Test Report

FCC Part15 Subpart C

Product Name	:	300Mbps Wireless N Nano Router
Model No.	:	TL-WR802N
FCC ID	:	TE7WR802NV4

Applicant	:	TP-Link Technologies Co., Ltd..
Address	:	Building 24 (floors 1,3,4,5) and 28 (floors1-4) Central Science and Technology Park,Shennan Rd, Nanshan, Shenzhen,China

Date of Receipt	:	Feb. 24th, 2017
Test Date	:	Feb. 24th, 2017~ Apr. 12th, 2017
Issued Date	:	Apr. 21st, 2017
Report No.	:	1722110R-RF-US-P06V01
Report Version	:	V1.0

Test Report Certification

Issued Date : Apr. 21st, 2017
Report No. : 1722110R-RF-US-P06V01

Product Name	:	300Mbps Wireless N Nano Router
Applicant	:	TP-Link Technologies Co., Ltd..
Address	:	Building 24 (floors 1,3,4,5) and 28 (floors1-4) Central Science and Technology Park,Shennan Rd, Nanshan, Shenzhen,China
Manufacturer	:	TP-Link Technologies Co., Ltd..
Address	:	Building 24 (floors 1,3,4,5) and 28 (floors1-4) Central Science and Technology Park,Shennan Rd, Nanshan, Shenzhen,China
Model No.	:	TL-WR802N
FCC ID	:	TE7WR802NV4
EUT Voltage	:	AC 100-240V/50-60Hz
Test Voltage	:	AC 120V/60Hz
Brand Name	:	TP-Link
Applicable Standard	:	FCC CFR Title 47 Part 15 Subpart C ANSI C63.4:2014; ANSI C63.10:2013; KDB 558074 D01v04 KDB 662911 D01 Multiple Transmitter Output v02r01
Test Result	:	Complied
Performed Location	:	DEKRA Testing and Certification (Suzhou) Co., Ltd. Corporation No.99 Hongye Rd., Suzhou Industrial Park, Suzhou, 215006, Jiangsu, China TEL: +86-512-6251-5088 / FAX: +86-512-6251-5098 FCC Registration Number: 800392

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Reviewed By : Jack Zhang

(Senior Engineer: Jack Zhang)

Approved By : Harry Zhao

(Engineering Manager: Harry Zhao)

TABLE OF CONTENTS

History of This Test Report

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
1722110R-RF-US-P06V01	V1.0	Initial Issued Report	Apr. 21st, 2017

1. General Information

1.1. EUT Description

Product Name	300Mbps Wireless N Nano Router
Brand Name	TP-Link
Model No.	TL-WR802N
EUT Voltage	AC 100-240V/50-60Hz
Frequency Range	For 2.4GHz Band 802.11b/g/n(20MHz): 2412~2462MHz 802.11n(40MHz): 2422~2452MHz
Channel Number	For 2.4GHz Band 802.11b/g/n(20MHz): 11 802.11n(40MHz): 7
Type of Modulation	802.11b: DSSS
	802.11g: OFDM
Data Rate	802.11g: 6/9/12/18/24/36/48/54 Mbps
	802.11b: 1/2/5.5/11 Mbps
	802.11n: up to 300 Mbps
Channel Control	Auto

1.2. Working Frequency of Each Channel:

802.11b/g/n(20MHz) Working Frequency of Each Channel:							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
01	2412 MHz	02	2417 MHz	03	2422 MHz	04	2427 MHz
05	2432 MHz	06	2437 MHz	07	2442 MHz	08	2447 MHz
09	2452 MHz	10	2457 MHz	11	2462 MHz	N/A	N/A
802.11n(40MHz) Working Frequency of Each Channel:							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
03	2422 MHz	04	2427 MHz	05	2432 MHz	06	2437 MHz
07	2442 MHz	08	2447 MHz	09	2452 MHz	N/A	N/A

1.3. Antenna information

Model No.	N/A					
Antenna manufacturer	N/A					
Antenna Delivery	☐	1*TX+1*RX	☒	2*TX+2*RX	☐	3*TX+3*RX
Antenna technology	☐	SISO				
	☒	MIMO	☐	Basic		
			☒	CDD		
			☐	Sectorized		
			☐	Beam-forming		
Antenna Type	☐	External	☐	Dipole		
			☐	Sectorized		
	☒	Internal	☒	PIFA		
			☐	PCB		
			☐	Ceramic Chip Antenna		
			☐	Metal plate type F antenna		

Antenna Technology	Ant Gain (dBi)	Directional Gain (dBi)	
		For Power	For PSD
☒ CDD	Ant1:2.85 Ant2: 2.85	2.85	5.85

1.4. Mode of Operation

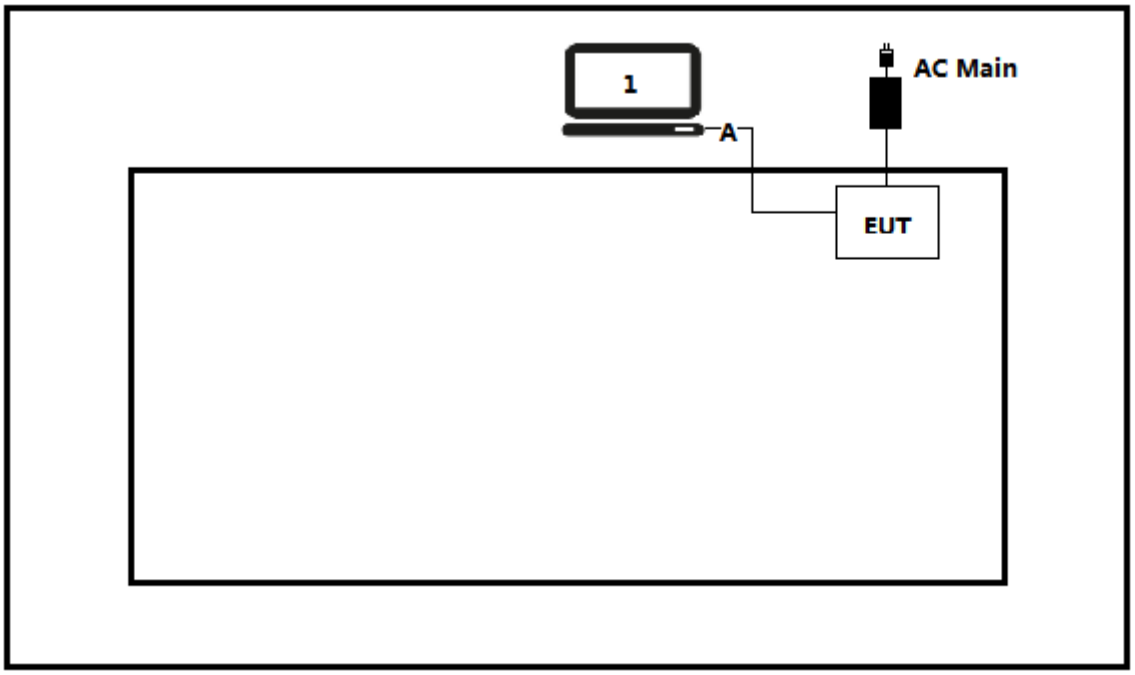
Test Modes List
Mode 1: Transmit by 802.11b
Mode 2: Transmit by 802.11g
Mode 3: Transmit by 802.11n(20MHz)
Mode 4: Transmit by 802.11n(40MHz)

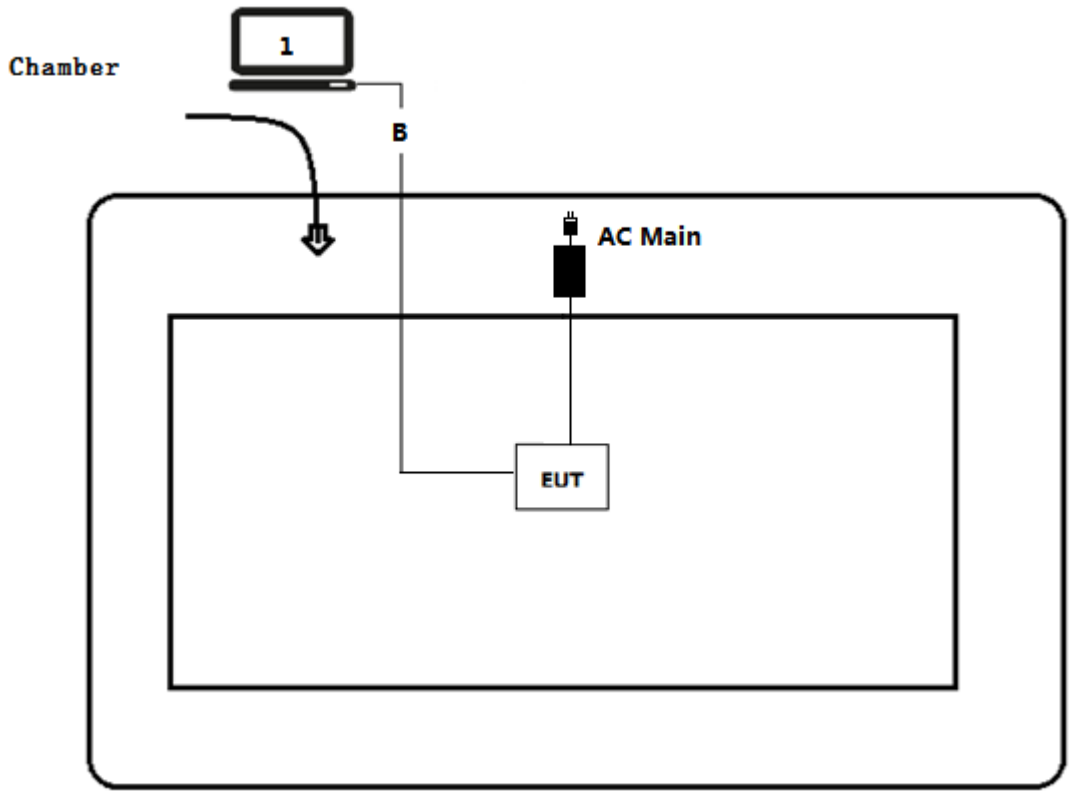
1.5. Tested System Details

The types for all equipments, plus descriptions of all cables used in the tested system (including inserted cards) are:

No.	Product	Manufacturer	Model No.	Serial No.	Power Cord
1	Notebook	Lenovo	Think pad x220	SUA0600195	Non-shielded
A	LAN cable	N/A	N/A	N/A	Non-shielded,1.5m
B	LAN cable	N/A	N/A	N/A	Non-shielded,10m

1.6. Configuration of Tested System

Test setup Diagram- AC Line Conducted Emission Test


Test setup Diagram- Radiated Emission


2. Technical Test

2.1. Summary of Test Result

Performed Test Item	Normative References	Limit	Result
AC Power Line Conducted Emission	FCC CFR Title 47 Part 15 Subpart C: 2015 Section 15.207	FCC 15.207	PASS
Emissions in restricted frequency bands	FCC CFR Title 47 Part 15 Subpart C: 2015 Section 15.209	FCC 15.209	PASS
Emissions in non-restricted frequency bands	FCC CFR Title 47 Part 15 Subpart C: 2015 Section 15.247(d)	≥30dBc	PASS
Radiated Emission Band Edge	FCC CFR Title 47 Part 15 Subpart C: 2015 15.247(d)	FCC 15.209	PASS
Occupied Bandwidth	FCC CFR Title 47 Part 15 Subpart C: 2015 Section 15.247(a)(2)	≥500kHz	PASS
Fundamental emission output power	FCC CFR Title 47 Part 15 Subpart C: 2015 Section 15.247(b)(3)	≤30dBm	PASS
Power Spectral Density	FCC CFR Title 47 Part 15 Subpart C: 2015 Section 15.247(e)	≤8dBm/3kHz	PASS
Antenna Requirement	FCC CFR Title 47 Part 15 Subpart C: 2015 Section 15.203	FCC 15.203	PASS

2.2. Test Frequency configuration:

Modulation Mode	Channel	Frequency	Channel	Frequency	Channel	Frequency
802.11b	01	2412 MHz	03	2422 MHz	06	2437MHz
	09	2452MHz	11	2462MHz		
802.11g	01	2412 MHz	03	2422 MHz	06	2437MHz
	09	2452MHz	11	2462MHz		
802.11n(20MHz)	01	2412 MHz	03	2422 MHz	06	2437MHz
	09	2452MHz	11	2462MHz		
802.11n(40MHz)	03	2422 MHz	04	2427 MHz	06	2437MHz
	08	2447MHz	09	2452MHz		

2.3. Power setting parameter

Test Software	QA Tool			
Modulation Mode	Test Frequency	Ant 1	Ant 2	Ant 1+2
802.11b	2412	--	--	1F
	2422	--	--	21
	2437	--	--	21
	2457	--	--	20
	2462	--	--	20
802.11g	2412	--	--	17
	2422	--	--	22
	2437	--	--	22
	2457	--	--	22
	2462	--	--	17
802.11n(20MHz)	2412	--	--	15
	2422	--	--	22
	2437	--	--	22
	2457	--	--	22
	2462	--	--	16
802.11n(40MHz)	2422	--	--	0F
	2427	--	--	11
	2437	--	--	19
	2447	--	--	13
	2452	--	--	12

2.4. Power vs Data Rate

MCS Index for 802.11n	Spatial Streams	Data Rate (Mbps)						
		802.11b	802.11g		20MHz Bandwidth		40MHz Bandwidth	
					800ns GI	400ns GI	800ns GI	400ns GI
0	1	1	6	---	6.5	7.2	13.5	15.0
1	1	2	9	---	13.0	14.4	27.0	30.0
2	1	5.5	12	---	19.5	21.7	40.5	45.0
3	1	11	18	---	26.0	28.9	54.0	60.0
4	1	---	24	---	39.0	43.3	81.0	90.0
5	1	---	36	---	52.0	57.8	108.0	120.0
6	1	---	48	---	58.5	65.0	121.5	135.0
7	1	---	54	---	65.0	72.2	135.0	150.0
8	2	---	---	---	13.0	14.4	27.0	30.0
9	2	---	---	---	26.0	28.9	54.0	60.0
10	2	---	---	---	39.0	43.3	81.0	90.0
11	2	---	---	---	52.0	57.8	108.0	120.0
12	2	---	---	---	78.0	86.7	162.0	180.0
13	2	---	---	---	104.0	115.6	216.0	240.0
14	2	---	---	---	117.0	130.0	243.0	270.0
15	2	---	---	---	130.0	144.0	270.0	300.0

Note 1 : The blue form is the maximum power data rate

Note 2 : The EUT has two spatial Streams

2.5. Test Environment

Items	Required (IEC 68-1)	Actual
Temperature (°C)	15-35	21
Humidity (%RH)	25-75	50
Barometric pressure (mbar)	860-1060	950-1000

2.6. Measurement Uncertainty

Test Items	Uncertainty
AC Power Line Conducted Emission	±2.02dB
Radiated Emission	Below 1GHz ±3.8 dB
	Above 1GHz ±3.9 dB
RF Antenna Port Conducted Emission	±1.27dB
Radiated Emission Band Edge	±3.9dB
Occupied Bandwidth	±1kHz
Power Spectral Density	±1.27dB

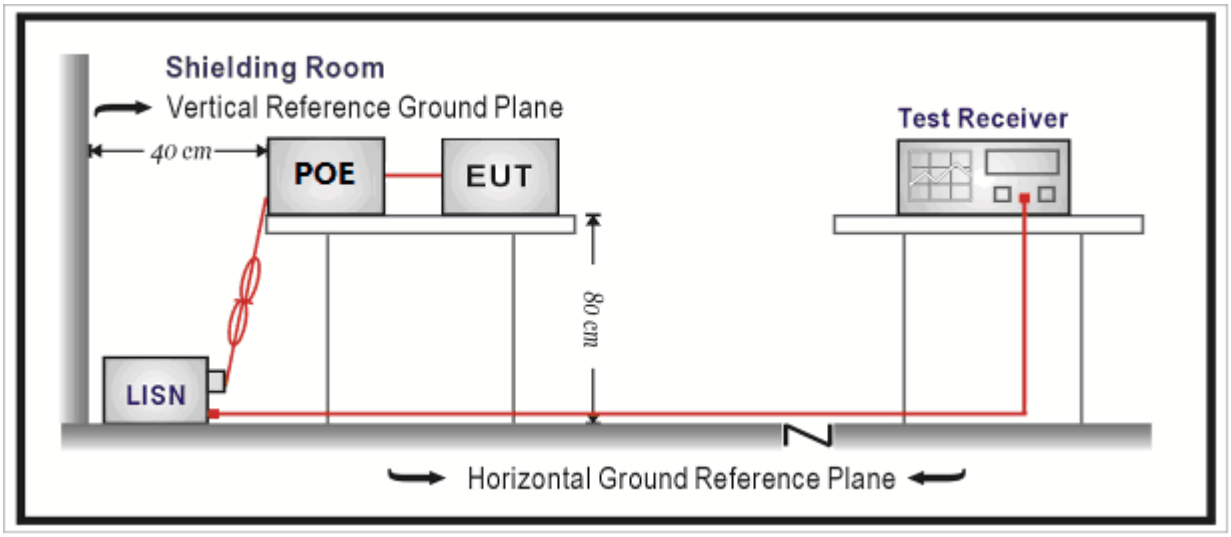
3. AC Power Line Conducted Emission

3.1. Test Equipment

AC Power Line Conducted Emission / TR-1					
Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Cal. Due Date
EMI Test Receiver	R&S	ESCI	100726	2017.03.29	2018.03.28
Two-Line V-Network	R&S	ENV216	100043	2017.03.29	2018.03.28
Two-Line V-Network	R&S	ENV216	100044	2016.09.17	2017.09.16
50ohm Coaxial Switch	Anritsu	MP59B	6200464462	2017.03.02	2018.03.01
50ohm Termination	SHX	TF2	07081401	2016.09.17	2017.09.16
Temperature/Humidity Meter	zhichen	ZC1-2	TR1-TH	2017.01.04	2018.01.03
Note: All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.					

3.2. Test Setup

AC Power Line Conducted Emission test setup



3.3. Limit

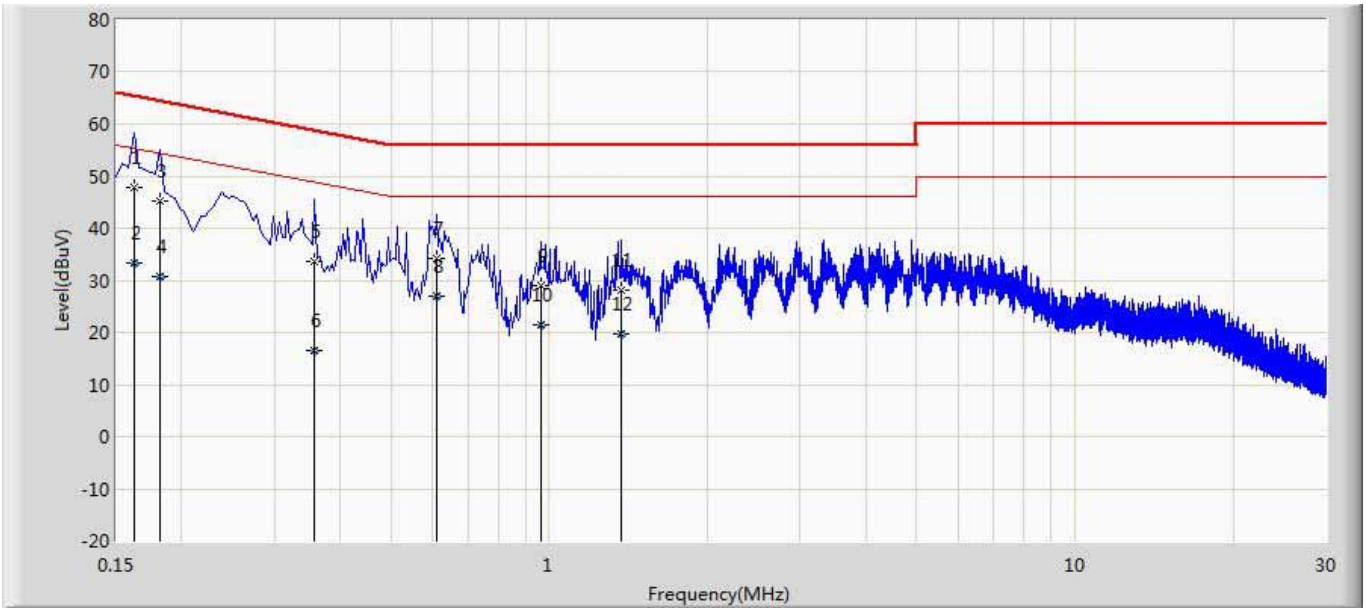
Frequency of Emission (MHz)	Conducted Limit	
	Quasi-peak (dB μ V)	Average(dB μ V)
0.15-0.5	66 to 56	56 to 46
0.5-5	56	46
5-30	60	50
Note 1: The lower limit shall apply at the transition frequencies. Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.		

3.4. Test Procedure

Test Method			
	References Rule	Chapter	Item
☒	ANSI C63.10-2013	6.2	Standard test method for ac power-line conducted emissions from unlicensed wireless devices
☒	ANSI C63.4-2014	7	AC power-line conducted emission measurements

3.5. Test Result

Site: TR1	Time: 2017/03/02
Limit: FCC_Part15.107_CE_AC Power_ClassB	Margin: 0
Probe: ENV216-L1	Polarity: Line
EUT: 300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 1	

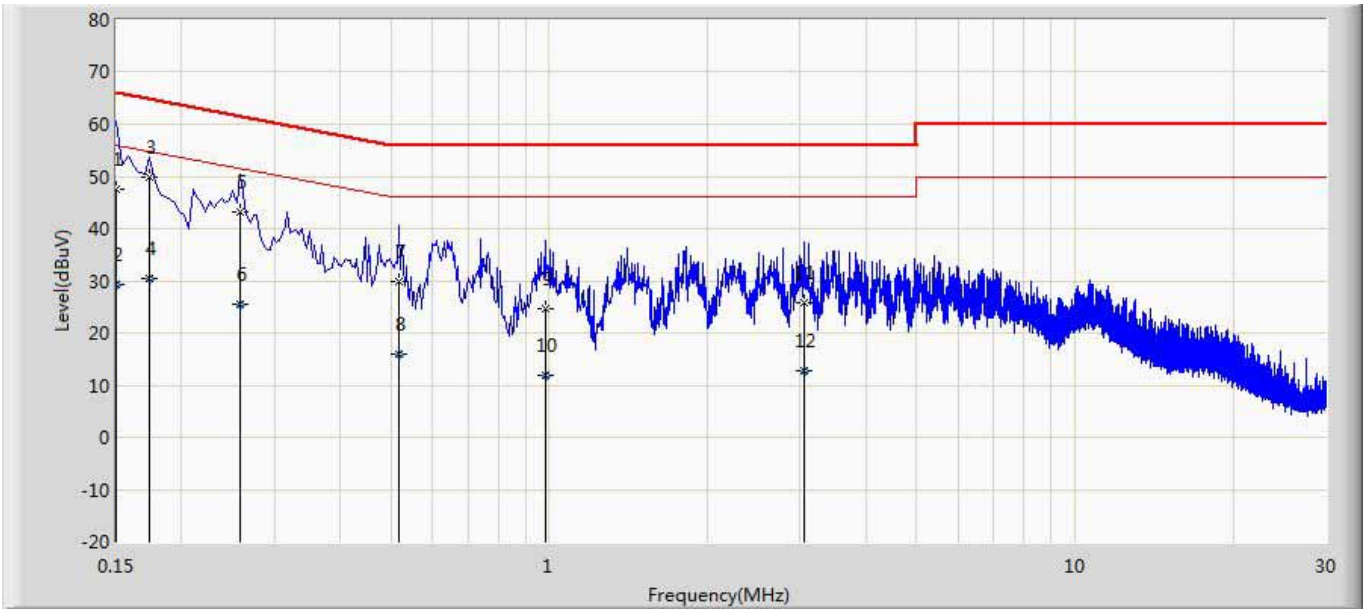


No	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Probe (dB)	Cable (dB)	Amp (dB)	Type
1	*	0.162	47.745	38.017	-17.616	65.361	9.668	0.060	0.000	QP
2		0.162	33.289	23.561	-22.072	55.361	9.668	0.060	0.000	AV
3		0.182	45.111	35.396	-19.283	64.394	9.655	0.060	0.000	QP
4		0.182	30.680	20.965	-23.714	54.394	9.655	0.060	0.000	AV
5		0.358	33.503	23.803	-25.272	58.775	9.640	0.060	0.000	QP
6		0.358	16.552	6.852	-32.223	48.775	9.640	0.060	0.000	AV
7		0.610	34.250	24.560	-21.750	56.000	9.620	0.070	0.000	QP
8		0.610	27.042	17.352	-18.958	46.000	9.620	0.070	0.000	AV
9		0.962	29.067	19.357	-26.933	56.000	9.630	0.080	0.000	QP
10		0.962	21.383	11.673	-24.617	46.000	9.630	0.080	0.000	AV
11		1.374	28.053	18.333	-27.947	56.000	9.630	0.090	0.000	QP
12		1.374	19.707	9.987	-26.293	46.000	9.630	0.090	0.000	AV

Note:

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

Site: TR1	Time: 2017/03/02
Limit: FCC_Part15.107_CE_AC Power_ClassB	Margin: 0
Probe: ENV216-N	Polarity: Neutral
EUT: 300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 1	



No	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Probe (dB)	Cable (dB)	Amp (dB)	Type
1		0.150	47.468	37.732	-18.532	66.000	9.676	0.060	0.000	QP
2		0.150	29.311	19.575	-26.689	56.000	9.676	0.060	0.000	AV
3	*	0.174	49.817	40.092	-14.950	64.767	9.665	0.060	0.000	QP
4		0.174	30.352	20.627	-24.415	54.767	9.665	0.060	0.000	AV
5		0.258	43.319	33.602	-18.177	61.496	9.657	0.060	0.000	QP
6		0.258	25.398	15.681	-26.098	51.496	9.657	0.060	0.000	AV
7		0.518	29.848	20.148	-26.152	56.000	9.630	0.070	0.000	QP
8		0.518	15.940	6.240	-30.060	46.000	9.630	0.070	0.000	AV
9		0.982	24.707	14.997	-31.293	56.000	9.630	0.080	0.000	QP
10		0.982	12.005	2.295	-33.995	46.000	9.630	0.080	0.000	AV
11		3.050	25.841	16.071	-30.159	56.000	9.650	0.120	0.000	QP
12		3.050	12.829	3.059	-33.171	46.000	9.650	0.120	0.000	AV

Note:

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

4. Emissions in restricted frequency bands

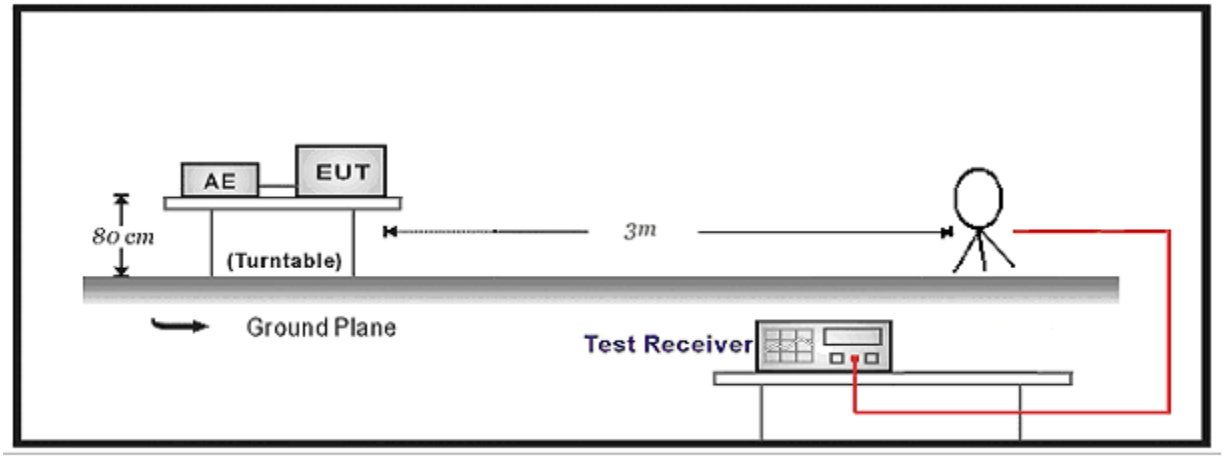
4.1. Test Equipment

Radiated Emission(Below 1GHz) / AC-2					
Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Cal. Due Date
EMI Test Receiver	R&S	ESCI	100573	2017.03.29	2018.03.28
Loop Antenna	R&S	HFH2-Z2	833799/003	2016.11.16	2017.11.15
Bilog Antenna	Teseq GmbH	CBL6112D	27611	2016.10.16	2017.10.15
Coaxial Cable	Huber+Suhner	SUCOFLEX 106	AC2-C	2017.03.02	2018.03.01
Temperature/Humidity Meter	Zhichen	ZC1-2	AC2-TH	2017.01.04	2018.01.03
Note: All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.					

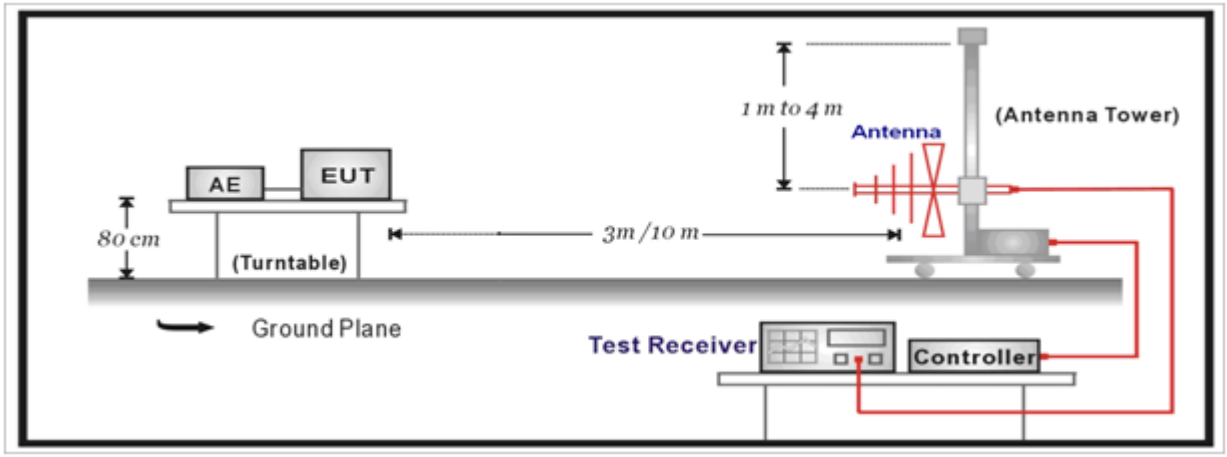
Radiated Emission(Above 1GHz) / AC-5					
Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Cal. Due Date
Spectrum Analyzer	Agilent	E4446A	MY45300103	2017.01.04	2018.01.03
Preamplifier	Miteq	NSP1800-25	1364185	2016.05.06	2017.05.05
Preamplifier	QuieTek	AP-040G	CHM-0906001	2016.05.06	2017.05.05
DRG Horn	ETS-Lindgren	3117	00123988	2017.01.22	2018.01.21
Broad-Band Horn Antenna	Schwarzbeck	BBHA9170	294	2016.11.25	2017.11.24
Coaxial Cable	Huber+Suhner	SUCOFLEX 106	AC5-C1	2017.03.02	2018.03.01
Coaxial Cable	Huber+Suhner	SUCOFLEX 106	AC5-C2	2017.03.02	2018.03.01
Coaxial Cable	Huber+Suhner	SUCOFLEX 102	AC5-C3	2017.03.02	2018.03.01
EMI Receiver	Agilent	N9038A	MY51210196	2016.06.10	2017.06.09
Temperature/Humidity Meter	Zhichen	ZC1-2	AC5-TH	2017.01.04	2018.01.03
Note: All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.					

