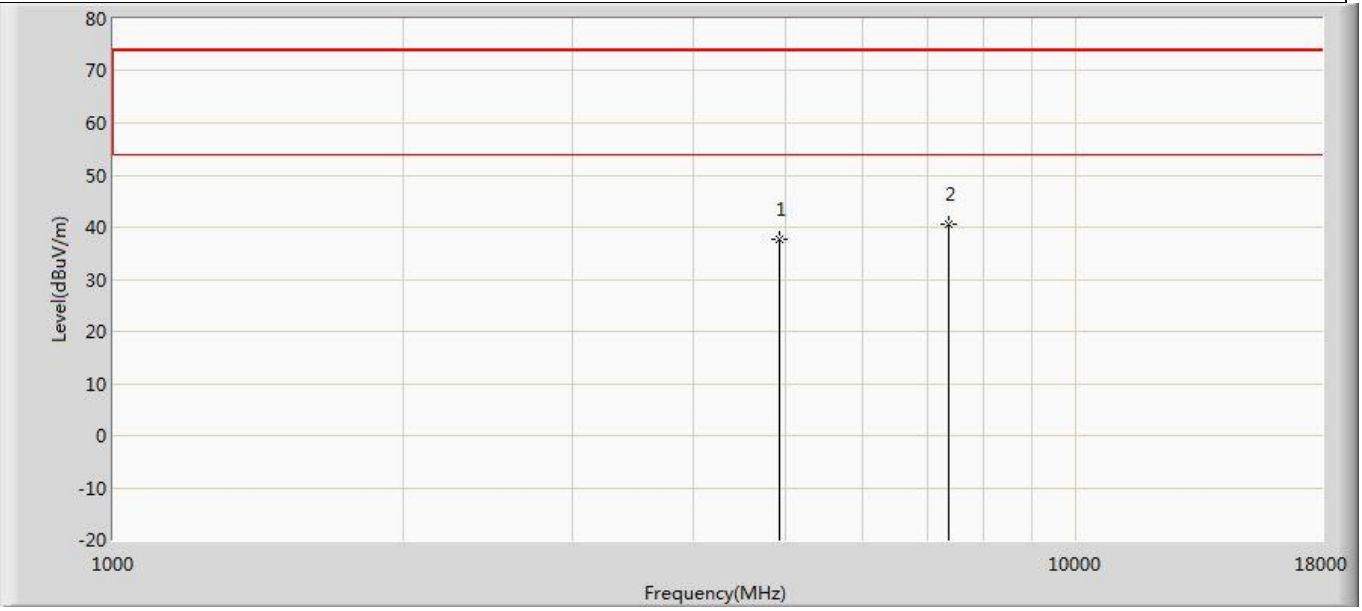
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4874.000	38.164	44.043	-35.836	74.000	-5.879	PK
2	*	7311.000	38.392	41.445	-35.608	74.000	-3.054	PK

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)	



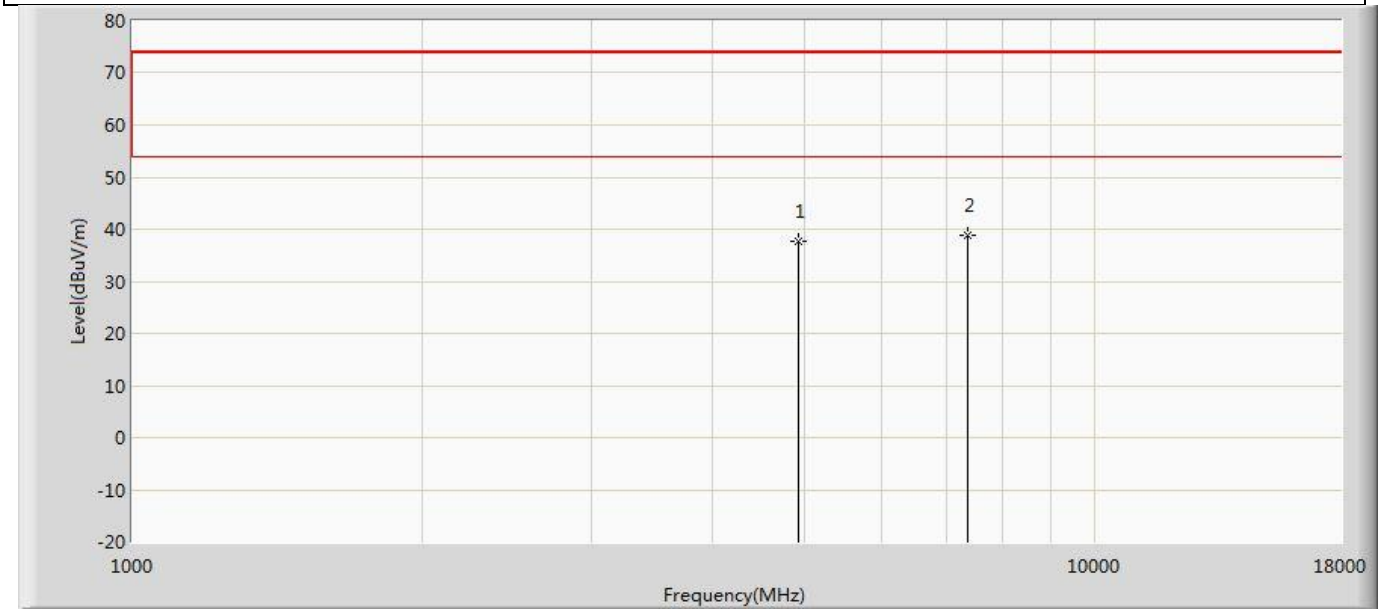
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4874.000	37.297	43.176	-36.703	74.000	-5.879	PK
2	*	7311.000	38.562	41.615	-35.438	74.000	-3.054	PK

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)	



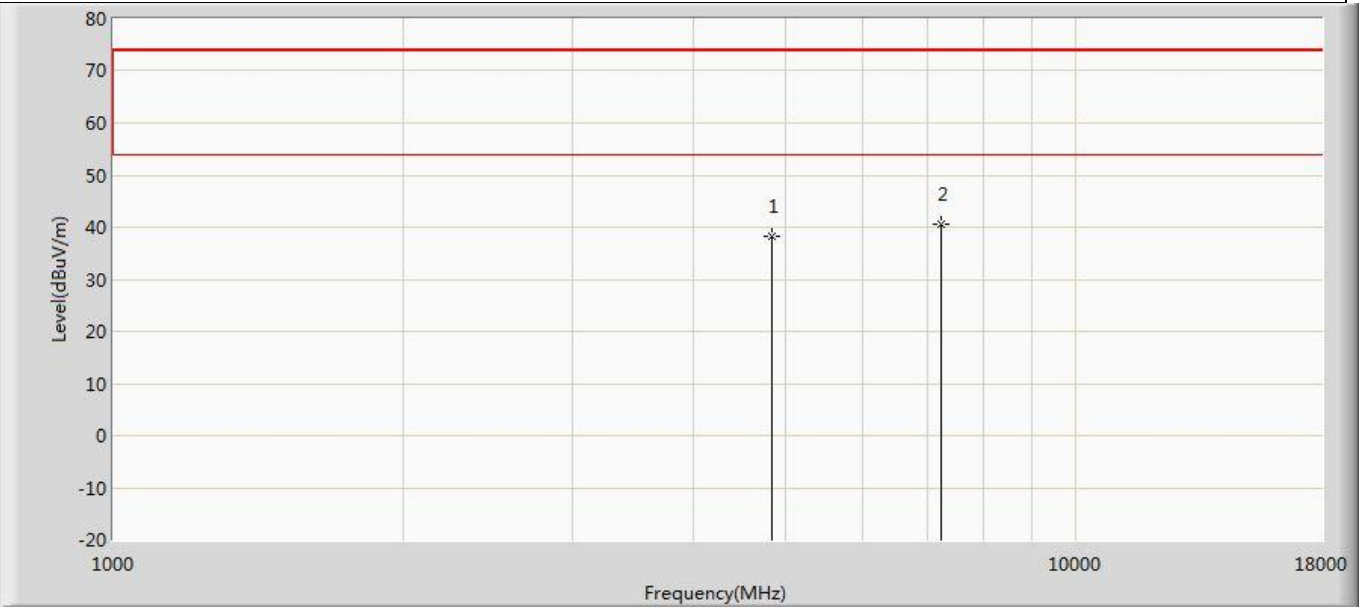
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4924.000	37.638	43.565	-36.362	74.000	-5.927	PK
2	*	7386.000	40.624	43.659	-33.376	74.000	-3.035	PK

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)	



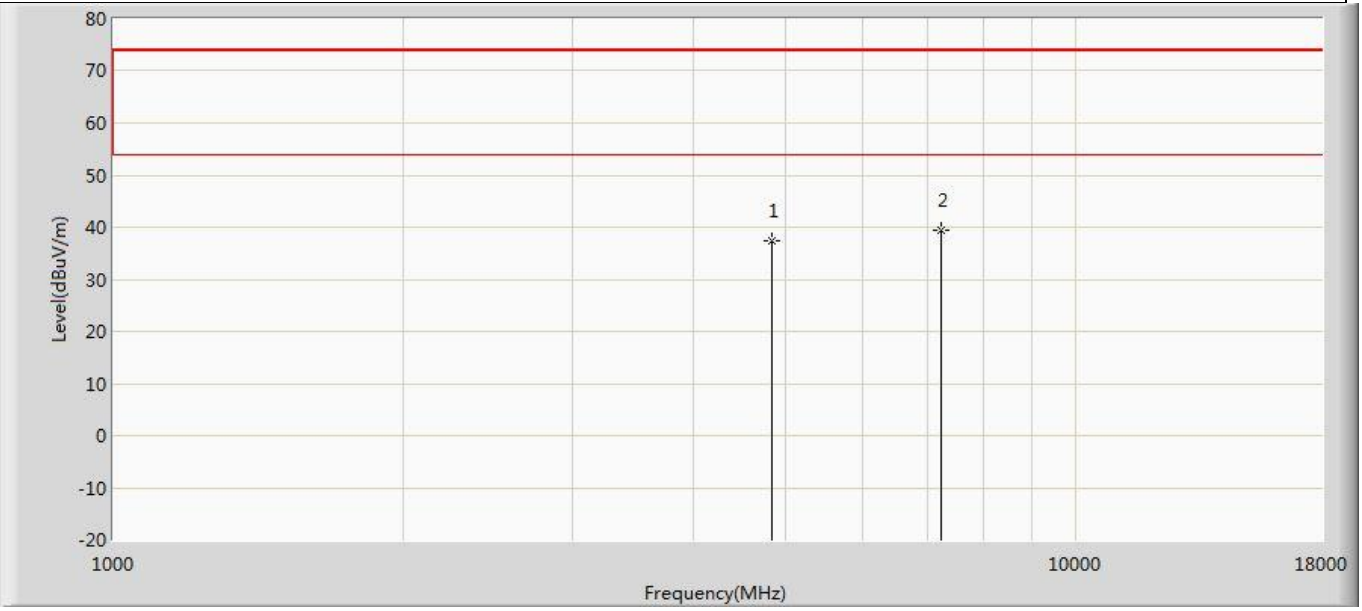
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4924.000	37.625	43.552	-36.375	74.000	-5.927	PK
2	*	7386.000	38.839	41.874	-35.161	74.000	-3.035	PK

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)	



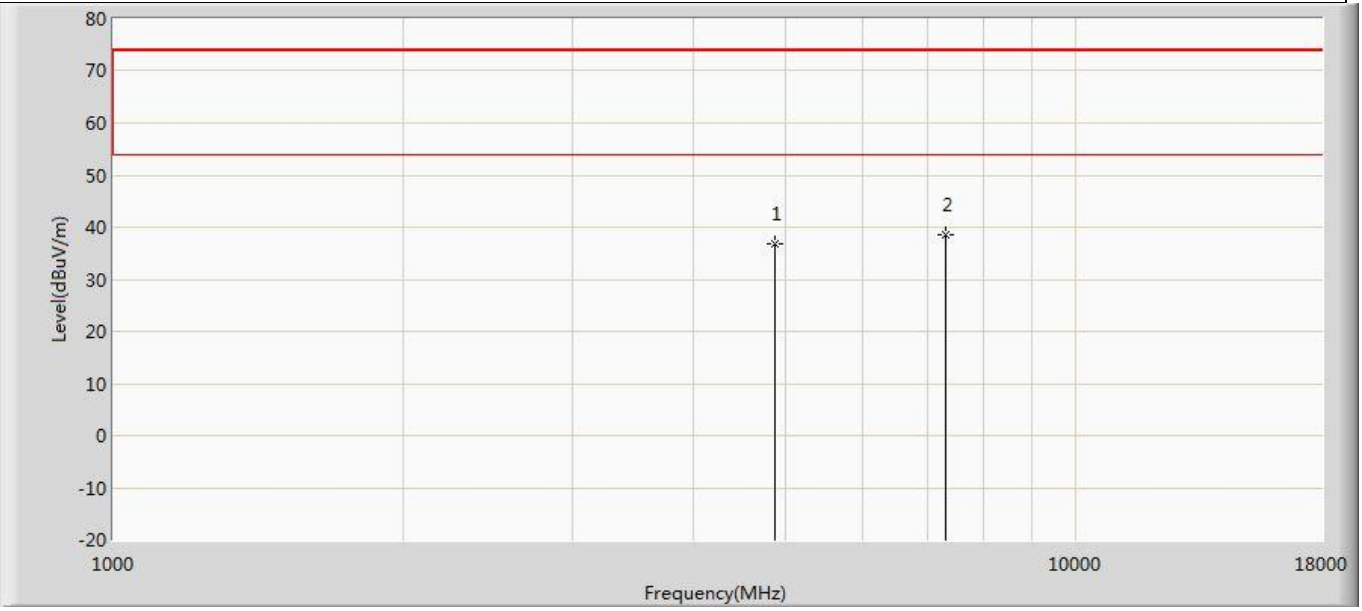
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4824.000	38.376	44.272	-35.624	74.000	-5.896	PK
2	*	7236.000	40.562	43.519	-33.438	74.000	-2.957	PK

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)	



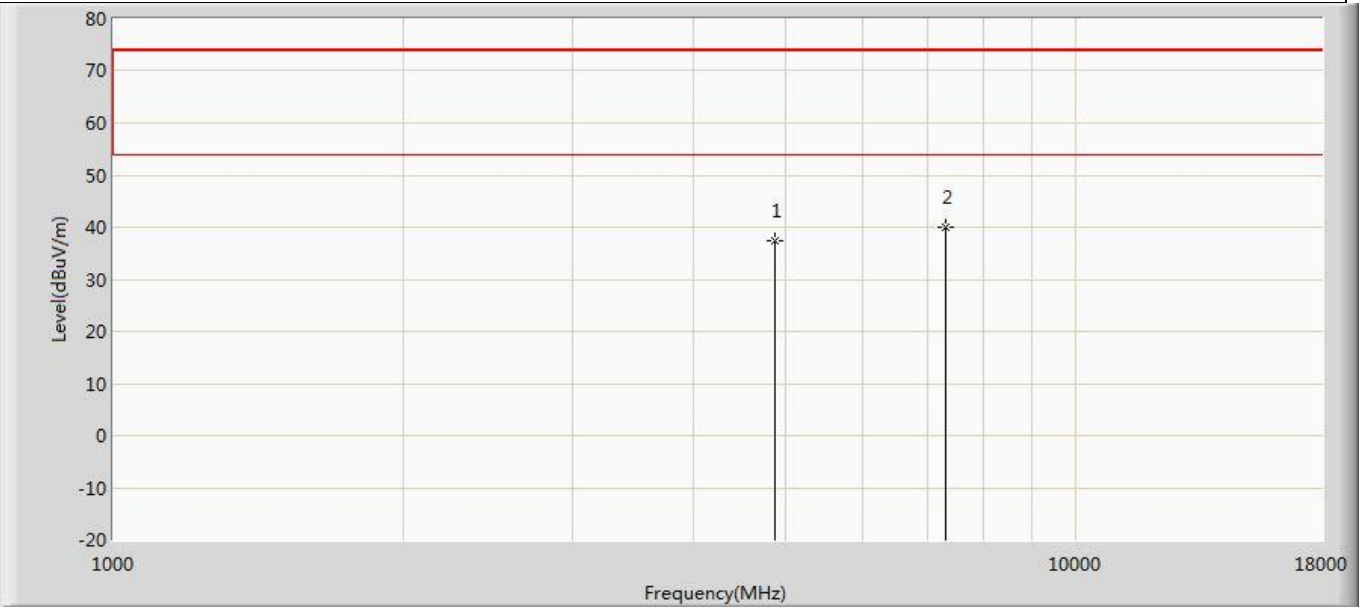
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4824.000	37.346	43.242	-36.654	74.000	-5.896	PK
2	*	7236.000	39.377	42.334	-34.623	74.000	-2.957	PK

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)	



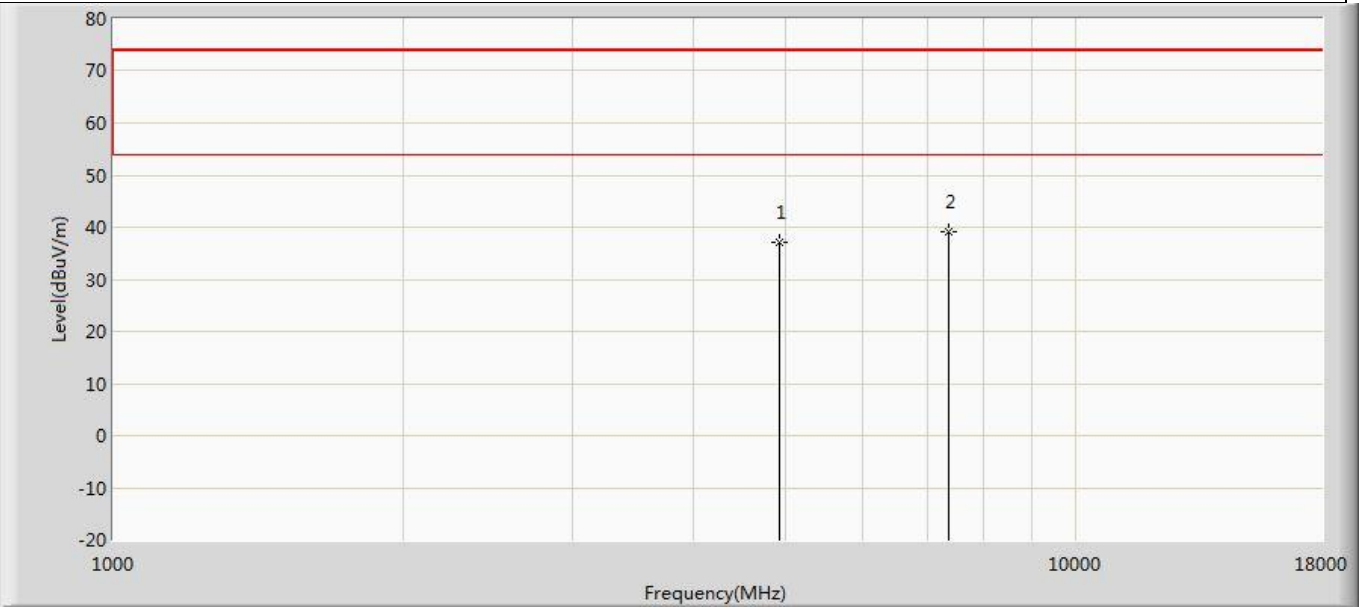
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4874.000	36.834	42.713	-37.166	74.000	-5.879	PK
2	*	7311.000	38.562	41.615	-35.438	74.000	-3.054	PK

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)	



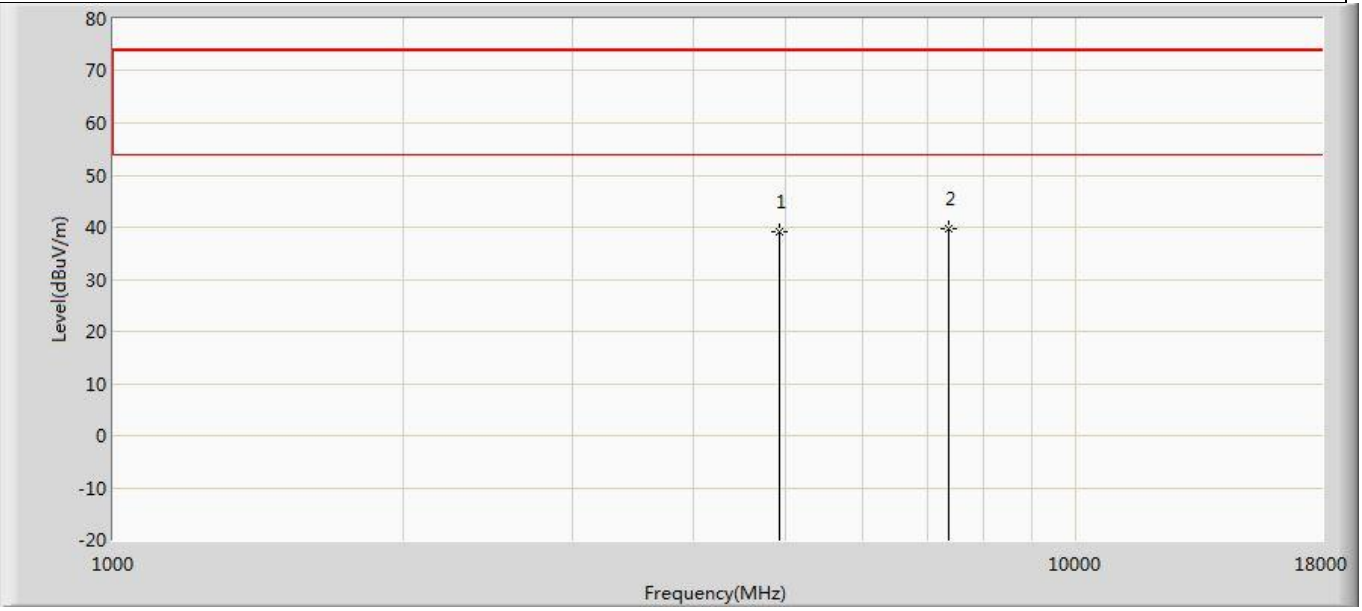
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4874.000	37.361	43.240	-36.639	74.000	-5.879	PK
2	*	7311.000	39.963	43.016	-34.037	74.000	-3.054	PK

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

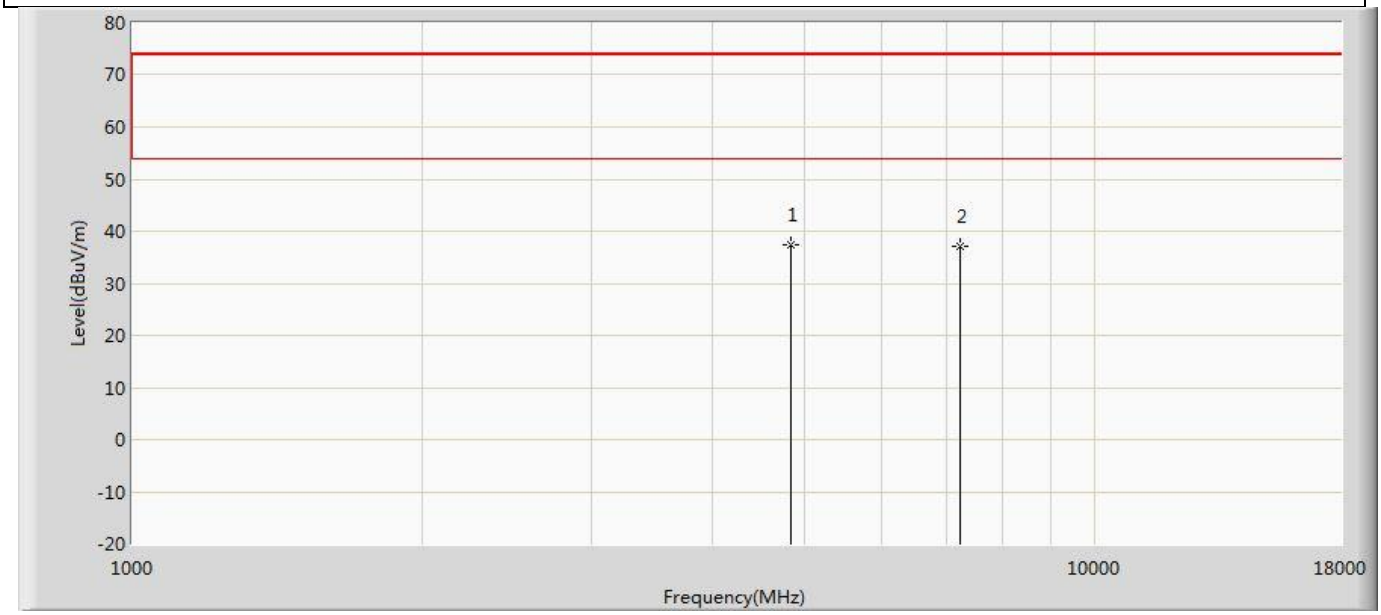
Profile: 20B0117R	Page No.: 48
Engineer: Neil	
Site: AC5	Time: 2021/01/19 - 19:53
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AP510CX	Power: PoE -48V
Note: Mode 4： Transmit at 2462MHz by 802.11ax(20MHz)	