4.2. Test Setup

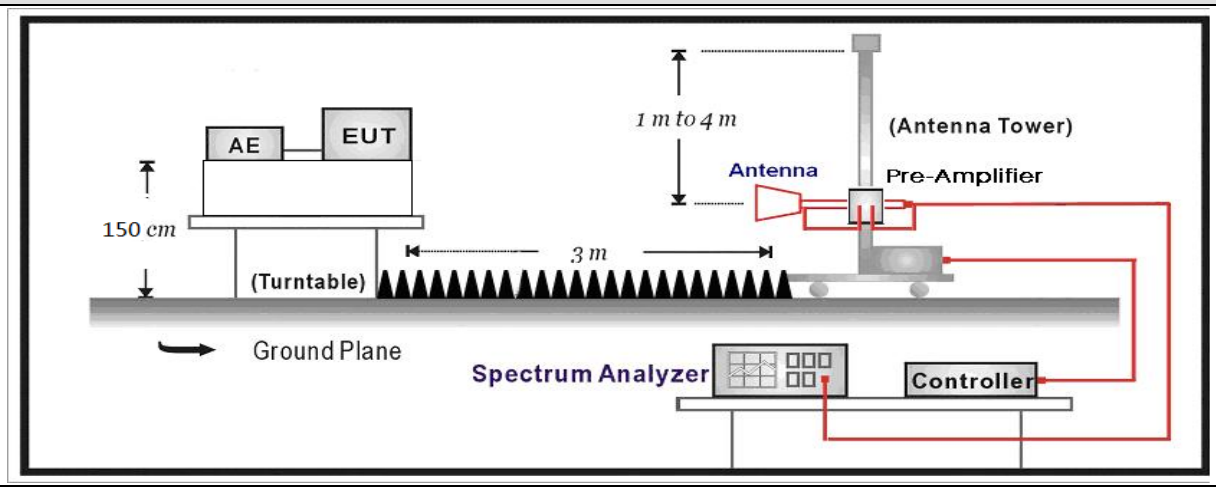
Below 30MHz Test Setup:



30MHz-1GHz Test Setup:



Above 1GHz Test Setup:



4.3. Limit

Restricted Bands of operation			
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	
13.36 – 13.41			

Restricted Band Emissions Limit			
Frequency (MHz)	Field strength (μ V/m)	Field strength (dB μ V/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)

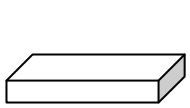
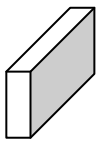
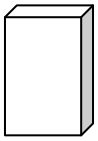
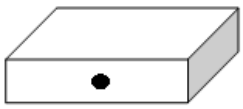
Note 1: At frequencies below 30 MHz, measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field. Pending the development of an appropriate measurement procedure for measurements performed 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).

4.4. Test Procedure

Test Method						
	References Rule				Chapter	Description
☐	ANSI C63.10				11.11	Emissions in non-restricted frequency bands
	☐	ANSI C63.10			11.11.2	Reference level measurement
	☐	ANSI C63.10			11.11.3	Emission level measurement
☒	ANSI C63.10				11.12	Emissions in restricted frequency bands
	☒	ANSI C63.10			11.12.1	Radiated emission measurements
	☒	ANSI C63.10			11.12.2.7	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

4.5. EUT test Axis definition

<table>
<tr><th>Item</th><th colspan="4">Emissions in restricted frequency bands</th></tr>
<tr><td rowspan="3">Device Category</td><td>☐</td><td colspan="3">Fixed point-to-point</td></tr>
<tr><td>☐</td><td colspan="3">Emit multiple directional beams, simultaneously or sequentially</td></tr>
<tr><td>☒</td><td colspan="3">Other cases</td></tr>
<tr><td>Test mode</td><td colspan="4">Mode 1~4</td></tr>
<tr><td rowspan="11">Test method</td><td>☒</td><td colspan="3">Radiated</td></tr>
<tr><td rowspan="3"></td><td>X Axis</td><td>Y Axis</td><td>Z Axis</td></tr>
<tr><td>  </td><td>  </td><td>  </td></tr>
<tr><td>Worst Axis ☒</td><td>Worst Axis ☐</td><td>Worst Axis ☐</td></tr>
<tr><td>☐</td><td colspan="3">Conducted</td></tr>
<tr><td>☐</td><td colspan="3">Chain 1</td></tr>
<tr><td></td><td colspan="3">  </td></tr>
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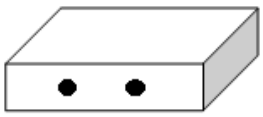
<tr><td></td><td colspan="3">  </td></tr>
<tr><td>☐</td><td>Chain 1</td><td>Chain 2</td><td>Chain 3</td></tr>
<tr><td></td><td colspan="3">  </td></tr>
</table>

4.6. Test Result

Product Name	:	300Mbps Wireless N Nano Router	Power	:	AC 120V/60Hz
Test Mode	:	Mode 1	Test Site	:	AC-5
Test Date	:	2017.03.04			

Chain	CH	Antenna Polarity	Frequency (MHz)	Reading Level (dB μV)	Factor (dB)	Measured Level (dB μV/m)	Limit (dB μV/m)	Over Limit (dB)	Detector
Ant 1+2	1	H	4825.000	44.356	6.005	50.361	54(note3)	-3.639	PK
		H	7236.000	36.926	10.228	47.155	54(note3)	-6.845	PK
		H	9648.000	36.030	12.356	48.385	54(note3)	-5.615	PK
		V	4825.000	43.870	6.005	49.875	54(note3)	-4.125	PK
		V	7236.000	36.878	10.228	47.107	54(note3)	-6.893	PK
		V	9648.000	35.948	12.356	48.303	54(note3)	-5.697	PK
	6	H	4876.000	42.561	6.390	48.951	54(note3)	-5.049	PK
		H	7311.000	36.868	9.956	46.824	54(note3)	-7.176	PK
		H	9746.500	42.431	12.404	54.835	74	-19.165	PK
		H	9748.000	40.688	12.353	53.041	54	-0.959	AV
		V	4876.000	43.566	6.390	49.956	54(note3)	-4.044	PK
		V	7311.000	37.659	9.956	47.615	54(note3)	-6.385	PK
		V	9746.000	41.067	12.420	53.488	54	-0.512	AV
		V	9746.500	43.847	12.404	56.251	74	-17.749	PK
	11	H	4924.000	38.915	6.379	45.295	54(note3)	-8.705	PK
		H	7386.000	35.796	9.833	45.629	54(note3)	-8.371	PK
		H	9848.000	36.242	12.853	49.095	54(note3)	-4.905	PK
		V	4924.000	40.148	6.379	46.528	54(note3)	-7.472	PK
		V	7386.000	36.305	9.833	46.138	54(note3)	-7.862	PK
		V	9848.500	38.901	12.871	51.772	54(note3)	-2.228	PK

Note: 1. Measure Level = Reading Level + Factor.

Note: 2. The test frequency range, 9kHz~30MHz, 18GHz~25GHz, both of the worst case are at least 20dB below the limits, therefore no data appear in the report.

Note: 3. This limit applies for using average detector, if the test result on peak is lower than average limit, then average measurement needn't be performed.

Note: 4. The VBW setting, see Clause 6.6.

Product Name	:	300Mbps Wireless N Nano Router	Power	:	AC 120V/60Hz
Test Site	:	Mode 2	Test Site	:	AC-5
Test Date	:	2017.03.04			

Chain	CH	Antenna Polarity	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measured Level (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Detector
Ant 1+2	1	H	4824.000	39.182	6.011	45.193	54(note3)	-8.807	PK
		H	7236.000	37.520	10.228	47.749	54(note3)	-6.251	PK
		H	9648.000	34.862	12.356	47.217	54(note3)	-6.783	PK
		V	4824.000	39.599	6.011	45.610	54(note3)	-8.390	PK
		V	7236.000	36.777	10.228	47.006	54(note3)	-6.994	PK
		V	9648.000	35.655	12.356	48.010	54(note3)	-5.990	PK
	6	H	4874.000	39.335	6.354	45.689	54(note3)	-8.311	PK
		H	7311.000	36.464	9.956	46.420	54(note3)	-7.580	PK
		H	9748.000	36.193	12.353	48.546	54(note3)	-5.454	PK
		V	4874.000	40.379	6.354	46.733	54(note3)	-7.267	PK
		V	7311.000	38.168	9.956	48.124	54(note3)	-5.876	PK
		V	9746.500	41.409	12.404	53.813	54(note3)	-0.187	PK
	11	H	4924.000	38.241	6.379	44.621	54(note3)	-9.379	PK
		H	7386.000	35.986	9.833	45.819	54(note3)	-8.181	PK
		H	9848.000	33.333	12.853	46.186	54(note3)	-7.814	PK
		V	4924.000	39.056	6.379	45.436	54(note3)	-8.564	PK
		V	7386.000	35.439	9.833	45.272	54(note3)	-8.728	PK
		V	9848.000	35.006	12.853	47.859	54(note3)	-6.141	PK

Note: 1. Measure Level = Reading Level + Factor.

Note: 2. The test frequency range, 9kHz~30MHz, 18GHz~25GHz, both of the worst case are at least 20dB below the limits, therefore no data appear in the report.

Note: 3. This limit applies for using average detector, if the test result on peak is lower than average limit, then average measurement needn't be performed.

Note: 4. The VBW setting, see Clause 6.6.

Product Name	:	300Mbps Wireless N Nano Router	Power	:	AC 120V/60Hz
Test Site	:	Mode 3	Test Site	:	AC-5
Test Date	:	2017.03.04			

Chain	CH	Antenna Polarity	Frequency (MHz)	Reading Level (dB μV)	Factor (dB)	Measured Level (dB μV/m)	Limit (dB μV/m)	Over Limit (dB)	Detector
Ant 1+2	1	H	4824.000	38.915	6.011	44.926	54(note3)	-9.074	PK
		H	7236.000	36.549	10.228	46.778	54(note3)	-7.222	PK
		H	9648.000	34.539	12.356	46.894	54(note3)	-7.106	PK
		V	4824.000	38.141	6.011	44.152	54(note3)	-9.848	PK
		V	7236.000	36.899	10.228	47.128	54(note3)	-6.872	PK
		V	9648.000	34.872	12.356	47.227	54(note3)	-6.773	PK
	6	H	4876.000	39.343	6.390	45.733	54(note3)	-8.267	PK
		H	7311.000	36.005	9.956	45.961	54(note3)	-8.039	PK
		H	9746.500	38.166	12.404	50.570	54(note3)	-3.43	PK
		V	4876.000	39.967	6.390	46.357	54(note3)	-7.643	PK
		V	7315.500	38.732	10.138	48.870	54(note3)	-5.130	PK
		V	9746.500	39.896	12.404	52.300	54(note3)	-1.700	PK
	11	H	4924.000	38.905	6.379	45.285	54(note3)	-8.715	PK
		H	7386.000	36.003	9.833	45.836	54(note3)	-8.164	PK
		H	9848.000	33.312	12.853	46.165	54(note3)	-7.835	PK
		V	4924.000	37.609	6.379	43.989	54(note3)	-10.011	PK
		V	7386.000	35.906	9.833	45.739	54(note3)	-8.261	PK
		V	9848.000	33.005	12.853	45.858	54(note3)	-8.142	PK

Note: 1. Measure Level = Reading Level + Factor.

Note: 2. The test frequency range, 9kHz~30MHz, 18GHz~25GHz, both of the worst case are at least 20dB below the limits, therefore no data appear in the report.

Note: 3. This limit applies for using average detector, if the test result on peak is lower than average limit, then average measurement needn't be performed.

Note: 4. The VBW setting, see Clause 6.6.

Product Name	:	300Mbps Wireless N Nano Router	Power	:	AC 120V/60Hz
Test Site	:	Mode 4	Test Site	:	AC-5
Test Date	:	2017.03.04			

Chain	CH	Antenna Polarity	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measured Level (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Detector
Ant 1+2	3	H	4844.000	37.597	6.241	43.838	54(note3)	-10.162	PK
		H	7266.000	35.927	10.006	45.934	54(note3)	-8.066	PK
		H	9688.000	35.336	13.120	48.456	54(note3)	-5.544	PK
		V	4844.000	37.802	6.241	44.043	54(note3)	-9.957	PK
		V	7266.000	37.297	10.006	47.304	54(note3)	-6.696	PK
		V	9688.000	34.314	13.120	47.434	54(note3)	-6.566	PK
	6	H	4874.000	39.082	6.354	45.436	54(note3)	-8.564	PK
		H	7311.000	35.917	9.956	45.873	54(note3)	-8.127	PK
		H	9748.000	36.170	12.353	48.523	54(note3)	-5.477	PK
		V	4874.000	38.972	6.354	45.326	54(note3)	-8.674	PK
		V	7311.000	36.527	9.956	46.483	54(note3)	-7.517	PK
		V	9748.000	36.313	12.353	48.666	54(note3)	-5.334	PK
	9	H	4904.000	37.508	6.425	43.933	54(note3)	-10.067	PK
		H	7356.000	35.178	10.376	45.554	54(note3)	-8.446	PK
		H	9808.000	33.721	12.101	45.822	54(note3)	-8.178	PK
		V	4904.000	37.634	6.425	44.059	54(note3)	-9.941	PK
		V	7356.000	35.285	10.376	45.661	54(note3)	-8.339	PK
		V	9808.000	34.233	12.101	46.334	54(note3)	-7.666	PK

Note: 1. Measure Level = Reading Level + Factor.

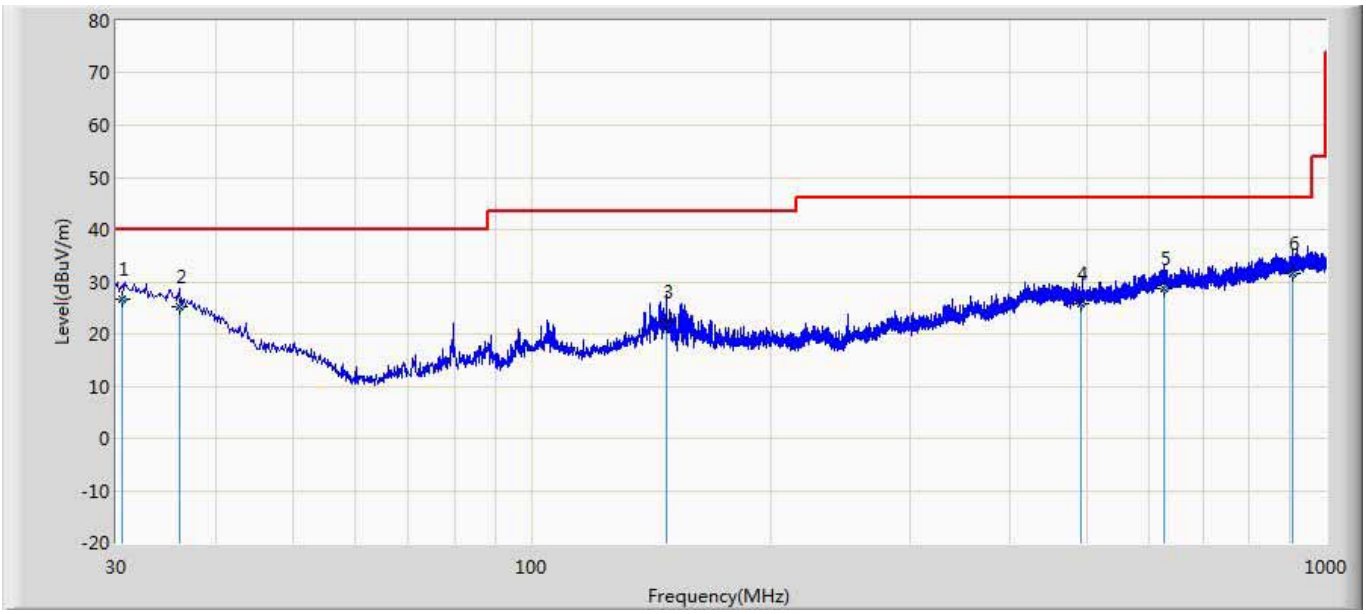
Note: 2. The test frequency range, 9kHz~30MHz, 18GHz~25GHz, both of the worst case are at least 20dB below the limits, therefore no data appear in the report.

Note: 3. This limit applies for using average detector, if the test result on peak is lower than average limit, then average measurement needn't be performed.

Note: 4. The VBW setting, see Clause 6.6.

The worst case of Radiated Emission below 1GHz:

Site: AC2	Time: 2017/03/02
Limit: FCC_Part15.109_RE(3m)_ClassB	Margin: 0
Probe: AC2_(30-1G)	Polarity: Horizontal
EUT: 300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 1	

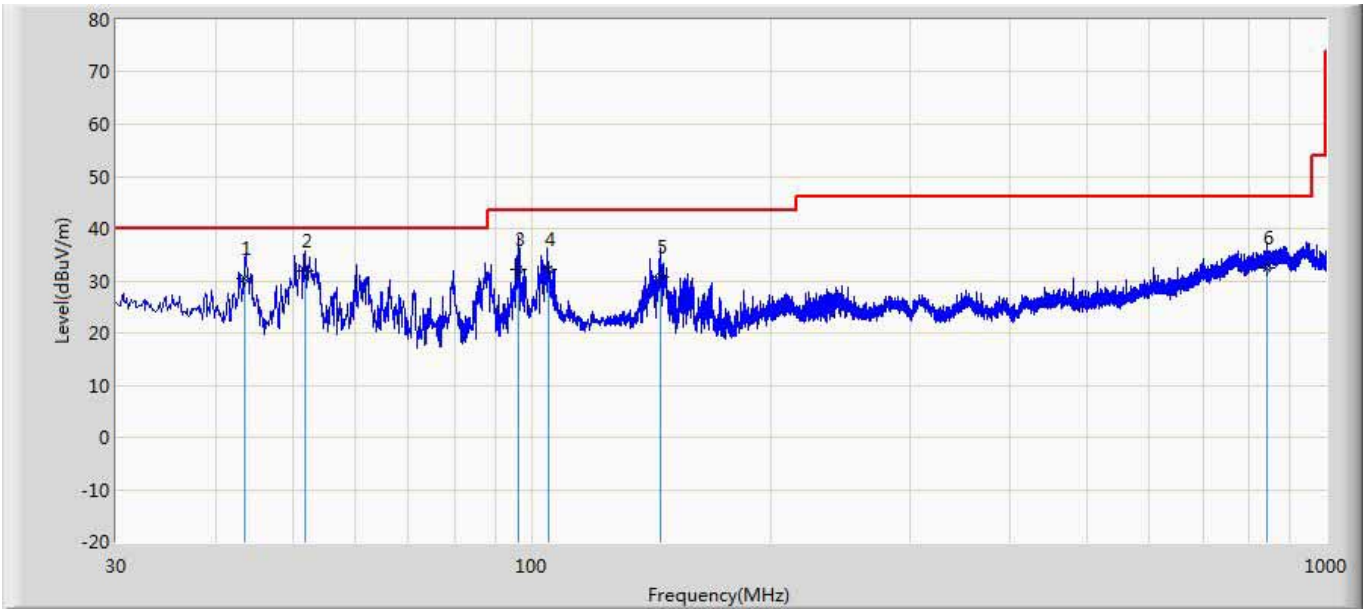


No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Probe (dB/m)	Cable (dB)	Amp (dB)	Ant Pos (cm)	Table Pos (deg)	Type
1	*	30.565	26.557	30.571	-13.443	40.000	18.472	0.606	23.092	100	2	QP
2		36.065	25.098	32.348	-14.902	40.000	15.282	0.653	23.185	100	228	QP
3		148.095	22.371	33.446	-21.129	43.500	10.615	1.320	23.010	100	115	QP
4		492.651	25.742	28.410	-20.258	46.000	17.682	2.410	22.760	200	360	QP
5		624.621	28.589	29.389	-17.411	46.000	19.000	2.740	22.540	100	0	QP
6		906.127	31.608	30.495	-14.392	46.000	20.549	3.312	22.748	100	114	QP

Note:

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

Site: AC2	Time: 2017/03/02
Limit: FCC_Part15.109_RE(3m)_ClassB	Margin: 0
Probe: AC2_(30-1G)	Polarity: Vertical
EUT: 300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 1	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Probe (dB/m)	Cable (dB)	Amp (dB)	Ant Pos (cm)	Table Pos (deg)	Type
1		43.565	30.451	41.978	-9.549	40.000	11.003	0.720	23.250	200	219	QP
2	*	51.822	31.899	46.239	-8.101	40.000	7.890	0.785	23.015	100	225	QP
3		96.127	32.139	43.912	-11.361	43.500	10.325	1.062	23.160	100	125	QP
4		104.865	32.171	42.633	-11.329	43.500	11.587	1.110	23.158	200	103	QP
5		145.165	30.663	41.586	-12.837	43.500	10.790	1.307	23.020	200	236	QP
6		844.446	32.481	31.422	-13.519	46.000	20.355	3.200	22.496	200	360	QP

Note:

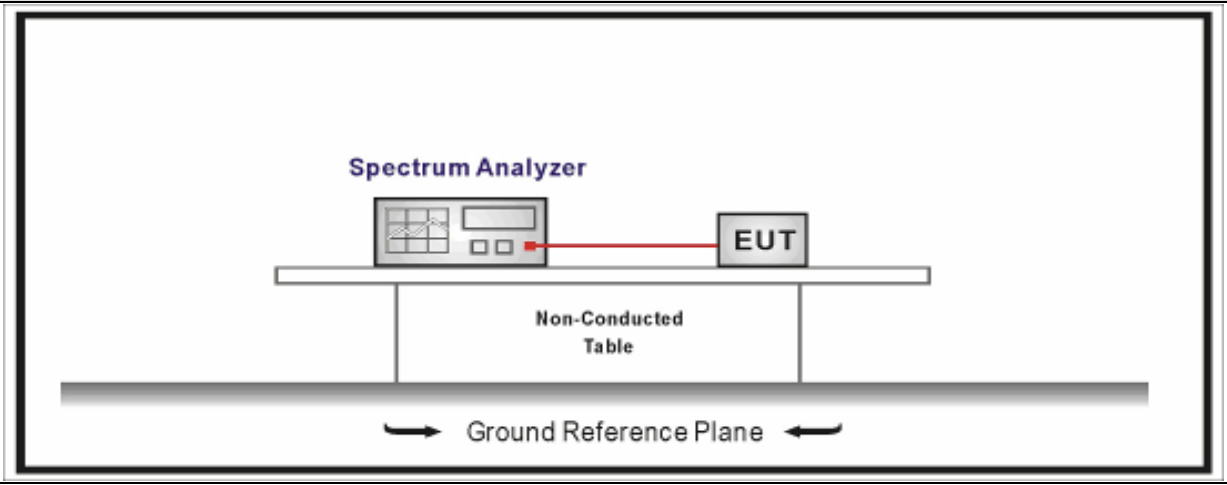
1. " * ", means this data is the worst emission level.
2. Measurement Level = Reading Level + Factor(Probe+Cable-Amp).

5. Emissions in non-restricted frequency bands

5.1. Test Equipment

Emissions in non-restricted frequency bands / TR-8					
Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Cal. Due Date
Spectrum Analyzer	Agilent	N9010A	MY48030494	2017.02.04	2018.02.03
EXA Spectrum Analyzer	Keysight	N9010A	MY55370495	2017.04.09	2018.04.08
MXA Signal Anlyzer	Keysight	N9020A	MY56060147	2017.04.09	2018.04.08
Temperature/Humidity Meter	zhichen	ZC1-2	TR8-TH	2017.04.10	2018.04.09
Note: All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.					

5.2. Test Setup

Emissions in non-restricted frequency bands


5.3. Limit

Un-Restricted Band Emissions Limit	
RF Output power (Detection methods)	Limit(dB)
RF Output power(Average detector)	30c(Note1)
RF Output power(PK detector)	20c(Note2)

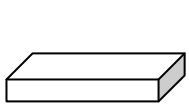
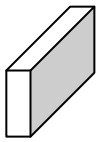
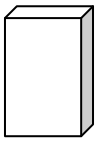
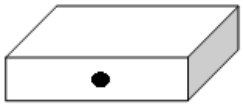
Note 1: If maximum conducted (average) output power was used to demonstrate compliance as described in 9.2, then the peak power in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 30 dB relative to the maximum in-band peak PSD level in 100 kHz (i.e., 30 dBc).

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).

5.4. Test Procedure

Test Method						
	References Rule				Chapter	Description
☒	ANSI C63.10				11.11	Emissions in non-restricted frequency bands
	☒	ANSI C63.10			11.11.2	Reference level measurement
	☒	ANSI C63.10			11.11.3	Emission level measurement
☐	ANSI C63.10				11.12	Emissions in restricted frequency bands
	☐	ANSI C63.10			11.12.1	Radiated emission measurements
	☐	ANSI C63.10			11.12.2.7	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

5.5. EUT test Axis definition

<table>
<tr><th>Item</th><th colspan="4">Emissions in non-restricted frequency bands</th></tr>
<tr><td rowspan="3">Device Category</td><td>☐</td><td colspan="3">Fixed point-to-point</td></tr>
<tr><td>☐</td><td colspan="3">Emit multiple directional beams, simultaneously or sequentially</td></tr>
<tr><td>☒</td><td colspan="3">Other cases</td></tr>
<tr><td>Test mode</td><td colspan="4">Mode 1 ~ Mode 4</td></tr>
<tr><td rowspan="12">Test method</td><td>☐</td><td colspan="3">Radiated</td></tr>
<tr><td rowspan="3"></td><td>X Axis</td><td>Y Axis</td><td>Z Axis</td></tr>
<tr><td>  </td><td>  </td><td>  </td></tr>
<tr><td>Worst Axis ☐</td><td>Worst Axis ☐</td><td>Worst Axis ☐</td></tr>
<tr><td>☒</td><td colspan="3">Conducted</td></tr>
<tr><td>☐</td><td colspan="3">Chain 0</td></tr>
<tr><td></td><td colspan="3">  </td></tr>
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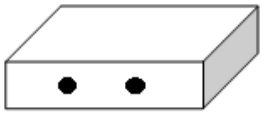
<tr><td></td><td colspan="3">  </td></tr>
<tr><td>☐</td><td>Chain 0</td><td>Chain 1</td><td>Chain 2</td></tr>
<tr><td></td><td colspan="3">  </td></tr>
</table>

5.6. Test Result

Product Name	:	300Mbps Wireless N Nano Router	Power	:	AC 120V/60Hz
Test Mode	:	Mode1~4	Test Site	:	TR8
Test Date	:	2017.03.04			

Antenna #1

Mode	Channel	Test Frequency (MHz)	Maximum In-Band PSD[a] (dBm/100kHz)	Frequency (MHz)	Out-Band PSD[b] (dBm/100kHz)	[a]-[b] (dB)	Limit (dB)	Result
1	01	2412	12.648	2397.01	-26.260	38.908	>30	Pass
1	11	2462	12.190	2460.53	-48.190	60.380	>30	Pass
2	01	2412	7.618	2413.27	-23.427	31.045	>30	Pass
2	11	2462	7.380	2460.75	-49.999	57.379	>30	Pass
3	01	2412	6.765	2413.25	-27.346	34.111	>30	Pass
3	11	2462	6.505	2463.27	-49.551	56.056	>30	Pass
4	03	2422	0.779	2424.53	-38.442	39.221	>30	Pass
4	09	2452	1.972	2449.49	-50.080	52.052	>30	Pass

Note: The worst case of emissions in non-restricted frequency bands as below:

Mode 2 CH01(2412MHz)

Antenna #2

Mode	Channel	Test Frequency (MHz)	Maximum In-Band PSD[a] (dBm/100kHz)	Frequency (MHz)	Out-Band PSD[b] (dBm/100kHz)	[a]-[b] (dB)	Limit (dB)	Result
1	01	2412	11.393	2411.50	-27.596	38.989	>30	Pass
1	11	2462	11.792	2461.49	-50.500	62.292	>30	Pass
2	01	2412	7.193	2410.74	-24.625	31.818	>30	Pass
2	11	2462	6.269	2463.29	-49.838	56.107	>30	Pass
3	01	2412	6.273	2410.74	-27.084	33.357	>30	Pass
3	11	2462	6.517	2463.27	-50.185	56.702	>30	Pass
4	03	2422	0.663	2425.75	-38.897	39.56	>30	Pass
4	09	2452	1.607	2454.53	-51.423	53.03	>30	Pass

Note: The worst case of emissions in non-restricted frequency bands as below:

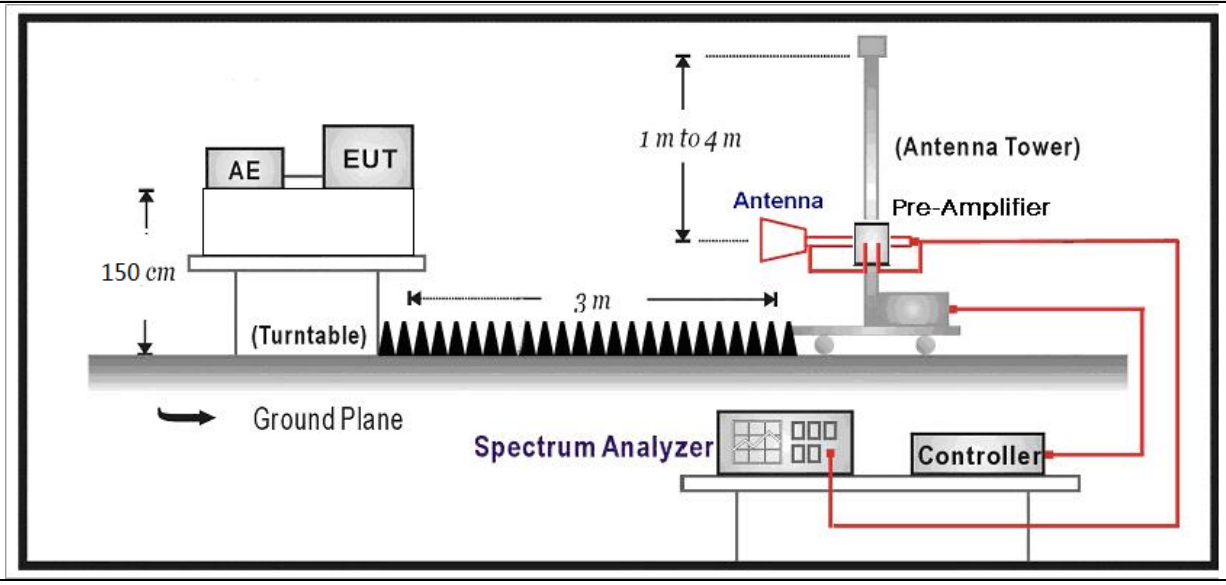
Mode 2 CH01(2412MHz)

6. Radiated Emission Band Edge

6.1. Test Equipment

Radiated Emission Band Edge / AC-5					
Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Cal. Due Date
Spectrum Analyzer	Agilent	E4446A	MY45300103	2017.01.04	2018.01.03
Preamplifier	Miteq	NSP1800-25	1364185	2016.05.06	2017.05.05
Preamplifier	QuieTek	AP-040G	CHM-0906001	2016.05.06	2017.05.05
DRG Horn	ETS-Lindgren	3117	00123988	2017.01.22	2018.01.21
Broad-Band Horn Antenna	Schwarzbeck	BBHA9170	294	2016.11.25	2017.11.24
Coaxial Cable	Huber+Suhner	SUCOFLEX 106	AC5-C1	2017.03.02	2018.03.01
Coaxial Cable	Huber+Suhner	SUCOFLEX 106	AC5-C2	2017.03.02	2018.03.01
Coaxial Cable	Huber+Suhner	SUCOFLEX 102	AC5-C3	2017.03.02	2018.03.01
EMI Receiver	Agilent	N9038A	MY51210196	2016.06.10	2017.06.09
Temperature/Humidity Meter	Zhichen	ZC1-2	AC5-TH	2017.01.04	2018.01.03
Note: All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.					

6.2. Test Setup

Radiated Emission Band Edge


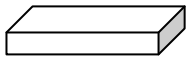
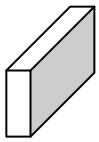
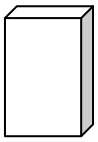
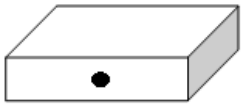
6.3. Limit

Band edge Limit				
Frequency bands (MHz)	Detector	Limit (dB μ V/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.				

6.4. Test Procedure

Radiated Emission Band Edge									
	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					11.12.2.7	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

6.5. EUT test definition

<table>
<tr><th>Item</th><th colspan="4">Radiated Emission Band Edge</th></tr>
<tr><td rowspan="3">Device Category</td><td>☐</td><td colspan="3">Fixed point-to-point</td></tr>
<tr><td>☐</td><td colspan="3">Emit multiple directional beams, simultaneously or sequentially</td></tr>
<tr><td>☒</td><td colspan="3">Other cases</td></tr>
<tr><td>Test mode</td><td colspan="4">Mode 1~4</td></tr>
<tr><td rowspan="11">Test method</td><td>☒</td><td colspan="3">Radiated</td></tr>
<tr><td rowspan="3"></td><td>X Axis</td><td>Y Axis</td><td>Z Axis</td></tr>
<tr><td>  </td><td>  </td><td>  </td></tr>
<tr><td>Worst Axis ☒</td><td>Worst Axis ☐</td><td>Worst Axis ☐</td></tr>
<tr><td>☐</td><td colspan="3">Conducted</td></tr>
<tr><td>☐</td><td colspan="3">Chain 0</td></tr>
<tr><td></td><td colspan="3">  </td></tr>
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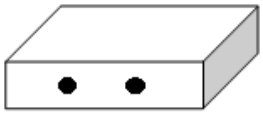
<tr><td></td><td colspan="3">  </td></tr>
<tr><td>☐</td><td>Chain 0</td><td>Chain 1</td><td>Chain 2</td></tr>
<tr><td></td><td colspan="3">  </td></tr>
</table>

6.6. Duty Cycle

Test Mode	Tx On (ms)	Tx Off (ms)	VBW	Tx On + Tx Off (ms)	Duty Cycle
802.11b	8.420	0.280	120Hz	8.700	96.78%
802.11g	1.385	0.215	750Hz	1.600	86.56%
802.11n(20MHz)	1.290	0.225	820Hz	1.515	85.15%
802.11n(40MHz)	0.614	0.204	1.8kHz	0.818	75.06%

802.11b

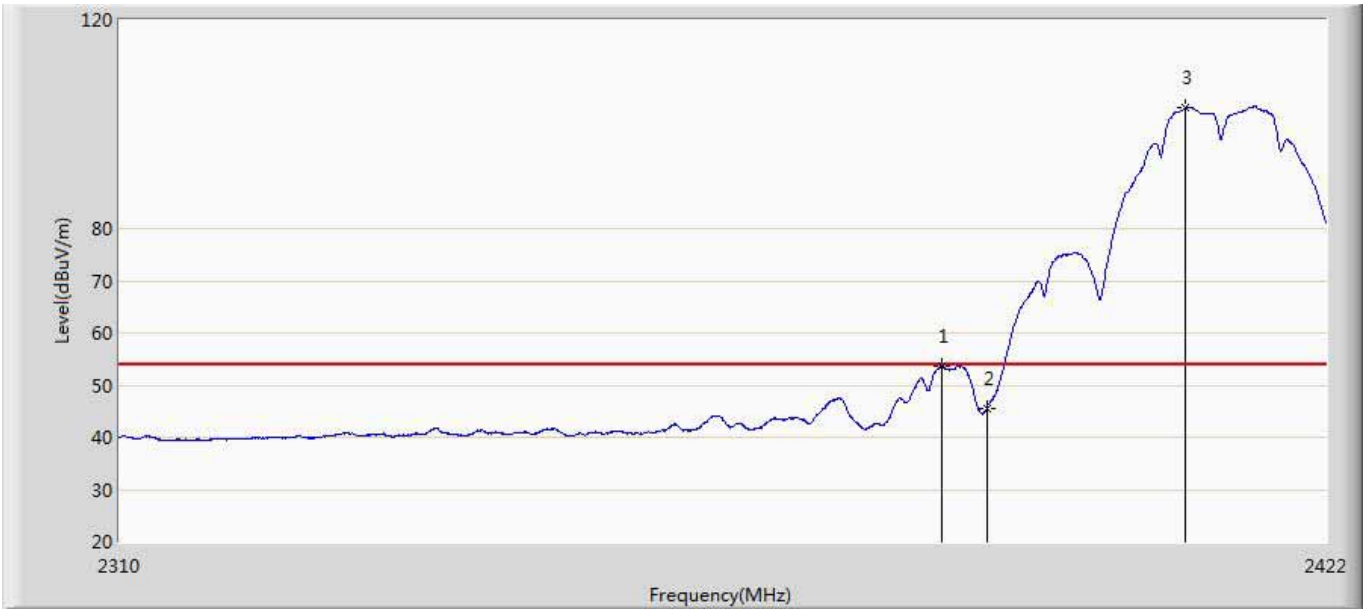
802.11g

802.11n(20MHz)

802.11n(40MHz)

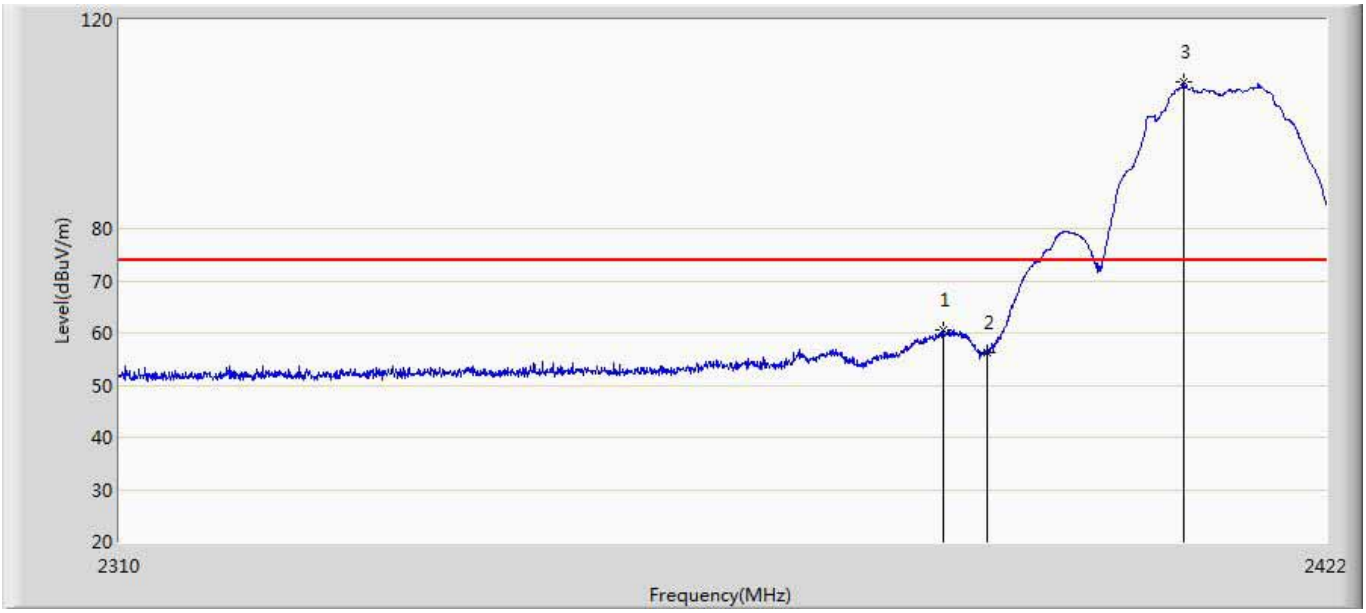
6.7. Test Result

Site: AC5	Time: 2017/03/18 - 09:58
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 2412MHz by 802.11B	



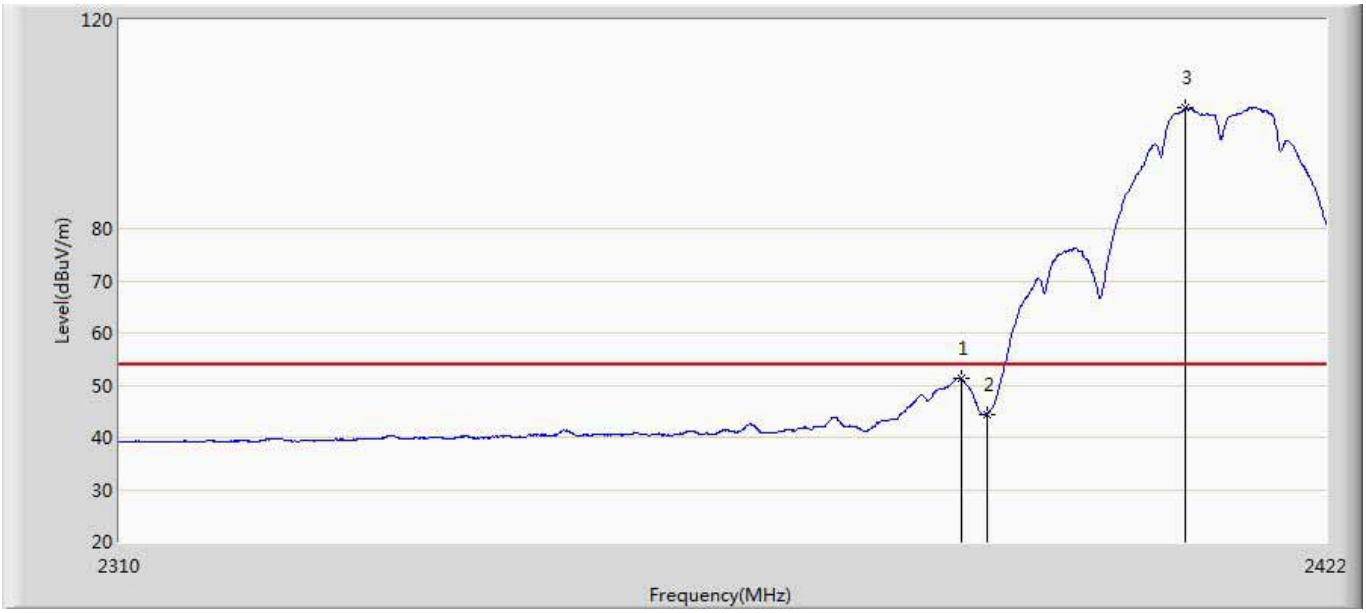
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2385.712	53.541	17.212	-0.459	54.000	36.329	AV
2		2390.000	45.645	9.315	-8.355	54.000	36.329	AV
3	*	2408.672	103.179	66.852	49.179	54.000	36.327	AV

Site: AC5	Time: 2017/03/18 - 10:05
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 2412MHz by 802.11B	



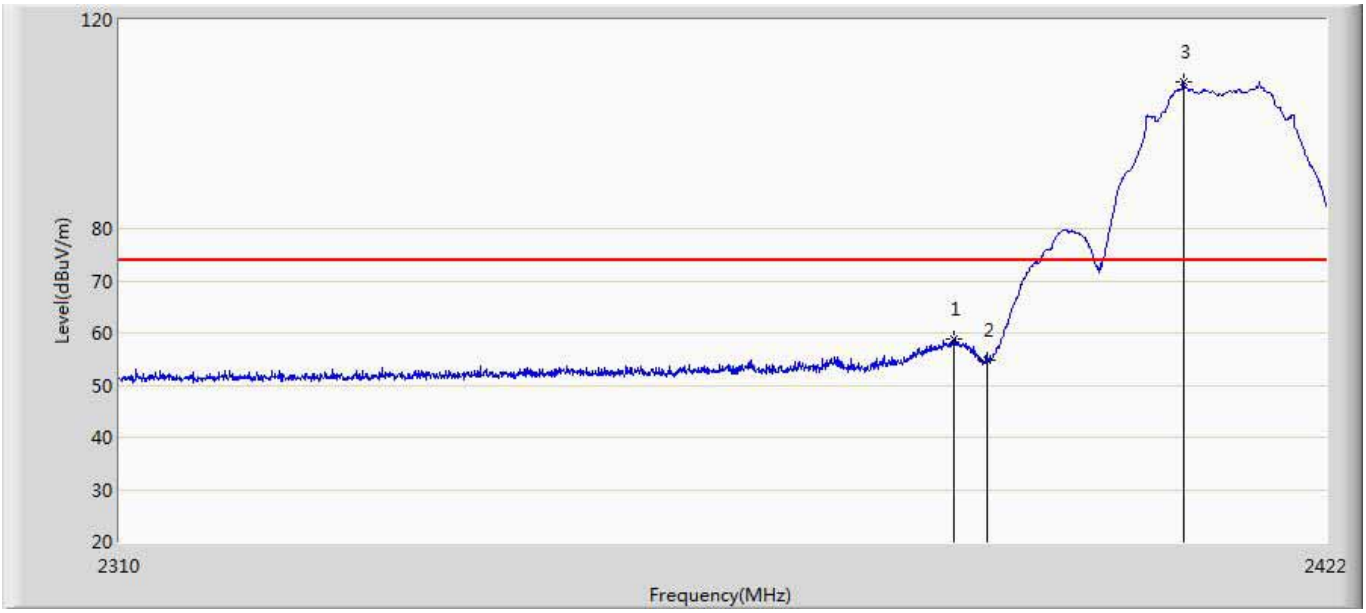
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2385.880	60.679	24.350	-13.321	74.000	36.329	PK
2		2390.000	56.300	19.970	-17.700	74.000	36.329	PK
3	*	2408.504	108.017	71.690	34.017	74.000	36.327	PK

Site: AC5	Time: 2017/03/18 - 10:07
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 2412MHz by 802.11B	



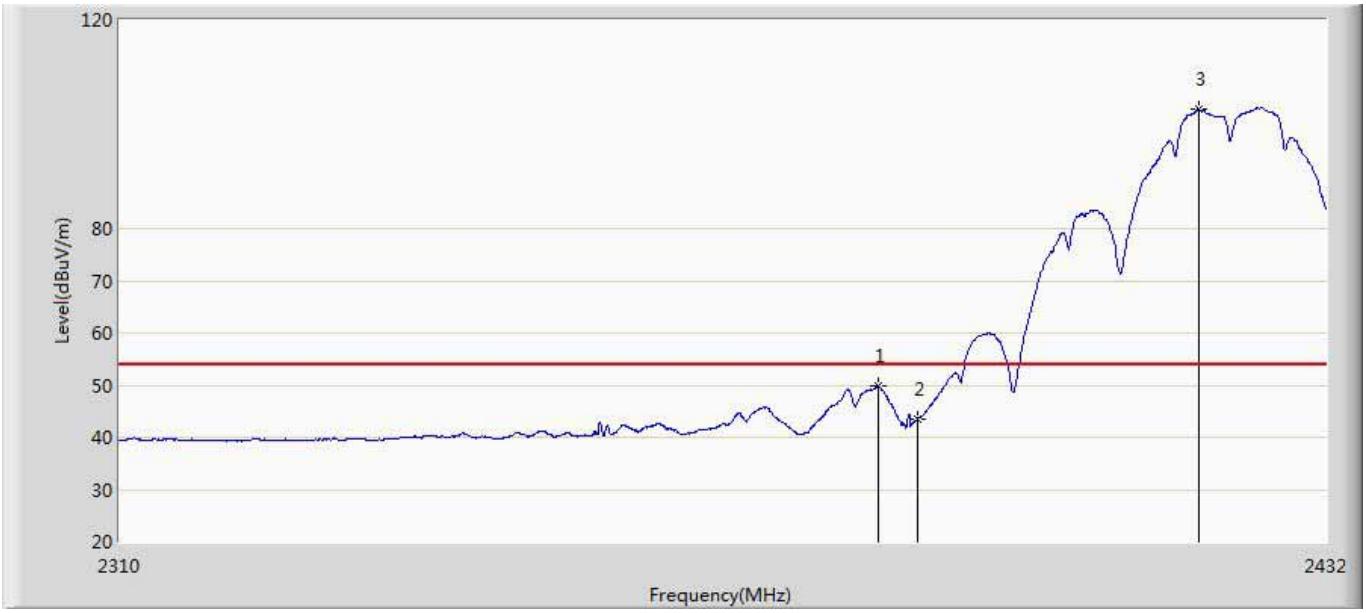
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2387.560	51.218	14.889	-2.782	54.000	36.329	AV
2		2390.000	44.399	8.069	-9.601	54.000	36.329	AV
3	*	2408.728	103.085	66.758	49.085	54.000	36.327	AV

Site: AC5	Time: 2017/03/18 - 10:09
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 2412MHz by 802.11B	



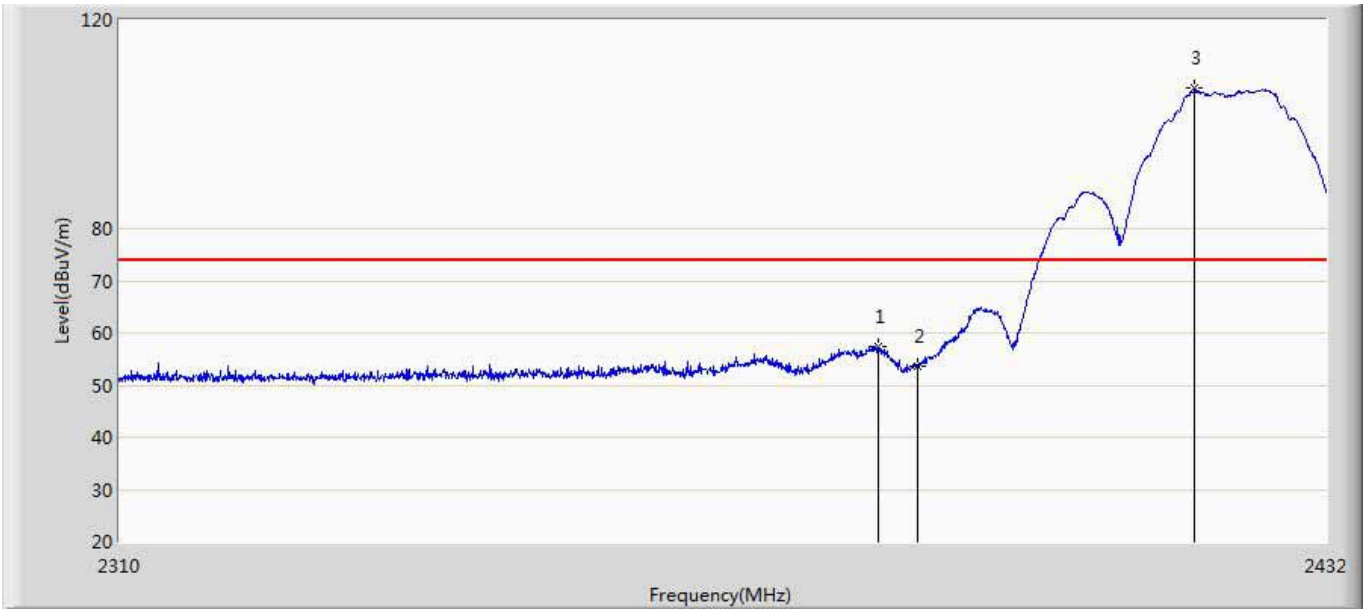
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2386.888	58.709	22.380	-15.291	74.000	36.329	PK
2		2390.000	54.671	18.341	-19.329	74.000	36.329	PK
3	*	2408.504	107.983	71.656	33.983	74.000	36.327	PK

Site: AC5	Time: 2017/04/08 - 10:31
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: 300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 2422MHz by 802.11B	



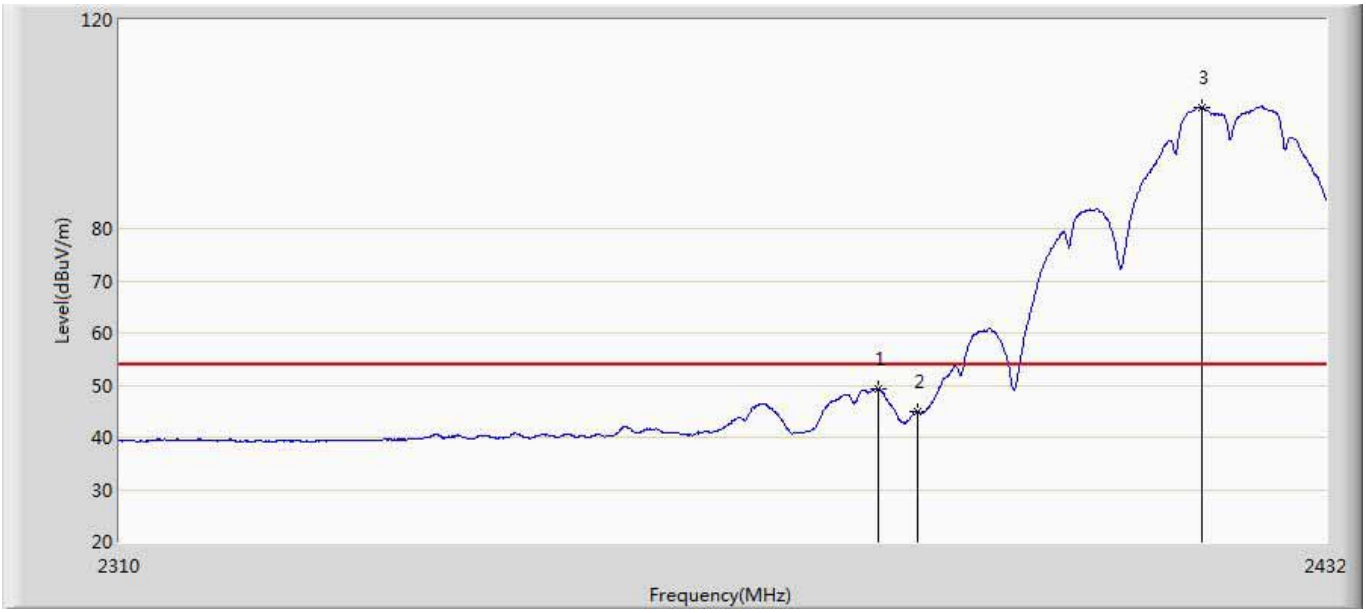
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2385.945	49.742	13.413	-4.258	54.000	36.329	AV
2		2390.000	43.520	7.190	-10.480	54.000	36.329	AV
3	*	2418.824	102.832	66.381	48.832	54.000	36.452	AV

Site: AC5	Time: 2017/04/08 - 10:56
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: 300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 2422MHz by 802.11B	



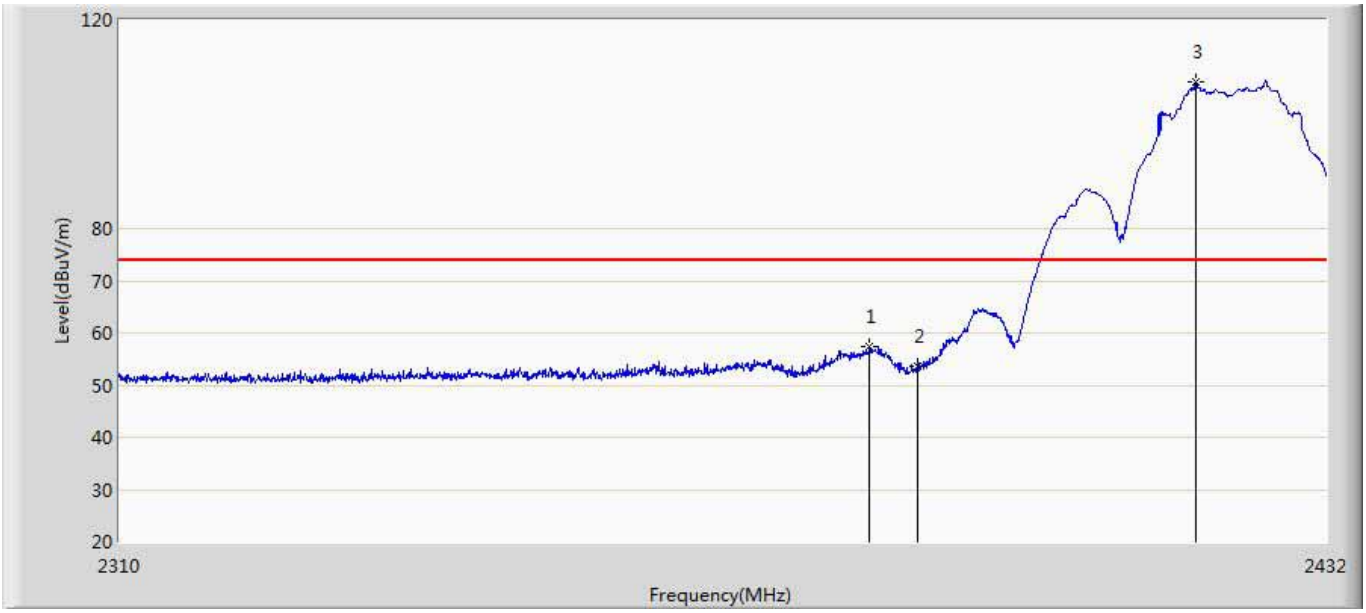
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2386.006	57.472	21.143	-16.528	74.000	36.329	PK
2		2390.000	53.670	17.340	-20.330	74.000	36.329	PK
3	*	2418.458	106.868	70.423	32.868	74.000	36.445	PK

Site: AC5	Time: 2017/04/08 - 11:03
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: 300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 2422MHz by 802.11B	



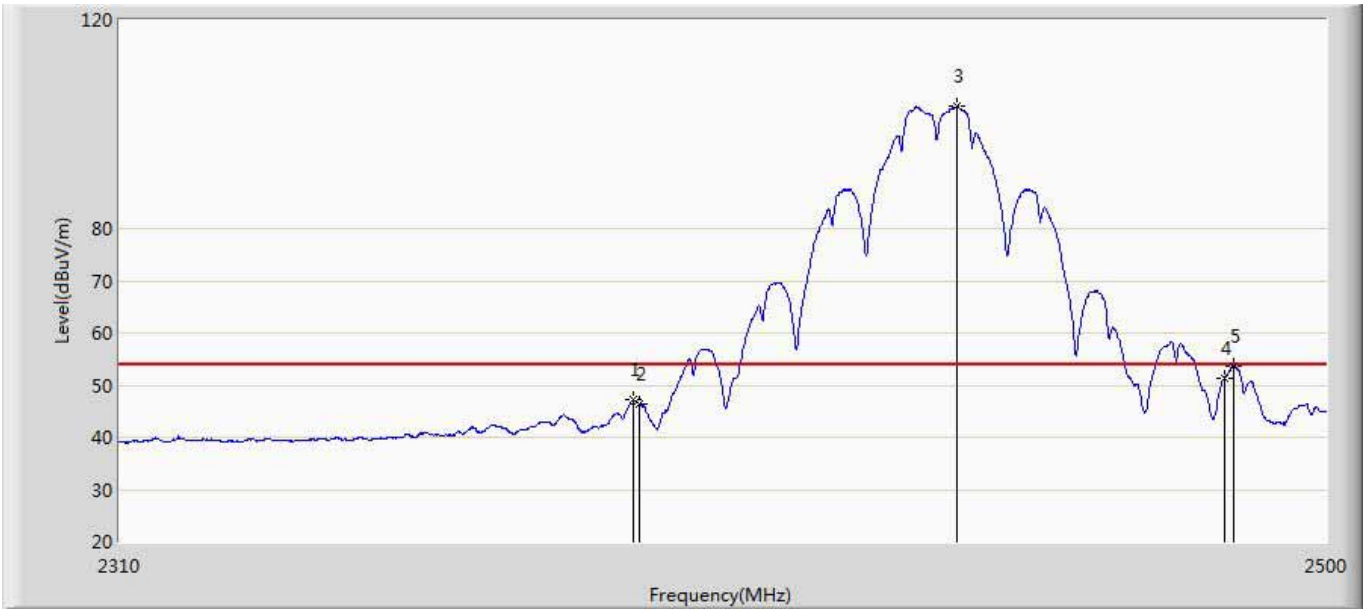
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2385.945	49.366	13.037	-4.634	54.000	36.329	AV
2		2390.000	44.975	8.645	-9.025	54.000	36.329	AV
3	*	2419.190	103.096	66.639	49.096	54.000	36.457	AV

Site: AC5	Time: 2017/04/08 - 11:07
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: 300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 2422MHz by 802.11B	



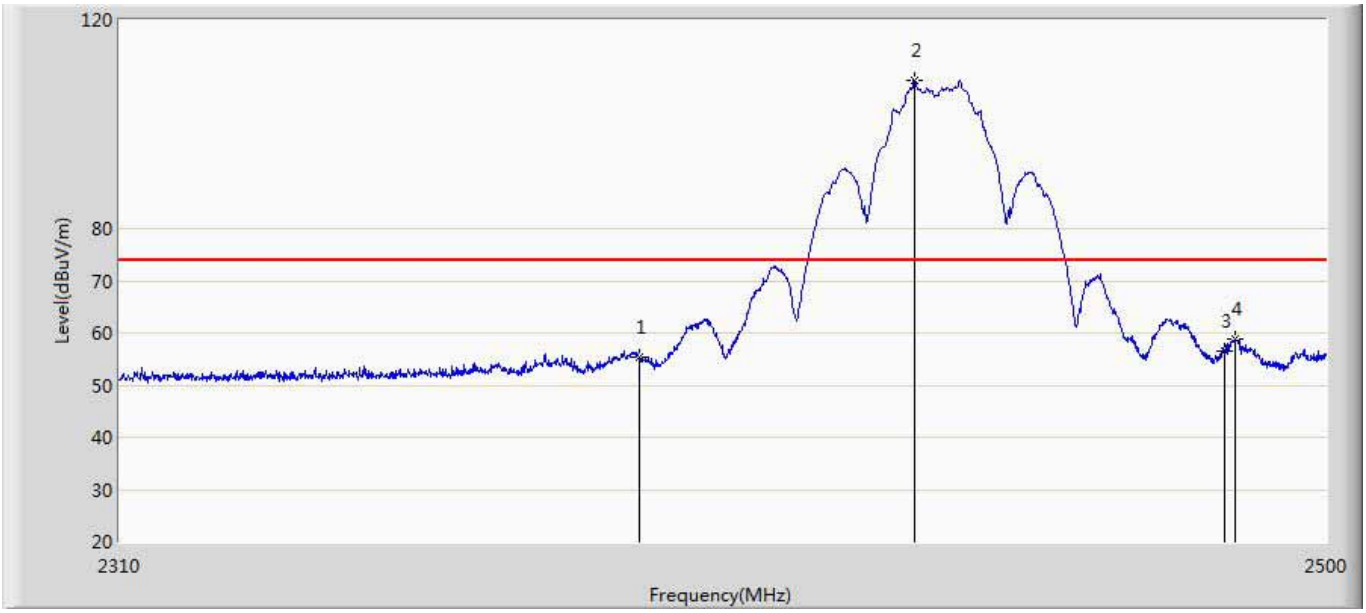
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2385.152	57.286	20.957	-16.714	74.000	36.329	PK
2		2390.000	53.573	17.243	-20.427	74.000	36.329	PK
3	*	2418.519	108.071	71.625	34.071	74.000	36.446	PK

Site: AC5	Time: 2017/03/18 - 10:11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 2437MHz by 802.11B	