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

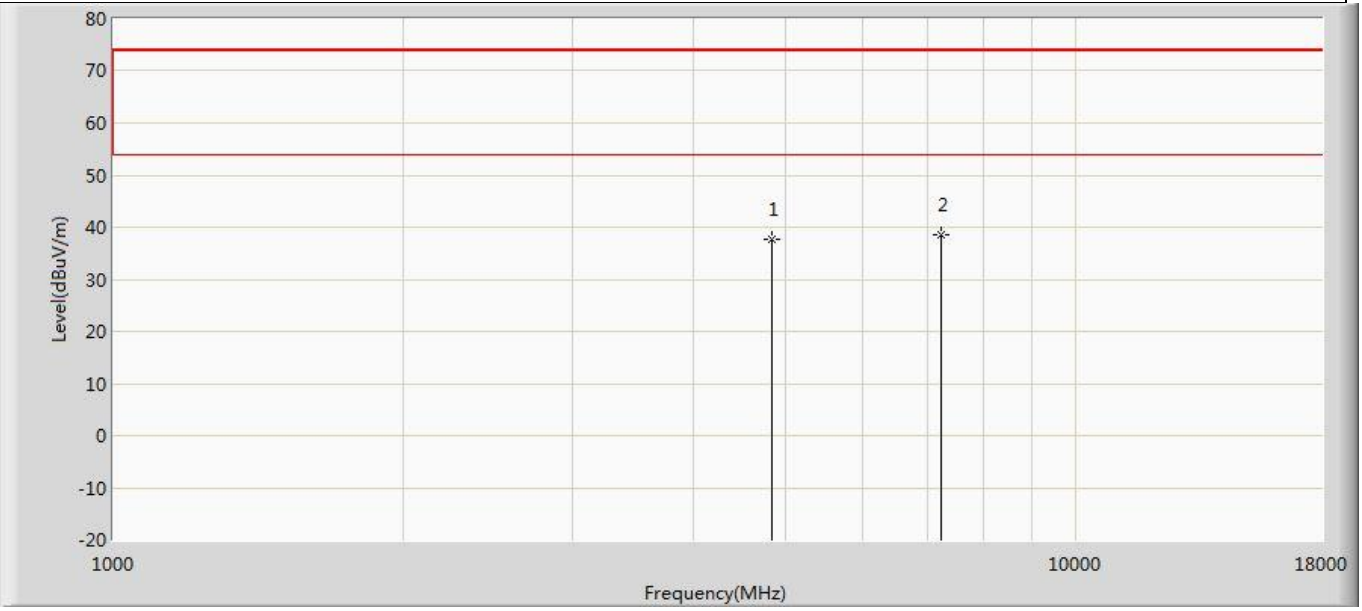
Sector Antenna – MIMO（Beamforming 2TX）

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)	



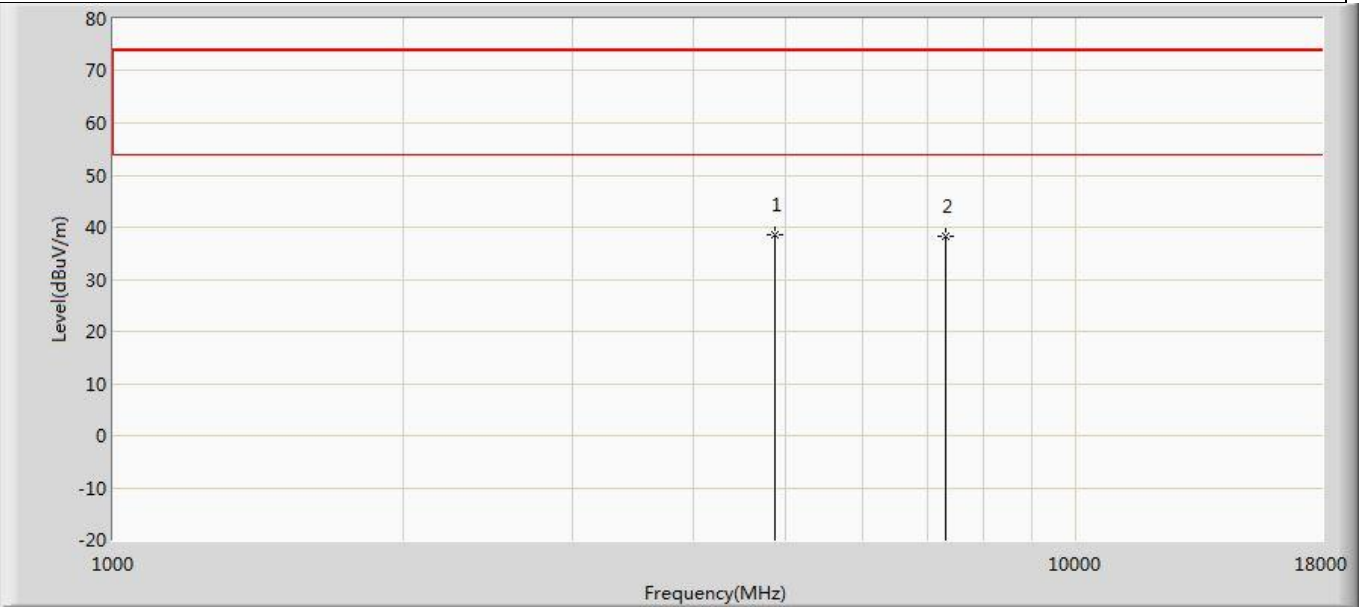
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1	*	4824.000	37.488	43.384	-36.512	74.000	-5.896	PK
2		7236.000	37.148	40.105	-36.852	74.000	-2.957	PK

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)	



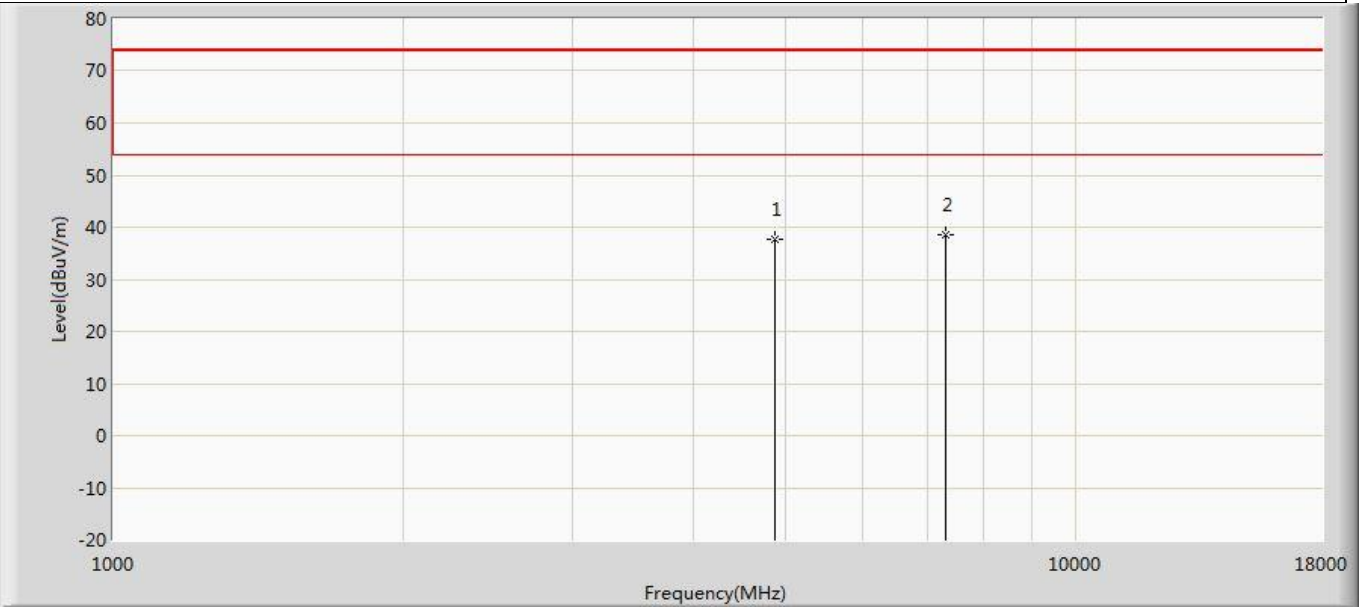
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4824.000	37.645	43.541	-36.355	74.000	-5.896	PK
2	*	7236.000	38.485	41.442	-35.515	74.000	-2.957	PK

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)	



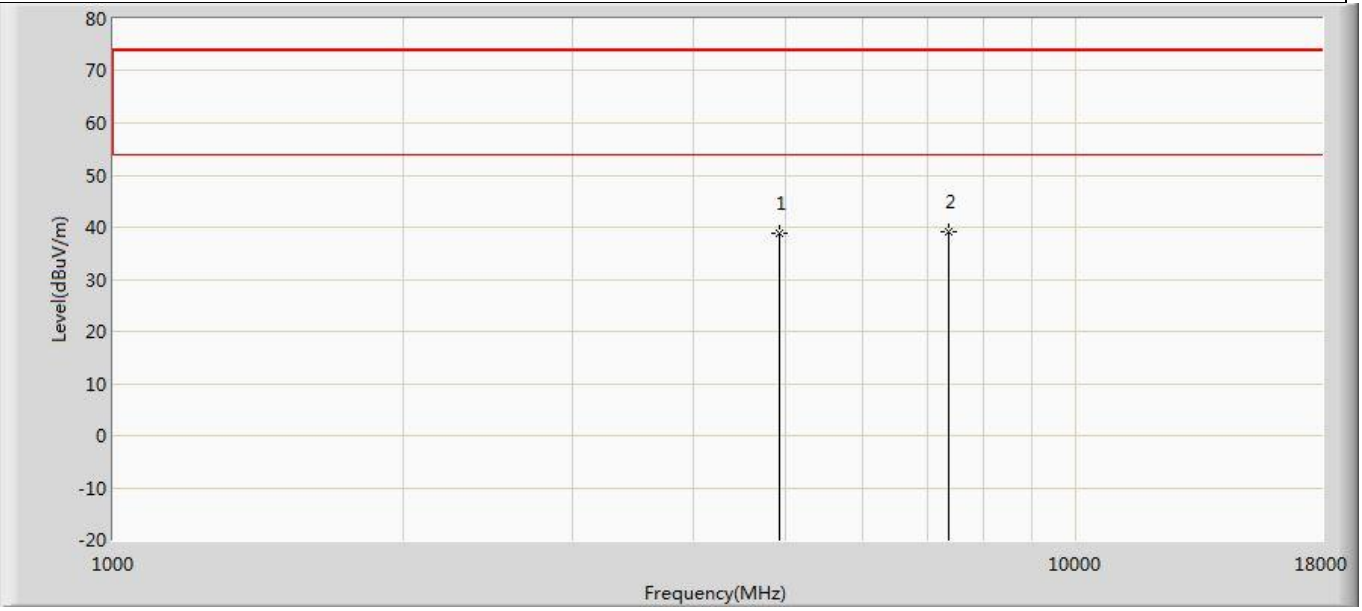
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1	*	4874.000	38.648	44.527	-35.352	74.000	-5.879	PK
2		7311.000	38.347	41.400	-35.653	74.000	-3.054	PK

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)	



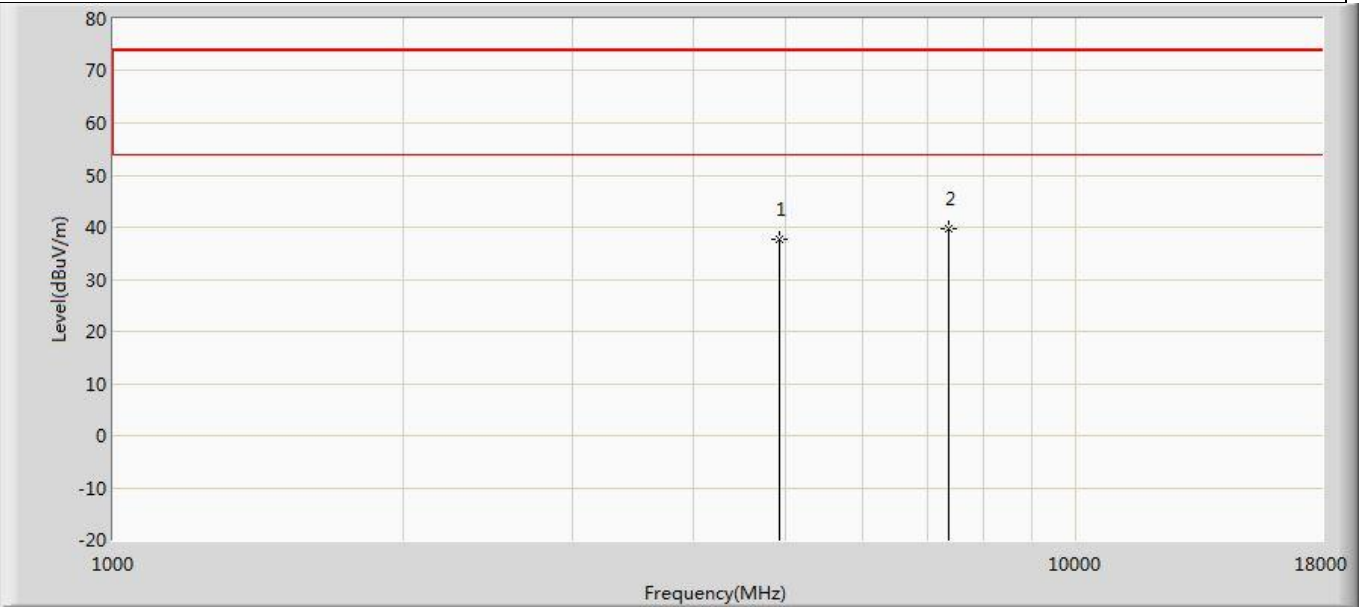
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4874.000	37.615	43.494	-36.385	74.000	-5.879	PK
2	*	7311.000	38.649	41.702	-35.351	74.000	-3.054	PK

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)	



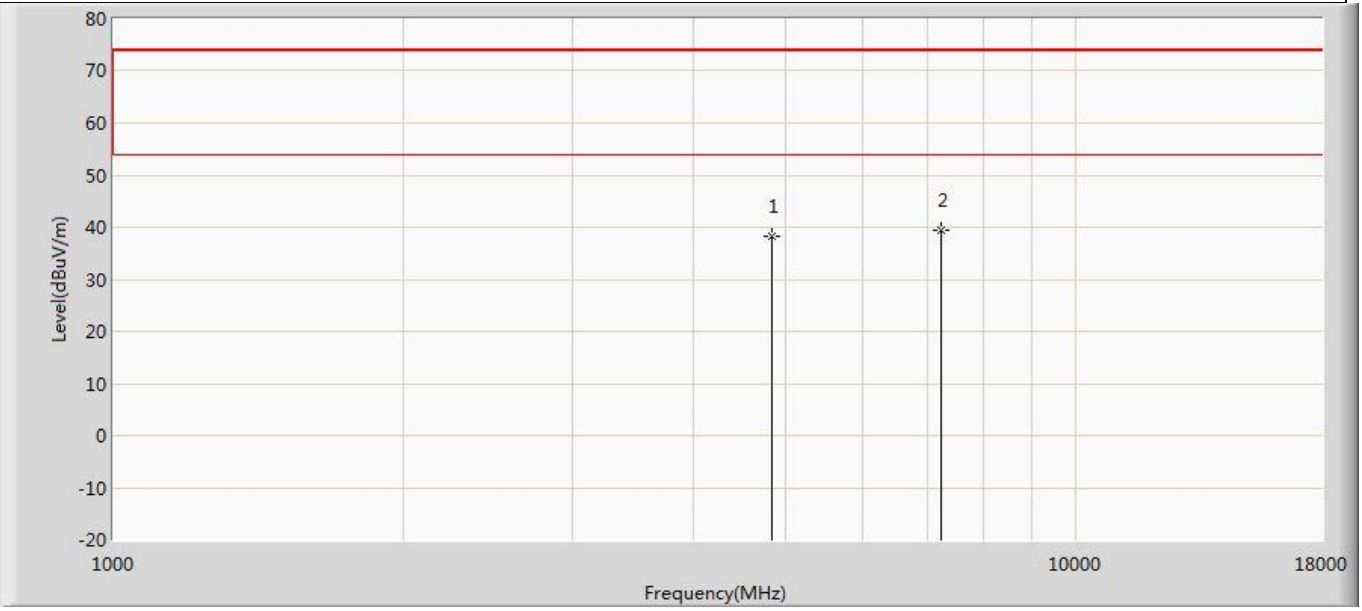
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4924.000	38.734	44.661	-35.266	74.000	-5.927	PK
2	*	7386.000	39.064	42.099	-34.936	74.000	-3.035	PK

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)	



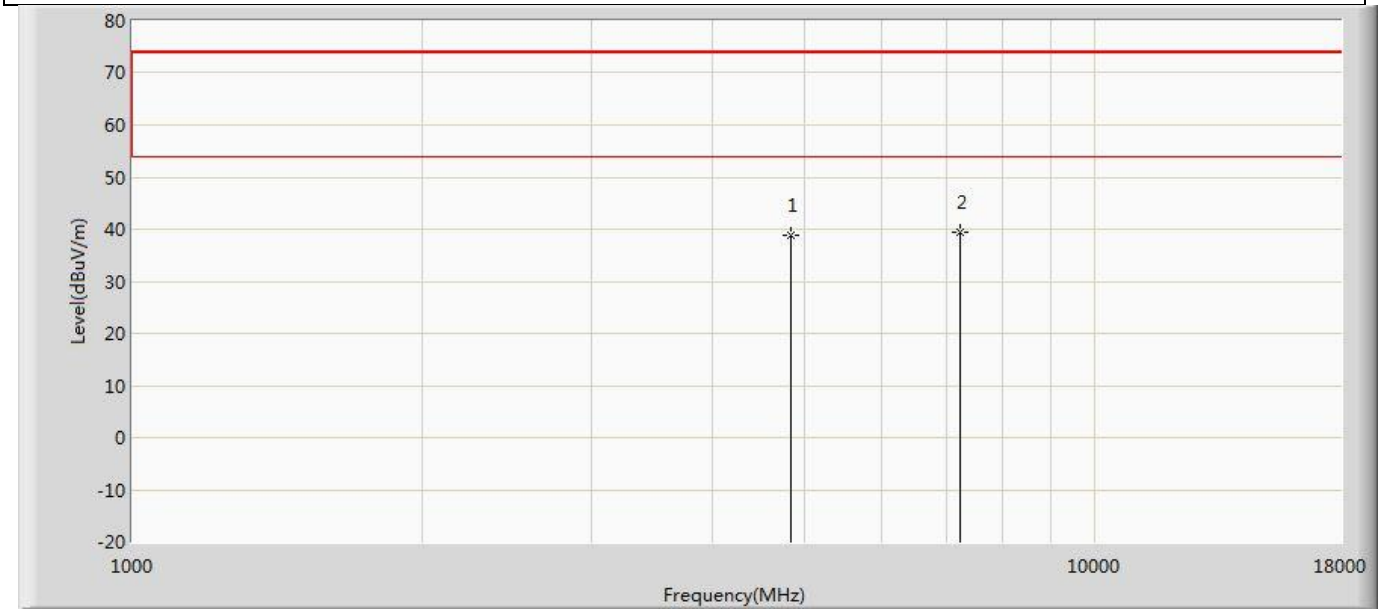
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4924.000	37.548	43.475	-36.452	74.000	-5.927	PK
2	*	7386.000	39.773	42.808	-34.227	74.000	-3.035	PK

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)	



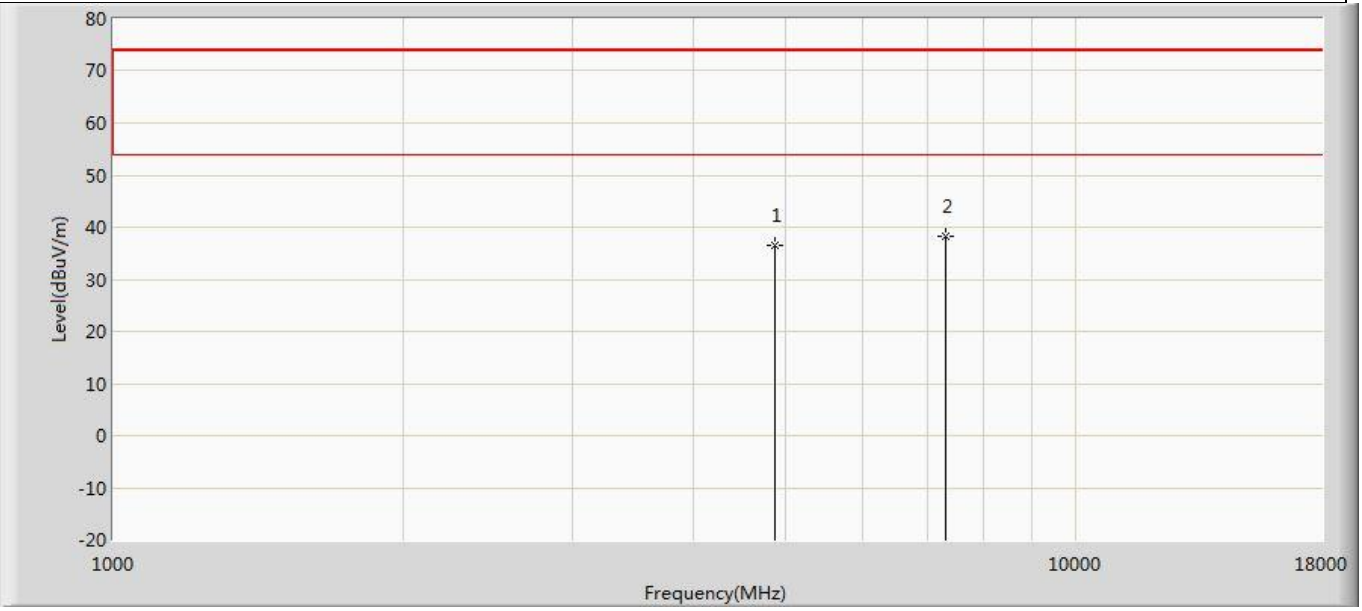
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4824.000	38.136	44.032	-35.864	74.000	-5.896	PK
2	*	7236.000	39.294	42.251	-34.706	74.000	-2.957	PK

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)	



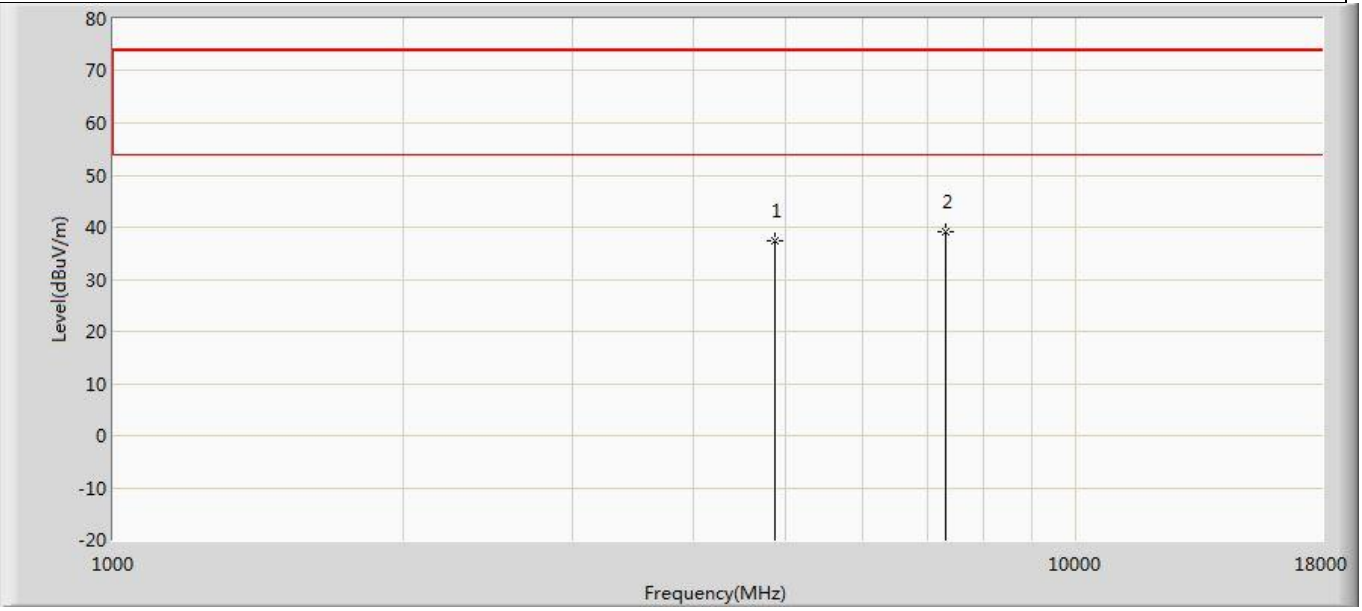
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4824.000	38.846	44.742	-35.154	74.000	-5.896	PK
2	*	7236.000	39.294	42.251	-34.706	74.000	-2.957	PK

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)	



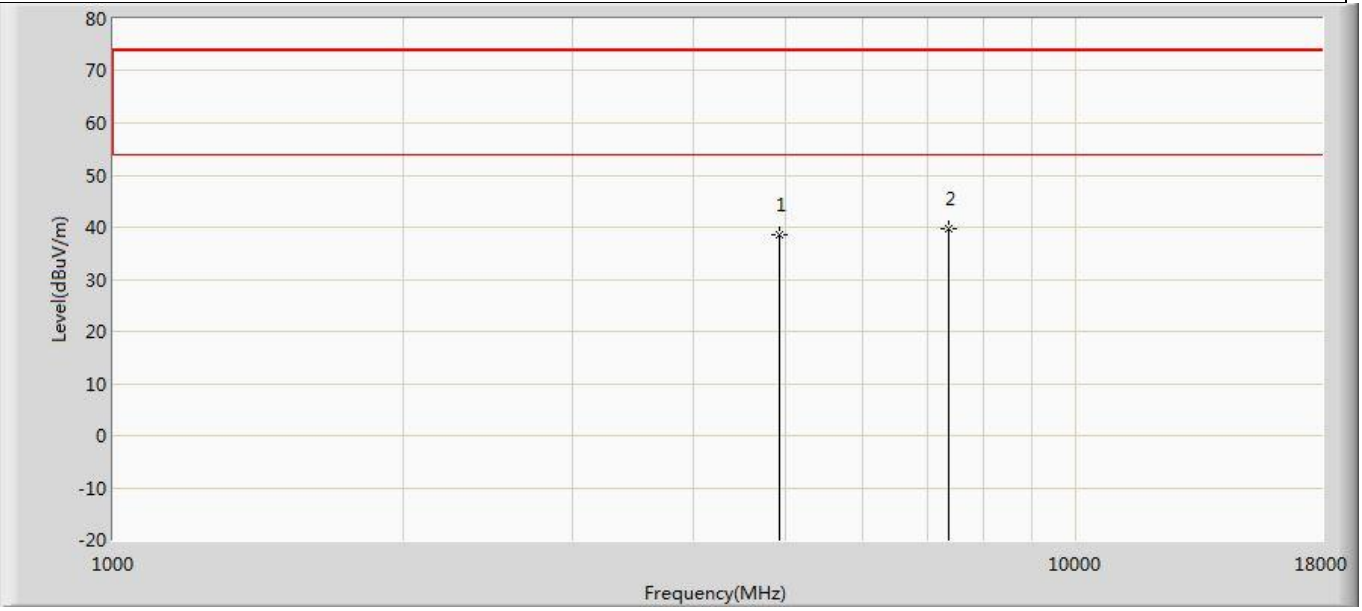
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4874.000	36.463	42.342	-37.537	74.000	-5.879	PK
2	*	7311.000	38.198	41.251	-35.802	74.000	-3.054	PK

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)	



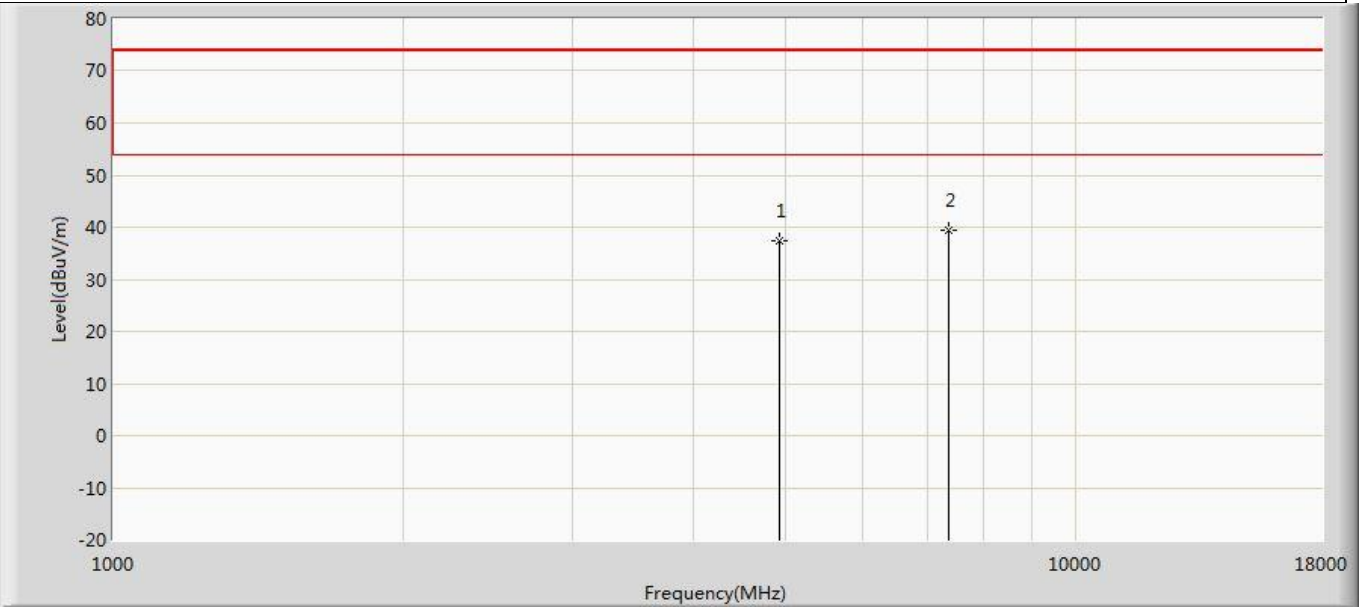
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4874.000	37.446	43.325	-36.554	74.000	-5.879	PK
2	*	7311.000	39.187	42.240	-34.813	74.000	-3.054	PK

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

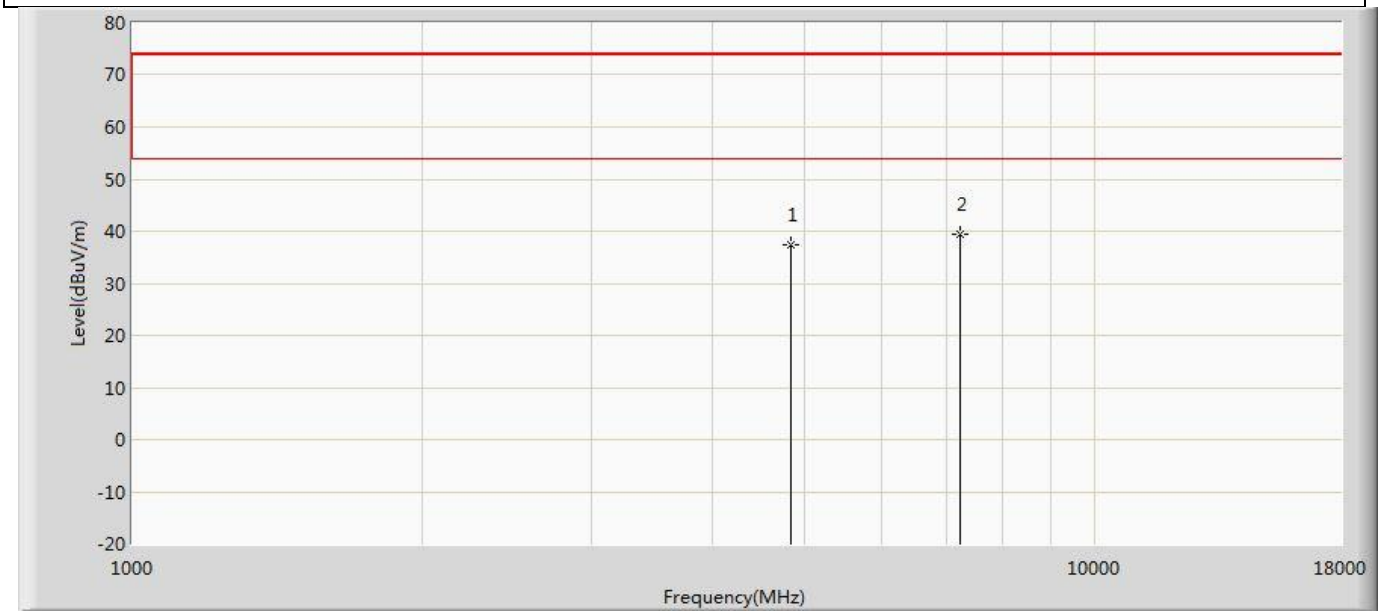
Profile: 20B0117R	Page No.: 24
Engineer: Neil	
Site: AC5	Time: 2021/01/19 - 19:28
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AP510CX	Power: PoE -48V
Note: Mode 2： Transmit at 2462MHz by 802.11ax(20MHz)	



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

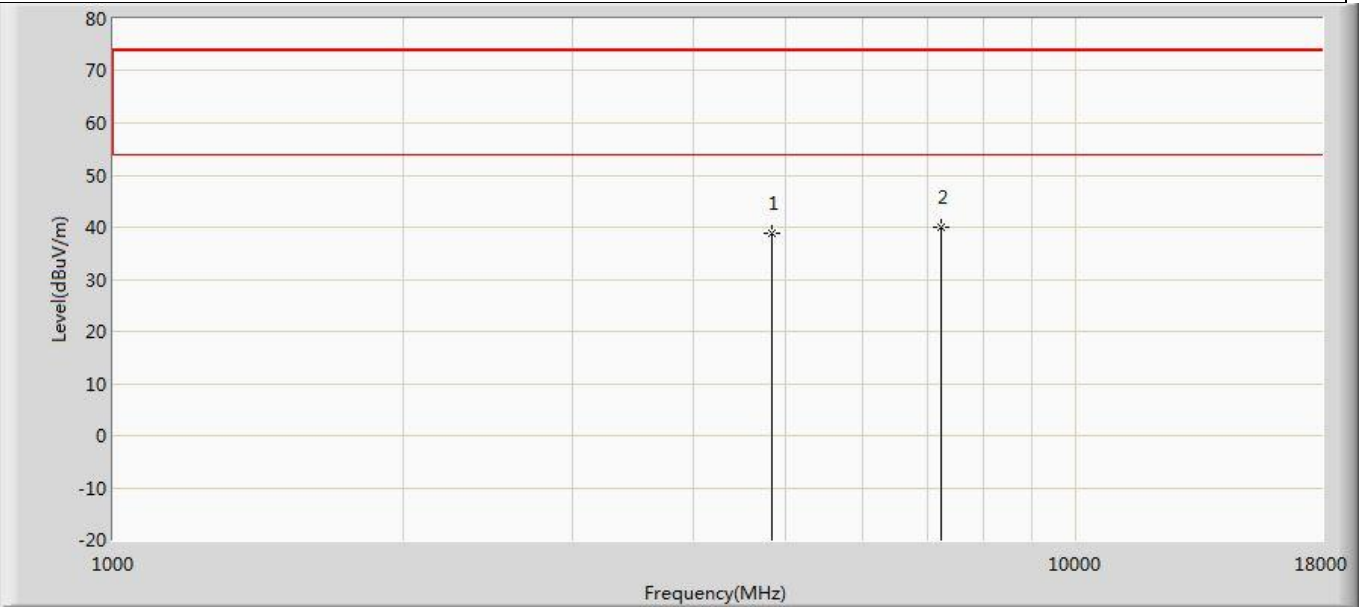
Sector Antenna – MIMO（CDD 4TX）

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	



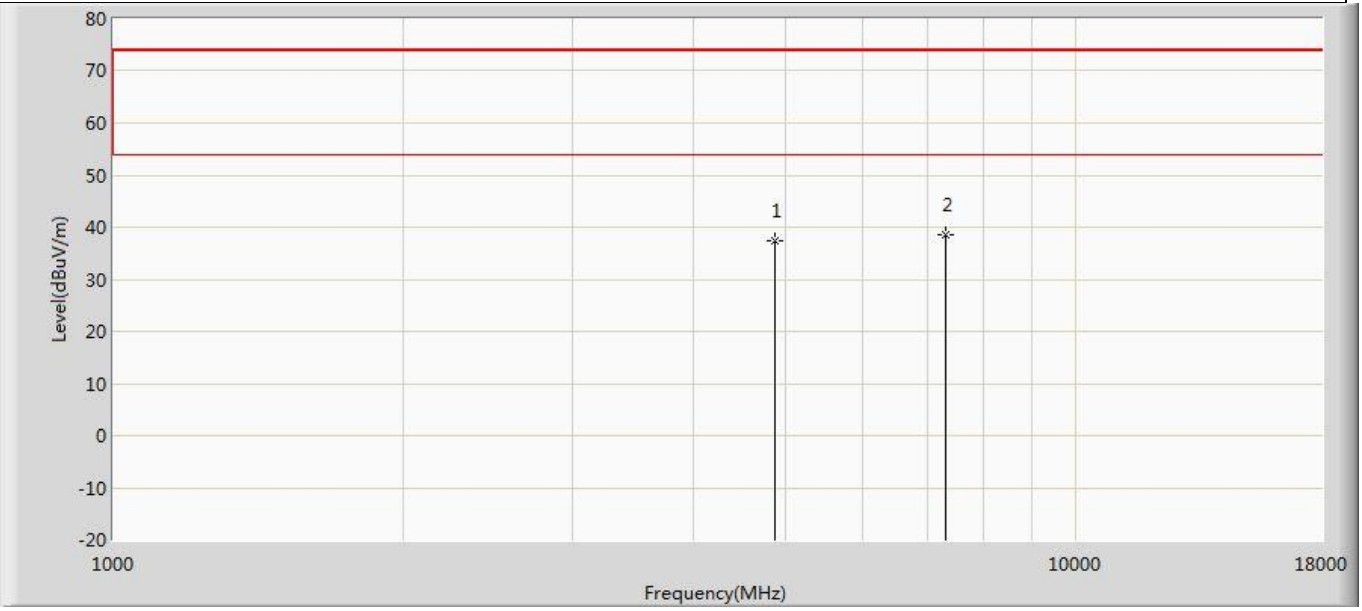
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4824.000	37.334	43.230	-36.666	74.000	-5.896	PK
2	*	7236.000	39.564	42.521	-34.436	74.000	-2.957	PK

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	



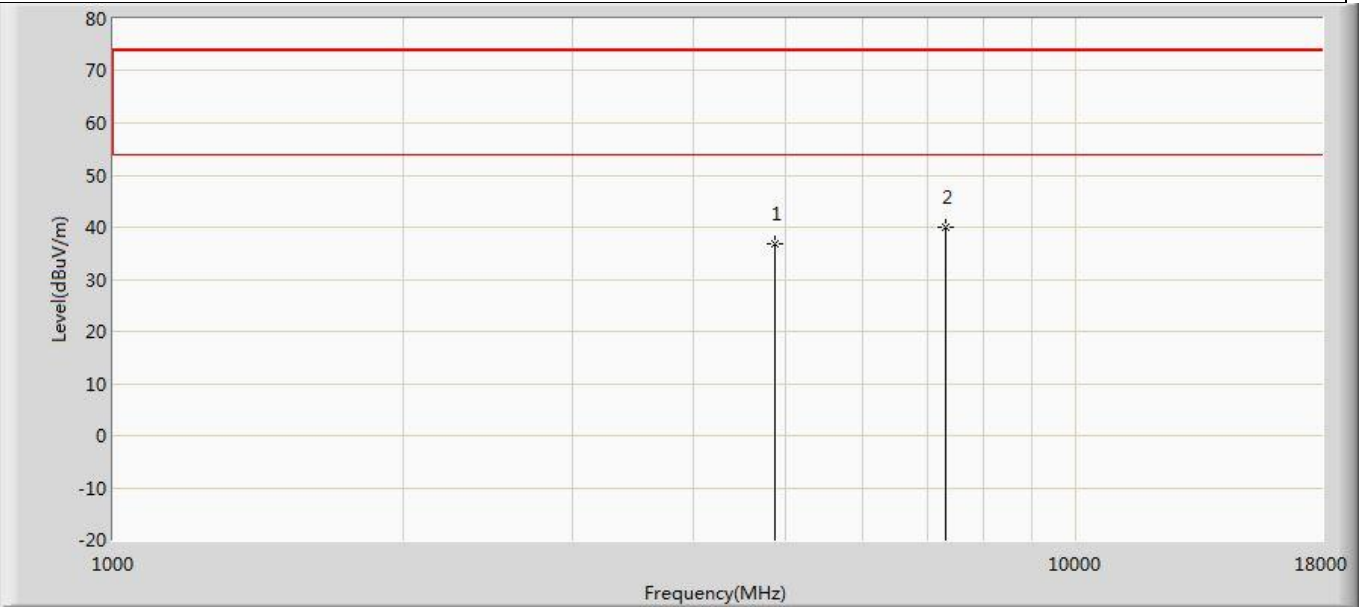
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4824.000	38.764	44.660	-35.236	74.000	-5.896	PK
2	*	7236.000	39.934	42.891	-34.066	74.000	-2.957	PK

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	



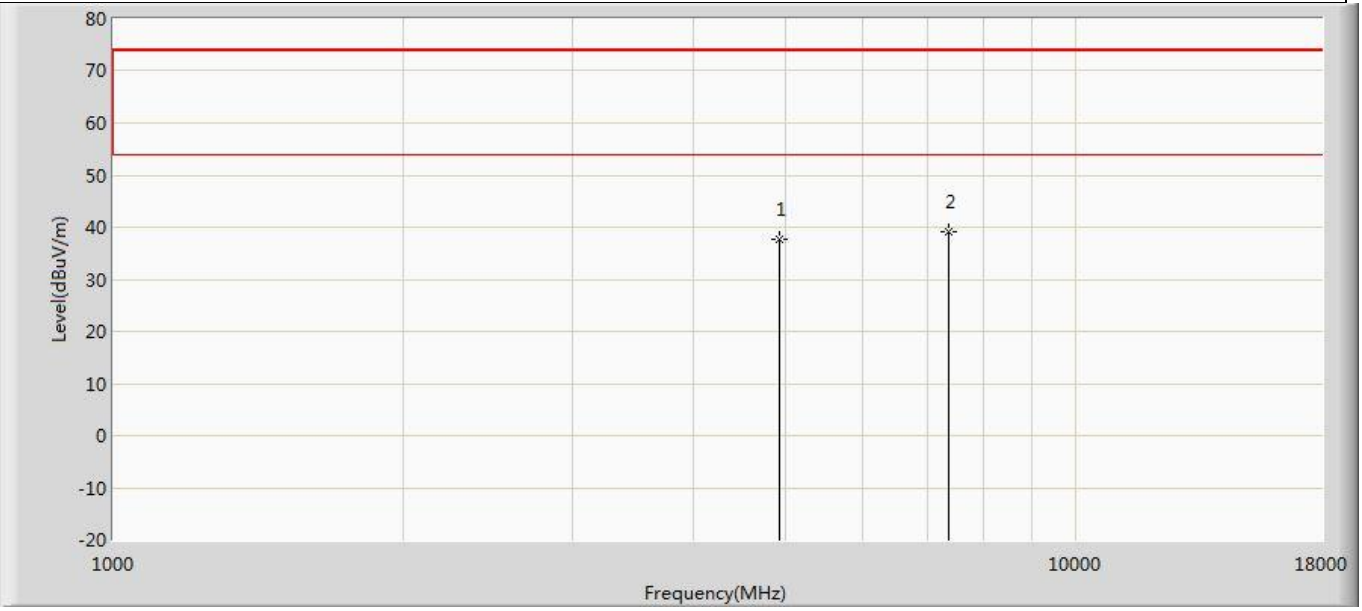
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4874.000	37.384	43.263	-36.616	74.000	-5.879	PK
2	*	7311.000	38.539	41.592	-35.461	74.000	-3.054	PK

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	



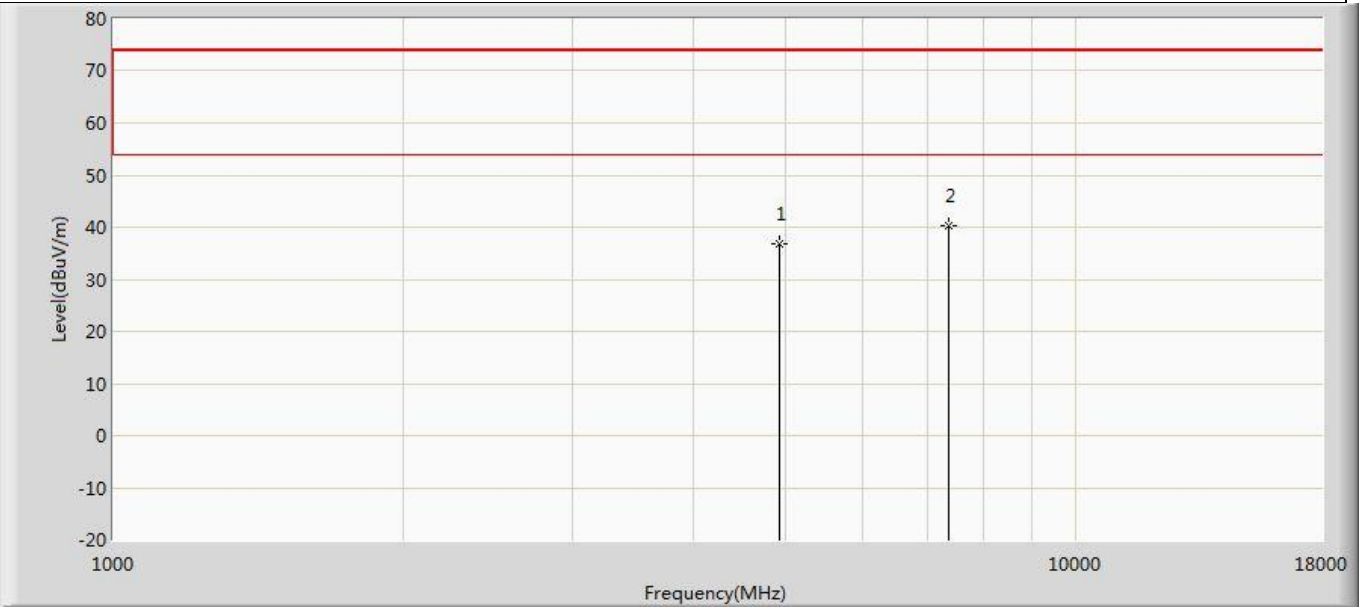
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4874.000	36.768	42.647	-37.232	74.000	-5.879	PK
2	*	7311.000	39.965	43.018	-34.035	74.000	-3.054	PK