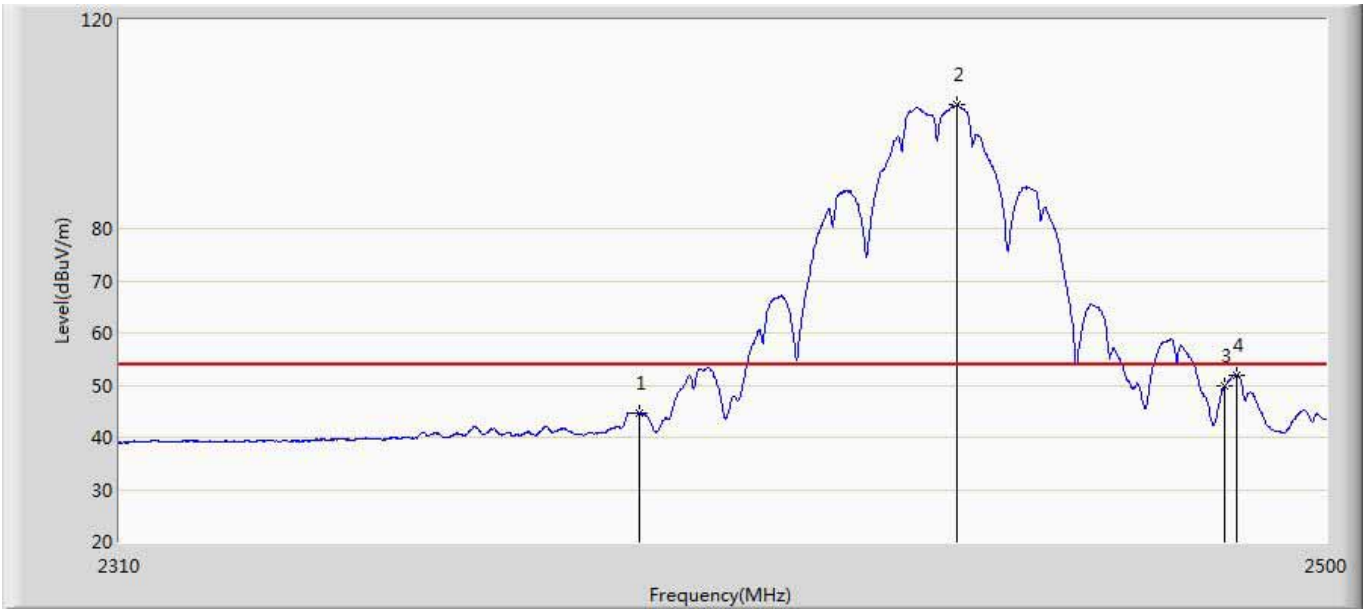
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2389.135	47.204	10.875	-6.796	54.000	36.329	AV
2		2390.000	46.516	10.186	-7.484	54.000	36.329	AV
3	*	2440.340	103.439	67.063	49.439	54.000	36.377	AV
4		2483.500	51.423	14.956	-2.577	54.000	36.467	AV
5		2484.895	53.750	17.262	-0.250	54.000	36.488	AV

Site: AC5	Time: 2017/03/18 - 10:17
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 2437MHz by 802.11B	



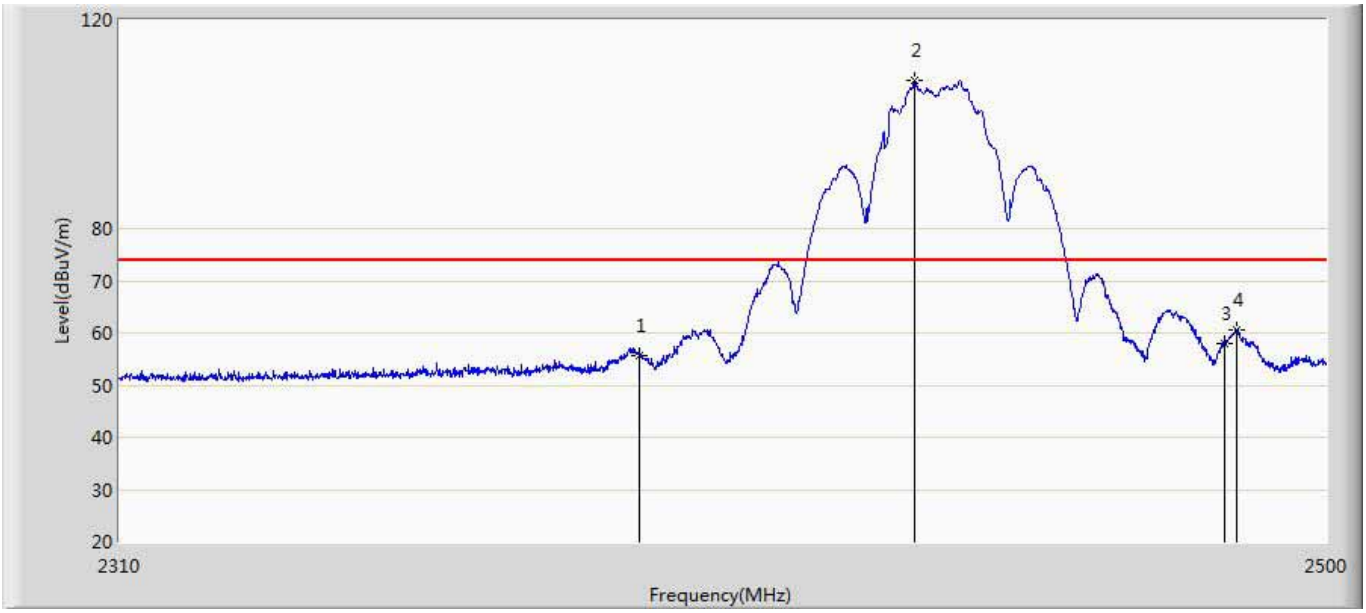
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	55.436	19.106	-18.564	74.000	36.329	PK
2	*	2433.500	108.389	71.890	34.389	74.000	36.498	PK
3		2483.500	56.508	20.041	-17.492	74.000	36.467	PK
4		2485.275	58.820	22.327	-15.180	74.000	36.493	PK

Site: AC5	Time: 2017/03/18 - 10:19
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 2437MHz by 802.11B	



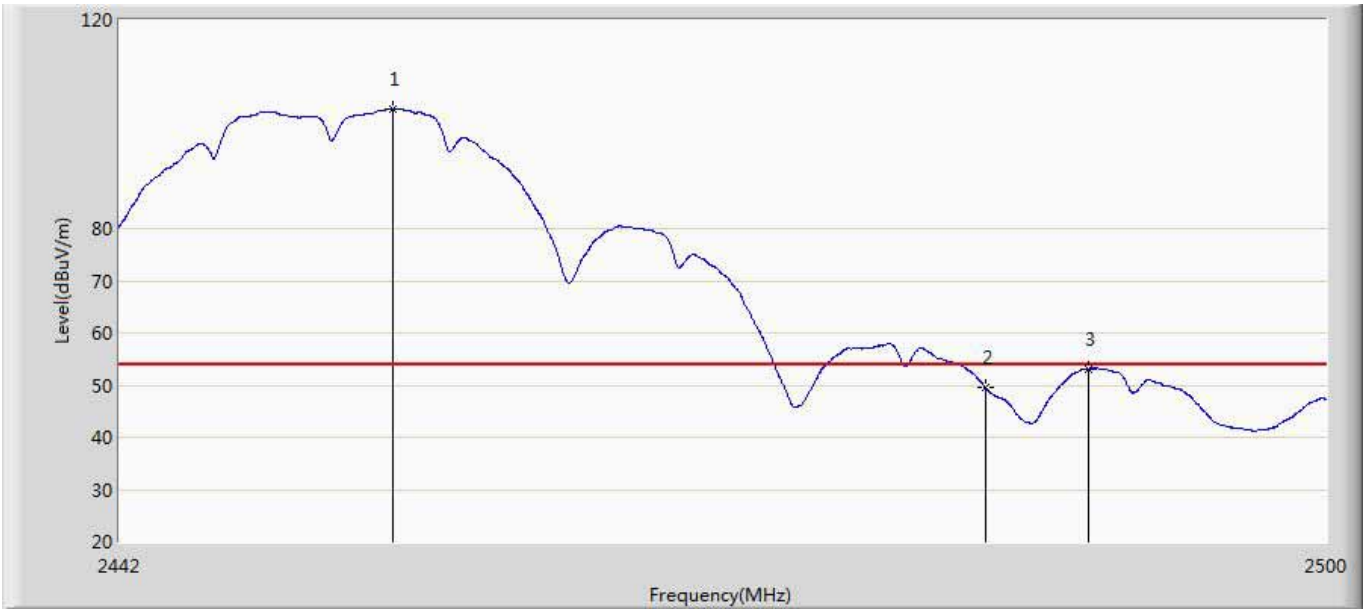
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	44.557	8.227	-9.443	54.000	36.329	AV
2	*	2440.340	103.661	67.285	49.661	54.000	36.377	AV
3		2483.500	49.841	13.374	-4.159	54.000	36.467	AV
4		2485.370	52.025	15.530	-1.975	54.000	36.494	AV

Site: AC5	Time: 2017/03/18 - 10:22
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 2437MHz by 802.11B	



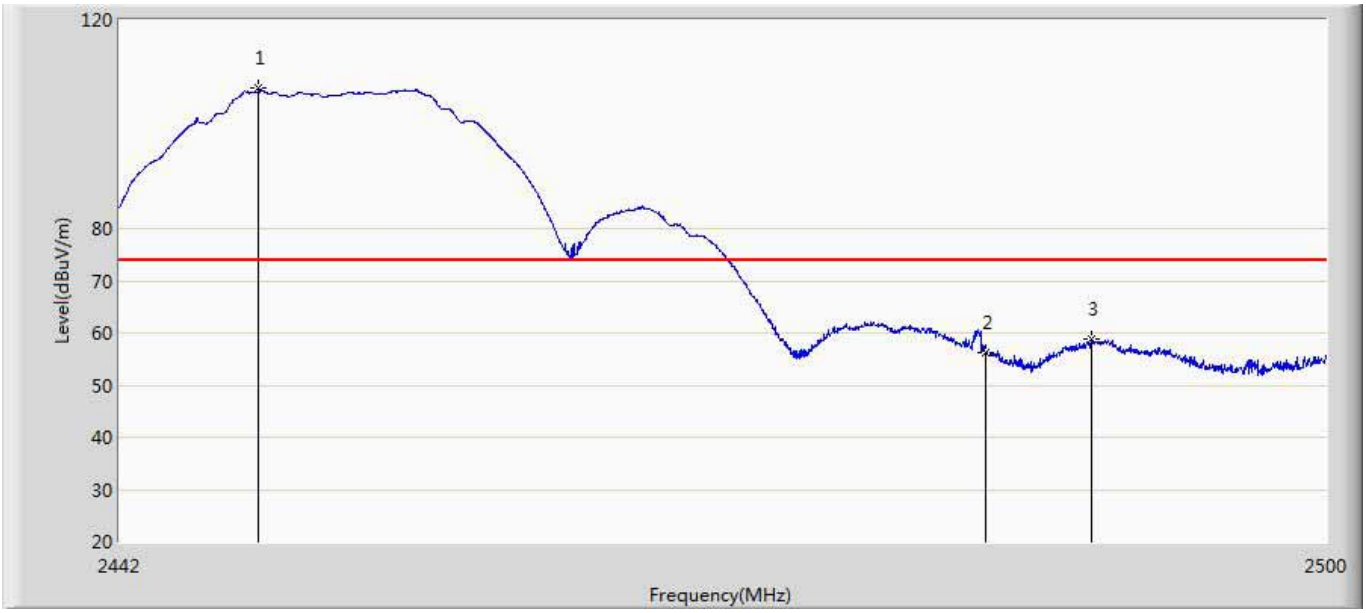
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	55.651	19.321	-18.349	74.000	36.329	PK
2	*	2433.500	108.371	71.872	34.371	74.000	36.498	PK
3		2483.500	58.057	21.590	-15.943	74.000	36.467	PK
4		2485.465	60.653	24.157	-13.347	74.000	36.497	PK

Site: AC5	Time: 2017/04/08 - 11:11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: 300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 2452MHz by 802.11B	



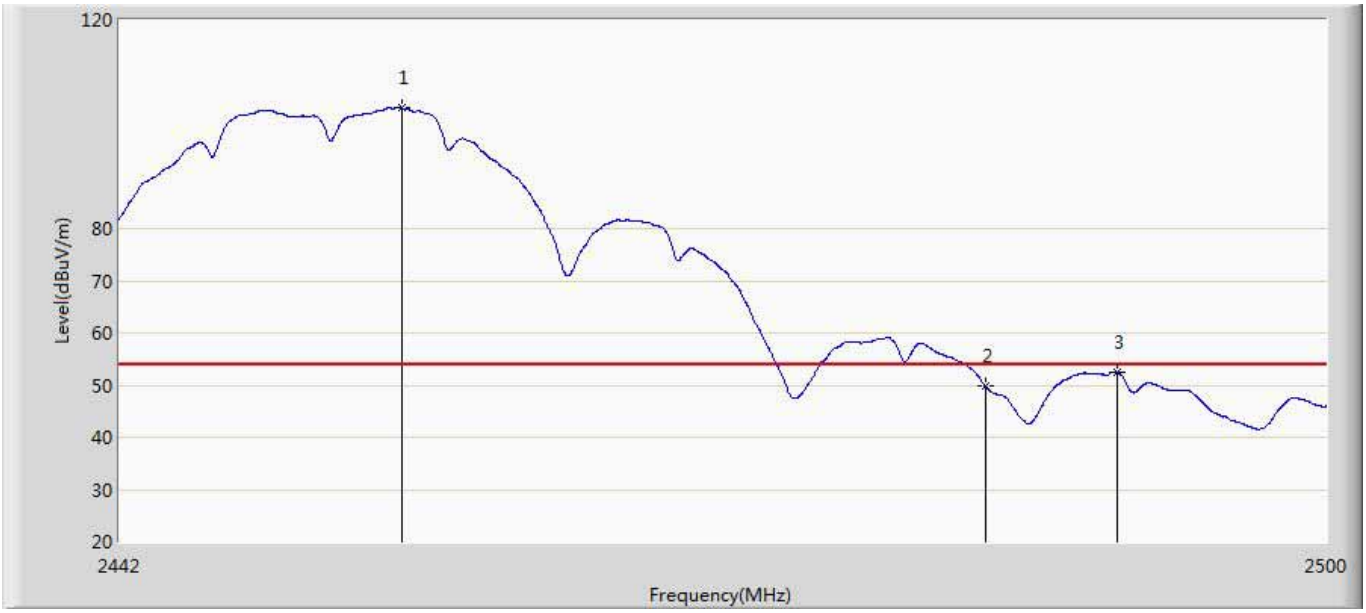
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2455.021	102.865	66.374	48.865	54.000	36.491	AV
2		2483.500	49.527	13.060	-4.473	54.000	36.467	AV
3		2488.516	53.126	16.584	-0.874	54.000	36.541	AV

Site: AC5	Time: 2017/04/08 - 11:17
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: 300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 2452MHz by 802.11B	



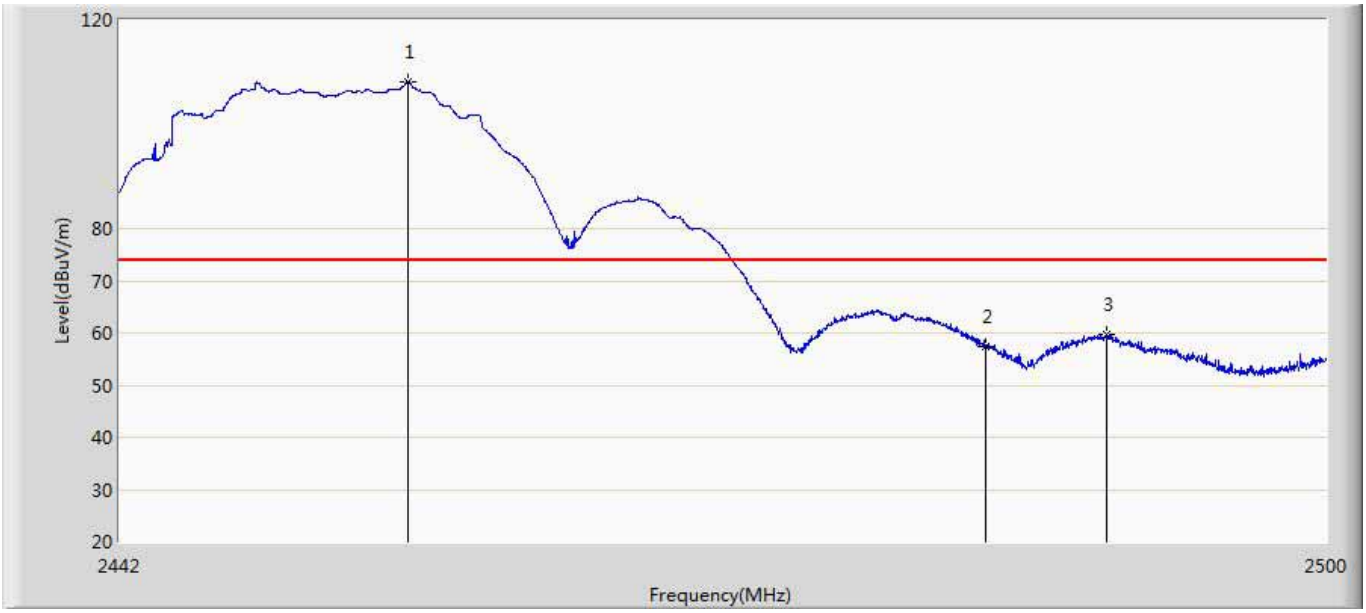
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2448.641	106.941	70.576	32.941	74.000	36.365	PK
2		2483.500	56.106	19.639	-17.894	74.000	36.467	PK
3		2488.661	58.714	22.171	-15.286	74.000	36.543	PK

Site: AC5	Time: 2017/04/08 - 11:17
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: 300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 2452MHz by 802.11B	



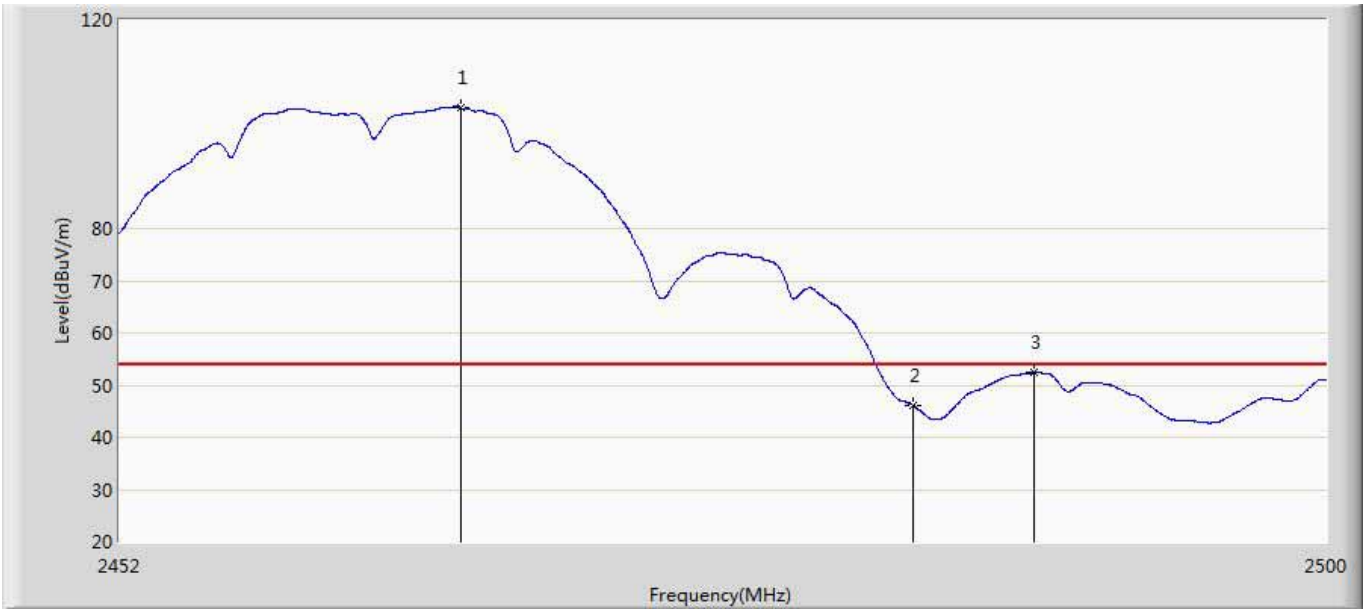
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2455.456	103.110	66.610	49.110	54.000	36.499	AV
2		2483.500	49.742	13.275	-4.258	54.000	36.467	AV
3		2489.879	52.526	15.964	-1.474	54.000	36.562	AV

Site: AC5	Time: 2017/04/08 - 11:20
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: 300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 2452MHz by 802.11B	



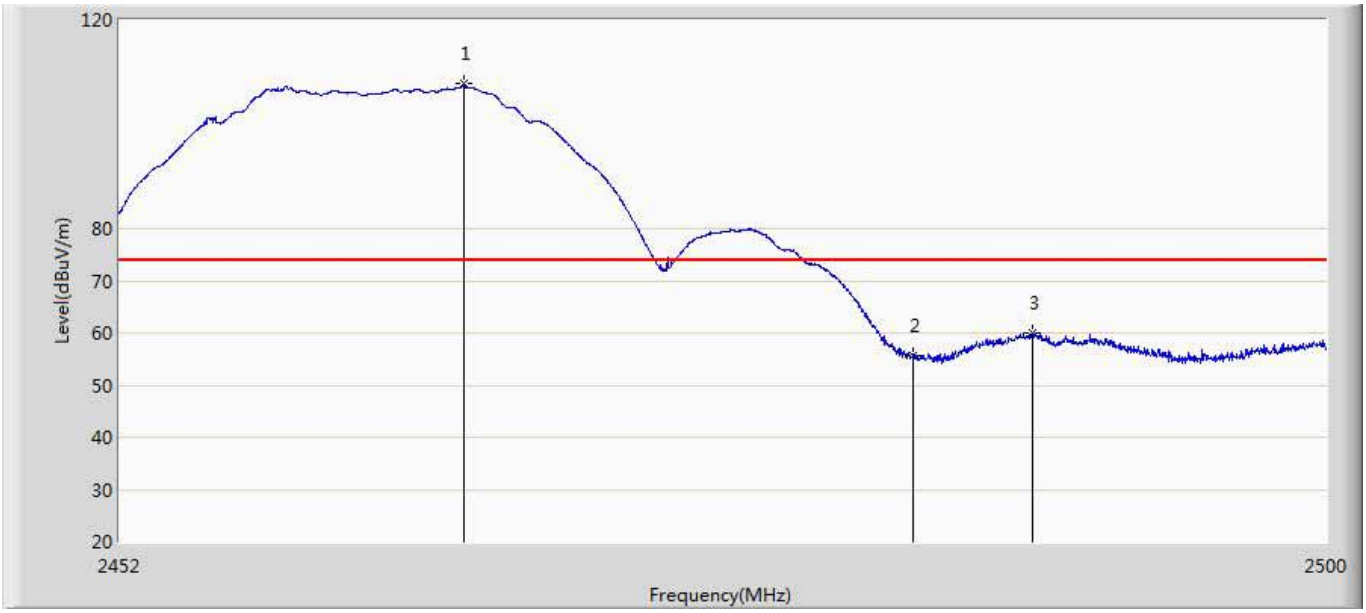
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2455.746	108.166	71.661	34.166	74.000	36.506	PK
2		2483.500	57.534	21.067	-16.466	74.000	36.467	PK
3		2489.386	59.599	23.044	-14.401	74.000	36.554	PK

Site: AC5	Time: 2017/03/18 - 10:28
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 2462MHz by 802.11B	



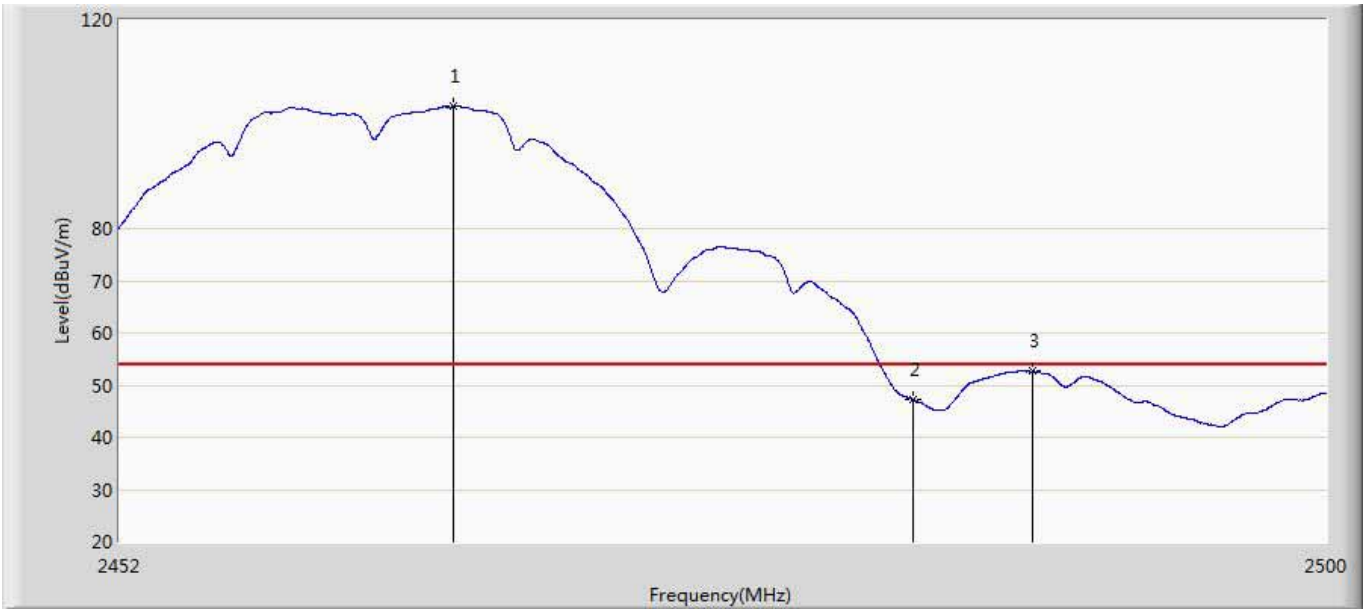
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2465.488	103.133	66.551	49.133	54.000	36.582	AV
2		2483.500	46.039	9.572	-7.961	54.000	36.467	AV
3		2488.312	52.458	15.919	-1.542	54.000	36.539	AV

Site: AC5	Time: 2017/03/18 - 10:34
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 2462MHz by 802.11B	



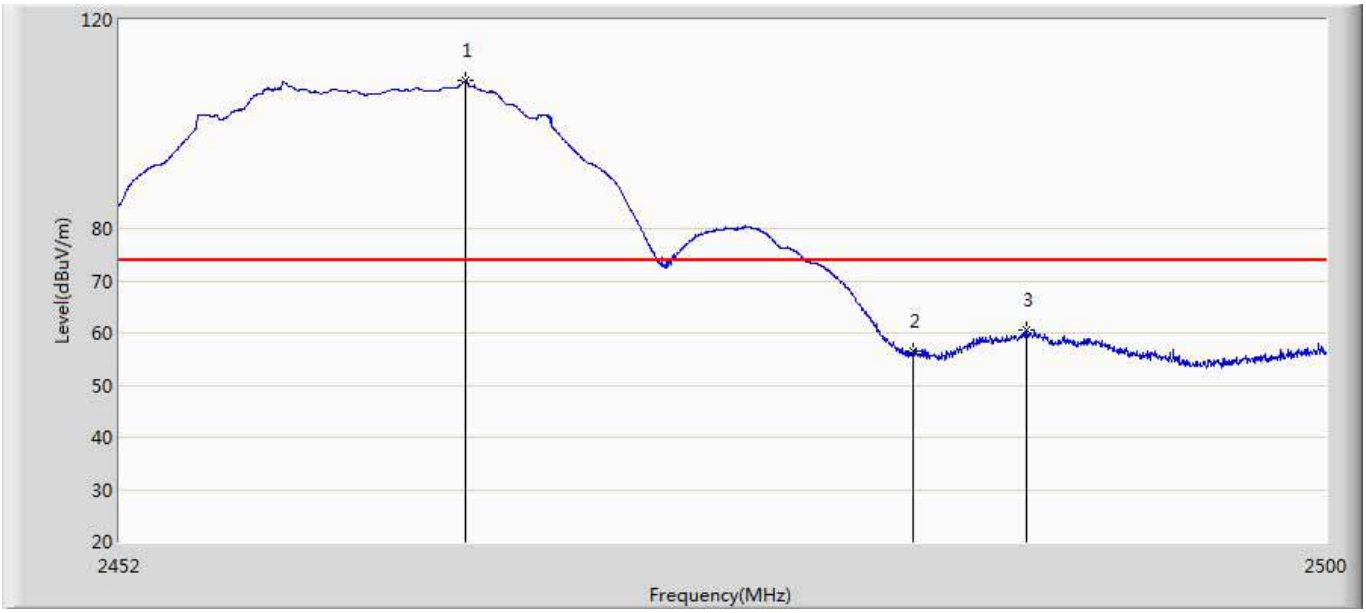
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2465.632	107.830	71.250	33.830	74.000	36.580	PK
2		2483.500	55.778	19.311	-18.222	74.000	36.467	PK
3		2488.216	59.951	23.414	-14.049	74.000	36.537	PK

Site: AC5	Time: 2017/03/18 - 10:41
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 2462MHz by 802.11B	



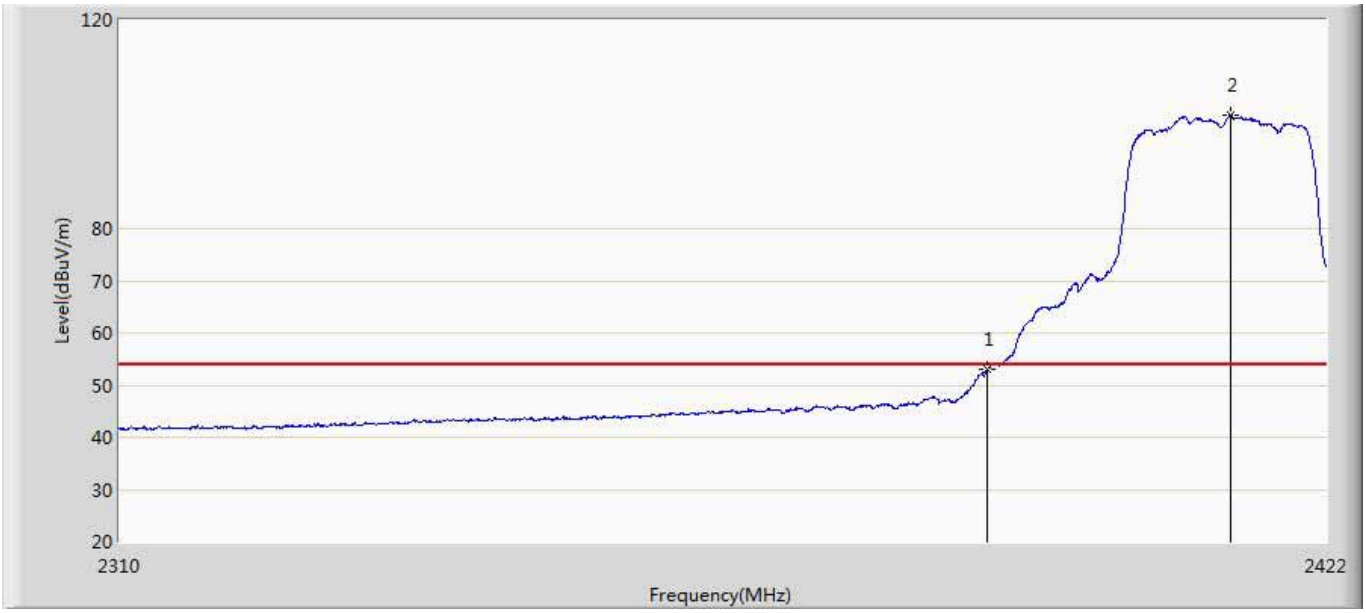
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2465.176	103.399	66.813	49.399	54.000	36.586	AV
2		2483.500	47.177	10.710	-6.823	54.000	36.467	AV
3		2488.240	52.628	16.090	-1.372	54.000	36.538	AV