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	



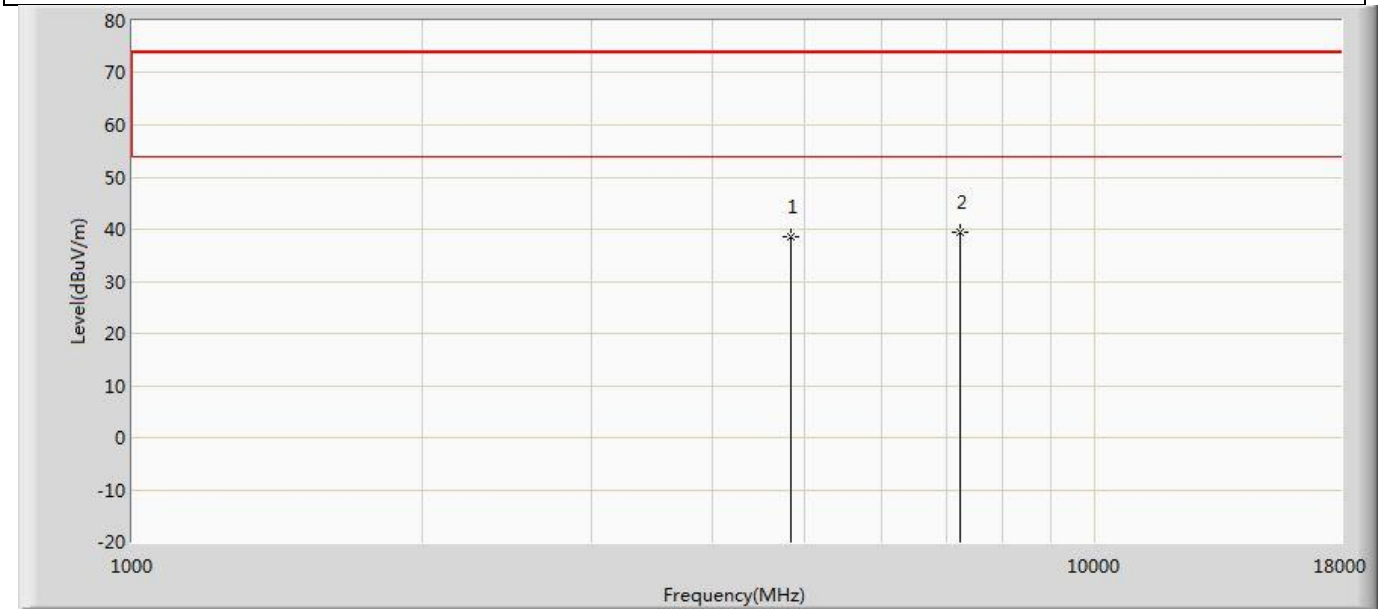
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4924.000	37.634	43.561	-36.366	74.000	-5.927	PK
2	*	7386.000	39.167	42.202	-34.833	74.000	-3.035	PK

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	



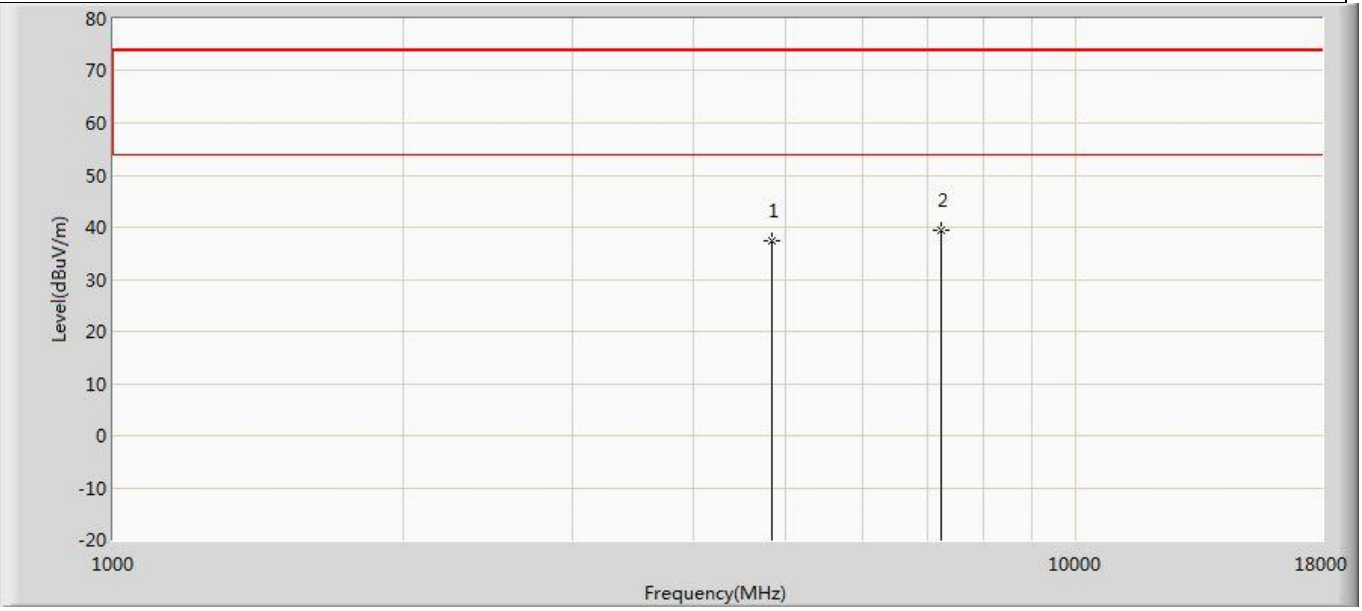
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4924.000	36.886	42.813	-37.114	74.000	-5.927	PK
2	*	7386.000	40.249	43.284	-33.751	74.000	-3.035	PK

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	



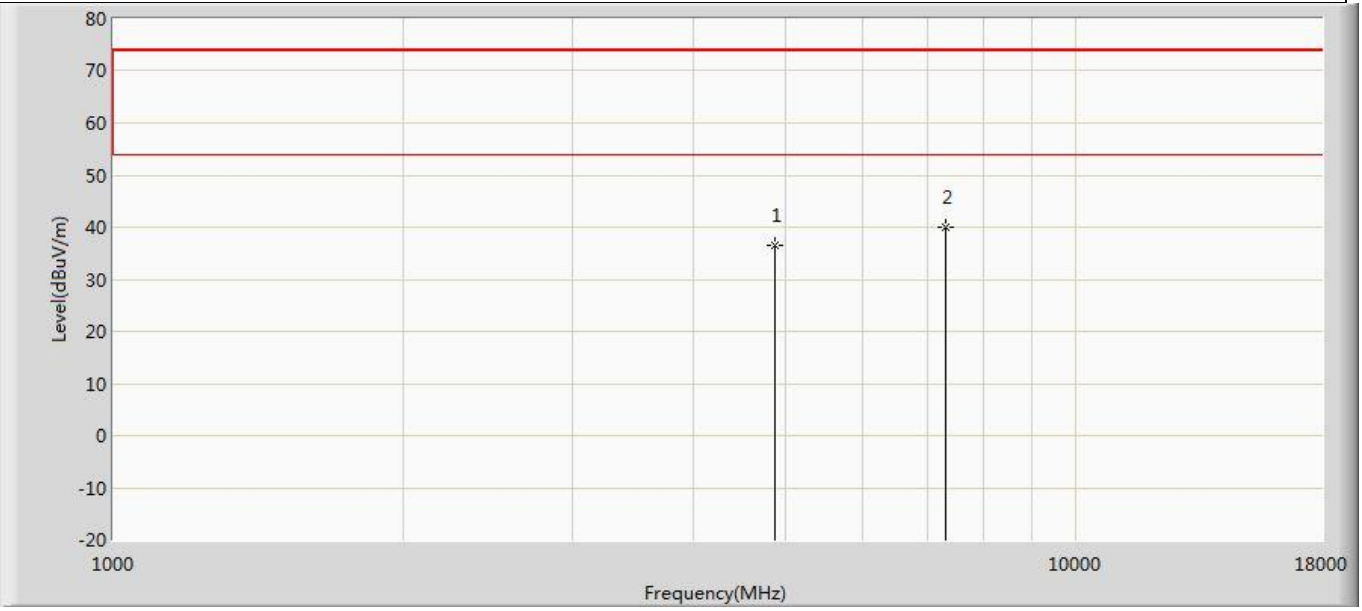
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4824.000	38.631	44.527	-35.369	74.000	-5.896	PK
2	*	7236.000	39.284	42.241	-34.716	74.000	-2.957	PK

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	



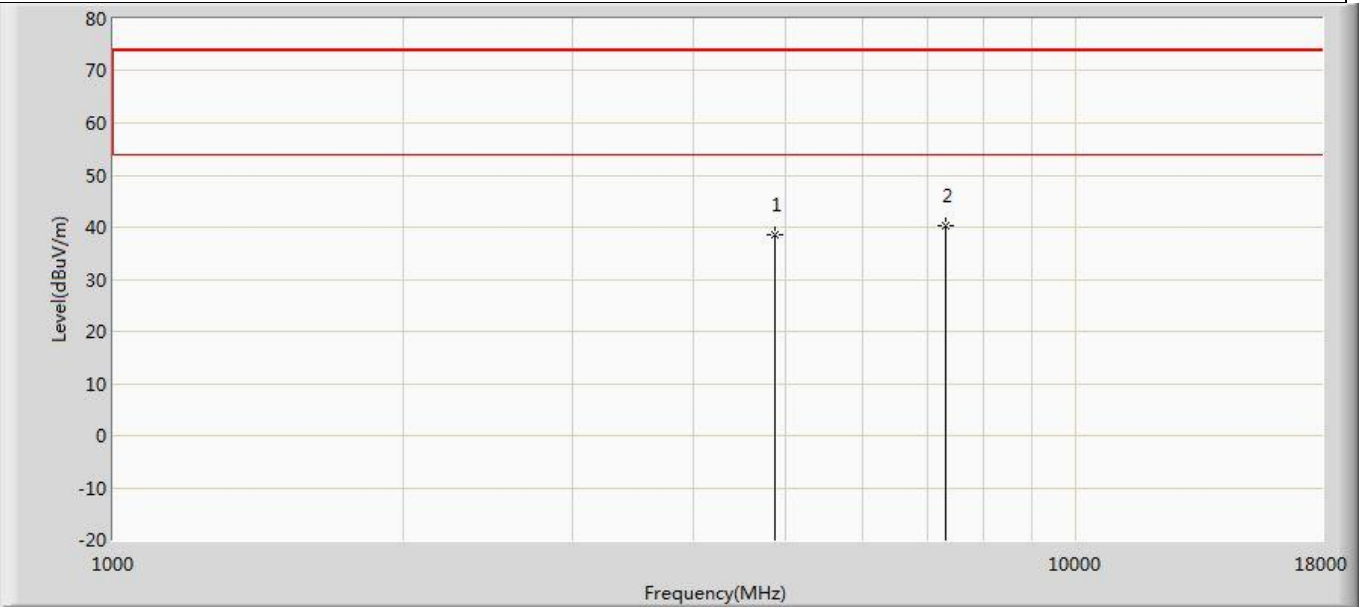
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4824.000	37.465	43.361	-36.535	74.000	-5.896	PK
2	*	7236.000	39.494	42.451	-34.506	74.000	-2.957	PK

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	



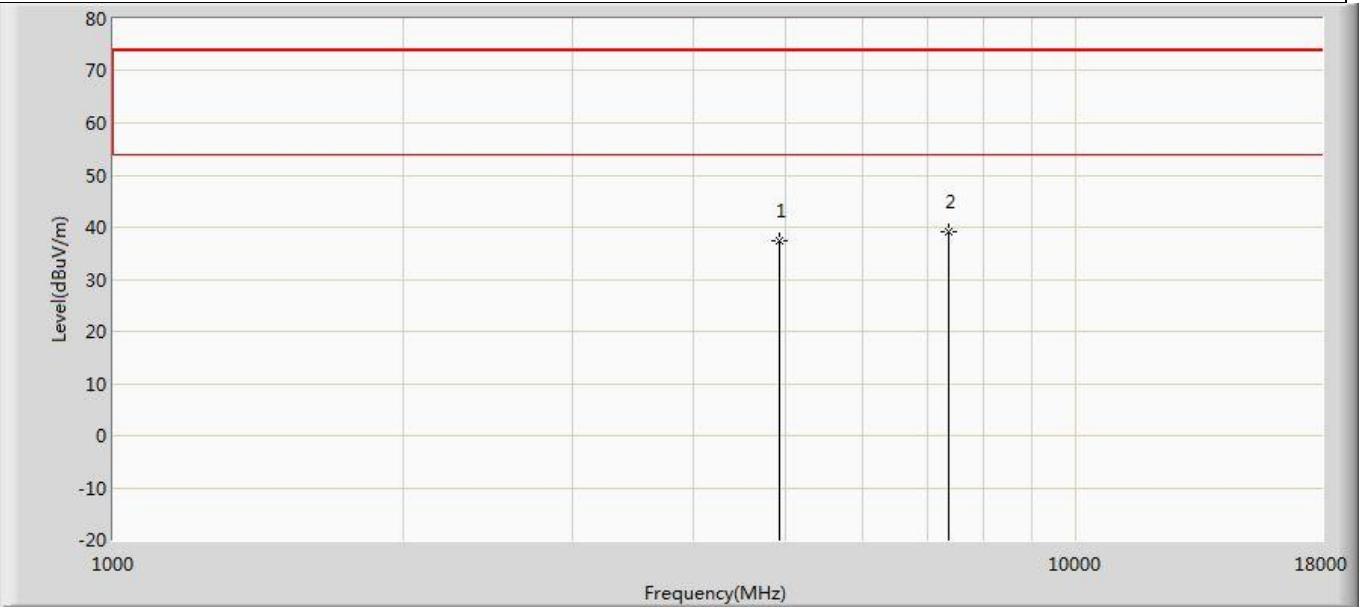
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4874.000	36.528	42.407	-37.472	74.000	-5.879	PK
2	*	7311.000	39.934	42.987	-34.066	74.000	-3.054	PK

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	



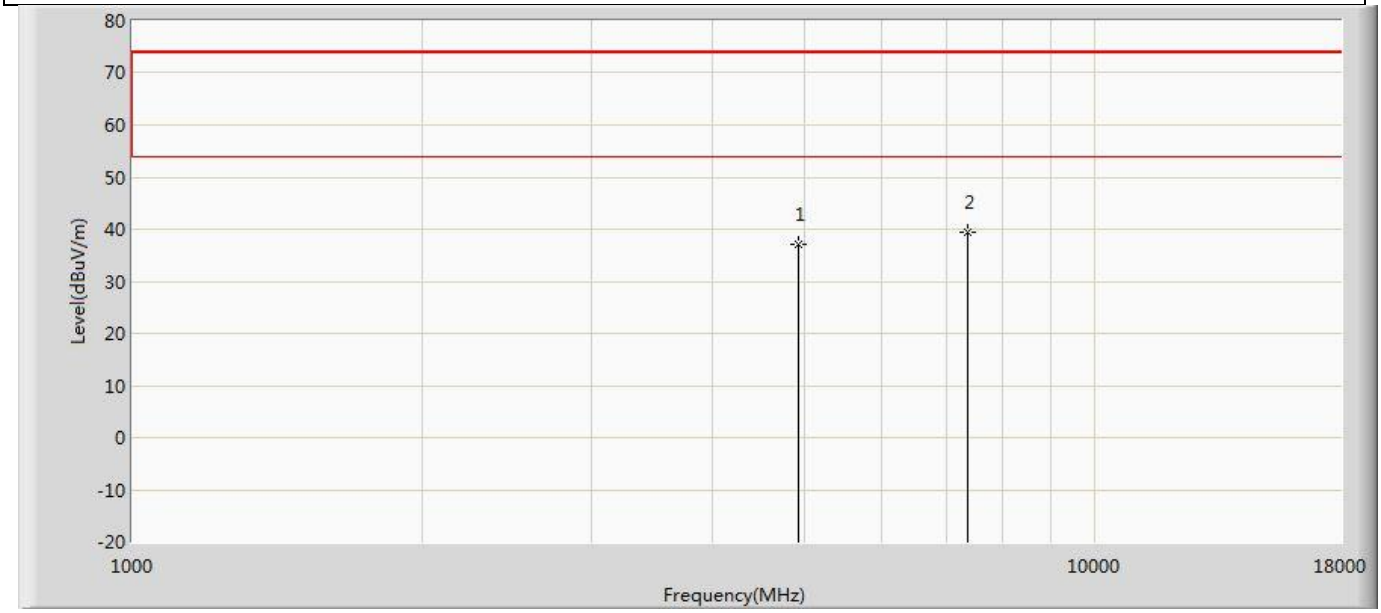
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4874.000	38.534	44.413	-35.466	74.000	-5.879	PK
2	*	7311.000	40.248	43.301	-33.752	74.000	-3.054	PK

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	



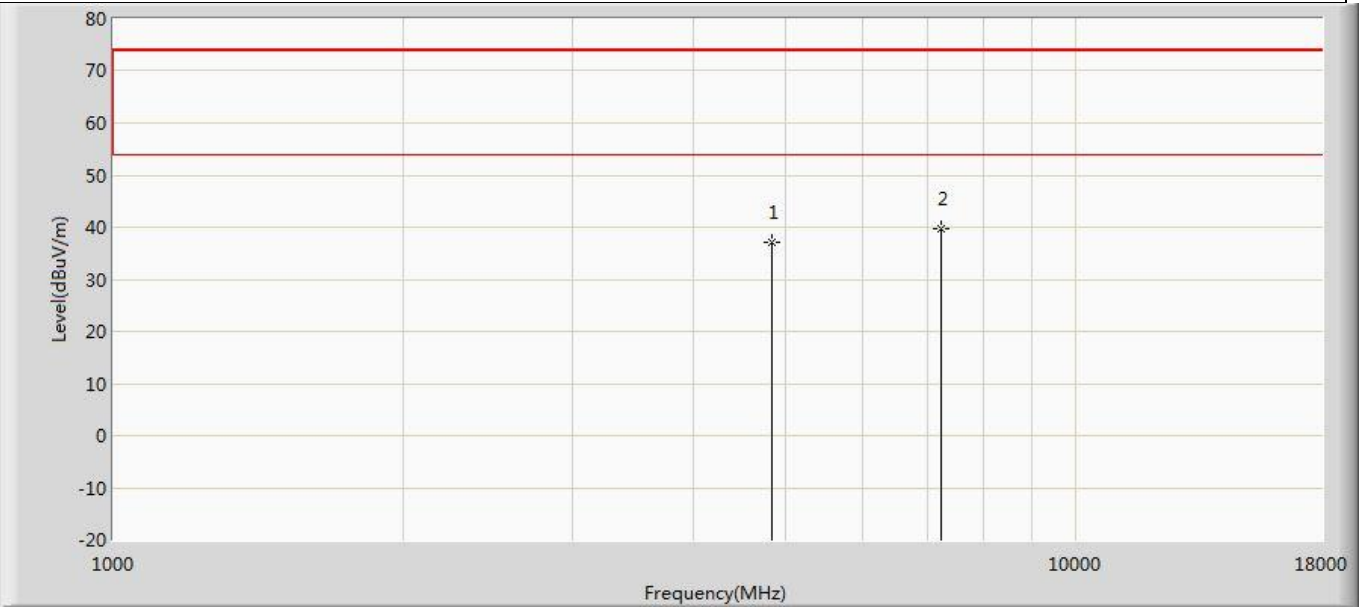
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4924.000	37.415	43.342	-36.585	74.000	-5.927	PK
2	*	7386.000	39.231	42.266	-34.769	74.000	-3.035	PK

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	



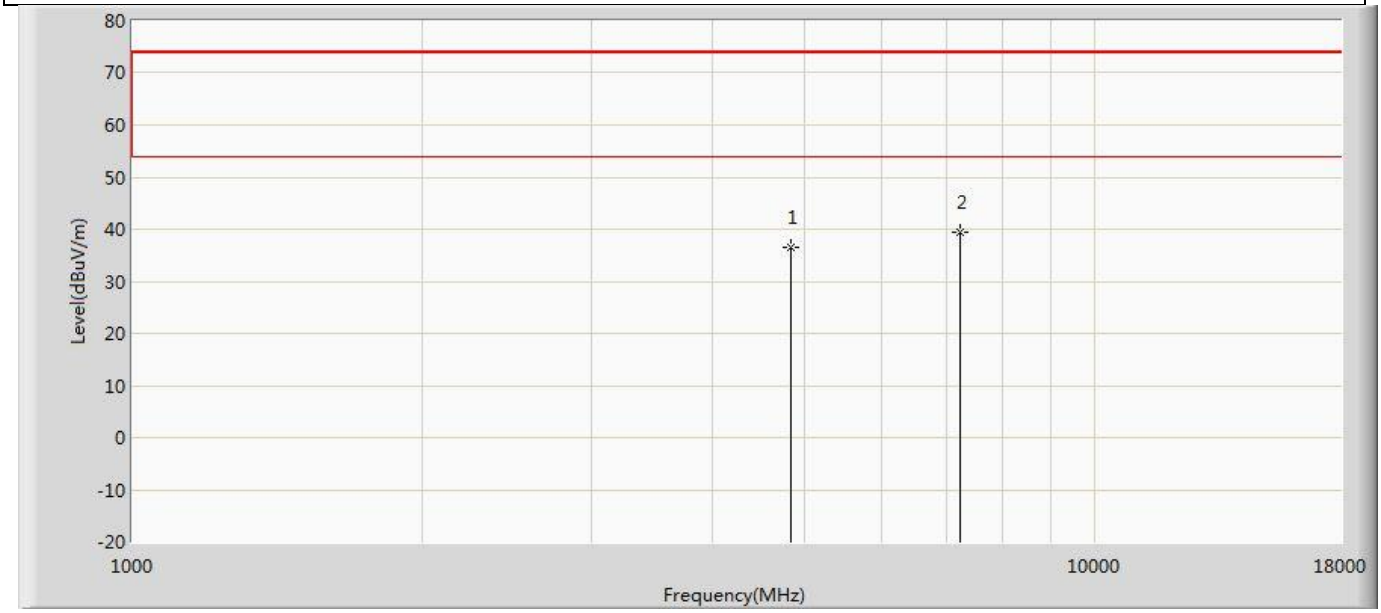
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4924.000	37.166	43.093	-36.834	74.000	-5.927	PK
2	*	7386.000	39.352	42.387	-34.648	74.000	-3.035	PK

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)	



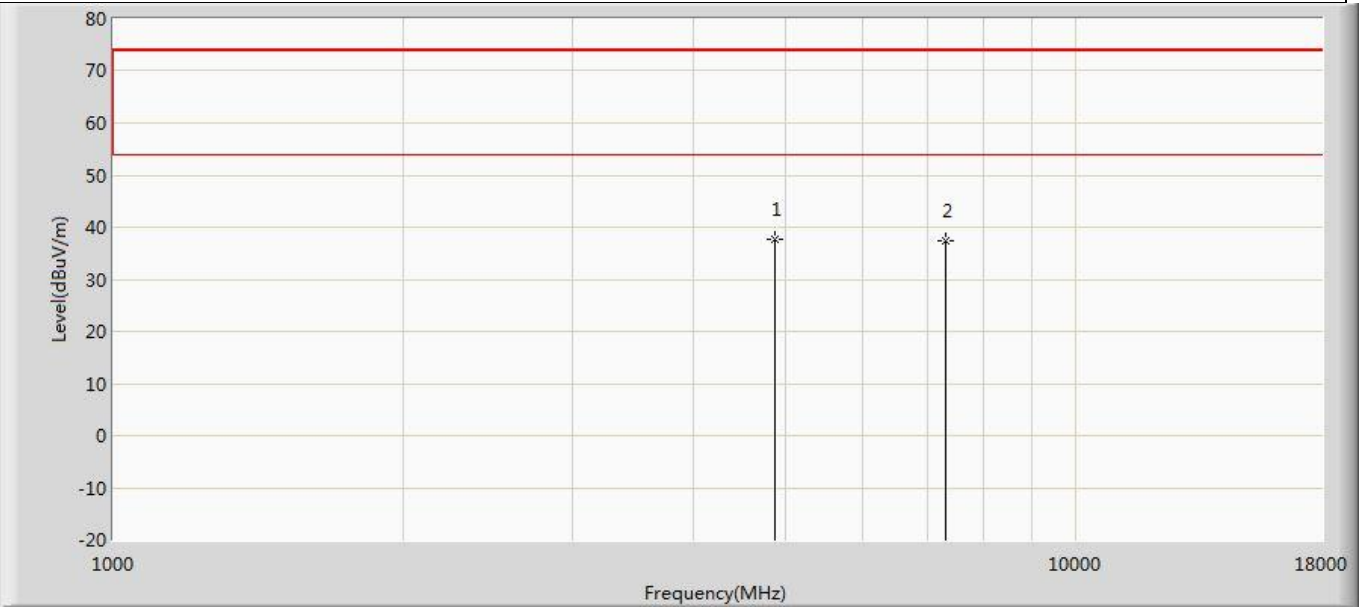
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4824.000	37.236	43.132	-36.764	74.000	-5.896	PK
2	*	7236.000	39.637	42.594	-34.363	74.000	-2.957	PK

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)	



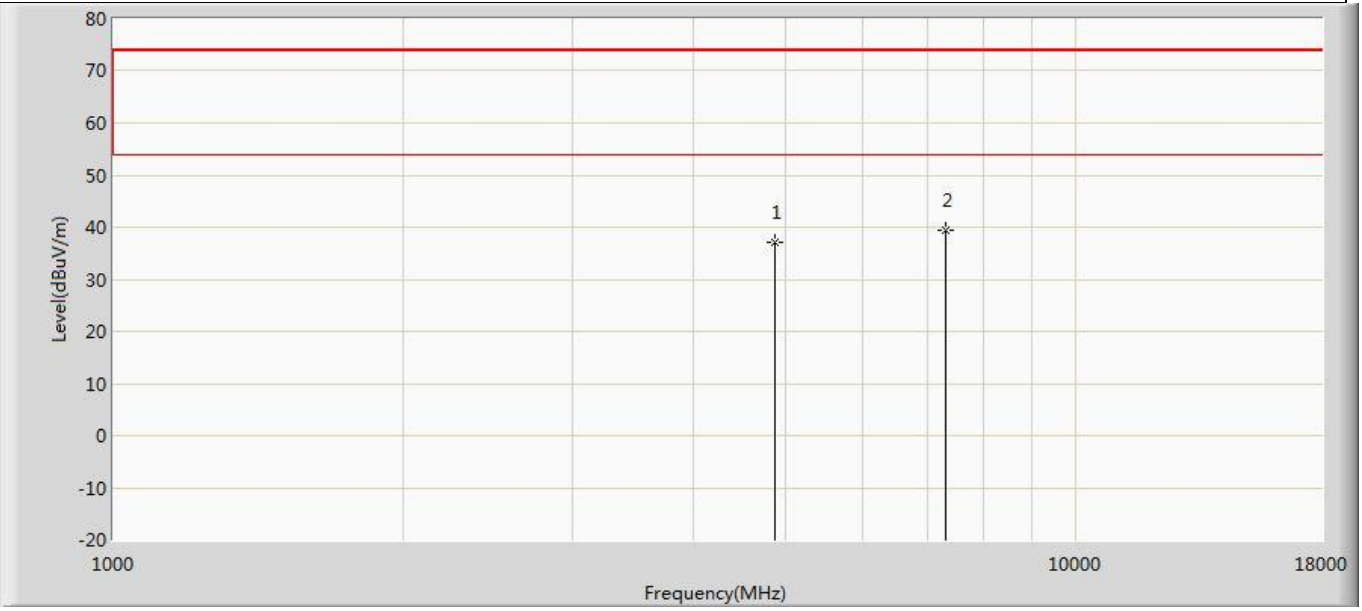
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4824.000	36.622	42.518	-37.378	74.000	-5.896	PK
2	*	7236.000	39.364	42.321	-34.636	74.000	-2.957	PK

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)	



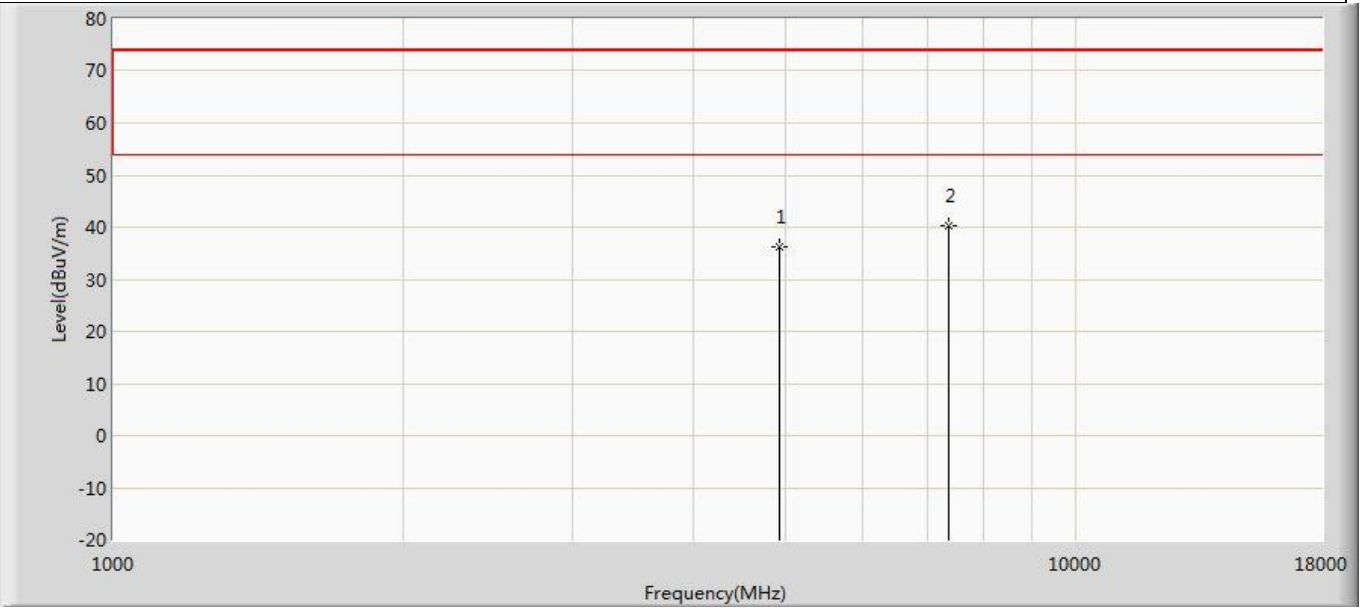
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1	*	4874.000	37.549	43.428	-36.451	74.000	-5.879	PK
2		7311.000	37.500	40.553	-36.500	74.000	-3.054	PK

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)	



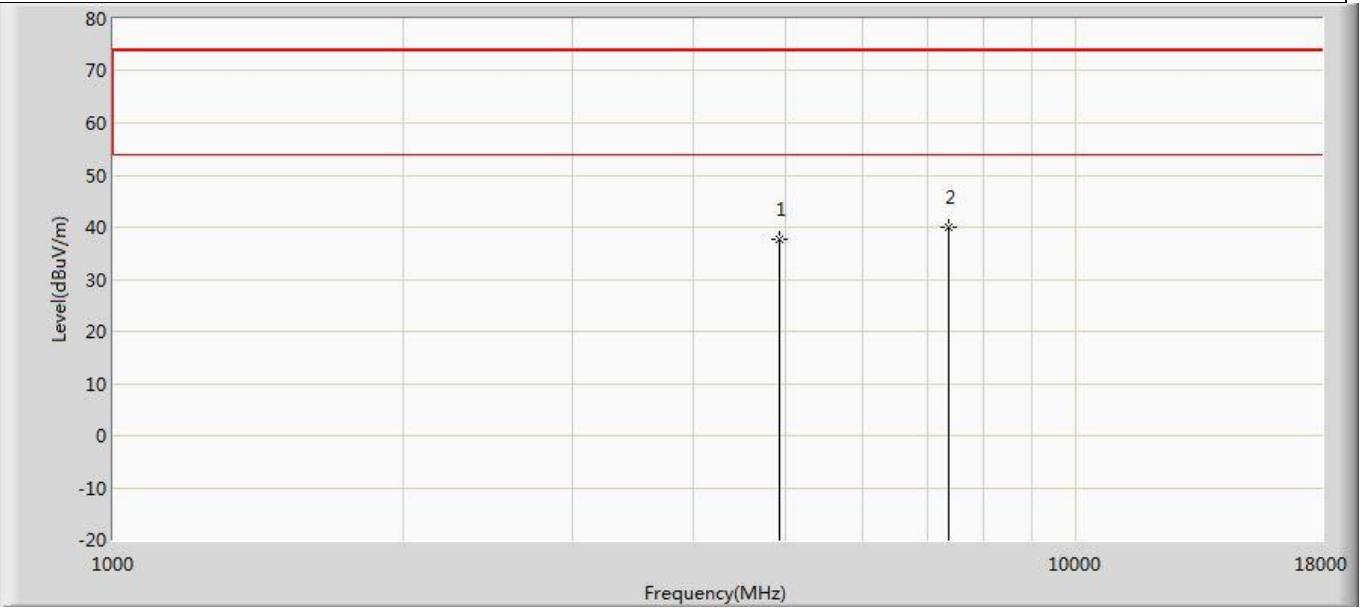
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4874.000	37.238	43.117	-36.762	74.000	-5.879	PK
2	*	7311.000	39.362	42.415	-34.638	74.000	-3.054	PK

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)	



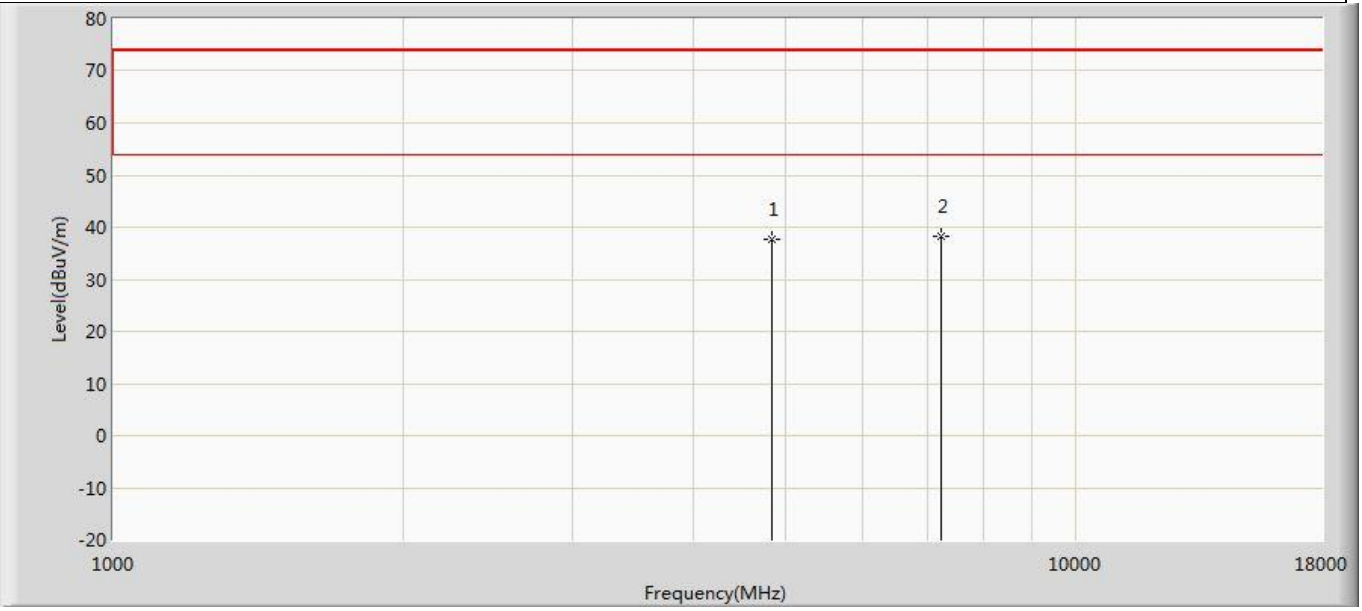
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4924.000	36.349	42.276	-37.651	74.000	-5.927	PK
2	*	7386.000	40.374	43.409	-33.626	74.000	-3.035	PK

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)	



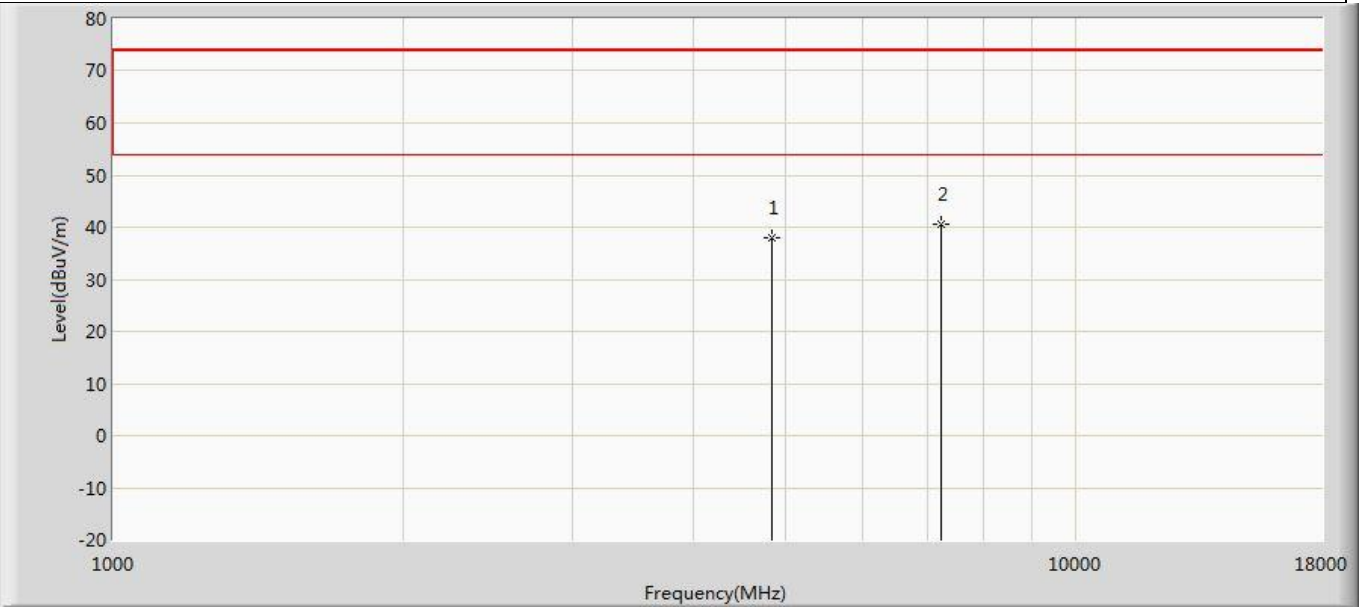
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4924.000	37.635	43.562	-36.365	74.000	-5.927	PK
2	*	7386.000	39.856	42.891	-34.144	74.000	-3.035	PK

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)	



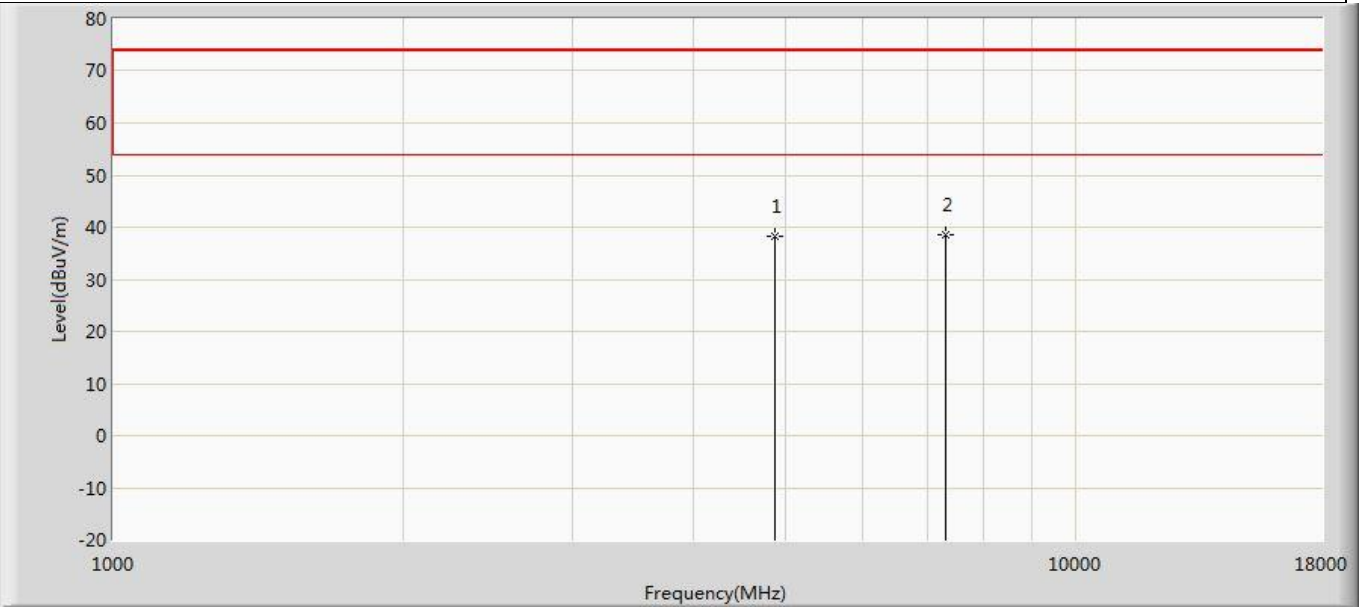
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4824.000	37.634	43.530	-36.366	74.000	-5.896	PK
2	*	7236.000	38.367	41.324	-35.633	74.000	-2.957	PK

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)	



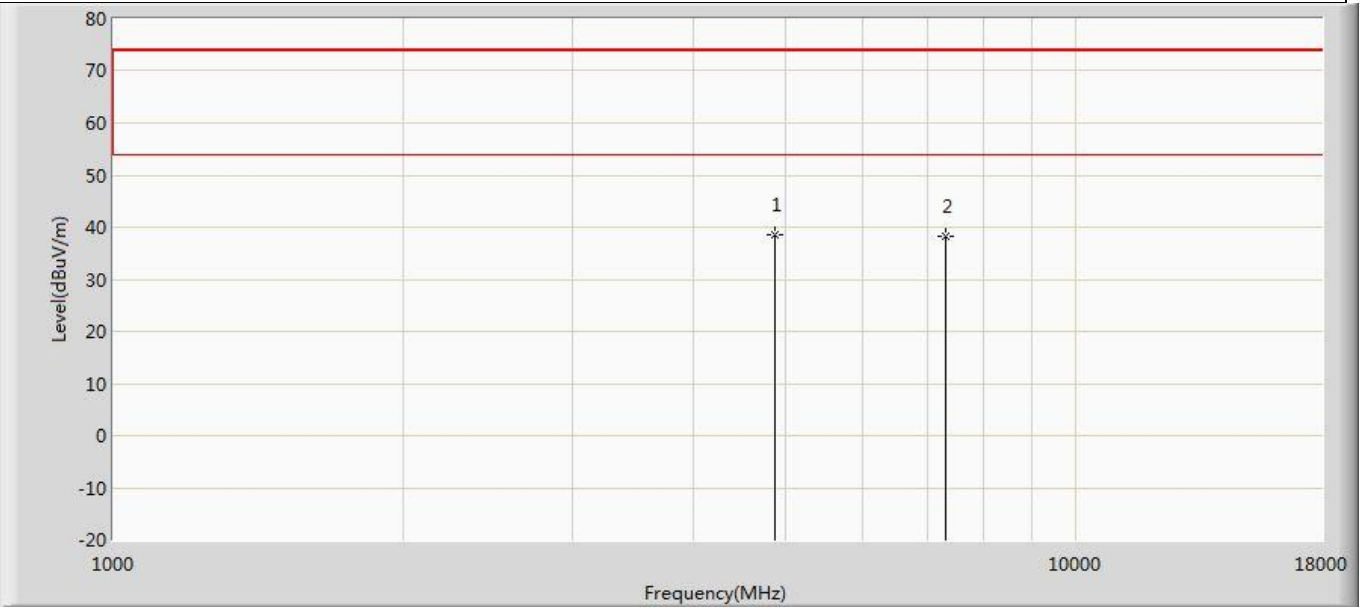
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4824.000	37.968	43.864	-36.032	74.000	-5.896	PK
2	*	7236.000	40.638	43.595	-33.362	74.000	-2.957	PK

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)	



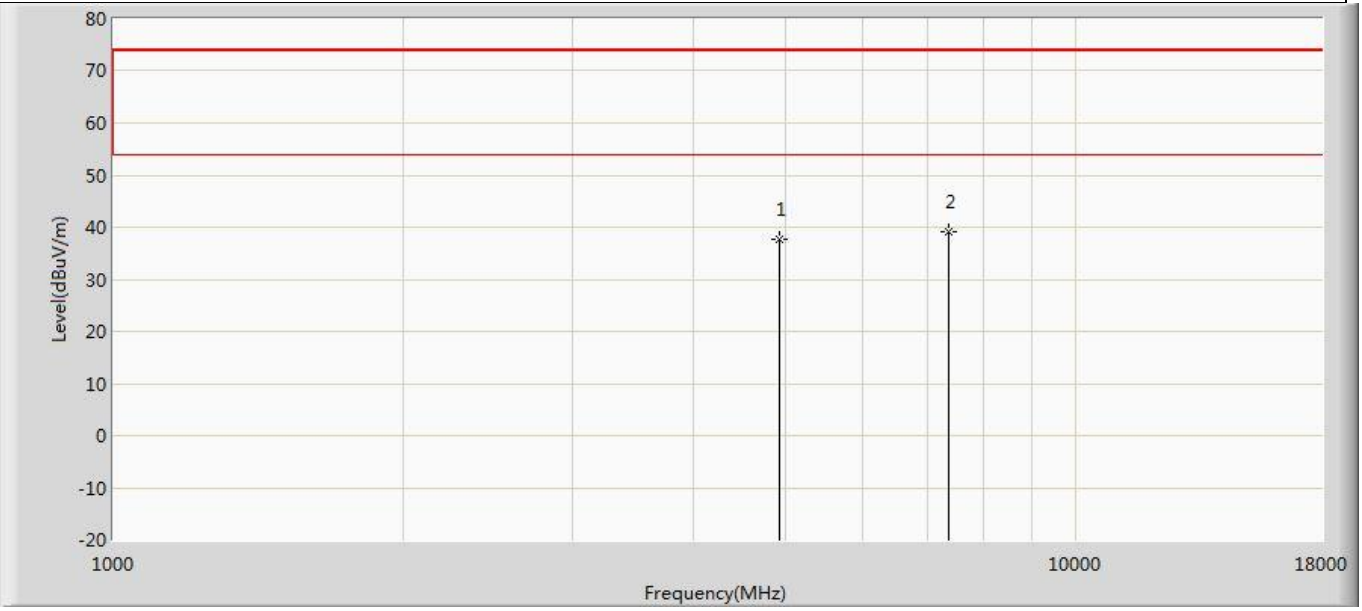
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4874.000	38.366	44.245	-35.634	74.000	-5.879	PK
2	*	7311.000	38.582	41.635	-35.418	74.000	-3.054	PK

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)	