Site: AC5	Time: 2017/03/18 - 10:43
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 2462MHz by 802.11B	



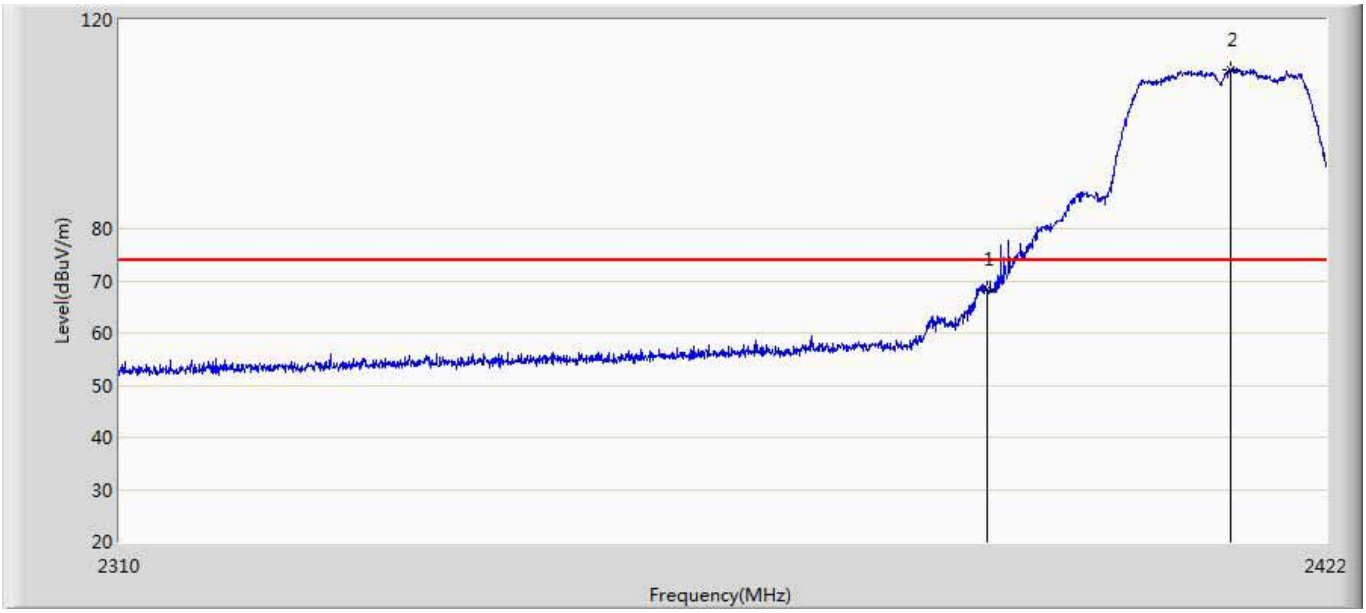
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2465.704	108.381	71.802	34.381	74.000	36.580	PK
2		2483.500	56.400	19.933	-17.600	74.000	36.467	PK
3		2488.024	60.535	24.001	-13.465	74.000	36.535	PK

Site: AC5	Time: 2017/03/18 - 10:46
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 2412MHz by 802.11G	



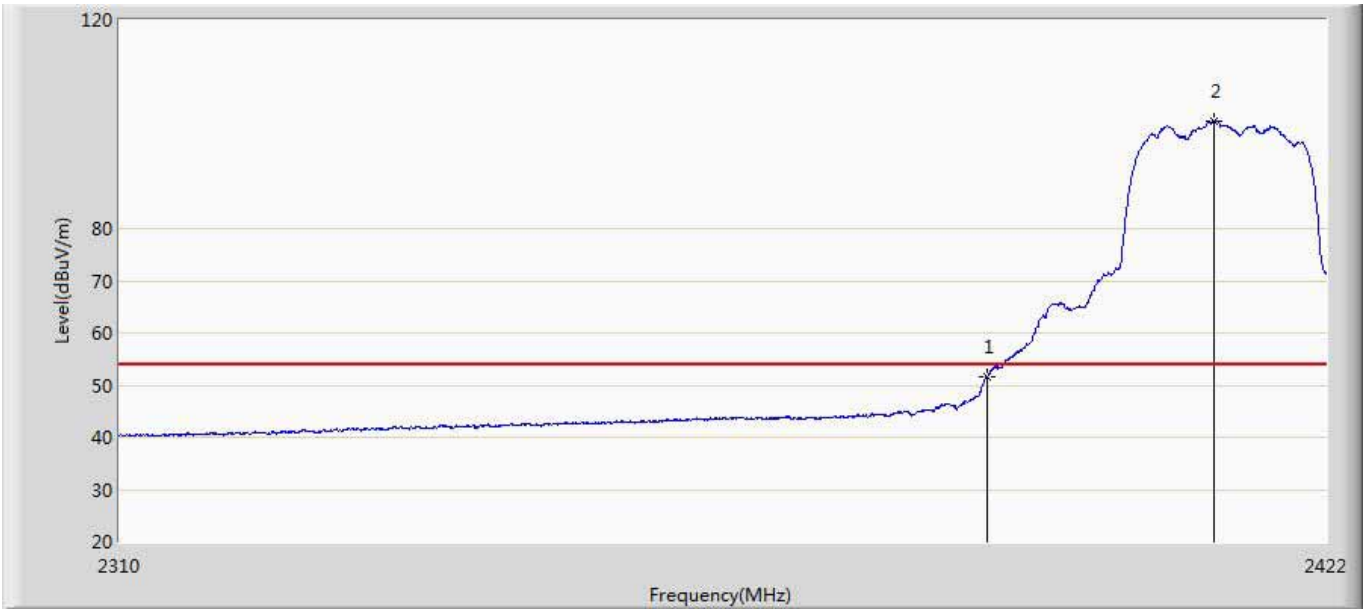
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	53.077	16.747	-0.923	54.000	36.329	AV
2	*	2412.984	101.790	65.431	47.790	54.000	36.358	AV

Site: AC5	Time: 2017/03/18 - 10:54
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 2412MHz by 802.11G	



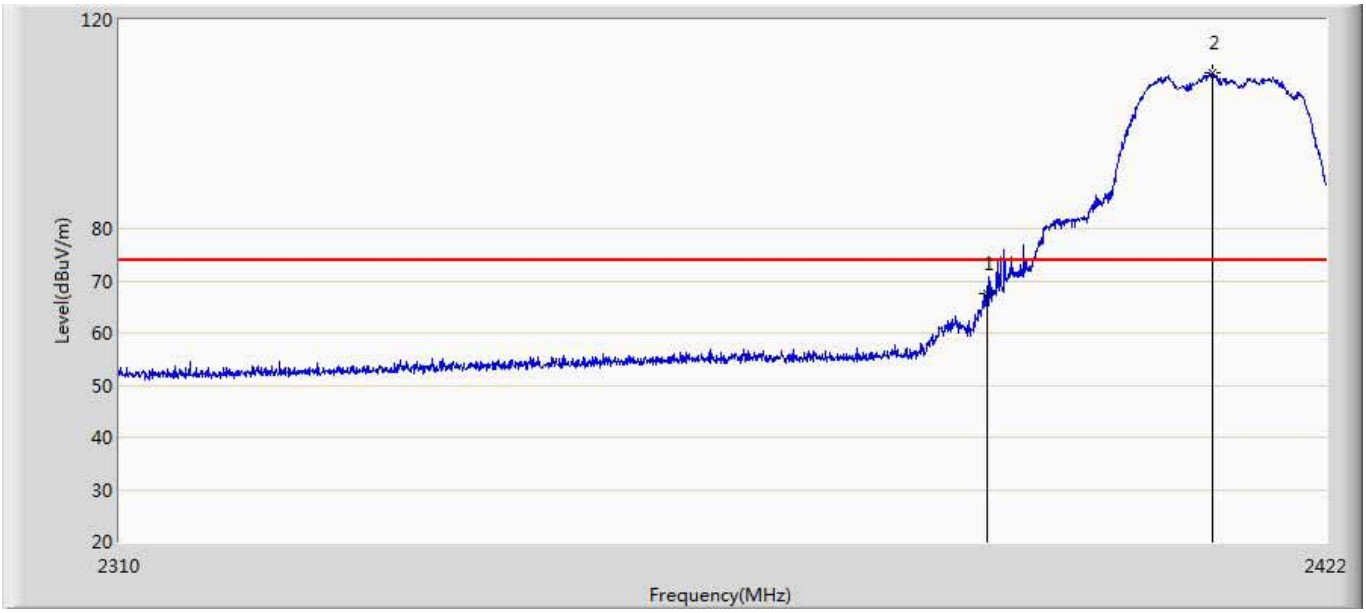
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	68.278	31.948	-5.722	74.000	36.329	PK
2	*	2412.984	110.564	74.205	36.564	74.000	36.358	PK

Site: AC5	Time: 2017/03/18 - 10:56
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 2412MHz by 802.11G	



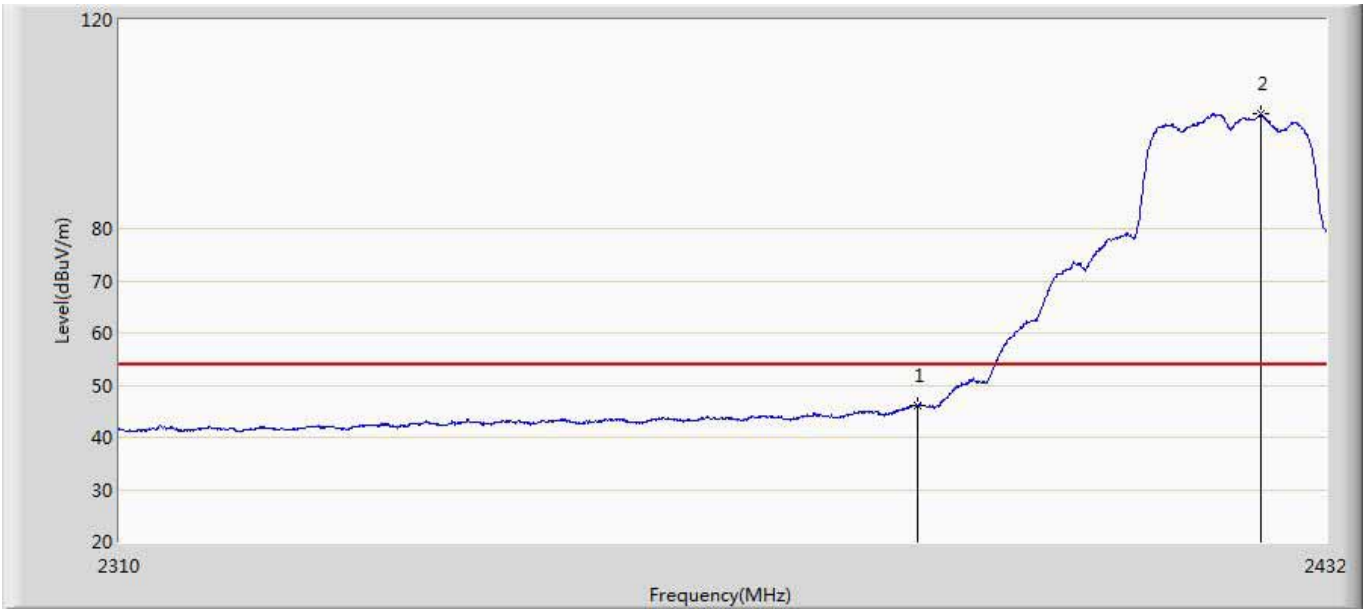
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	51.665	15.335	-2.335	54.000	36.329	AV
2	*	2411.360	100.596	64.263	46.596	54.000	36.332	AV

Site: AC5	Time: 2017/03/18 - 10:58
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 2412MHz by 802.11G	



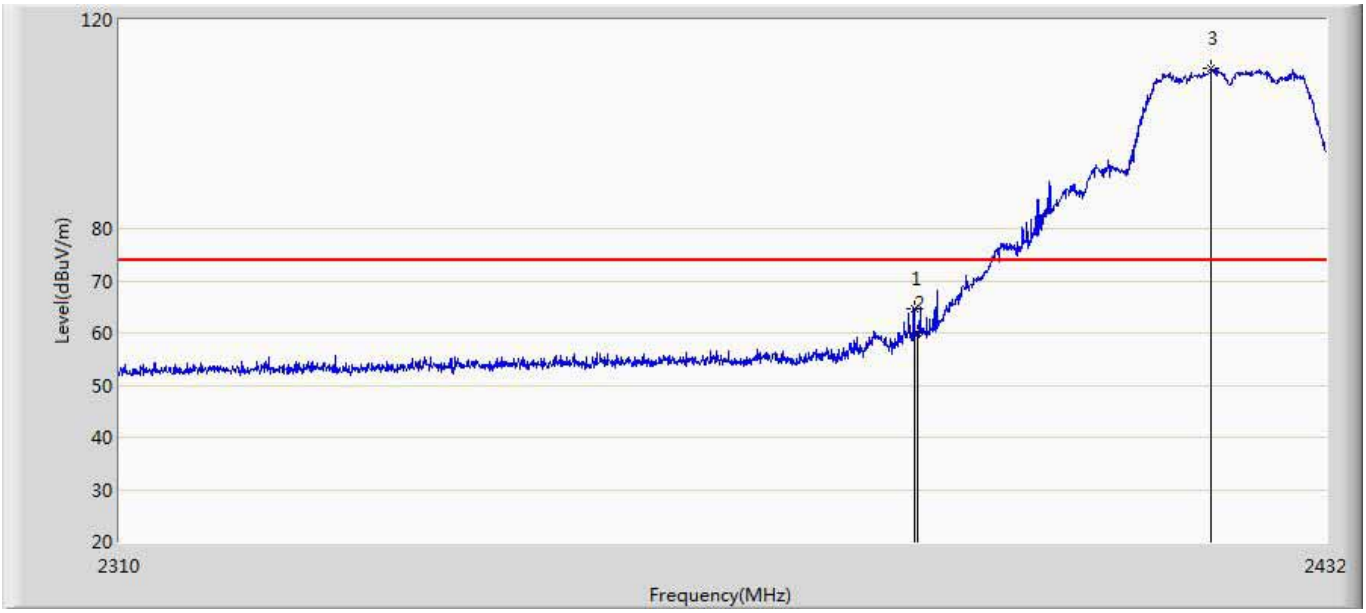
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	67.665	31.335	-6.335	74.000	36.329	PK
2	*	2411.248	109.752	73.421	35.752	74.000	36.331	PK

Site: AC5	Time: 2017/04/08 - 11:26
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: 300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 2422MHz by 802.11G	



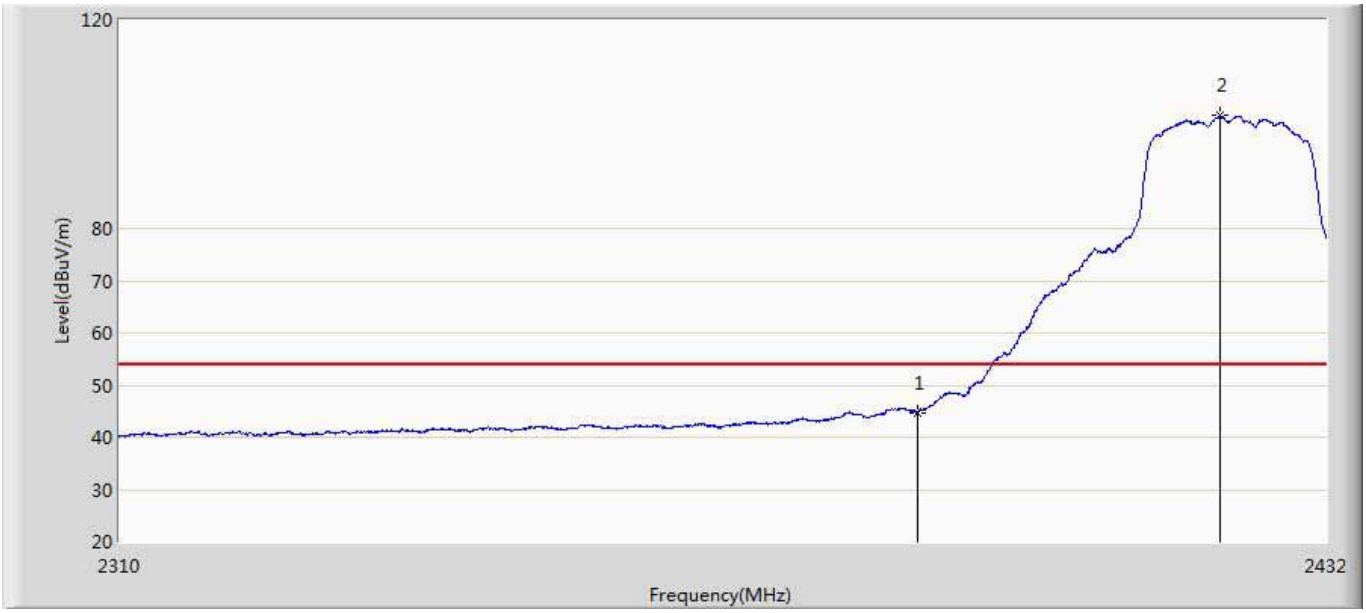
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	46.077	9.747	-7.923	54.000	36.329	AV
2	*	2425.290	101.939	65.385	47.939	54.000	36.554	AV

Site: AC5	Time: 2017/04/08 - 11:30
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: 300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 2422MHz by 802.11G	



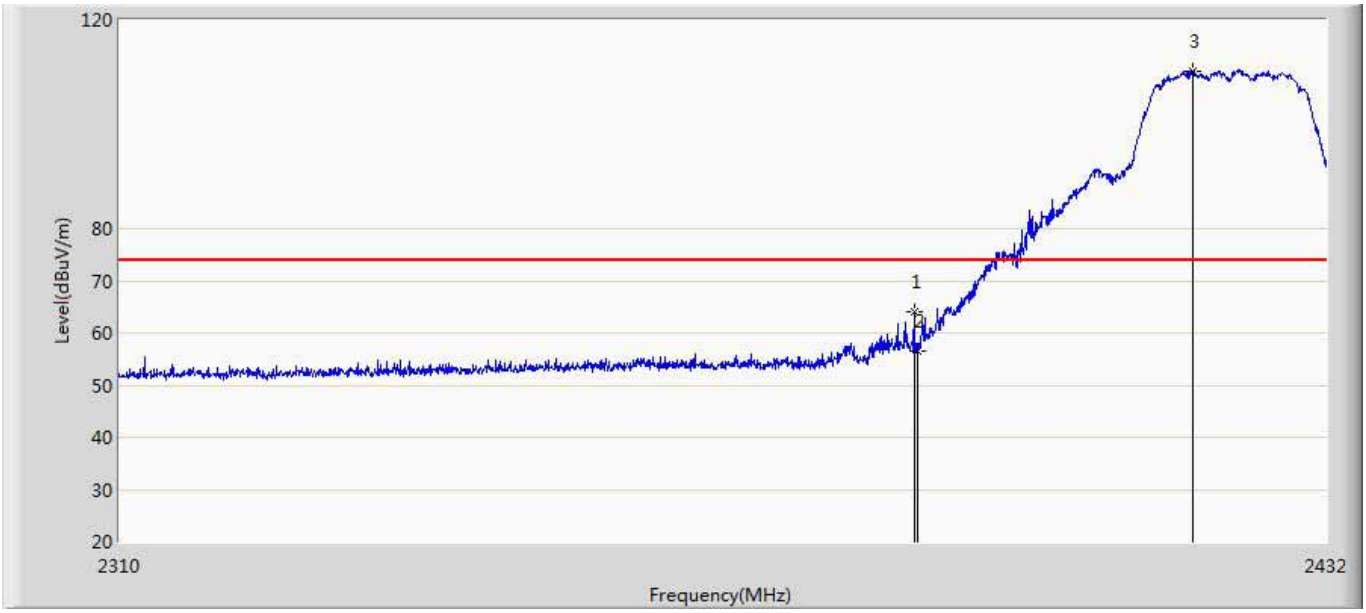
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2389.666	64.709	28.380	-9.291	74.000	36.330	PK
2		2390.000	59.885	23.555	-14.115	74.000	36.329	PK
3	*	2420.105	110.829	74.357	36.829	74.000	36.471	PK

Site: AC5	Time: 2017/04/08 - 11:33
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: 300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 2422MHz by 802.11G	



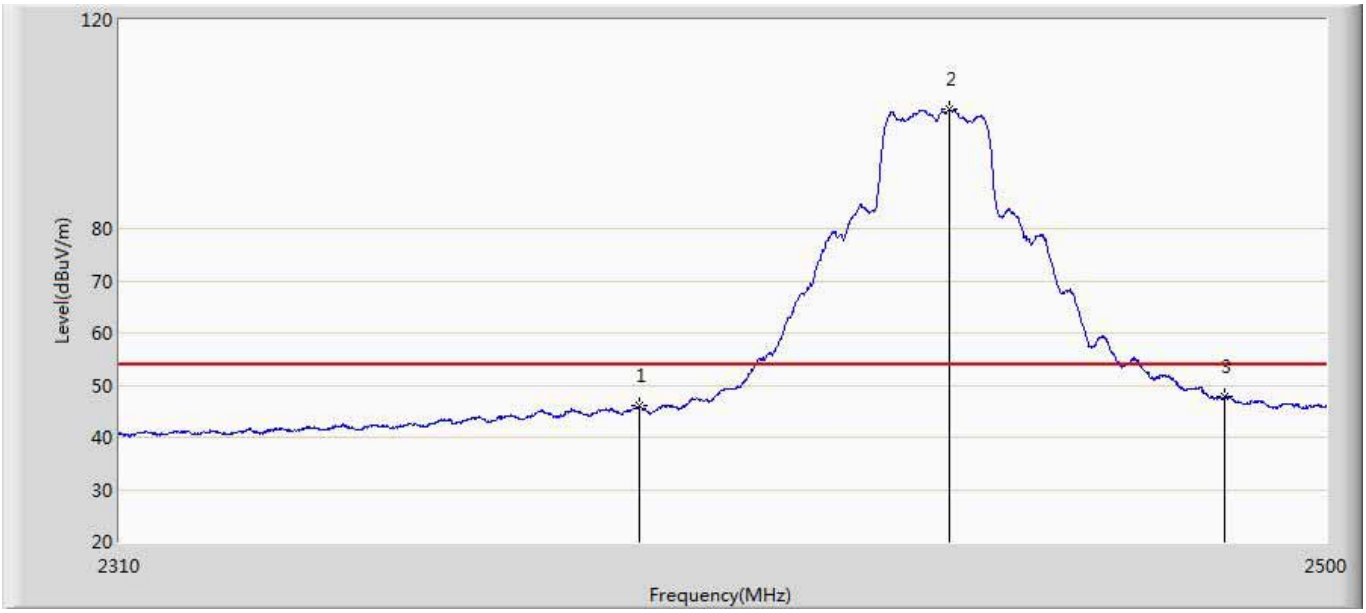
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	44.741	8.411	-9.259	54.000	36.329	AV
2	*	2421.081	101.629	65.142	47.629	54.000	36.487	AV

Site: AC5	Time: 2017/04/08 - 11:35
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: 300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 2422MHz by 802.11G	



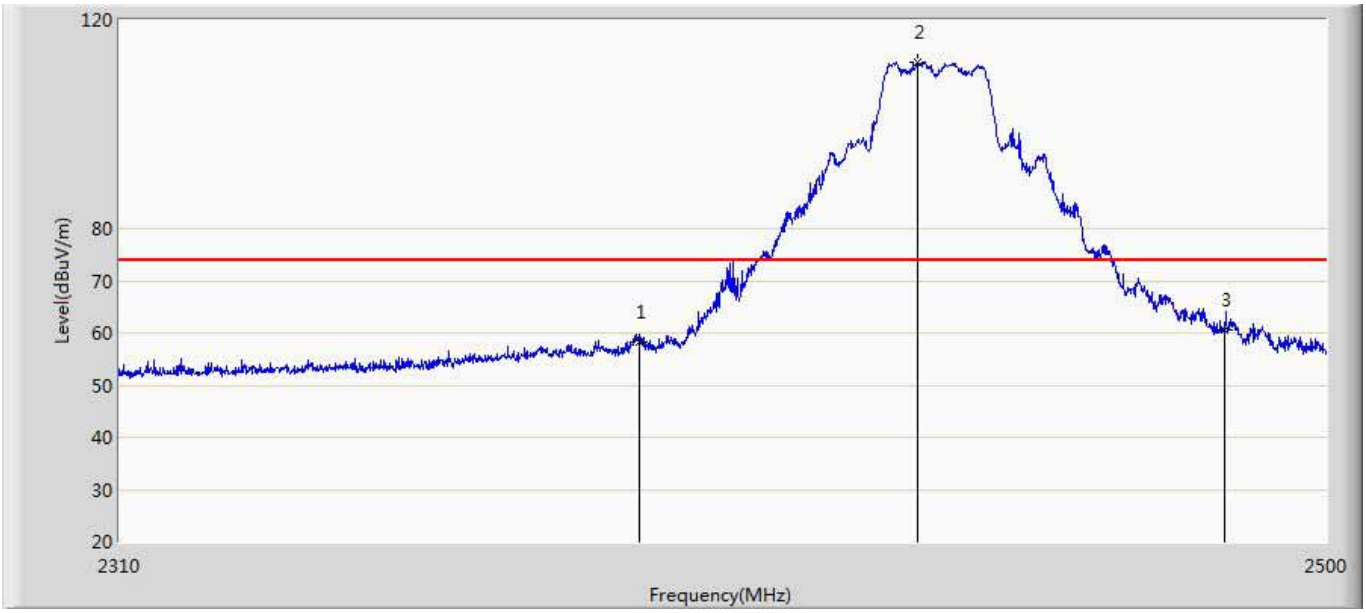
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2389.666	63.936	27.607	-10.064	74.000	36.330	PK
2		2390.000	56.580	20.250	-17.420	74.000	36.329	PK
3	*	2418.275	110.283	73.840	36.283	74.000	36.443	PK

Site: AC5	Time: 2017/03/18 - 11:01
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 2437MHz by 802.11G	



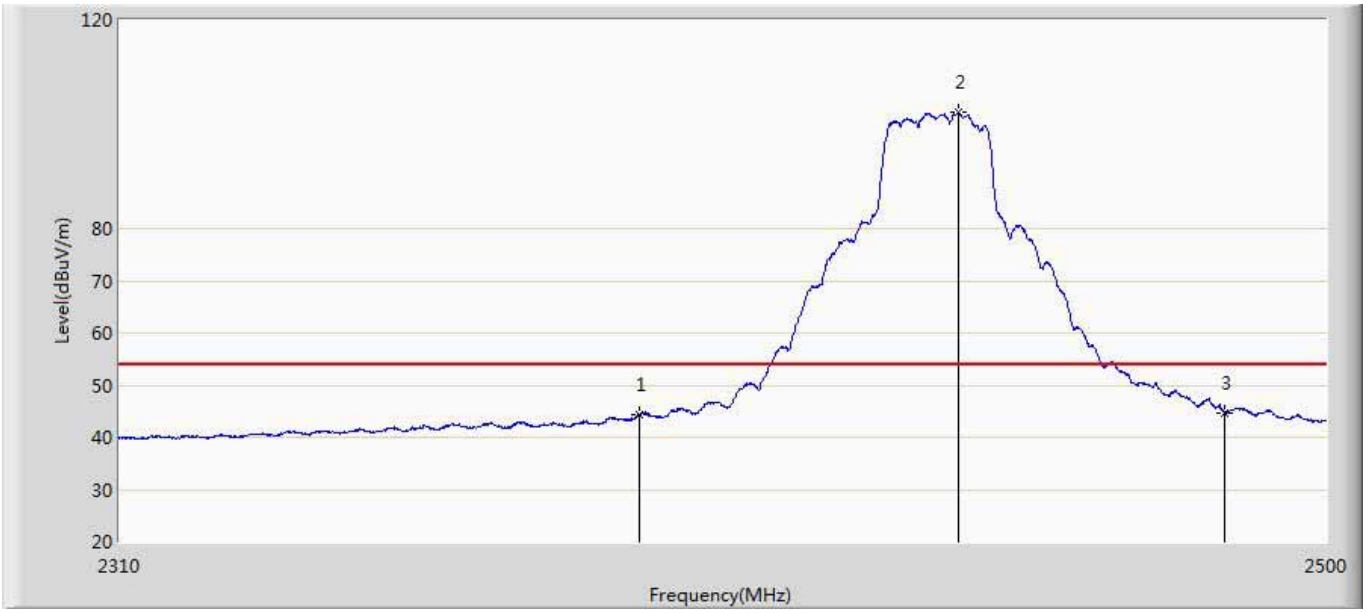
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	45.961	9.631	-8.039	54.000	36.329	AV
2	*	2439.105	102.773	66.375	48.773	54.000	36.398	AV
3		2483.500	47.697	11.230	-6.303	54.000	36.467	AV

Site: AC5	Time: 2017/03/18 - 11:03
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 2437MHz by 802.11G	



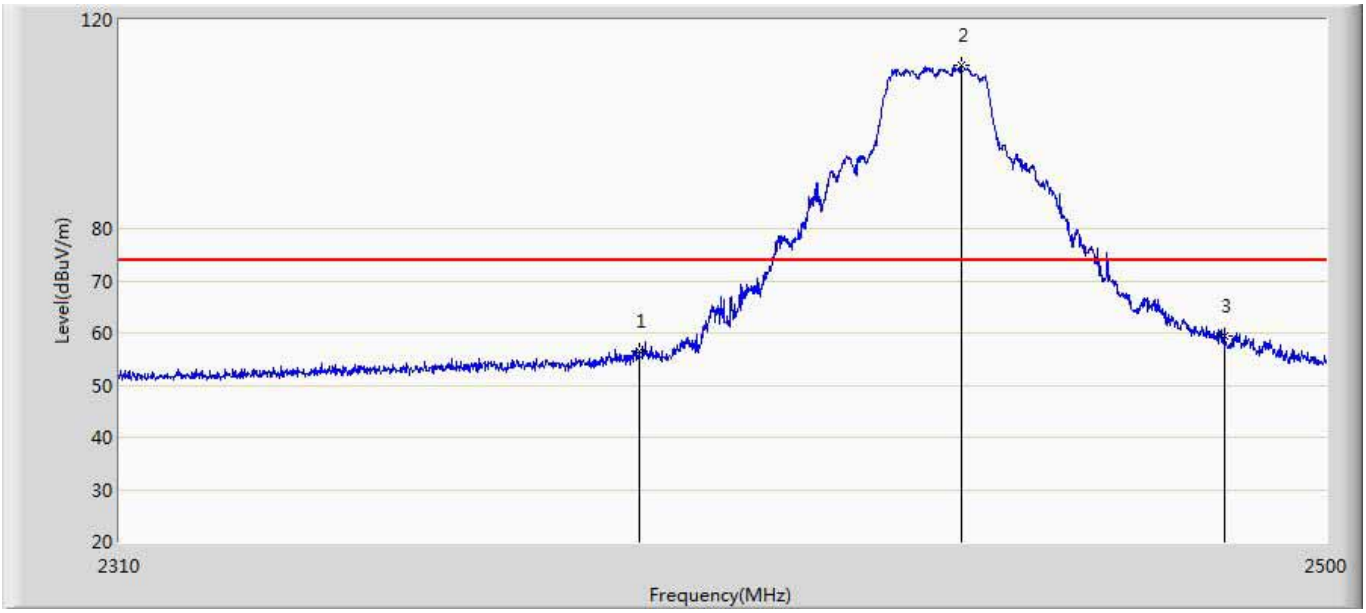
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	58.294	21.964	-15.706	74.000	36.329	PK
2	*	2433.975	111.984	75.494	37.984	74.000	36.490	PK
3		2483.500	60.492	24.025	-13.508	74.000	36.467	PK