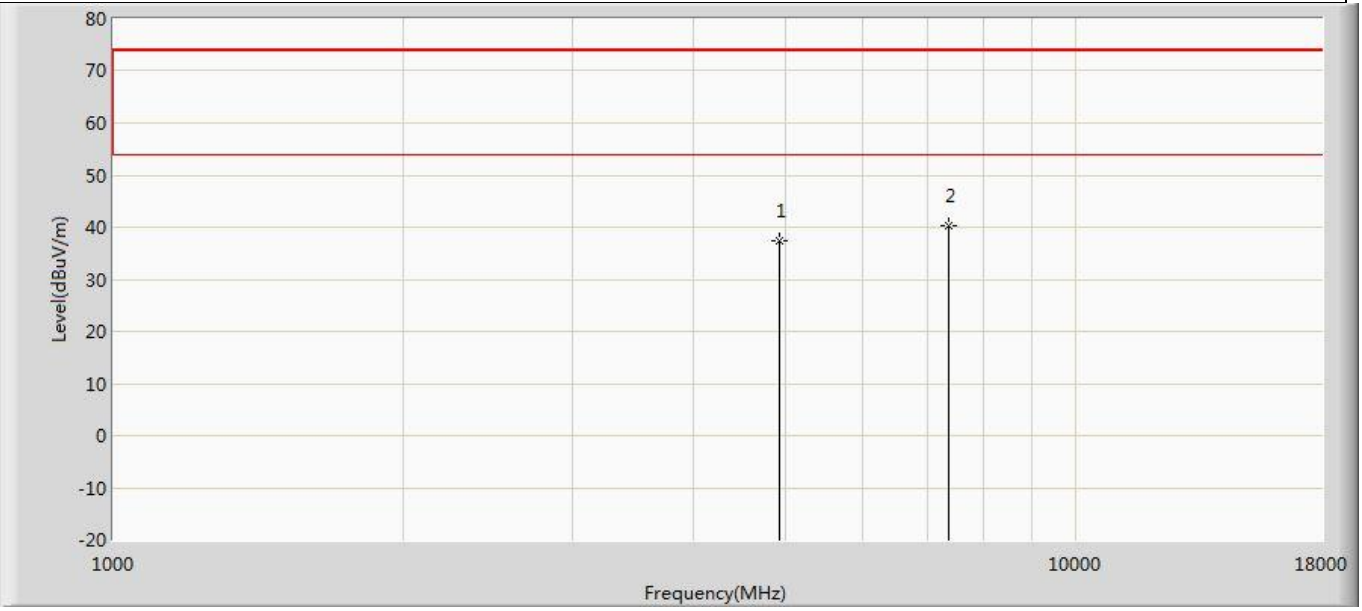
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1	*	4874.000	38.646	44.525	-35.354	74.000	-5.879	PK
2		7311.000	38.368	41.421	-35.632	74.000	-3.054	PK

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

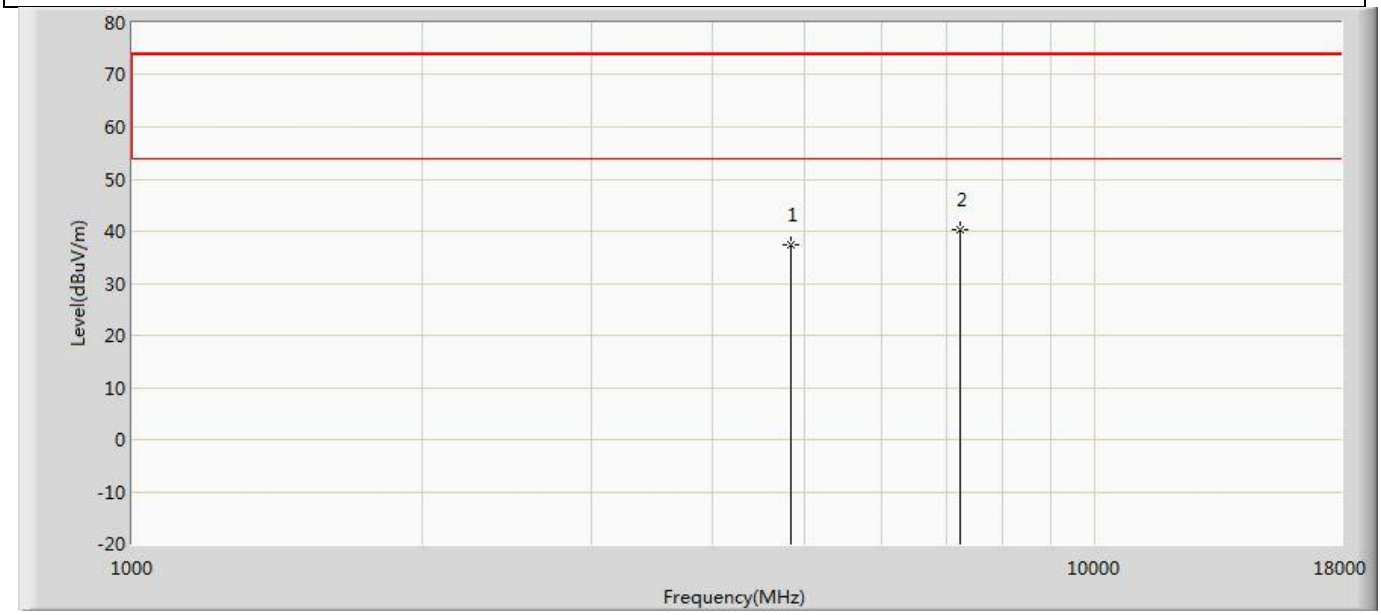
Profile: 20B0117R	Page No.: 48
Engineer: Neil	
Site: AC5	Time: 2021/01/19 - 20:17
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AP510CX	Power: PoE -48V
Note: Mode 4： Transmit at 2462MHz by 802.11ax(20MHz)	



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

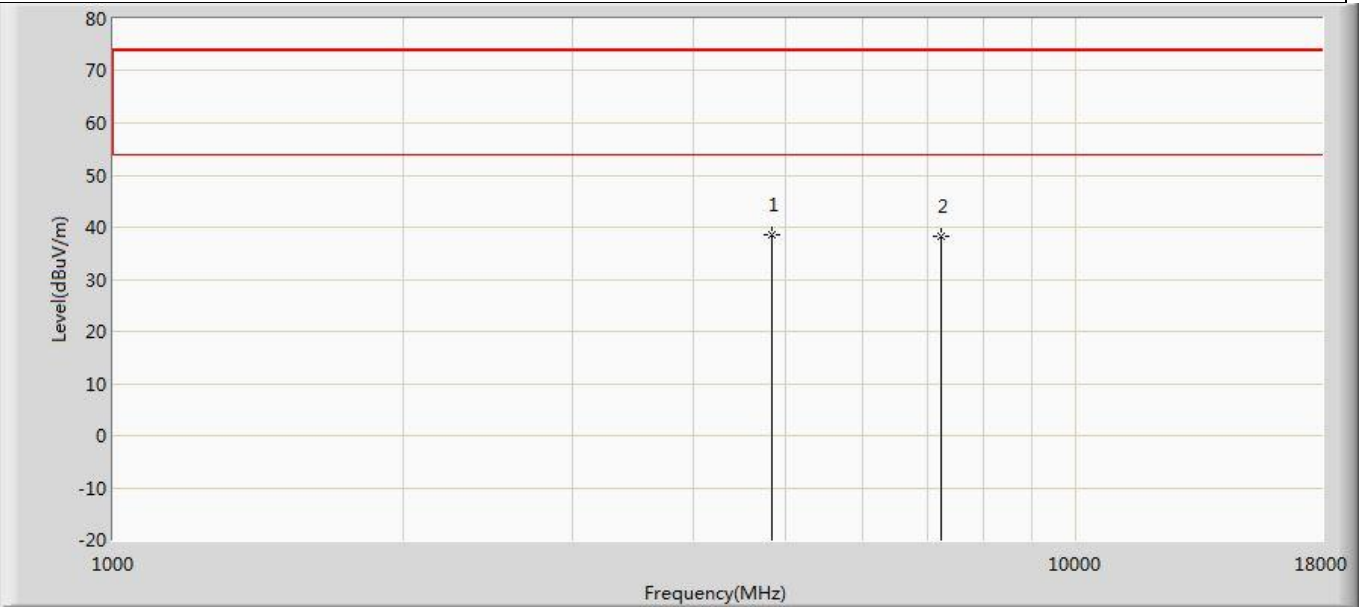
Sector Antenna – MIMO（Beamforming 4TX）

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)	



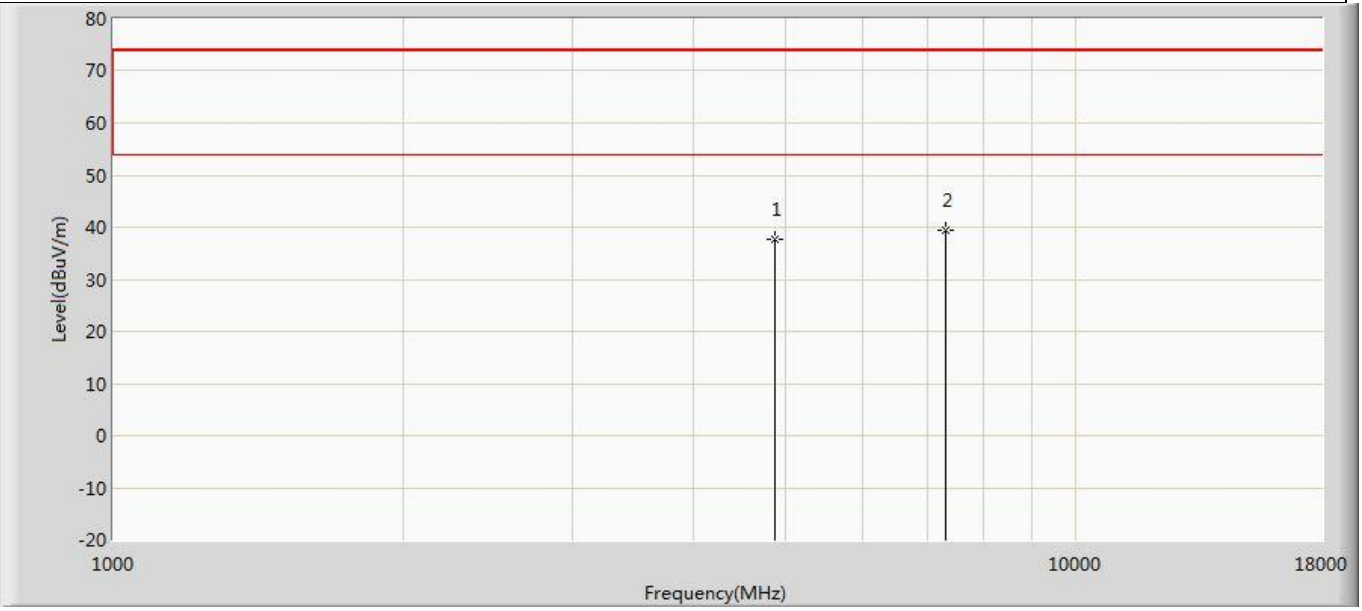
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4824.000	37.345	43.241	-36.655	74.000	-5.896	PK
2	*	7236.000	40.361	43.318	-33.639	74.000	-2.957	PK

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)	



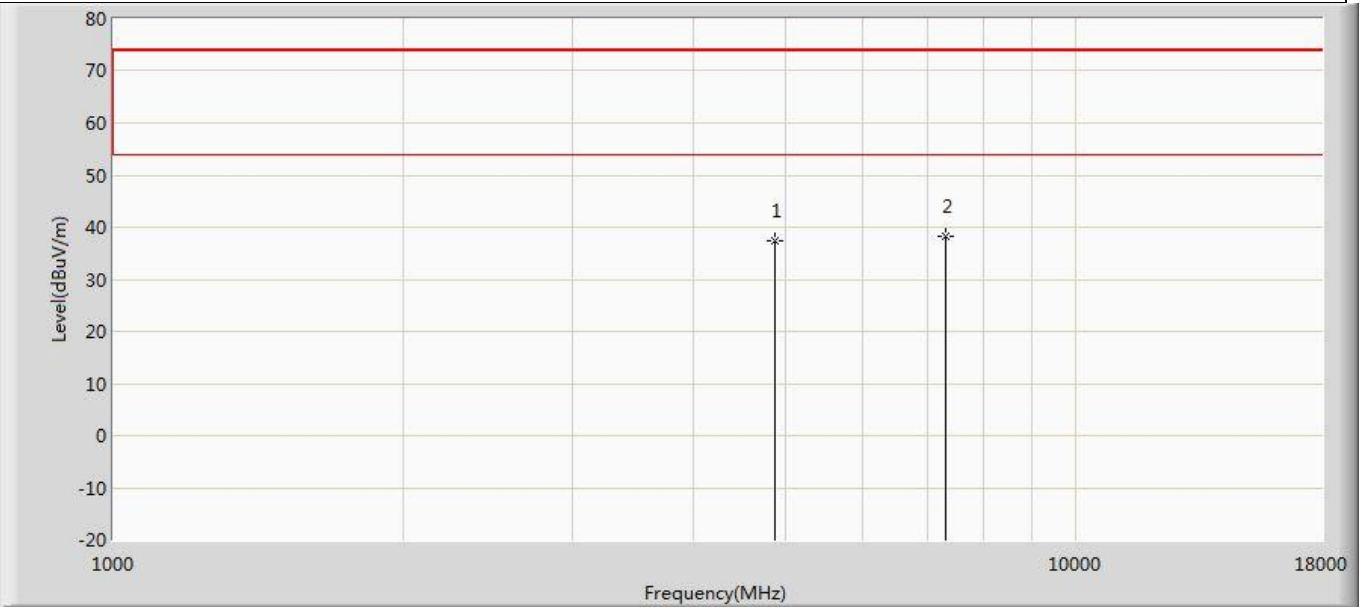
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1	*	4824.000	38.465	44.361	-35.535	74.000	-5.896	PK
2		7236.000	38.349	41.306	-35.651	74.000	-2.957	PK

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)	



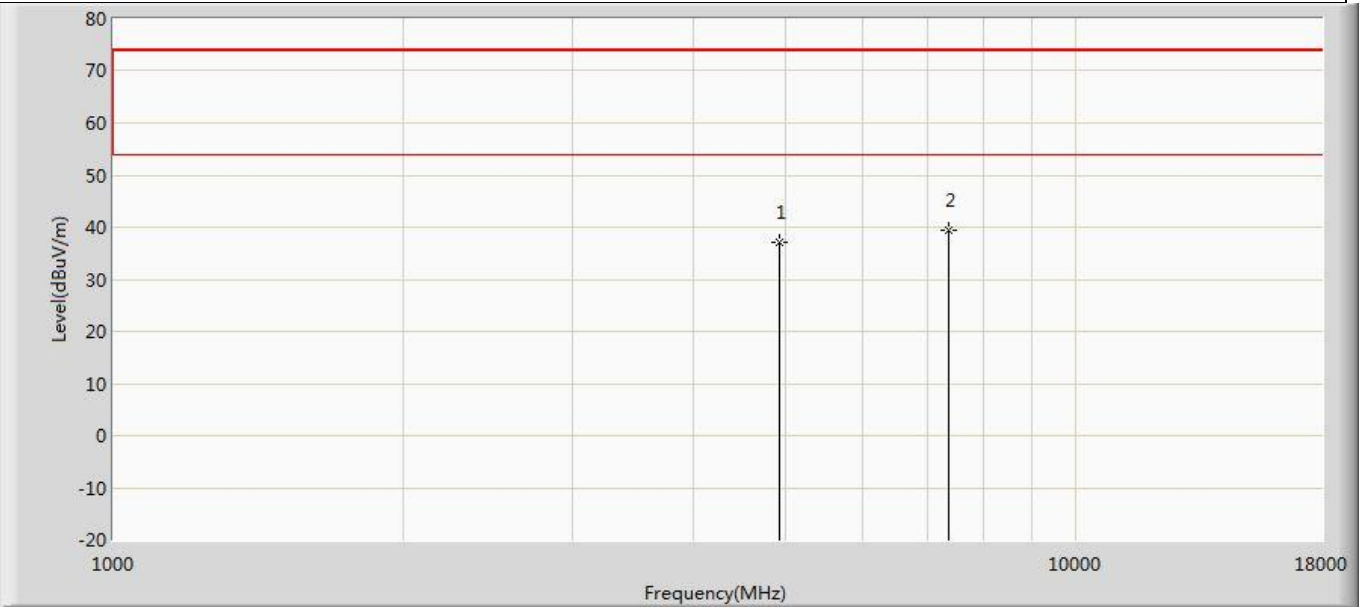
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4874.000	37.563	43.442	-36.437	74.000	-5.879	PK
2	*	7311.000	39.463	42.516	-34.537	74.000	-3.054	PK

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)	



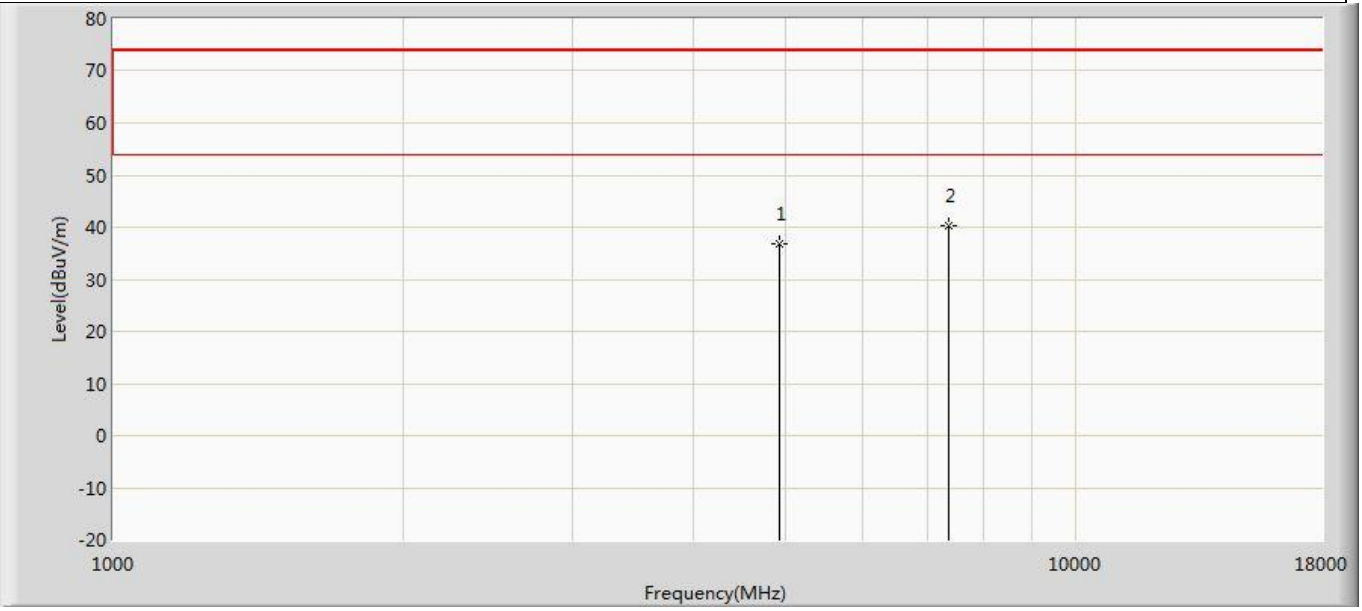
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4874.000	37.446	43.325	-36.554	74.000	-5.879	PK
2	*	7311.000	38.374	41.427	-35.626	74.000	-3.054	PK

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)	



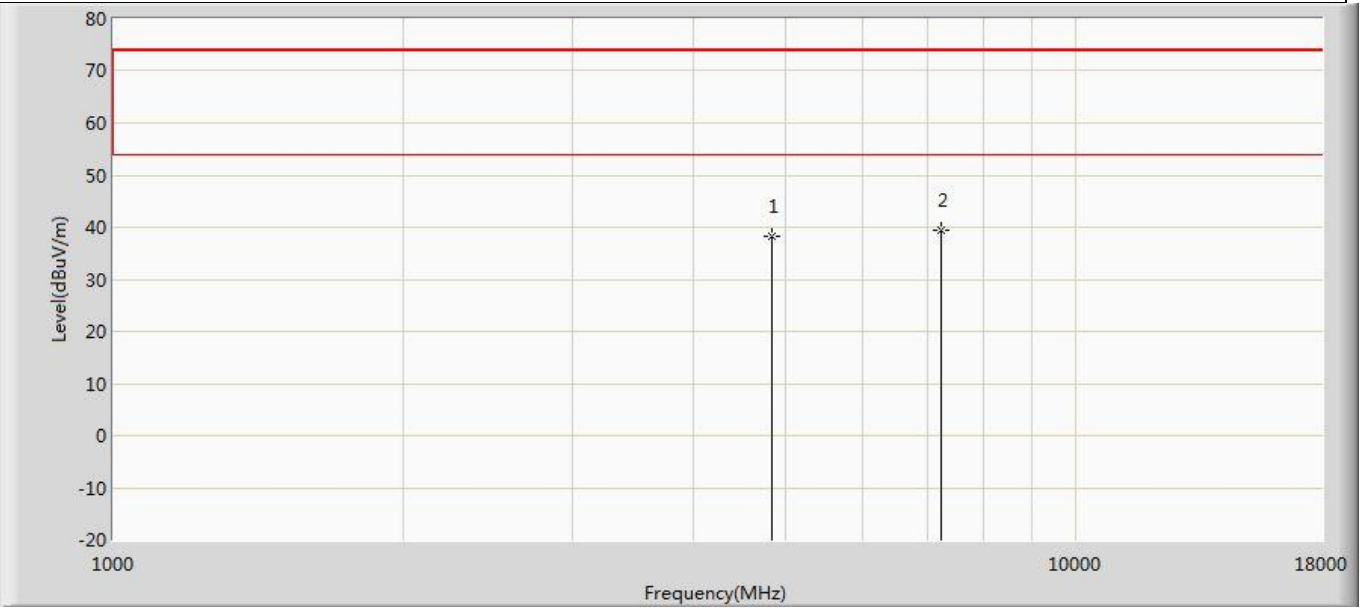
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4924.000	37.198	43.125	-36.802	74.000	-5.927	PK
2	*	7386.000	39.468	42.503	-34.532	74.000	-3.035	PK

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)	



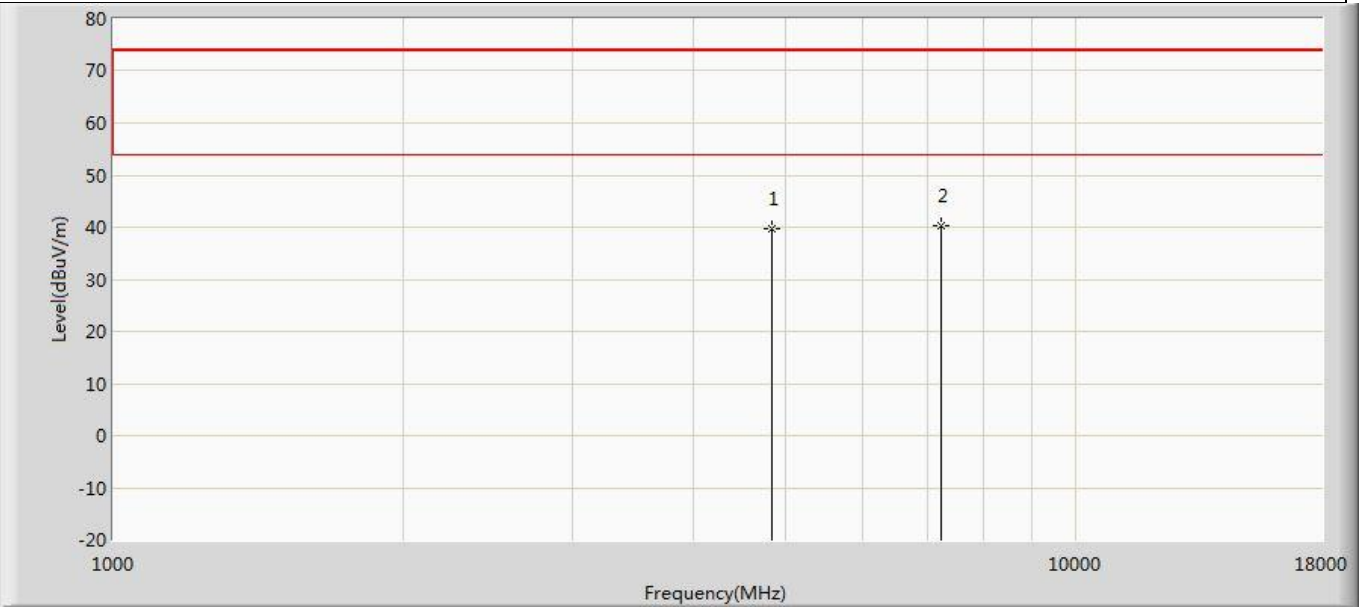
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4924.000	36.864	42.791	-37.136	74.000	-5.927	PK
2	*	7386.000	40.416	43.451	-33.584	74.000	-3.035	PK

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)	



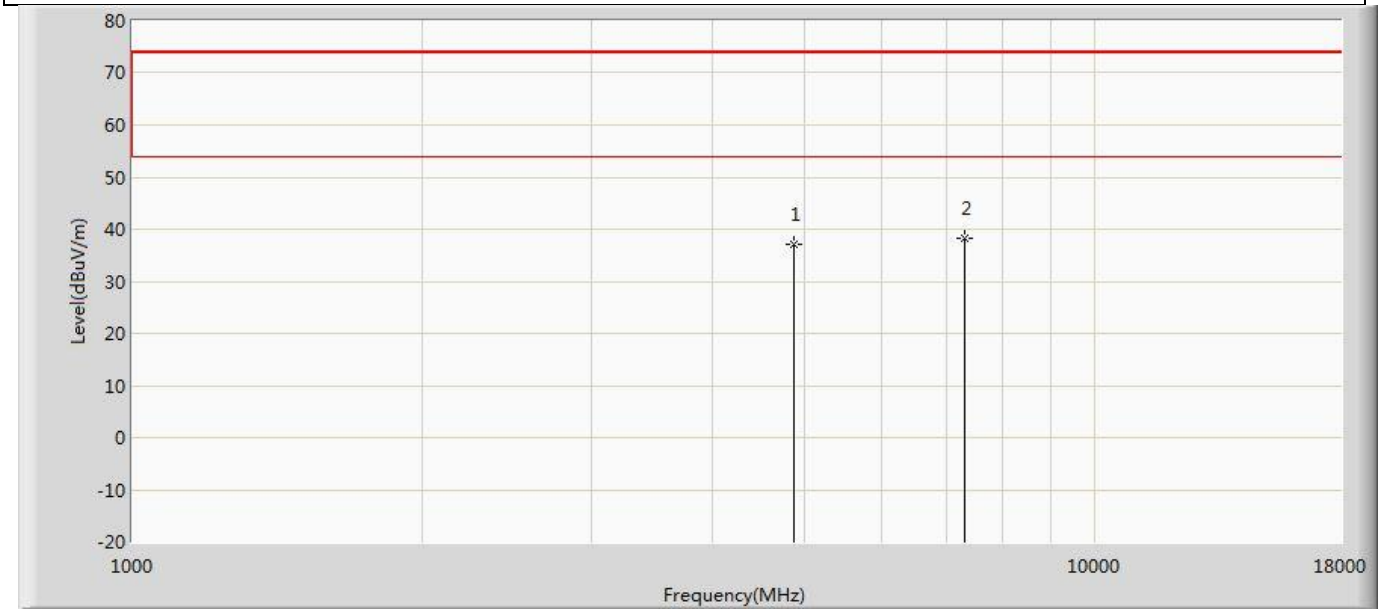
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4824.000	38.346	44.242	-35.654	74.000	-5.896	PK
2	*	7236.000	39.367	42.324	-34.633	74.000	-2.957	PK

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)	



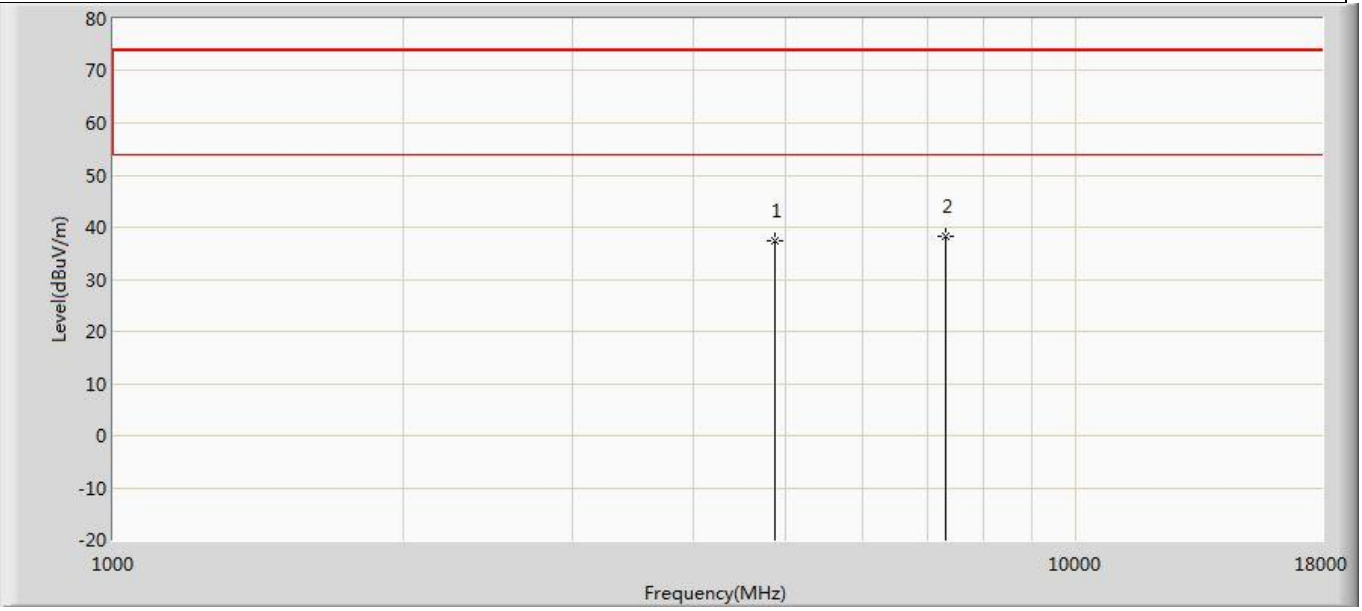
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4824.000	39.813	45.709	-34.187	74.000	-5.896	PK
2	*	7236.000	40.276	43.233	-33.724	74.000	-2.957	PK

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)	



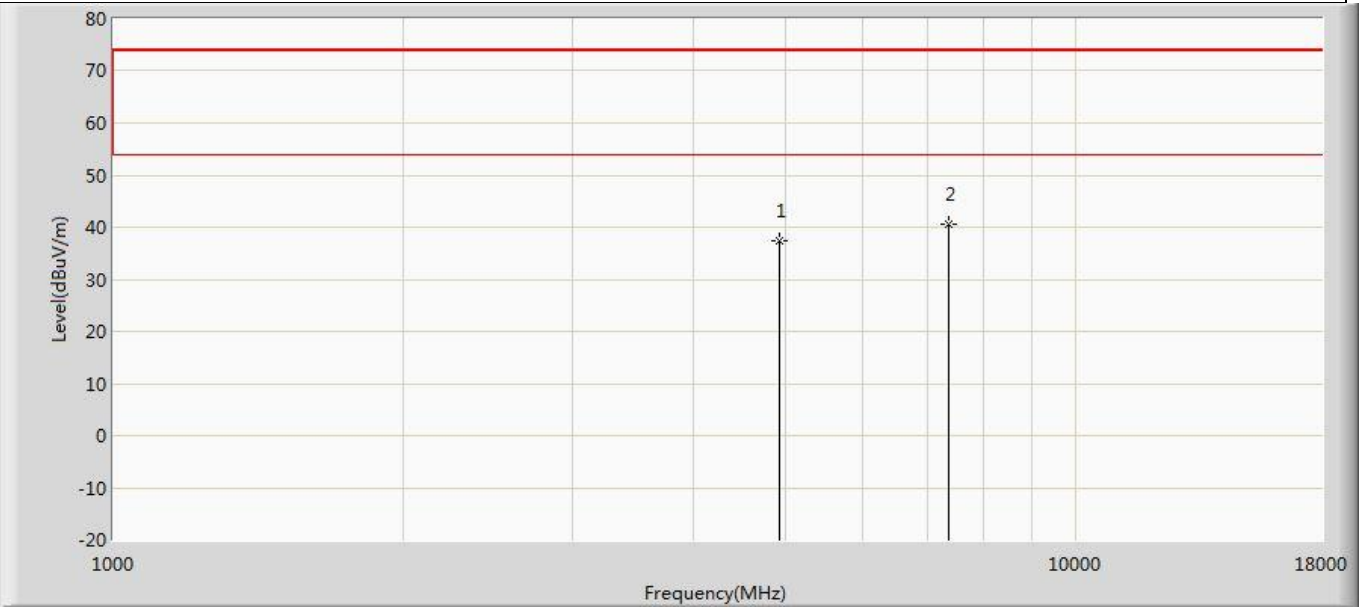
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4874.000	37.134	43.013	-36.866	74.000	-5.879	PK
2	*	7311.000	38.367	41.420	-35.633	74.000	-3.054	PK

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)	



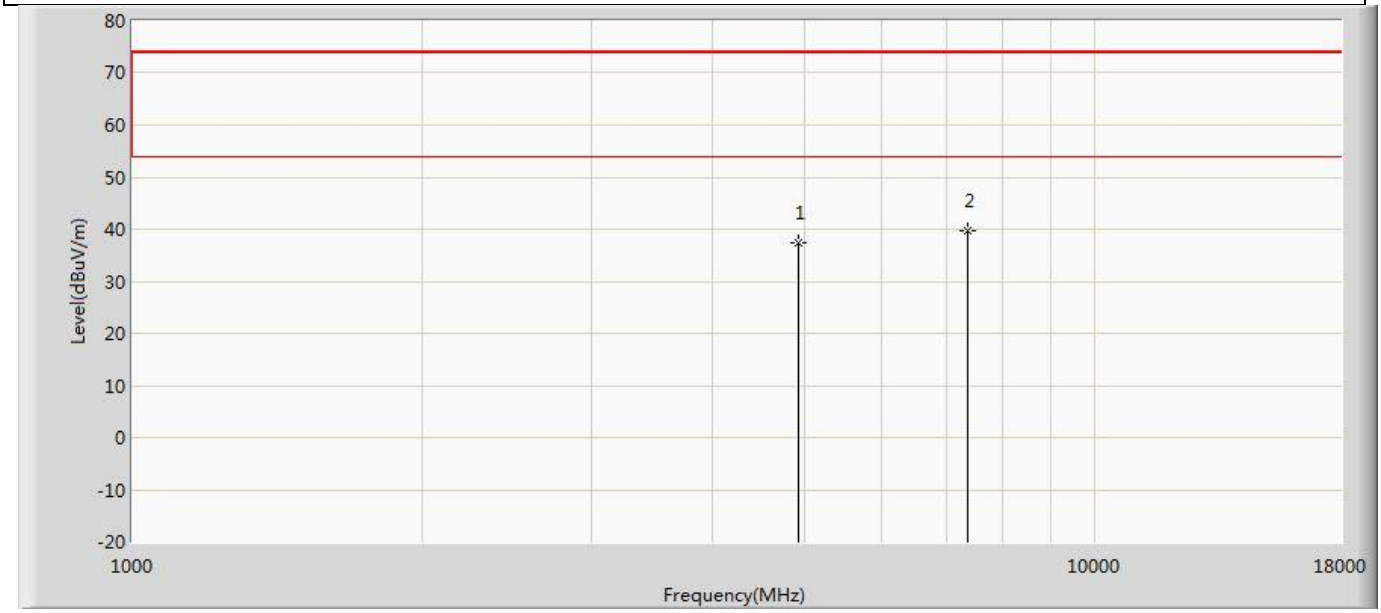
No	Mark	Frequency(MHz)	Measure Level(dBuV/m)	Reading Level(dBuV)	Over Limit(dB)	Limit(dBuV/m)	Factor(dB)	Type
1		4874.000	37.512	43.391	-36.488	74.000	-5.879	PK
2	*	7311.000	38.341	41.394	-35.659	74.000	-3.054	PK

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

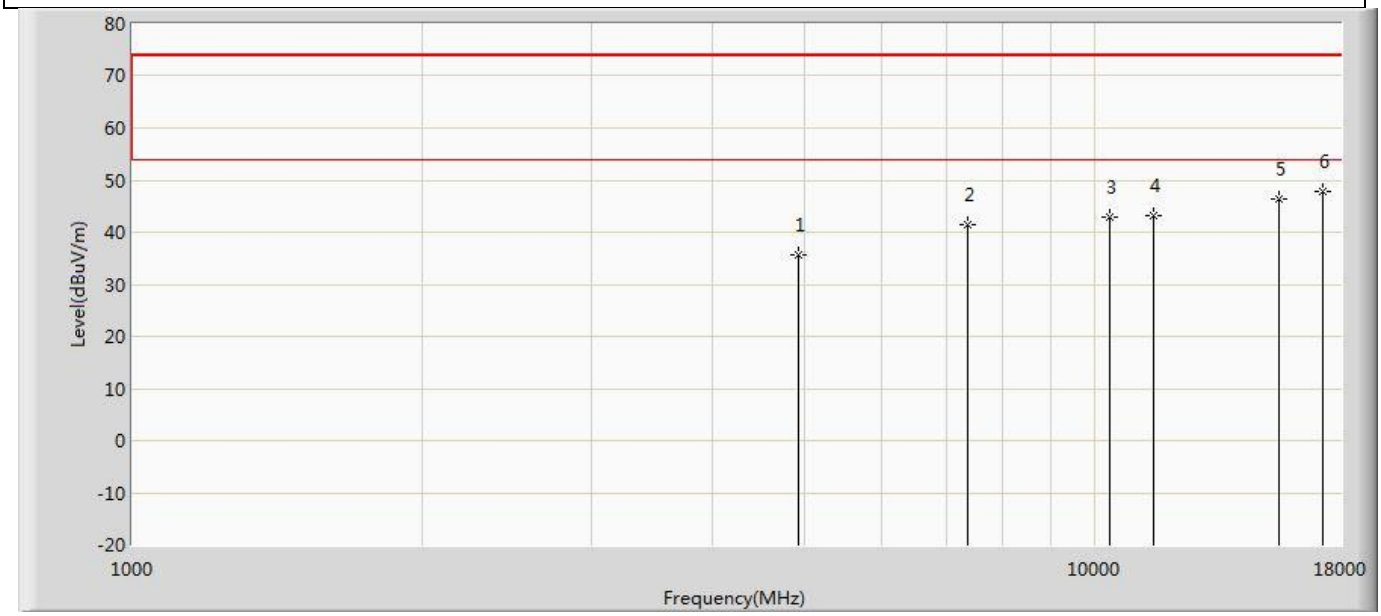
Profile: 20B0117R	Page No.: 24
Engineer: Neil	
Site: AC5	Time: 2021/01/19 - 19:39
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AP510CX	Power: PoE -48V
Note: Mode 2： Transmit at 2462MHz by 802.11ax(20MHz)	



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

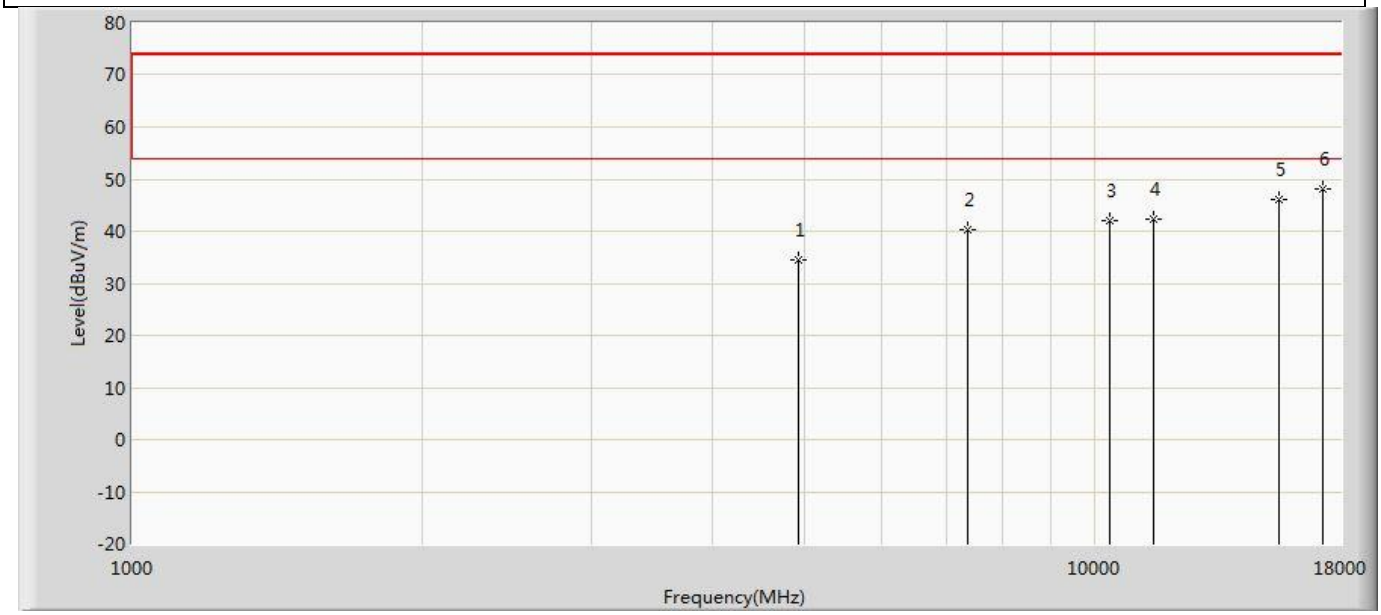
The worst case of simultaneous transmission:

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

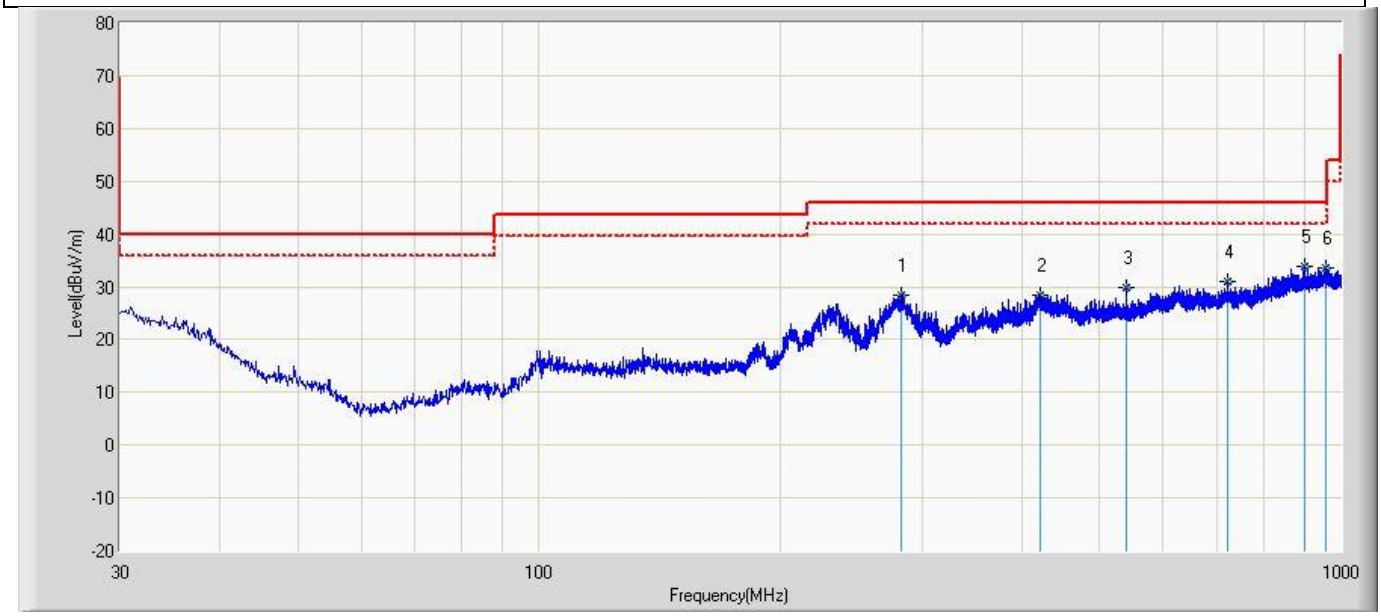
Profile: 20B0117R	Page No.: 4
Engineer: Neil	
Site: AC5	Time: 2021/01/24 - 17:51
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AP510CX	Power: PoE -48V
Note: Mode 5：Simultaneous transmission	



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

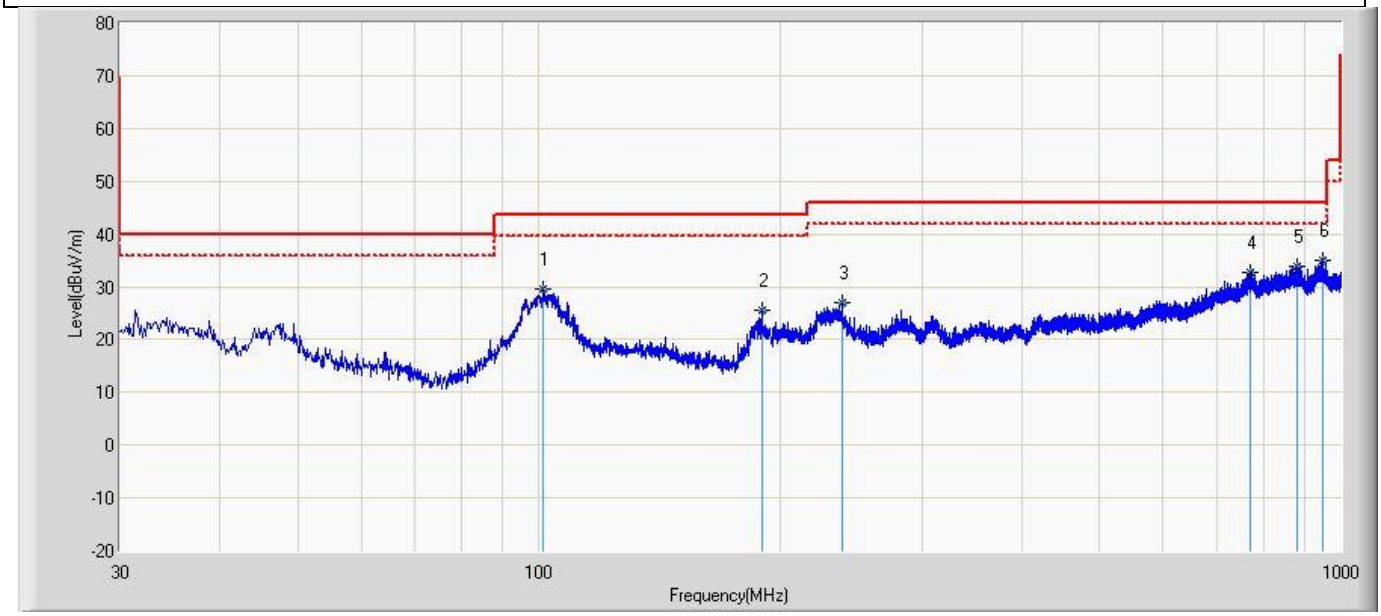
The worst case of Radiated Emission below 1GHz:

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

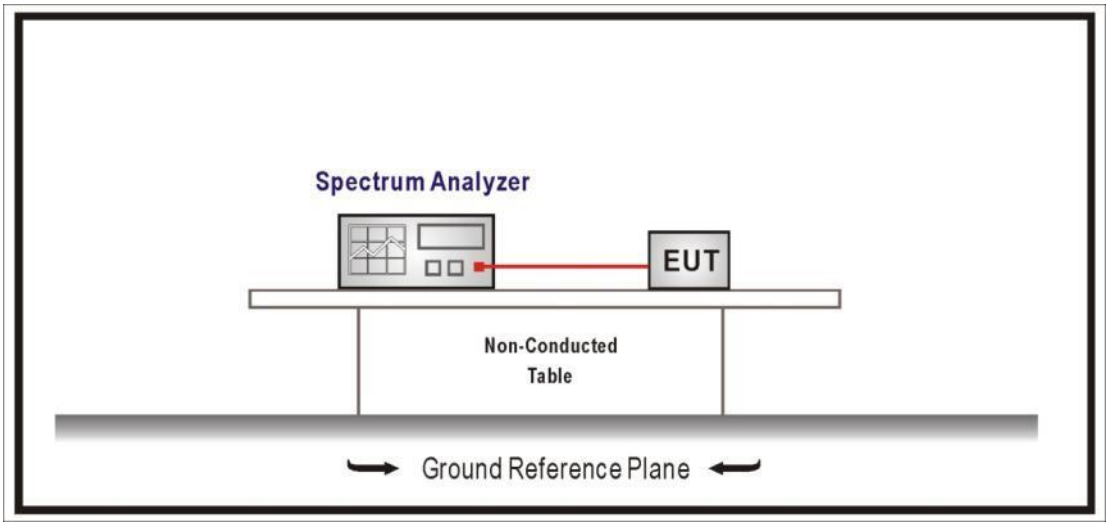
4.3.1 Limit

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
☒	ANSI C63.10		11.11	Emissions in non-restricted frequency bands
	☒	ANSI C63.10	11.11.1	General
	☒	ANSI C63.10	11.11.2	Reference level measurement
	☒	ANSI C63.10	11.11.3	Emission level measurement

4.3.4 Test Data

N/A

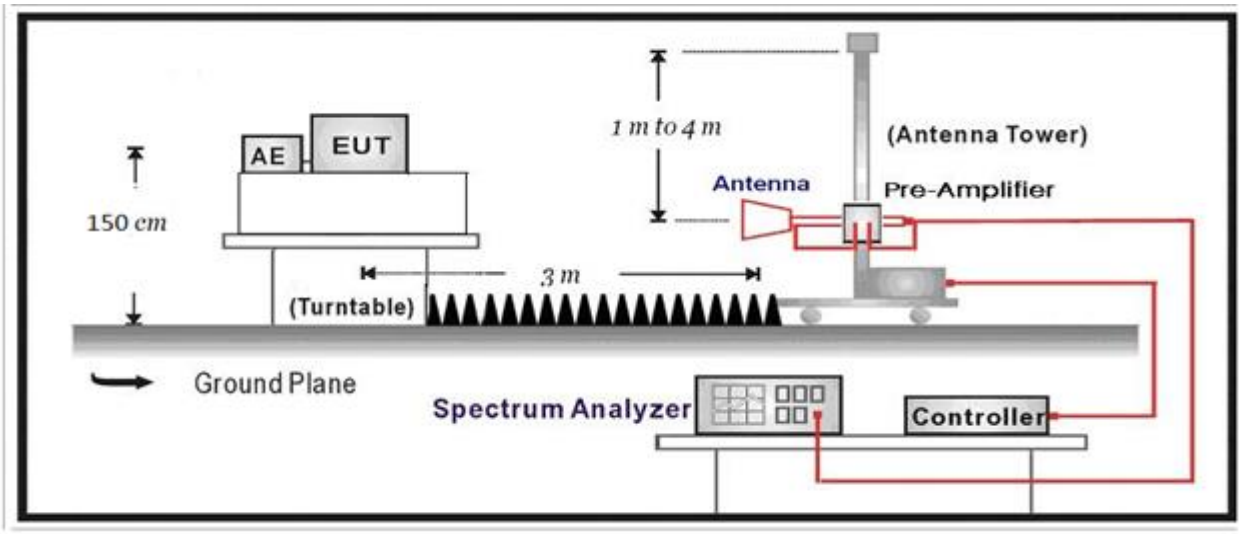
4.4 Radiated Emission Band Edge	VERDICT: PASS

4.4.1 Limit

Standard	FCC Part 15 Subpart C Paragraph 15.247(d) , 15.205, 15.209			
Frequency bands (MHz)	Detector	Limit (dBμV/m)	RBW (MHz)	Distance (m)
2310-2390 2483.5-2500	PK	74	1	3
	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
☒	ANSI C63.10	6.10	Band-edge testing
	☒ ANSI C63.10	6.10.5	Restricted-band band-edge measurements
	☐ ANSI C63.10	6.10.6	Marker-delta method
☒	ANSI C63.10	11.12	Emissions in restricted frequency bands
	☒ ANSI C63.10	11.12.1	Radiated emission measurements
	☒ ANSI C63.10	6.3	Radiated spurious emission test
☐	ANSI C63.10	6.4	Radiated emissions from unlicensed wireless devices below 30 MHz
☐	ANSI C63.10	6.5	Radiated emissions from unlicensed wireless devices in the frequency range of 30 MHz to 1000 MHz
☒	ANSI C63.10	6.6	Radiated emissions from unlicensed wireless devices above 1 GHz
	☐ ANSI C63.10	11.12.2	Antenna-port conducted measurements
	☐ ANSI C63.10	11.12.2.3	Quasi-peak measurement procedure
	☐ ANSI C63.10	11.12.2.4	Peak power measurement procedure
	☐ ANSI C63.10	11.12.2.5	Average power measurement procedures
	☐ ANSI C63.10	11.12.2.5.1	Trace averaging with continuous EUT transmission at full power
	☐ ANSI C63.10	11.12.2.5.2	Trace averaging across ON and OFF times of the EUT transmissions followed by duty cycle correction
	☐ ANSI C63.10	11.12.2.5.3	Reduced VBW averaging across ON and OFF times of the EUT transmissions with max hold

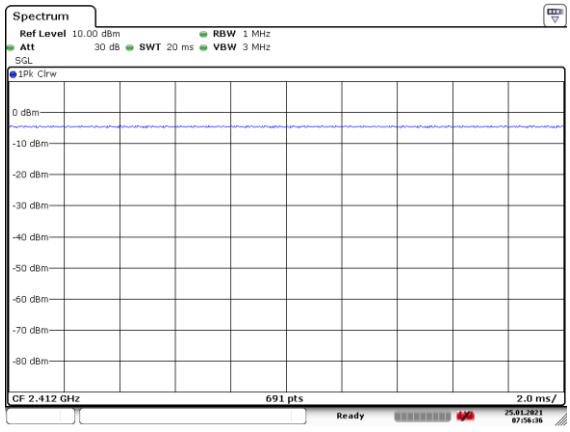
4.4.4 Test Data

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%

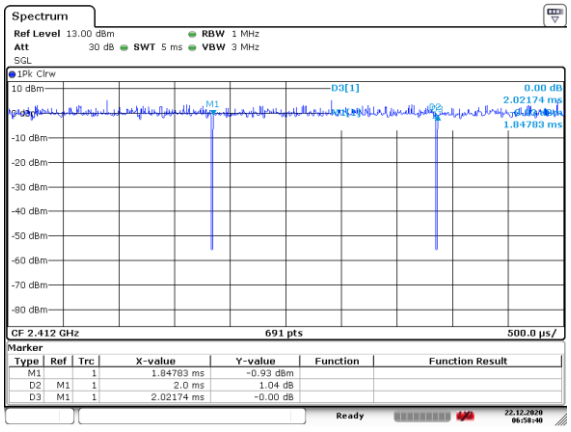
Note 1: T means the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.

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

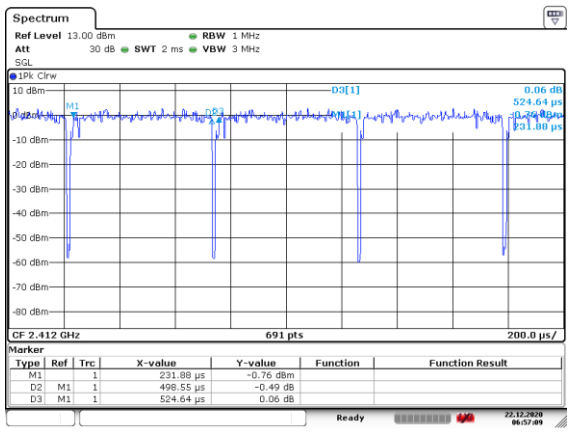
802.11b



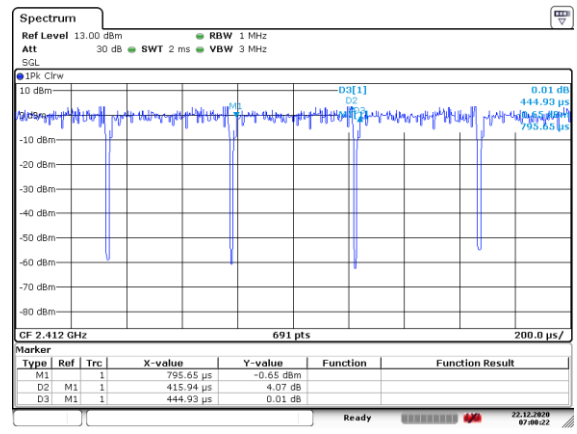
802.11g



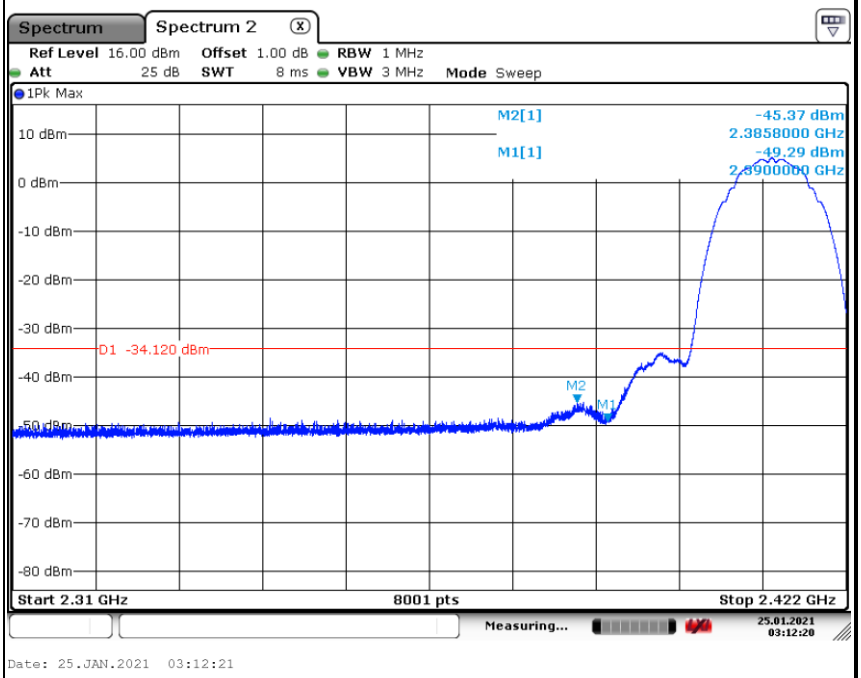
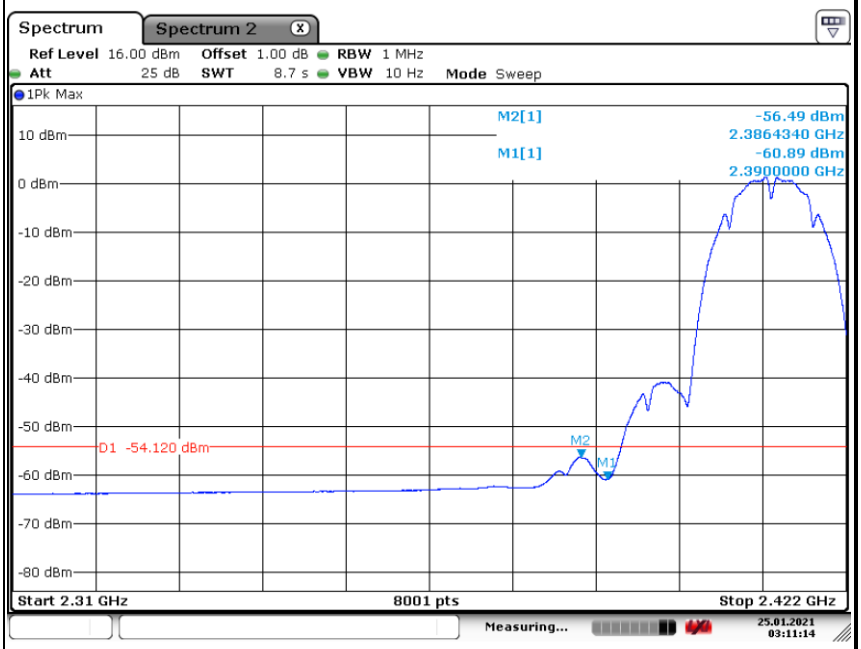
802.11n(20MHz)

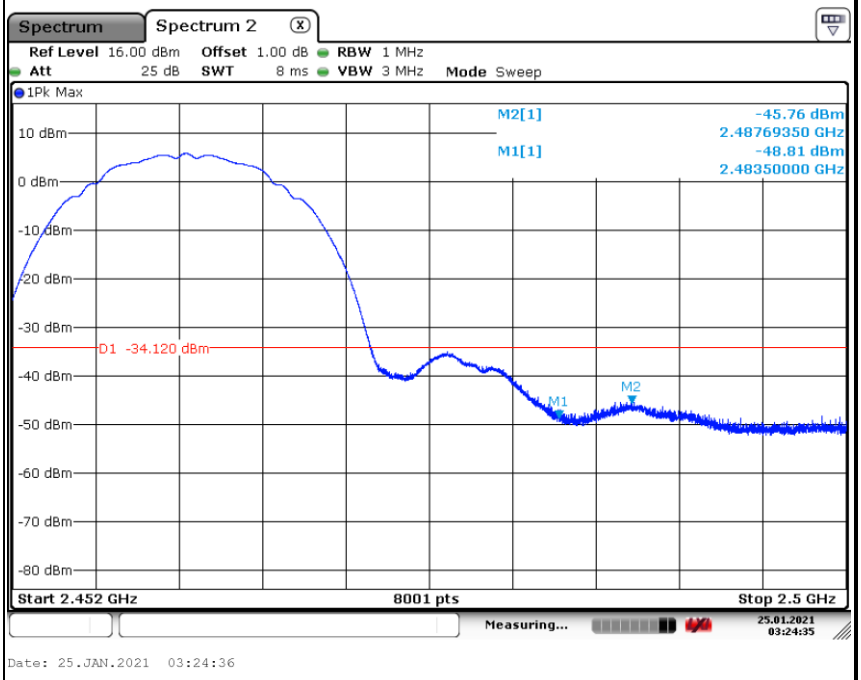
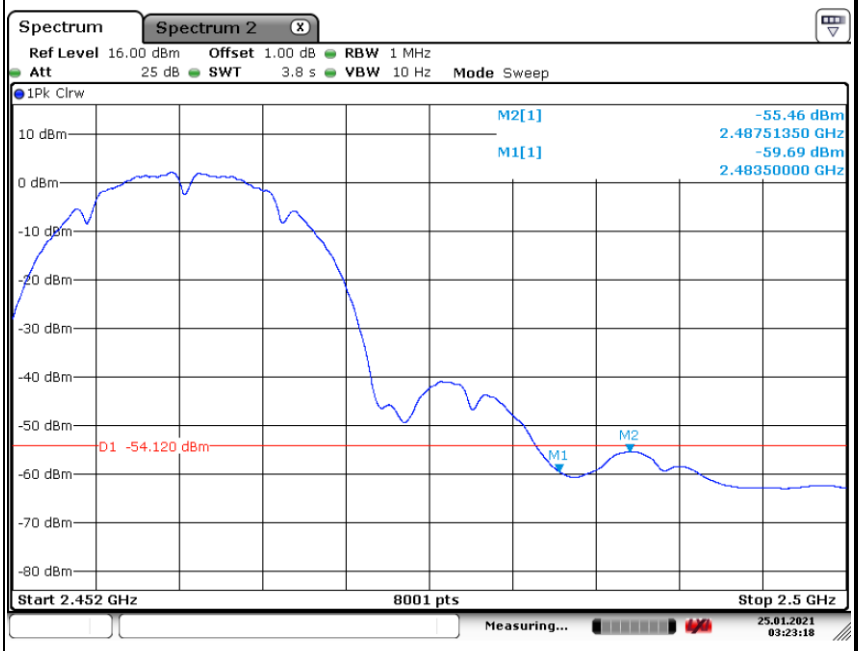


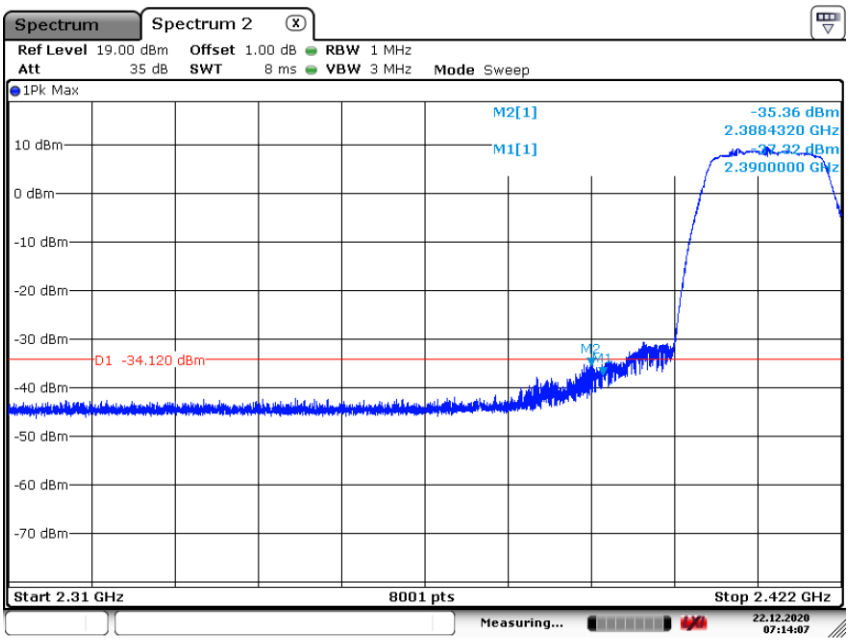
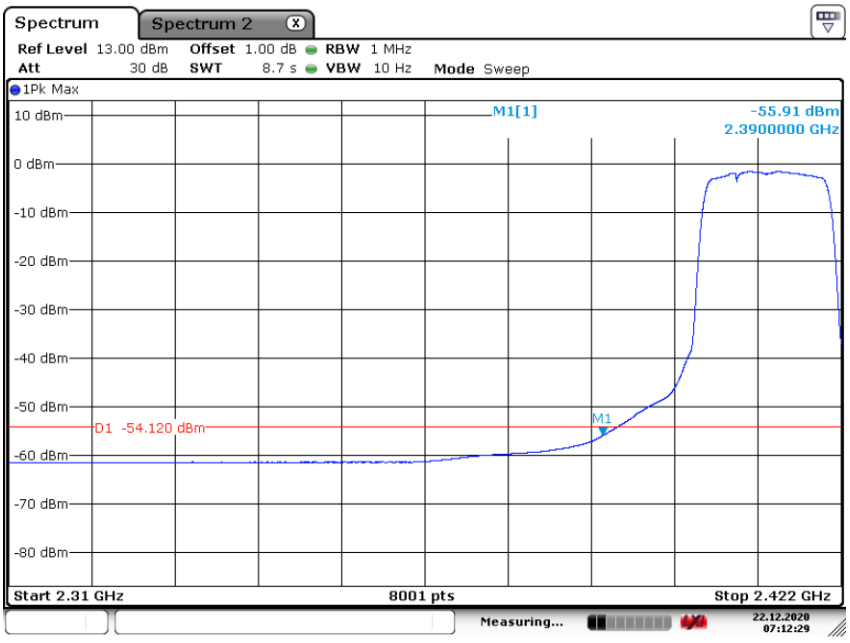
802.11ax(20MHz)

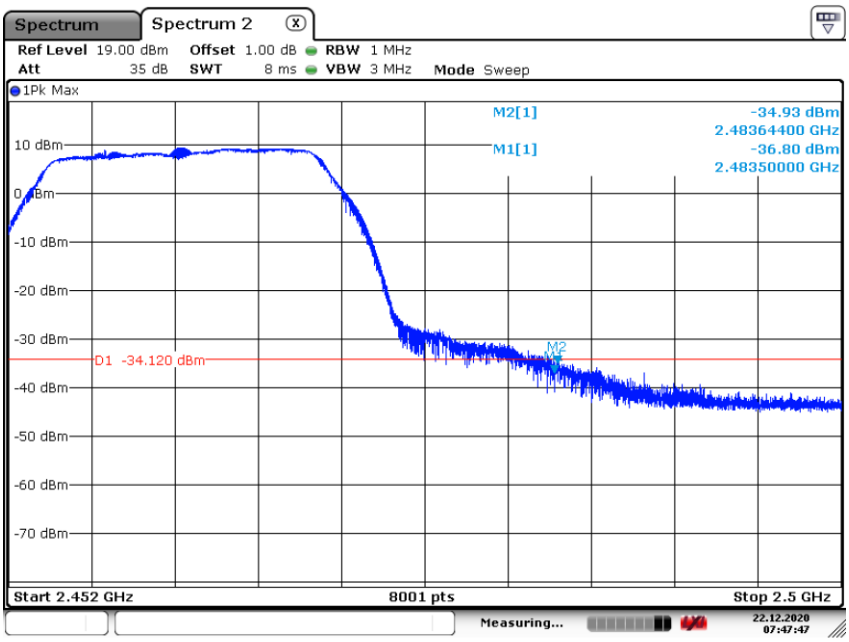
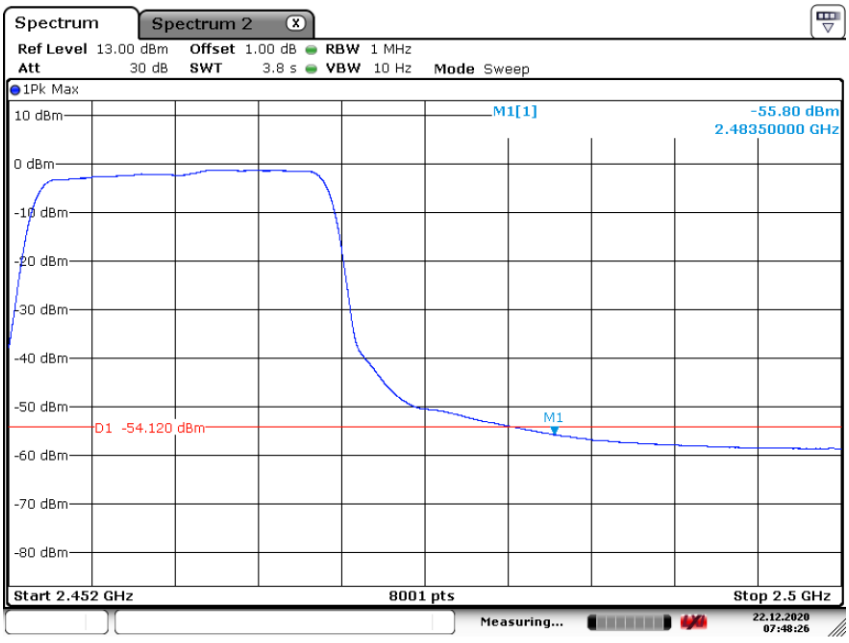


S

CDD 2TX			
Mode	Channel	Test Frequency (MHz)	Test Plot
1	1	2412	PK  Date: 25.JAN.2021 03:12:21 AV  Date: 25.JAN.2021 03:11:14

	11	2462	PK  Date: 25.JAN.2021 03:24:36 AV  Date: 25.JAN.2021 03:23:19

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

	11	2462	PK  Date: 22.DEC.2020 07:47:48 AV  Date: 22.DEC.2020 07:48:26