Site: AC5	Time: 2017/03/18 - 11:08
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 2437MHz by 802.11G	



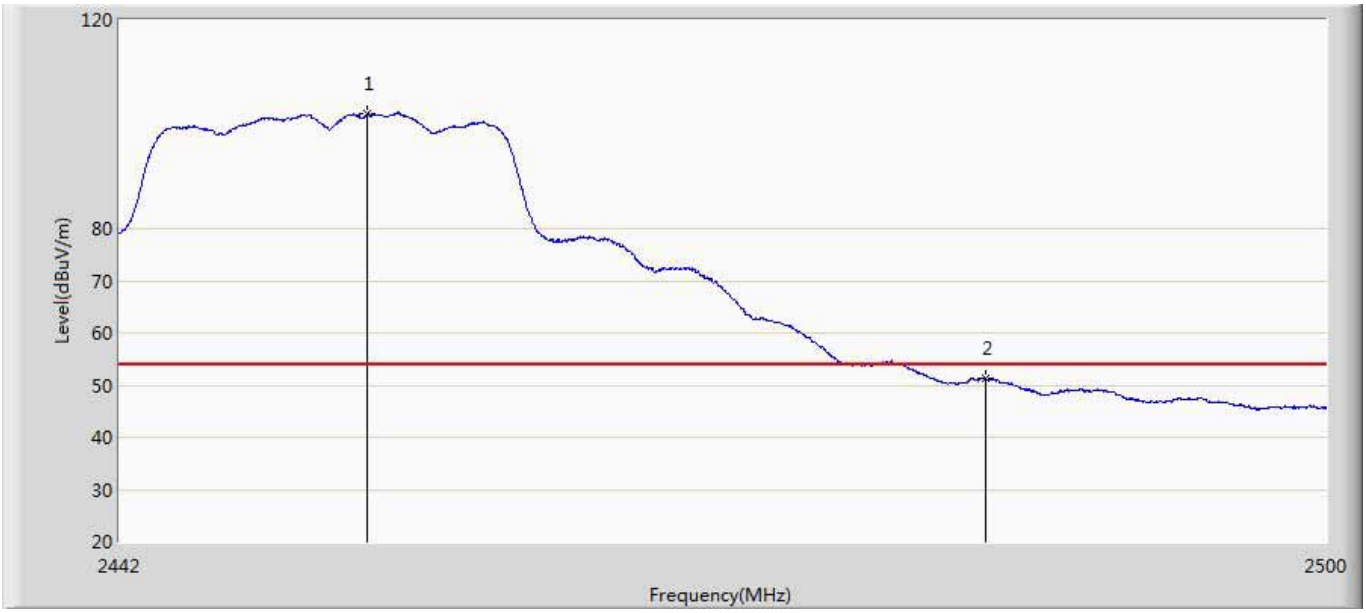
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	44.279	7.949	-9.721	54.000	36.329	AV
2	*	2440.625	102.388	66.017	48.388	54.000	36.371	AV
3		2483.500	44.694	8.227	-9.306	54.000	36.467	AV

Site: AC5	Time: 2017/03/18 - 11:10
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 2437MHz by 802.11G	



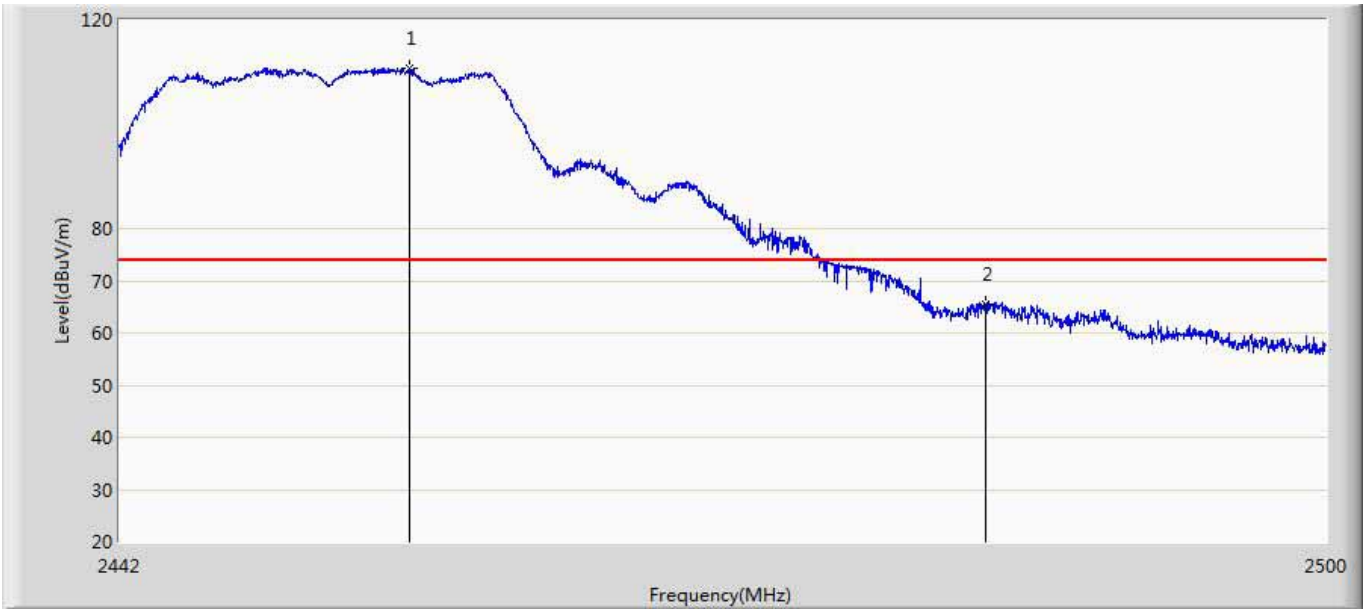
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	56.475	20.145	-17.525	74.000	36.329	PK
2	*	2440.910	111.313	74.947	37.313	74.000	36.366	PK
3		2483.500	59.276	22.809	-14.724	74.000	36.467	PK

Site: AC5	Time: 2017/04/08 - 11:39
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: 300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 2452MHz by 802.11G	



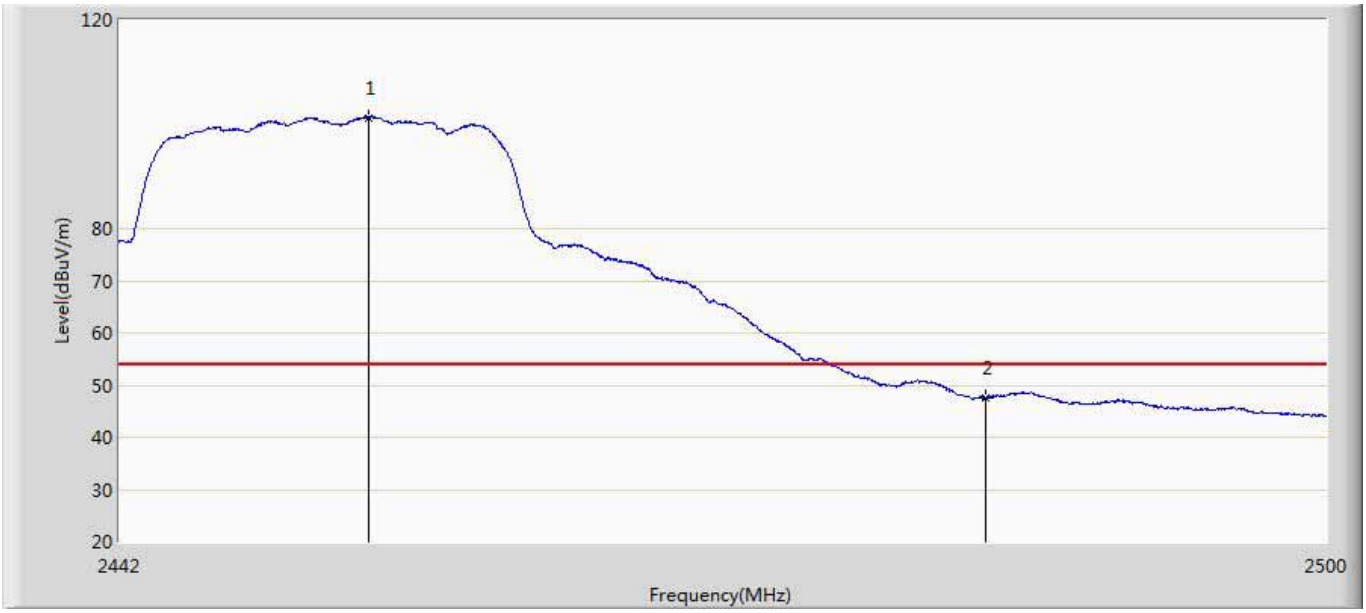
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2453.832	101.917	65.449	47.917	54.000	36.467	AV
2		2483.500	51.304	14.837	-2.696	54.000	36.467	AV

Site: AC5	Time: 2017/04/08 - 11:42
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: 300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 2452MHz by 802.11G	



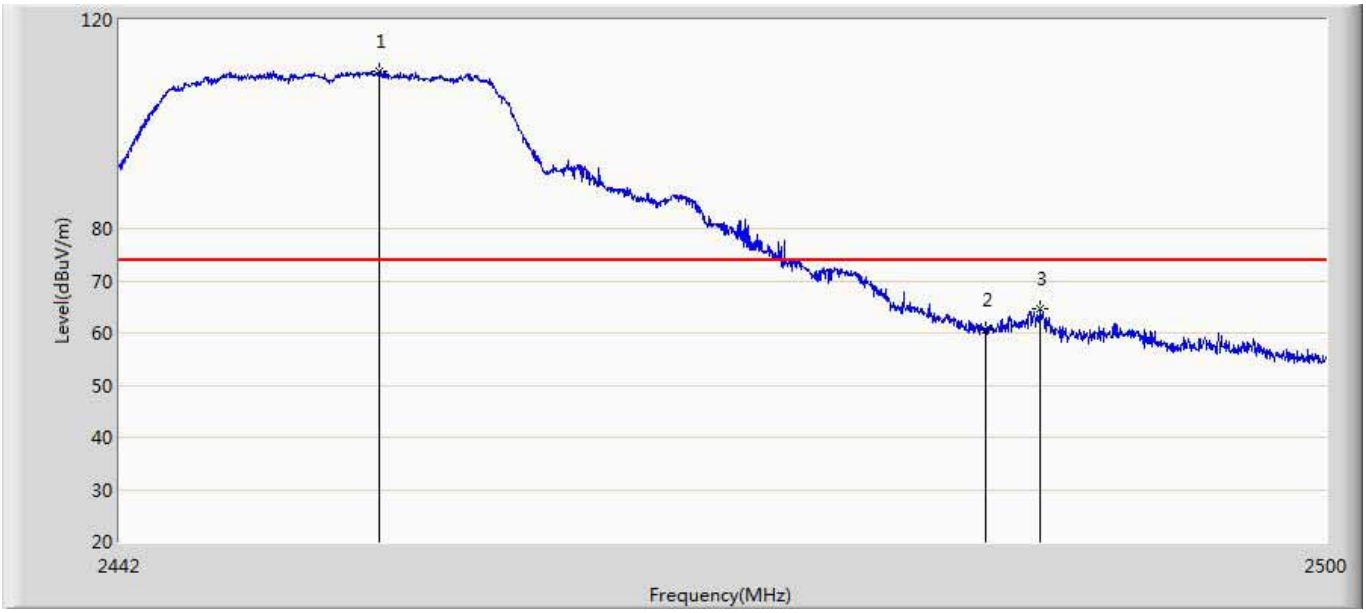
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2455.862	110.770	74.262	36.770	74.000	36.508	PK
2		2483.500	65.603	29.136	-8.397	74.000	36.467	PK

Site: AC5	Time: 2017/04/08 - 11:44
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: 300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 2452MHz by 802.11G	



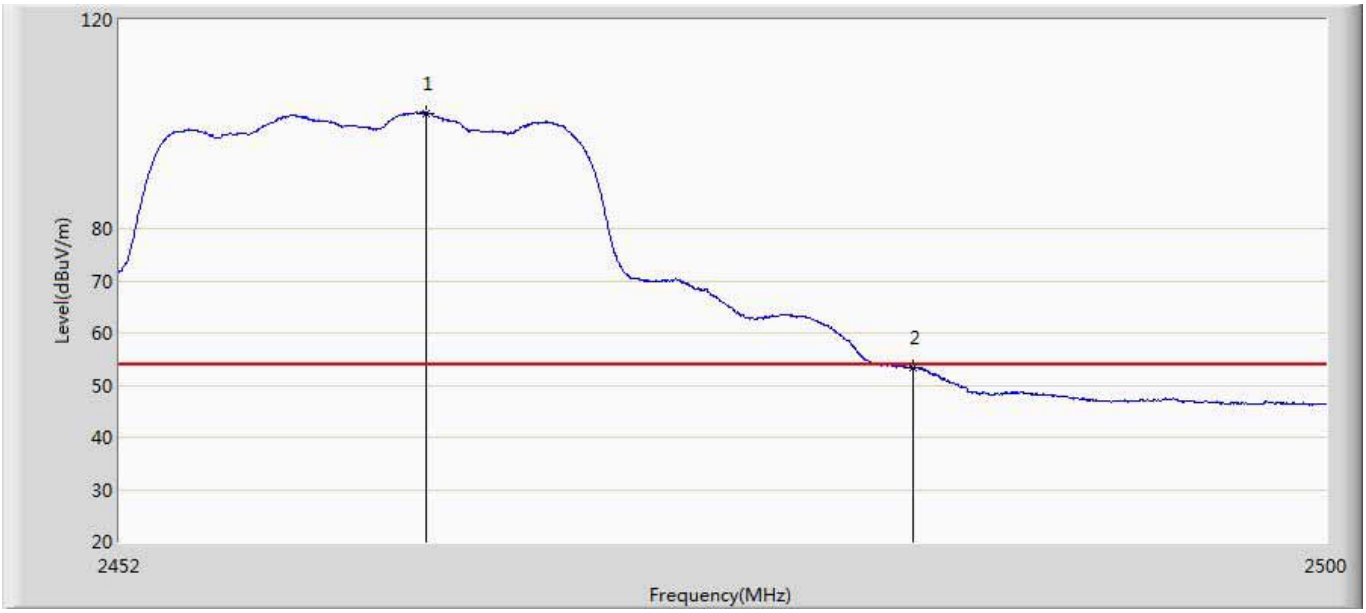
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2453.861	101.271	64.803	47.271	54.000	36.468	AV
2		2483.500	47.511	11.044	-6.489	54.000	36.467	AV

Site: AC5	Time: 2017/04/08 - 11:46
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: 300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 2452MHz by 802.11G	



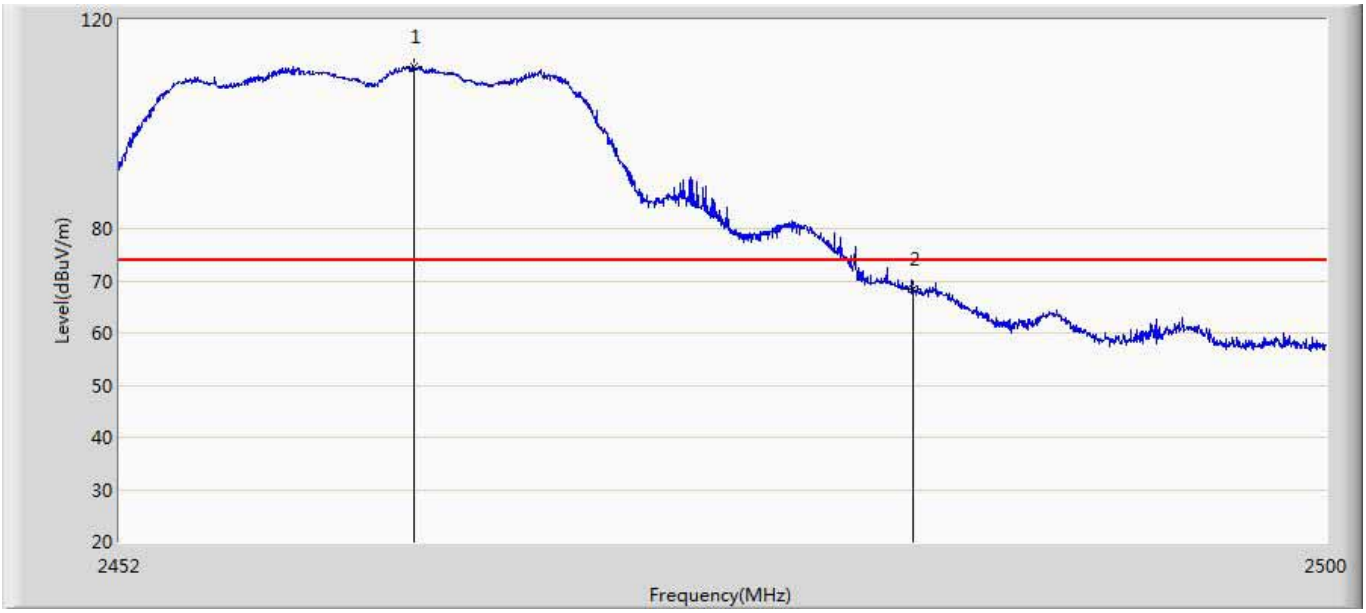
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2454.354	110.013	73.535	36.013	74.000	36.478	PK
2		2483.500	60.647	24.180	-13.353	74.000	36.467	PK
3		2486.167	64.635	28.128	-9.365	74.000	36.506	PK

Site: AC5	Time: 2017/03/18 - 11:12
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 2462MHz by 802.11G	



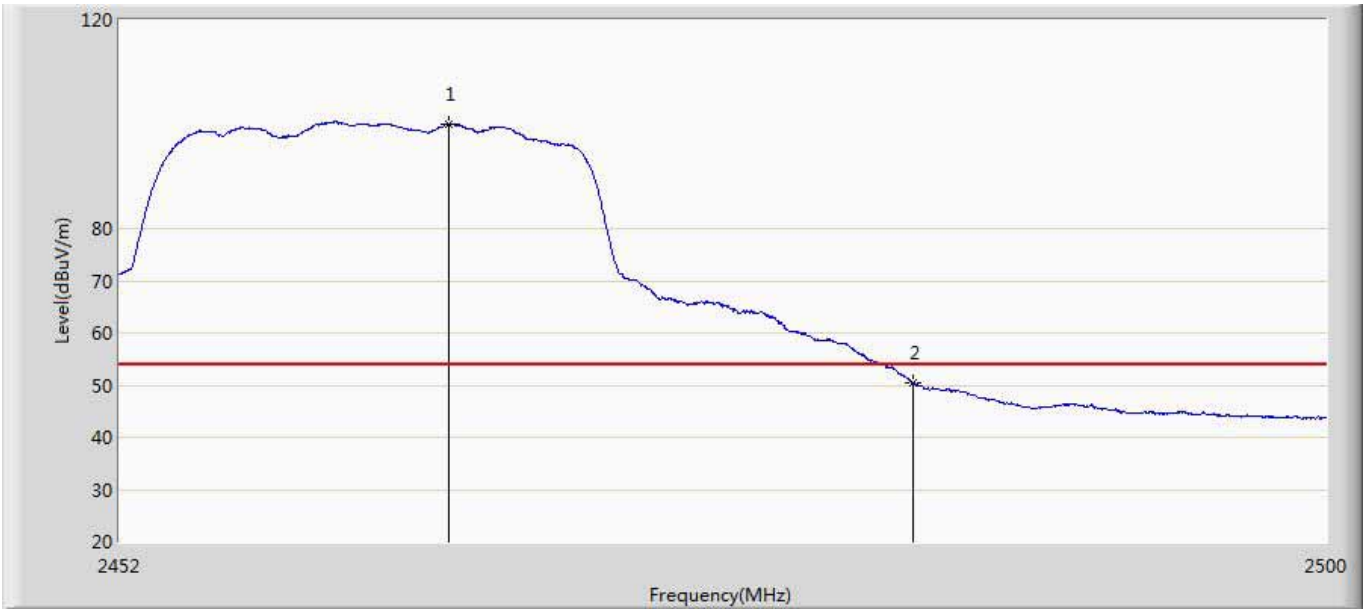
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2464.096	102.166	65.565	48.166	54.000	36.601	AV
2		2483.500	53.319	16.852	-0.681	54.000	36.467	AV

Site: AC5	Time: 2017/03/18 - 11:17
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 2462MHz by 802.11G	



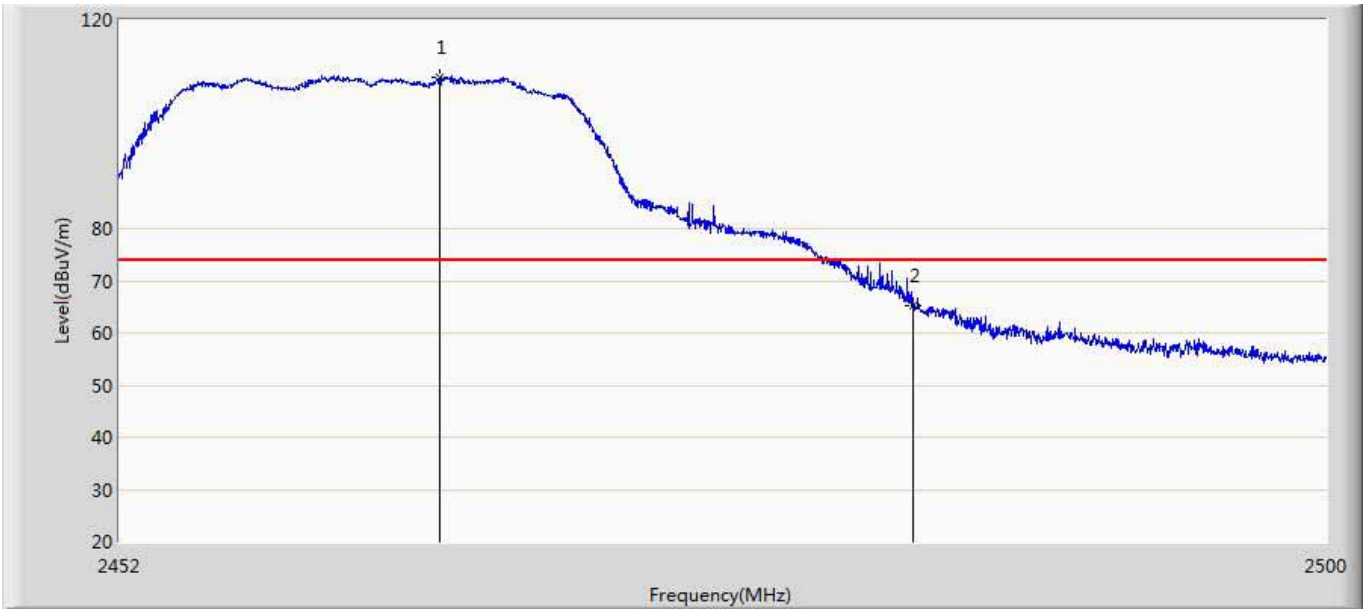
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2463.640	110.922	74.315	36.922	74.000	36.607	PK
2		2483.500	68.348	31.881	-5.652	74.000	36.467	PK

Site: AC5	Time: 2017/03/18 - 11:19
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 2462MHz by 802.11G	



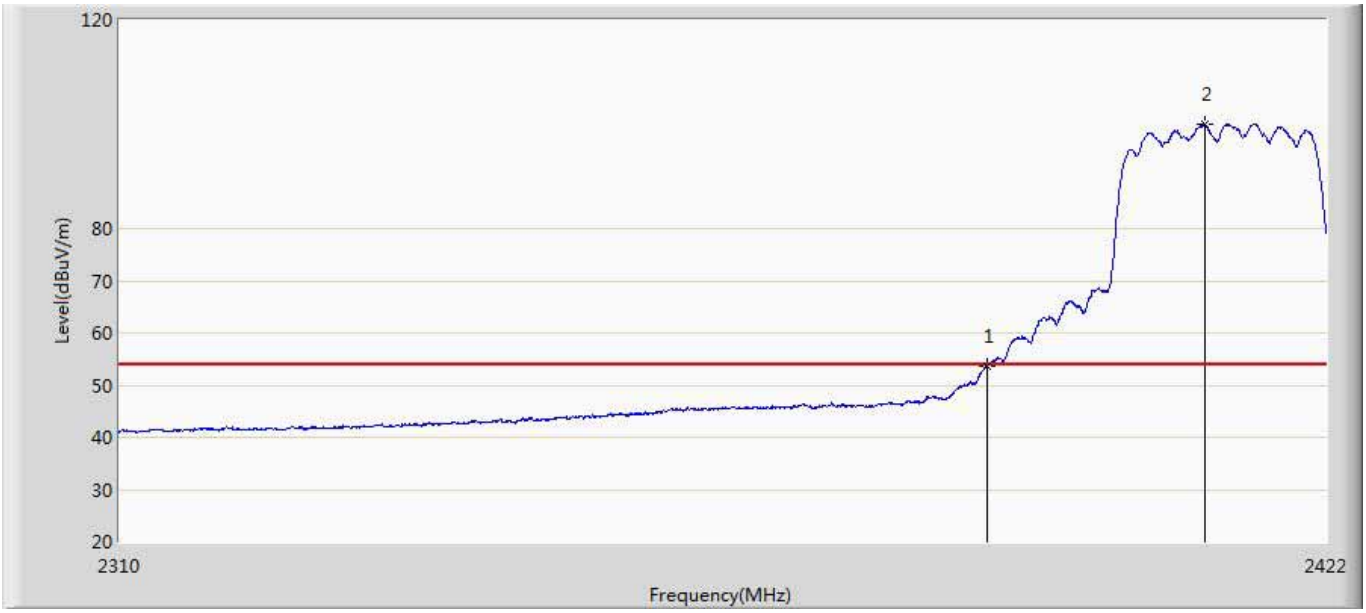
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2465.032	100.031	63.443	46.031	54.000	36.588	AV
2		2483.500	50.341	13.874	-3.659	54.000	36.467	AV

Site: AC5	Time: 2017/03/18 - 11:21
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 2462MHz by 802.11G	



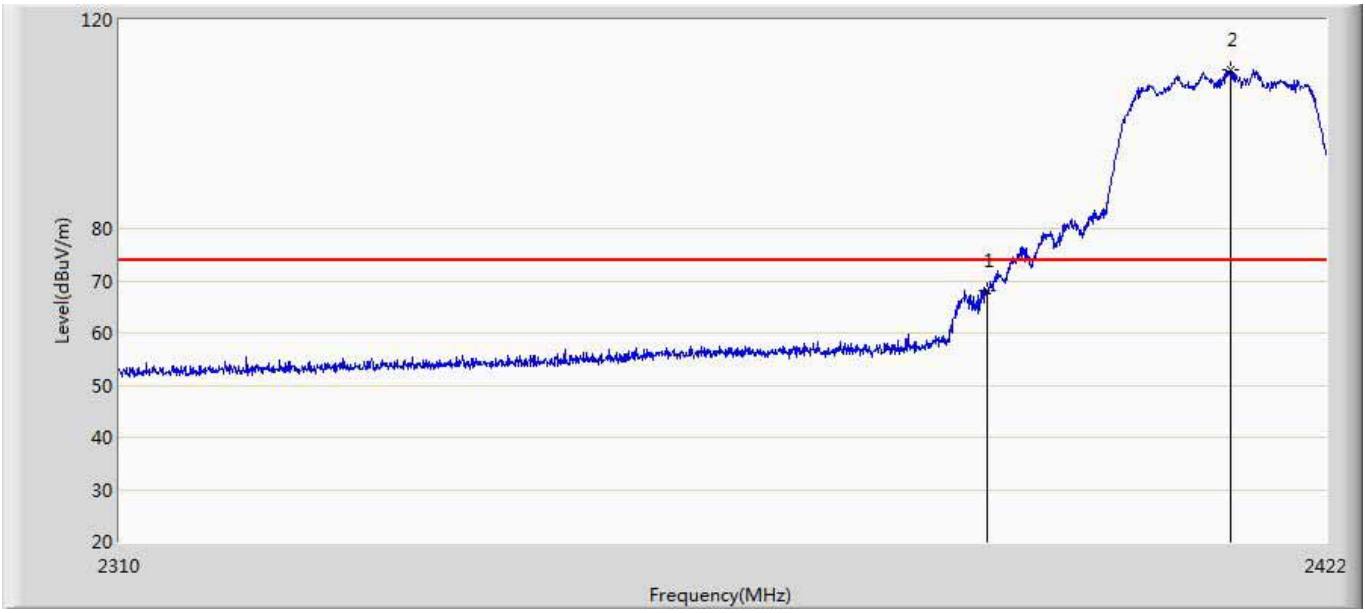
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2464.648	109.010	72.417	35.010	74.000	36.593	PK
2		2483.500	65.193	28.726	-8.807	74.000	36.467	PK

Site: AC5	Time: 2017/03/18 - 18:09
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2412MHz by 802.11N20	



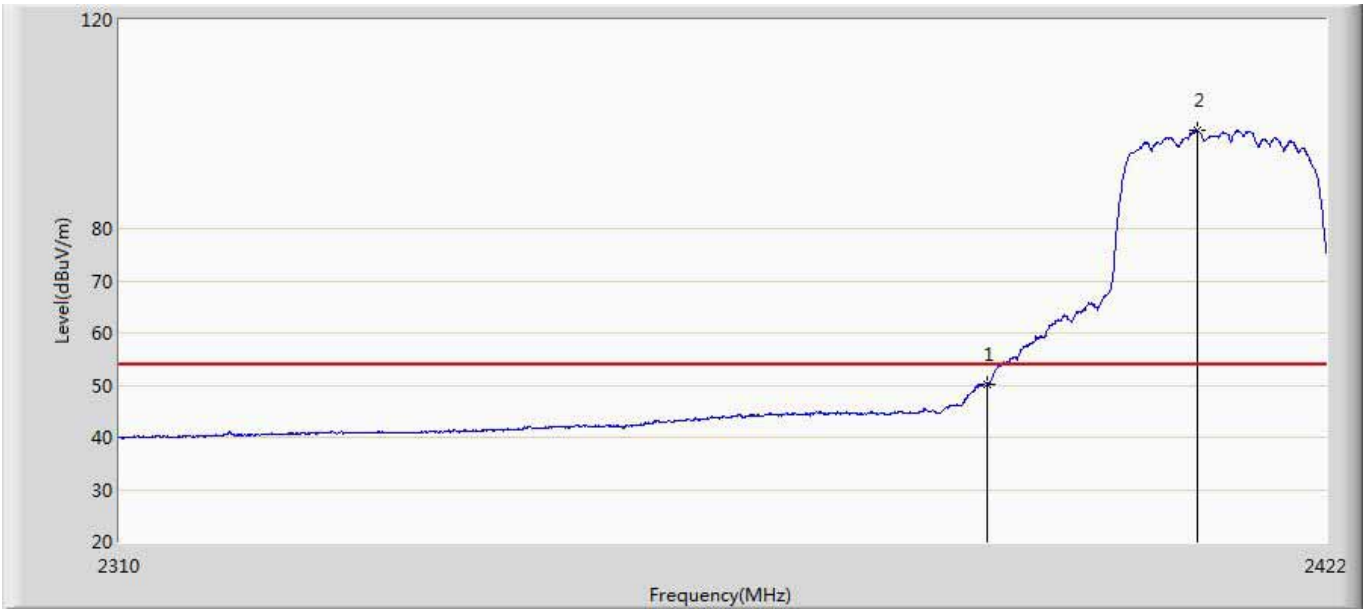
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	53.750	17.420	-0.250	54.000	36.329	AV
2	*	2410.576	99.995	63.668	45.995	54.000	36.328	AV

Site: AC5	Time: 2017/03/18 - 18:15
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2412MHz by 802.11N20	



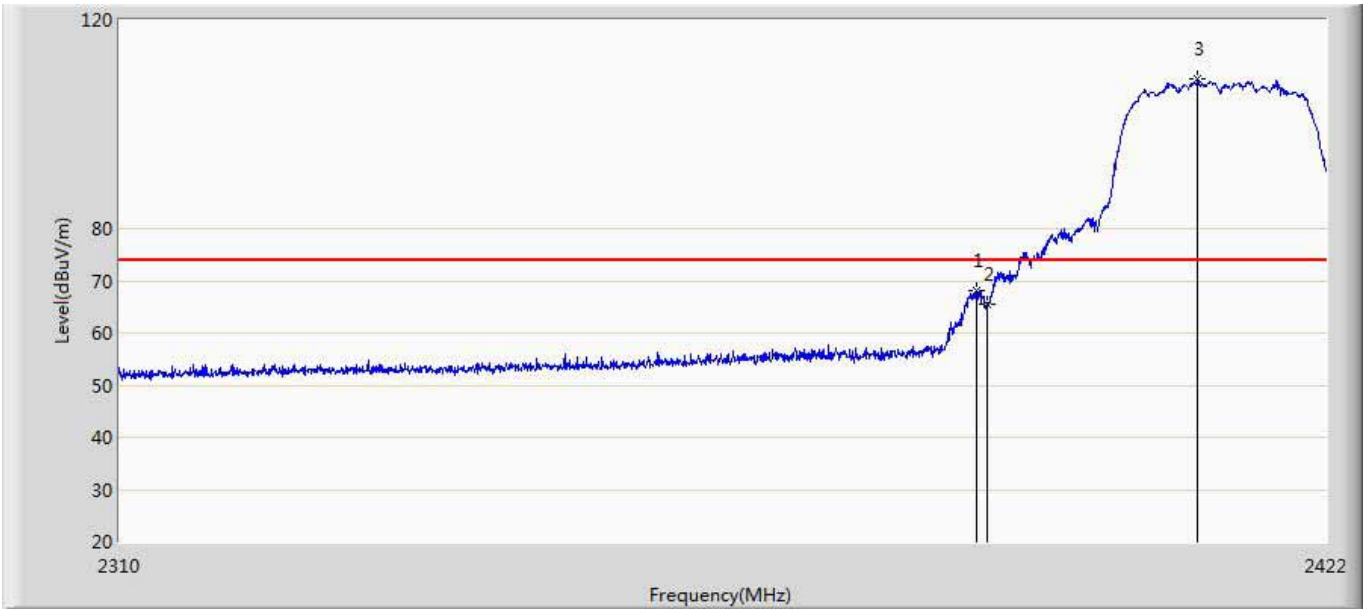
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	68.113	31.783	-5.887	74.000	36.329	PK
2	*	2412.984	110.375	74.016	36.375	74.000	36.358	PK

Site: AC5	Time: 2017/03/18 - 18:17
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2412MHz by 802.11N20	



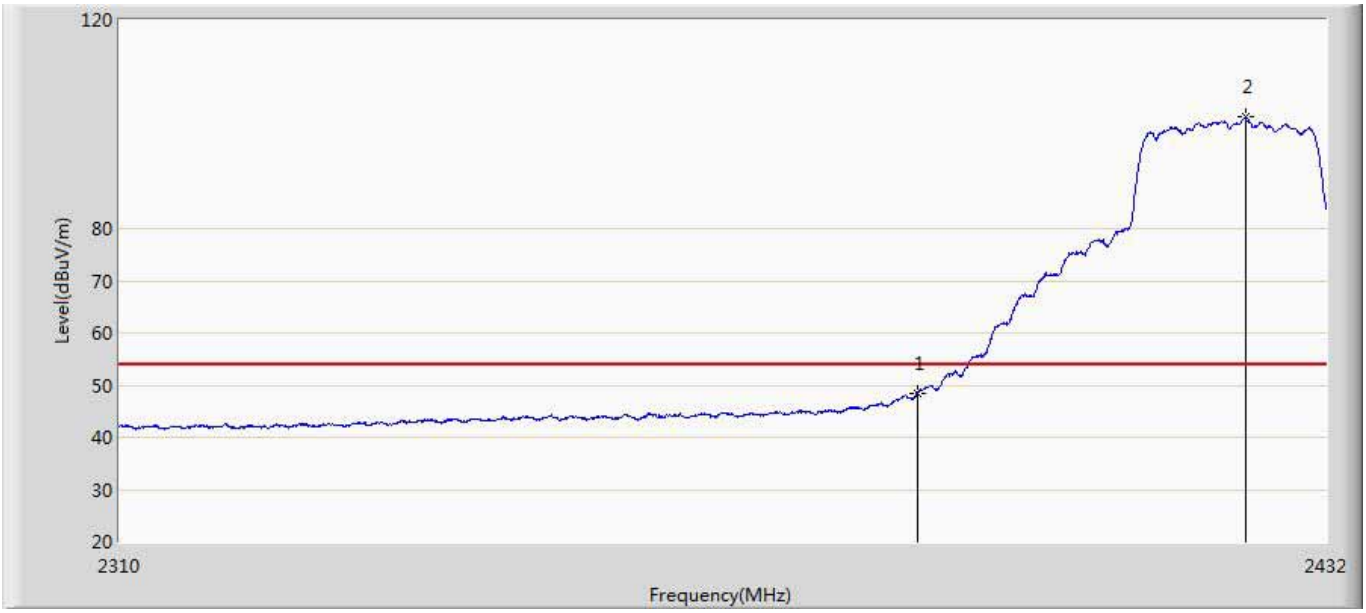
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	50.242	13.912	-3.758	54.000	36.329	AV
2	*	2409.792	98.875	62.548	44.875	54.000	36.328	AV

Site: AC5	Time: 2017/03/18 - 18:30
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2412MHz by 802.11N20	



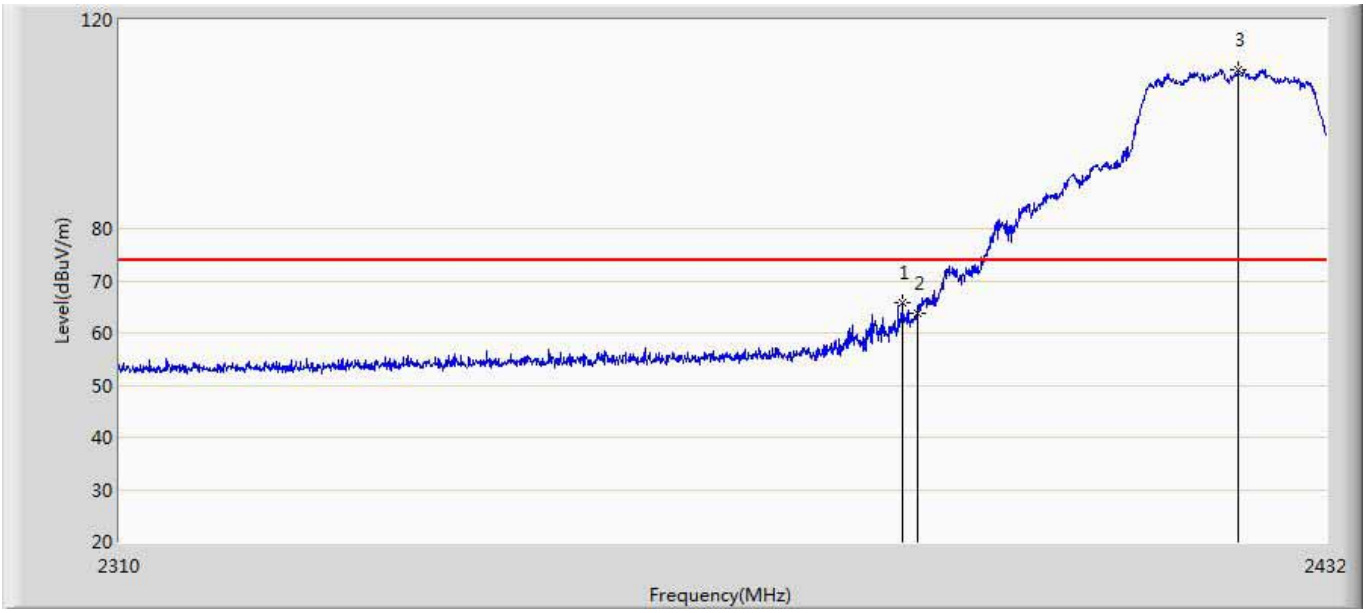
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2389.016	68.108	31.779	-5.892	74.000	36.330	PK
2		2390.000	65.469	29.139	-8.531	74.000	36.329	PK
3	*	2409.848	108.742	72.415	34.742	74.000	36.328	PK

Site: AC5	Time: 2017/04/08 - 12:11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: 300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2422MHz by 802.11N20	



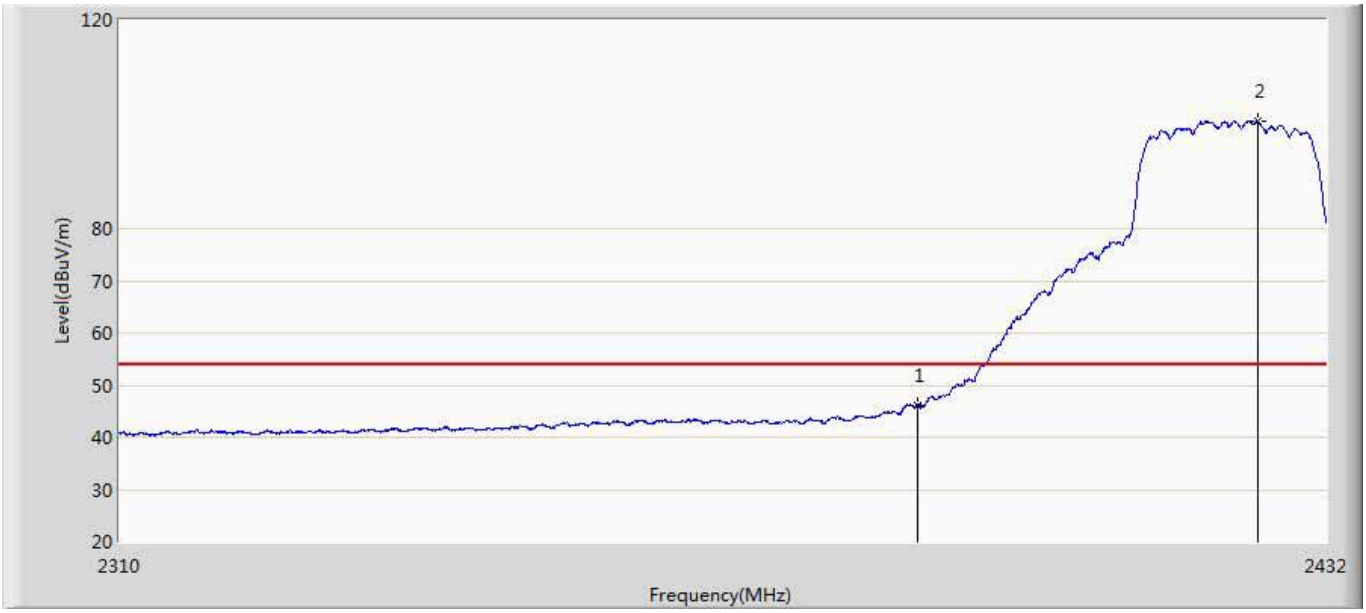
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	48.487	12.157	-5.513	54.000	36.329	AV
2	*	2423.704	101.485	64.956	47.485	54.000	36.529	AV

Site: AC5	Time: 2017/04/08 - 12:15
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: 300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2422MHz by 802.11N20	



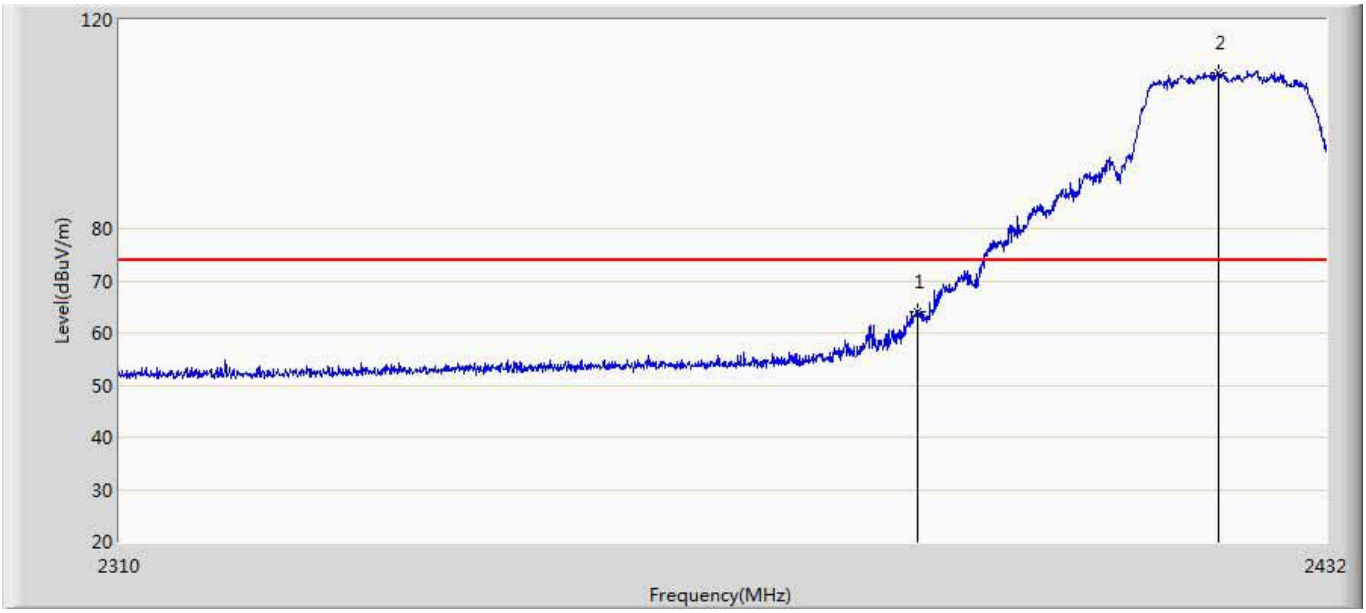
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2388.446	65.832	29.503	-8.168	74.000	36.329	PK
2		2390.000	63.805	27.475	-10.195	74.000	36.329	PK
3	*	2422.911	110.419	73.903	36.419	74.000	36.516	PK

Site: AC5	Time: 2017/04/08 - 12:20
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: 300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2422MHz by 802.11N20	



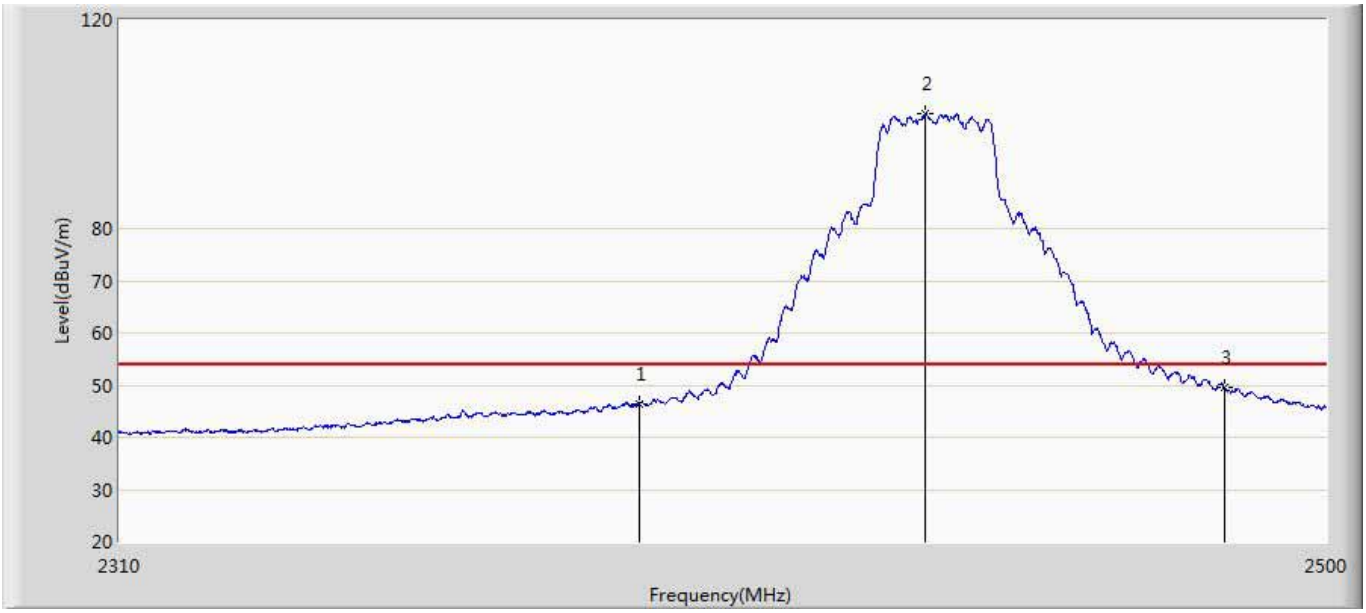
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	46.097	9.767	-7.903	54.000	36.329	AV
2	*	2424.924	100.664	64.116	46.664	54.000	36.548	AV

Site: AC5	Time: 2017/04/08 - 12:24
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: 300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2422MHz by 802.11N20	



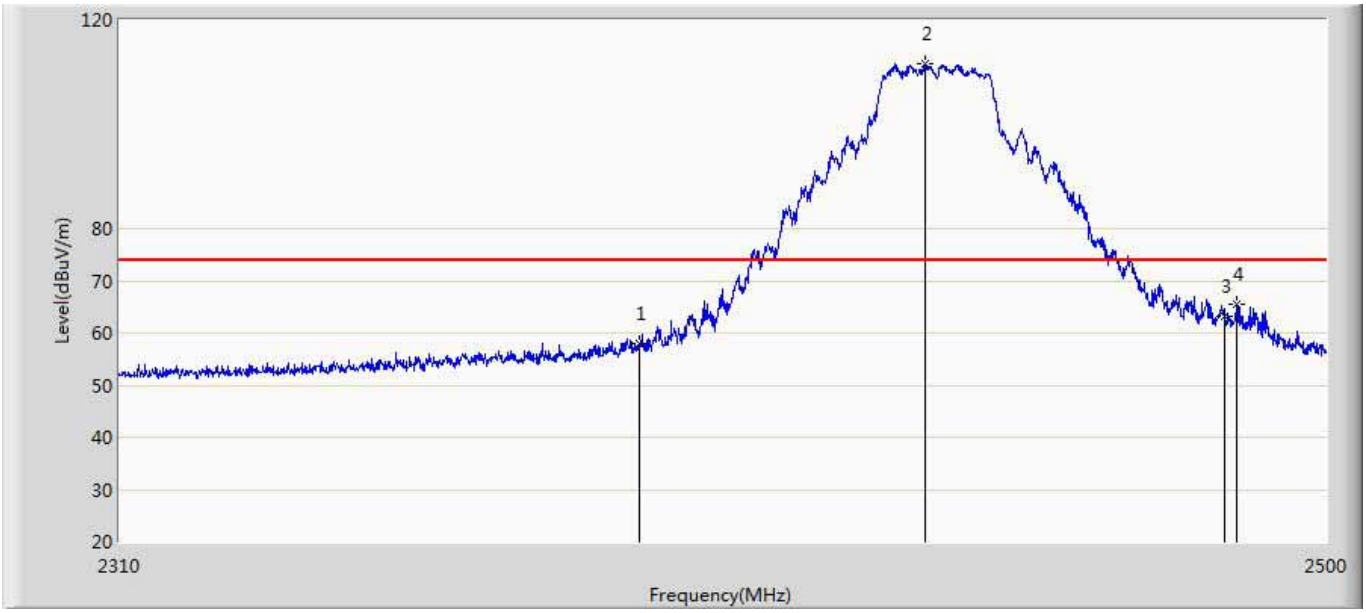
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	64.161	27.831	-9.839	74.000	36.329	PK
2	*	2420.837	109.986	73.503	35.986	74.000	36.483	PK

Site: AC5	Time: 2017/03/18 - 18:33
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2437MHz by 802.11N20	



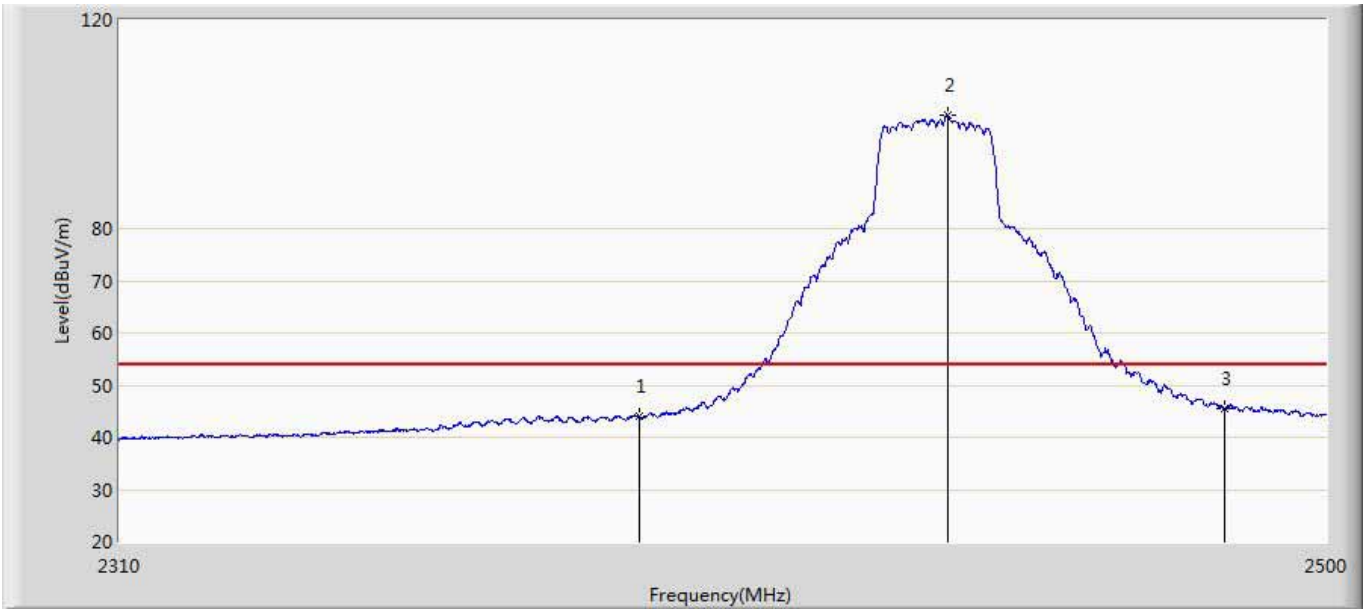
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	46.442	10.112	-7.558	54.000	36.329	AV
2	*	2435.210	101.937	65.469	47.937	54.000	36.468	AV
3		2483.500	49.585	13.118	-4.415	54.000	36.467	AV

Site: AC5	Time: 2017/03/18 - 18:45
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2437MHz by 802.11N20	



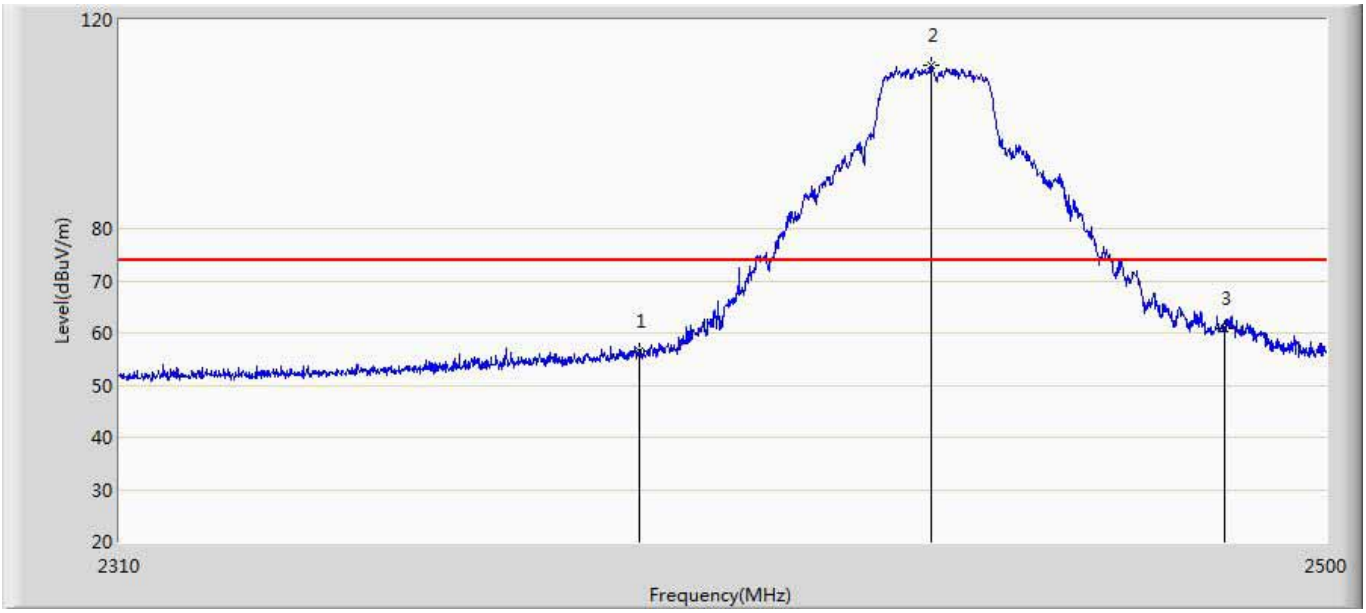
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	57.896	21.566	-16.104	74.000	36.329	PK
2	*	2435.210	111.727	75.259	37.727	74.000	36.468	PK
3		2483.500	63.308	26.841	-10.692	74.000	36.467	PK
4		2485.465	65.628	29.132	-8.372	74.000	36.497	PK

Site: AC5	Time: 2017/03/18 - 18:47
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2437MHz by 802.11N20	



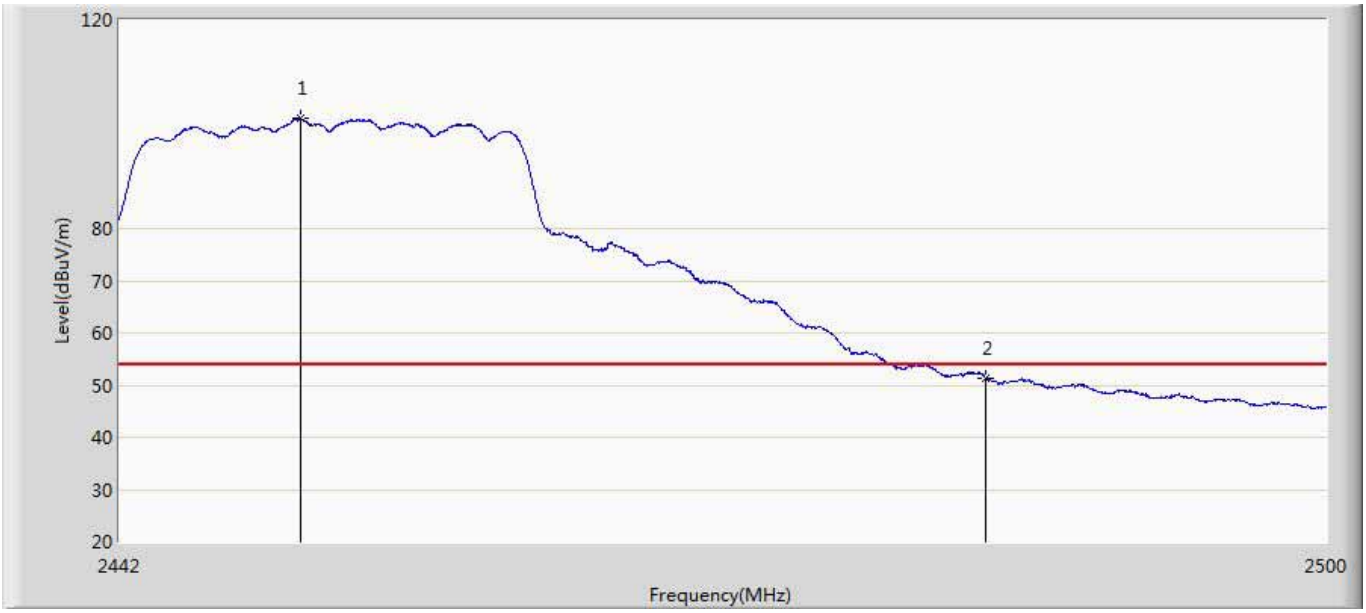
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	44.073	7.743	-9.927	54.000	36.329	AV
2	*	2438.820	101.612	65.208	47.612	54.000	36.404	AV
3		2483.500	45.445	8.978	-8.555	54.000	36.467	AV

Site: AC5	Time: 2017/03/18 - 18:49
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2437MHz by 802.11N20	



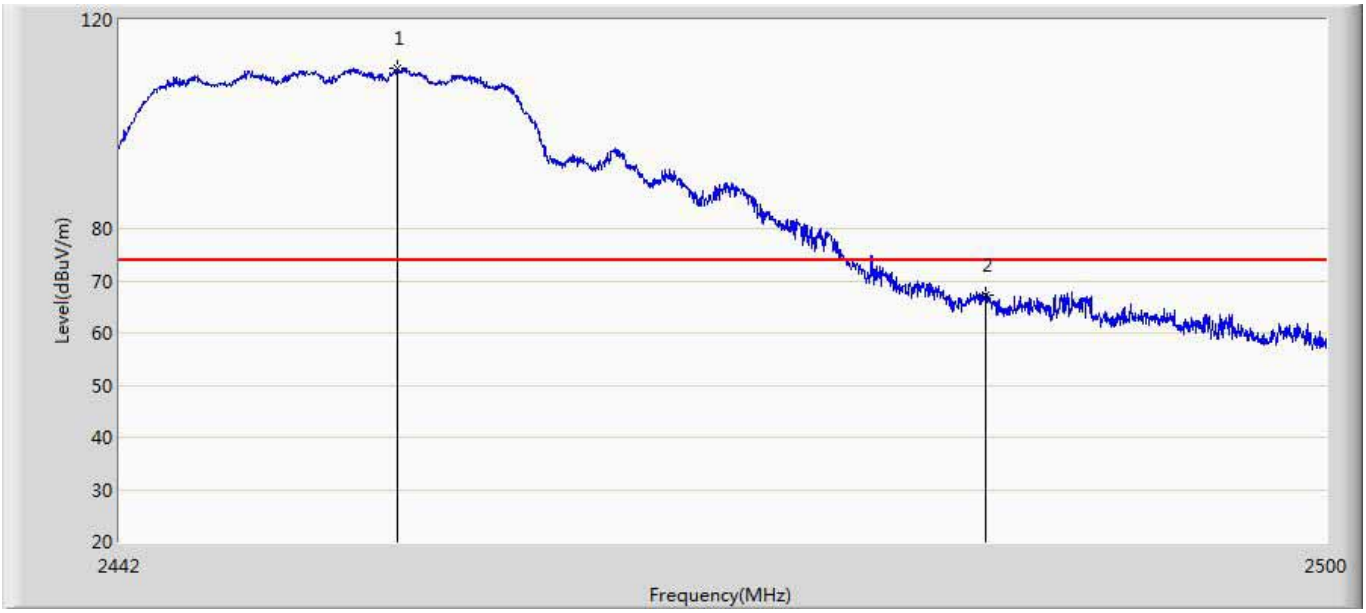
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	56.648	20.318	-17.352	74.000	36.329	PK
2	*	2436.160	111.261	74.810	37.261	74.000	36.451	PK
3		2483.500	60.885	24.418	-13.115	74.000	36.467	PK

Site: AC5	Time: 2017/04/08 - 12:27
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: 300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2452MHz by 802.11N20	



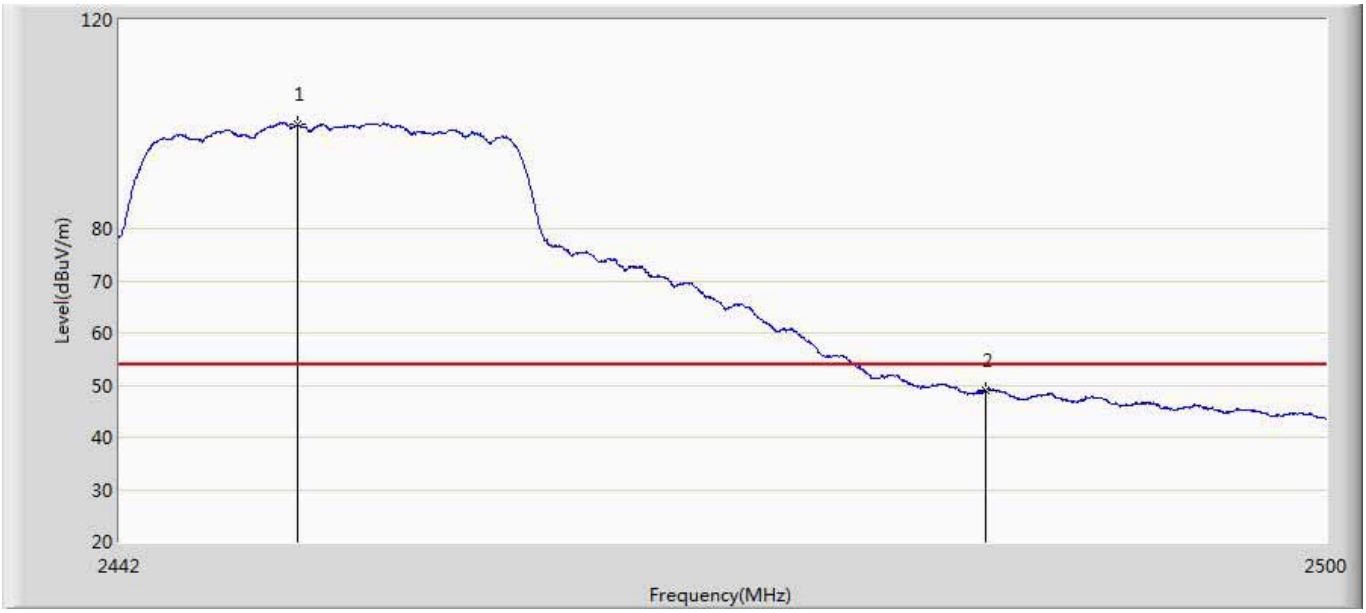
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2450.642	101.267	64.862	47.267	54.000	36.405	AV
2		2483.500	51.419	14.952	-2.581	54.000	36.467	AV

Site: AC5	Time: 2017/04/08 - 12:30
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: 300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2452MHz by 802.11N20	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2455.224	110.865	74.370	36.865	74.000	36.495	PK
2		2483.500	67.210	30.743	-6.790	74.000	36.467	PK

Site: AC5	Time: 2017/04/08 - 12:34
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: 300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2452MHz by 802.11N20	

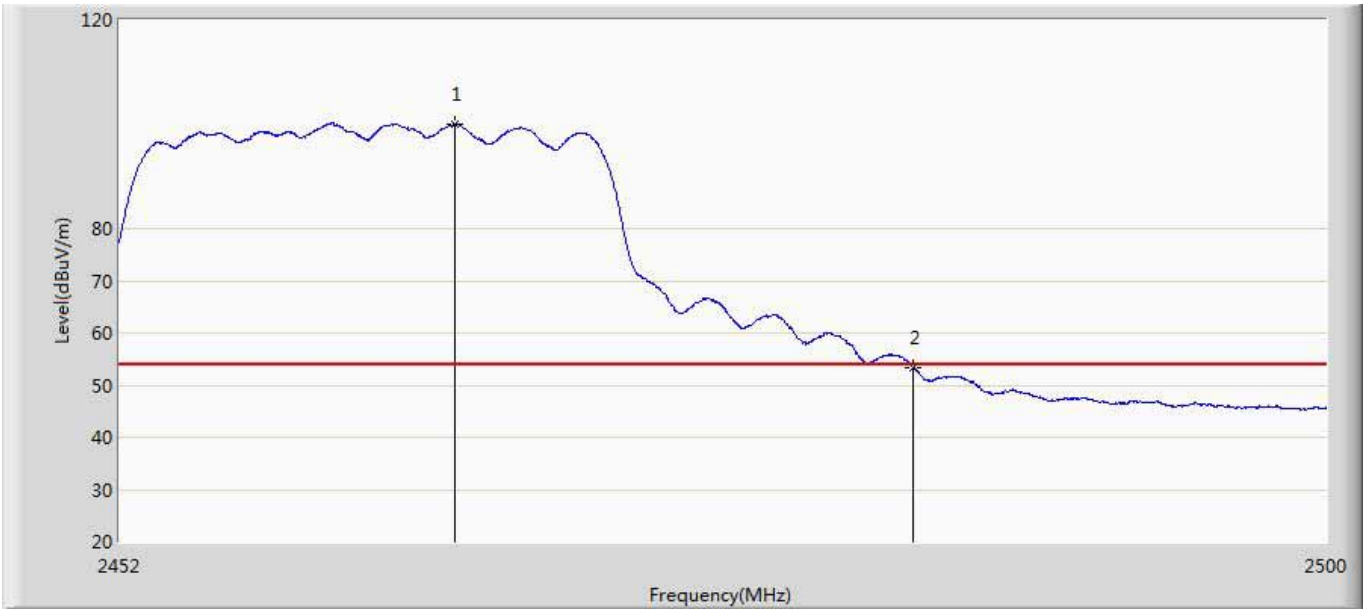


No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2450.497	99.987	63.585	45.987	54.000	36.401	AV
2		2483.500	48.994	12.527	-5.006	54.000	36.467	AV

Site: AC5	Time: 2017/04/08 - 12:36
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: 300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2452MHz by 802.11N20	

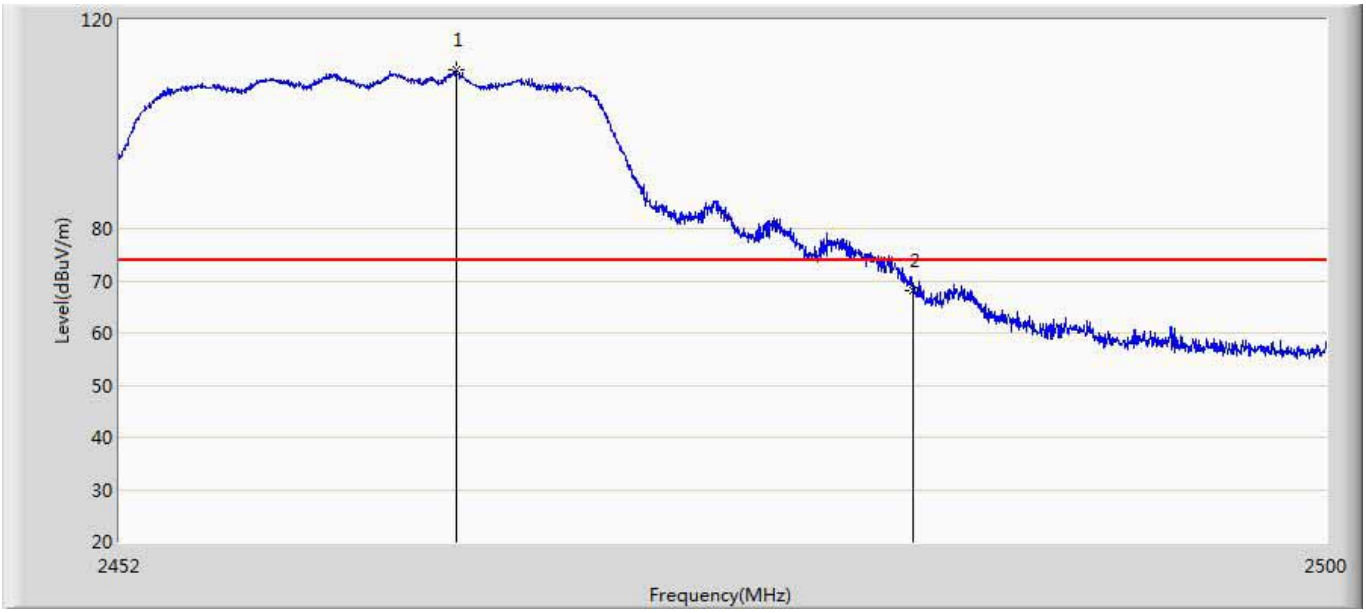
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2452.875	109.875	73.426	35.875	74.000	36.448	PK
2		2483.500	63.876	27.409	-10.124	74.000	36.467	PK

Site: AC5	Time: 2017/03/18 - 19:13
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2462MHz by 802.11N20	



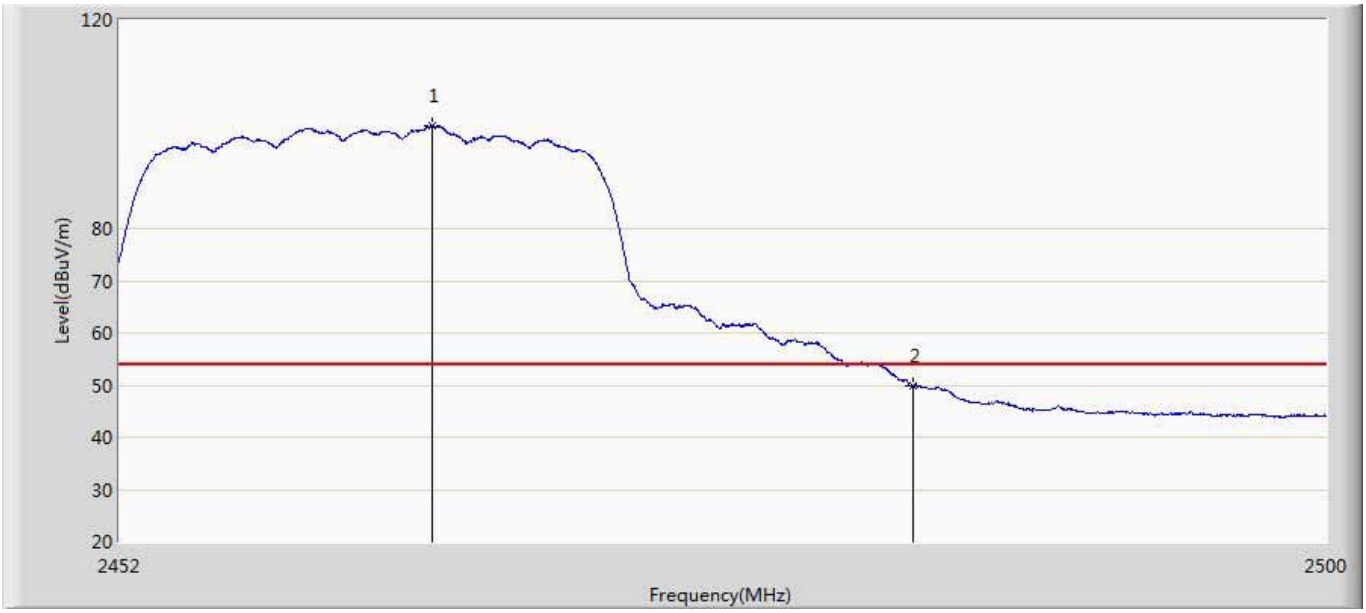
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2465.248	100.053	63.468	46.053	54.000	36.585	AV
2		2483.500	53.365	16.898	-0.635	54.000	36.467	AV

Site: AC5	Time: 2017/03/18 - 19:15
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2462MHz by 802.11N20	



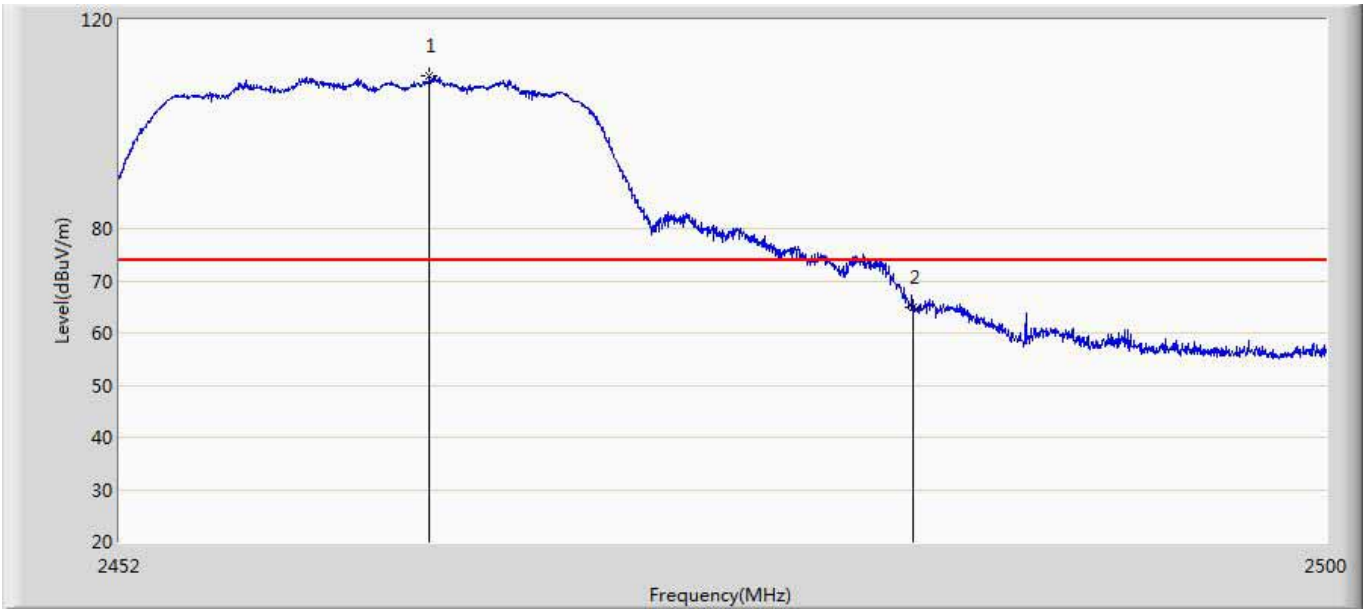
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2465.296	110.299	73.714	36.299	74.000	36.585	PK
2		2483.500	68.114	31.647	-5.886	74.000	36.467	PK

Site: AC5	Time: 2017/03/18 - 19:17
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2462MHz by 802.11N20	



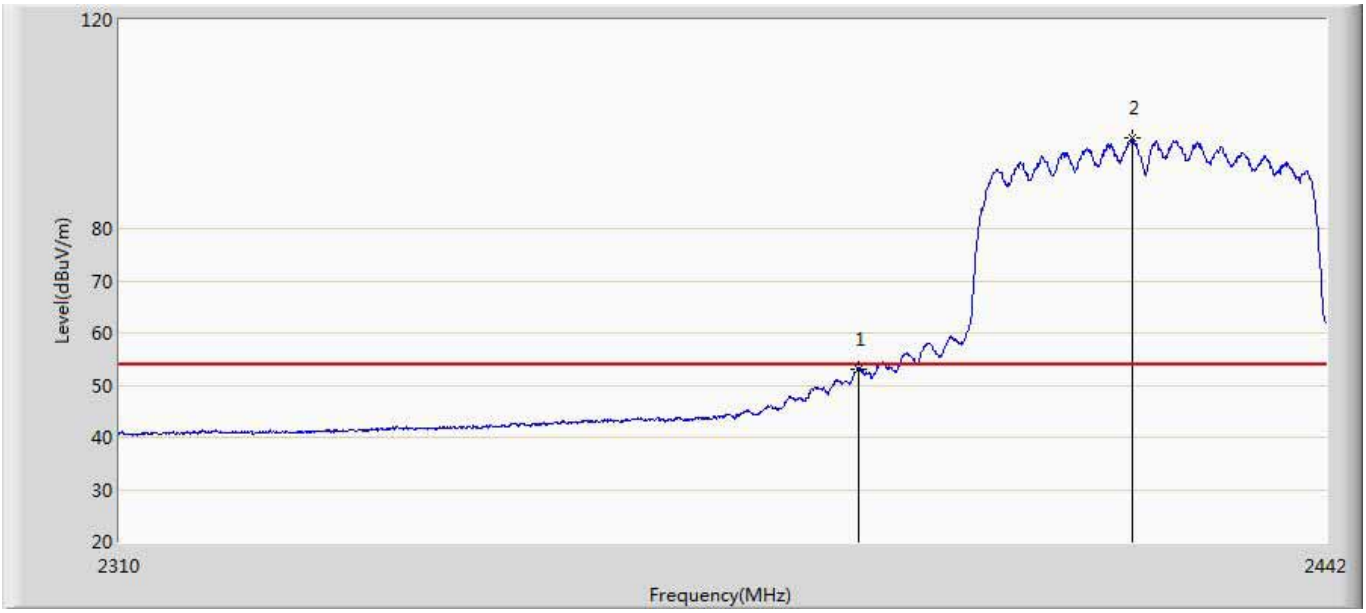
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2464.360	99.722	63.125	45.722	54.000	36.597	AV
2		2483.500	49.986	13.519	-4.014	54.000	36.467	AV

Site: AC5	Time: 2017/03/18 - 19:19
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2462MHz by 802.11N20	



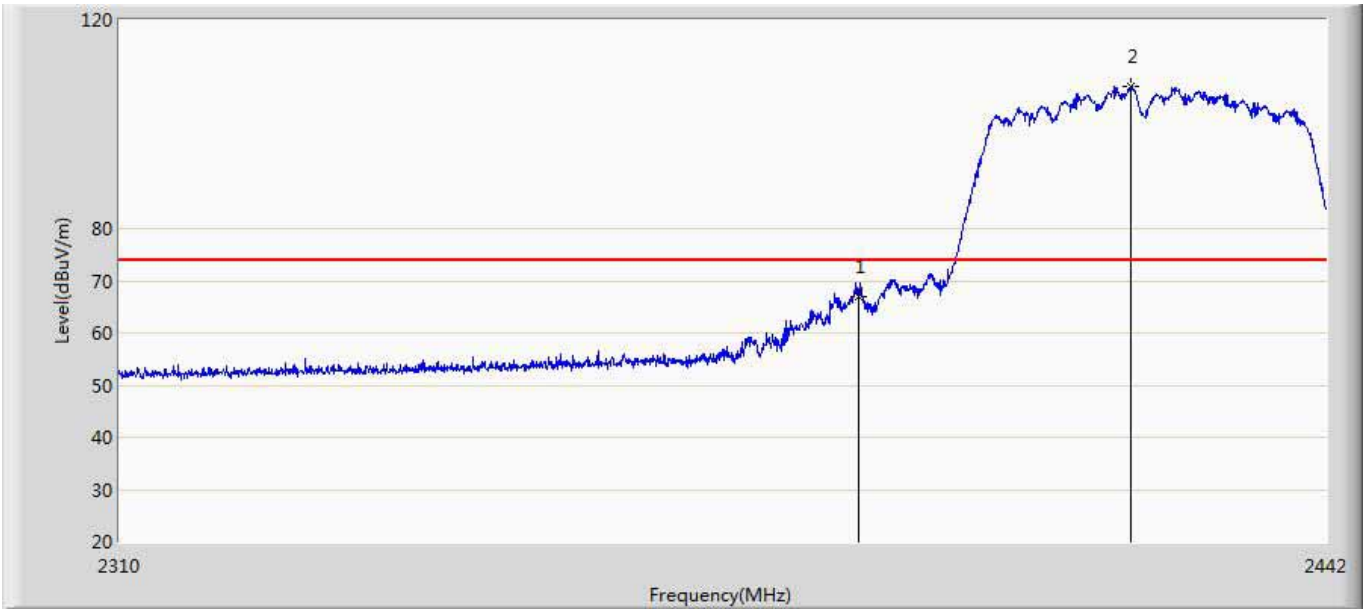
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2464.264	109.381	72.782	35.381	74.000	36.599	PK
2		2483.500	64.788	28.321	-9.212	74.000	36.467	PK

Site: AC5	Time: 2017/03/18 - 19:23
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2422MHz by 802.11N40	



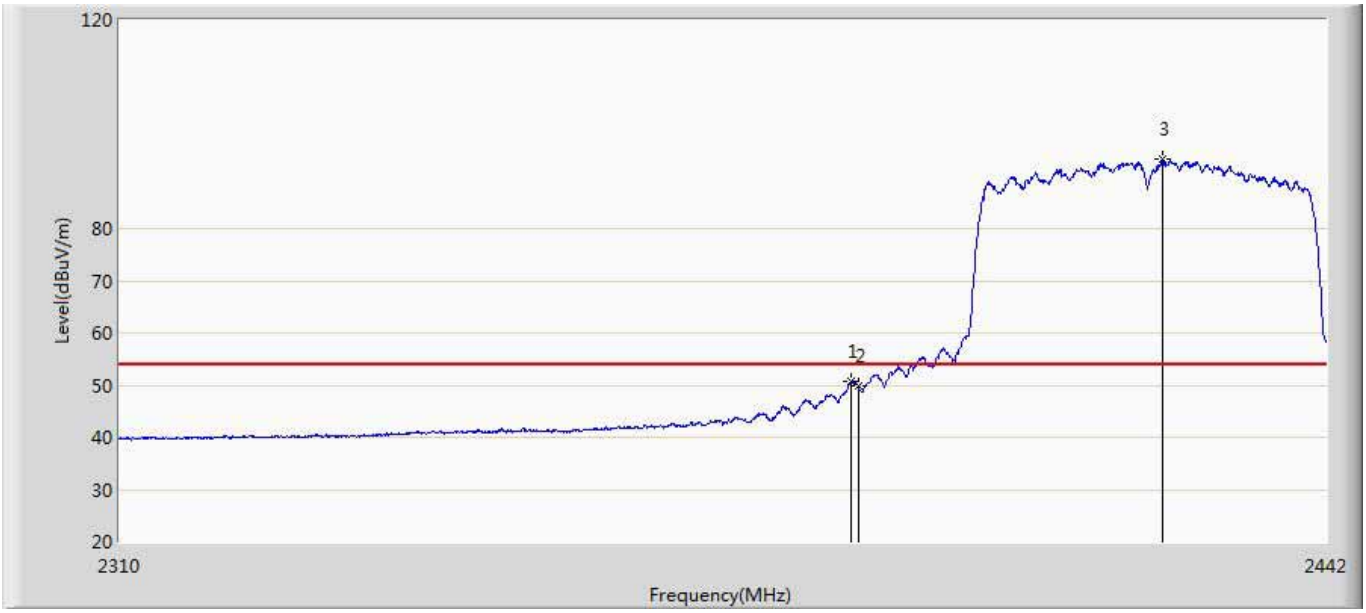
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	53.027	16.697	-0.973	54.000	36.329	AV
2	*	2420.352	97.264	60.788	43.264	54.000	36.476	AV

Site: AC5	Time: 2017/03/18 - 19:28
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2422MHz by 802.11N40	



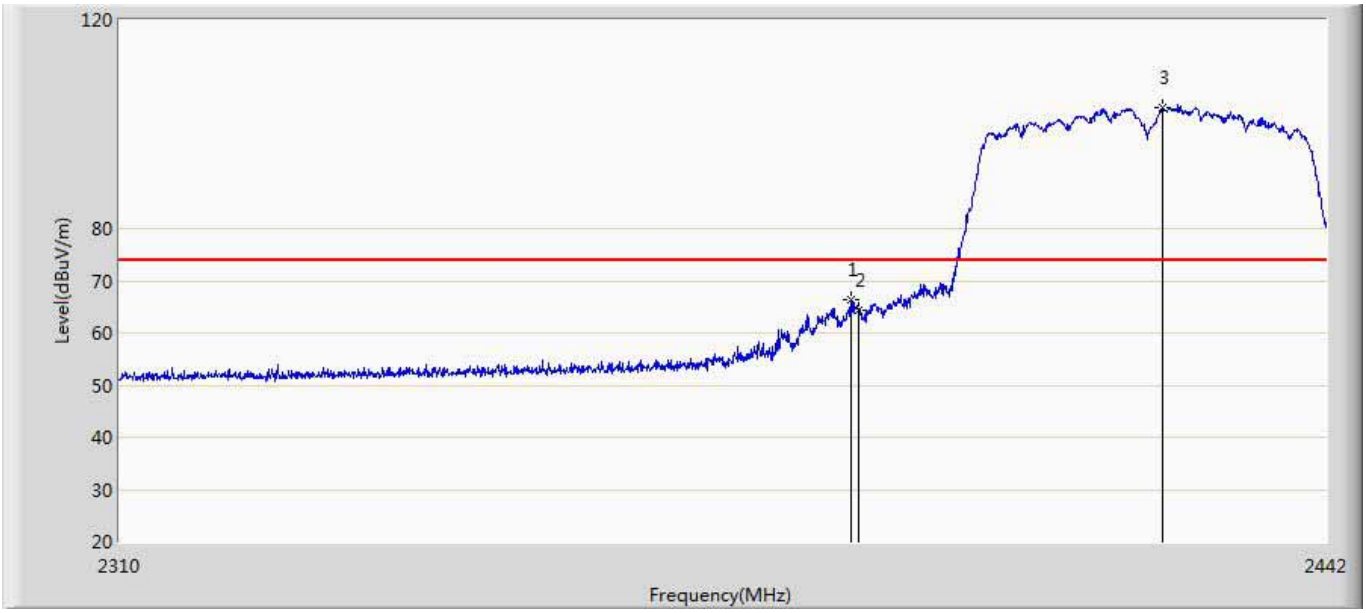
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	67.092	30.762	-6.908	74.000	36.329	PK
2	*	2420.154	107.312	70.840	33.312	74.000	36.472	PK

Site: AC5	Time: 2017/03/18 - 19:30
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2422MHz by 802.11N40	



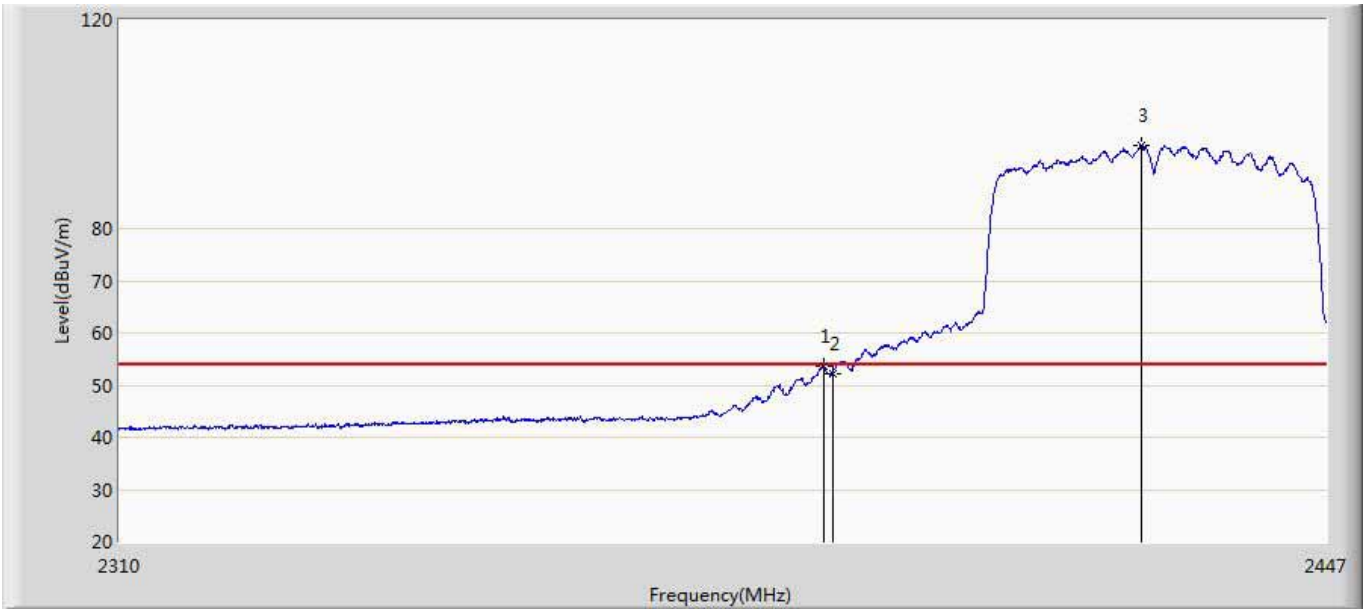
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2389.200	50.600	14.271	-3.400	54.000	36.329	AV
2		2390.000	49.823	13.493	-4.177	54.000	36.329	AV
3	*	2423.784	93.191	56.661	39.191	54.000	36.530	AV

Site: AC5	Time: 2017/03/18 - 19:32
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2422MHz by 802.11N40	



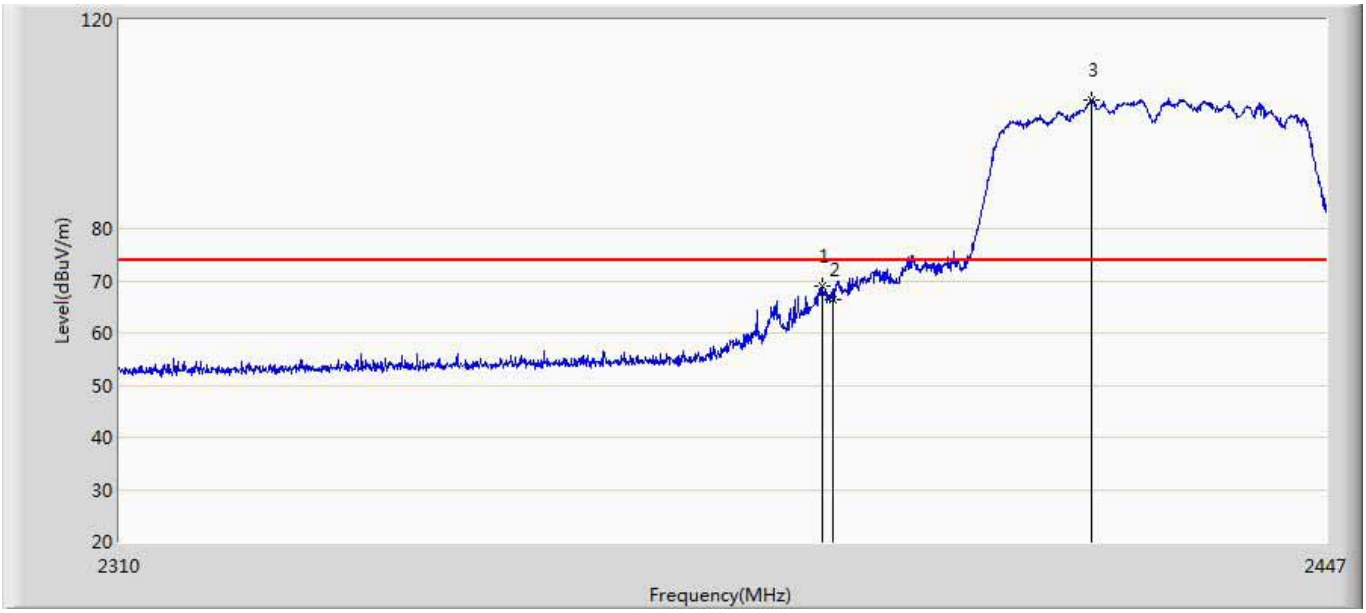
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2389.266	66.404	30.075	-7.596	74.000	36.329	PK
2		2390.000	64.398	28.068	-9.602	74.000	36.329	PK
3	*	2423.718	103.153	66.624	29.153	74.000	36.529	PK

Site: AC5	Time: 2017/04/08 - 12:45
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: 300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2427MHz by 802.11N40	



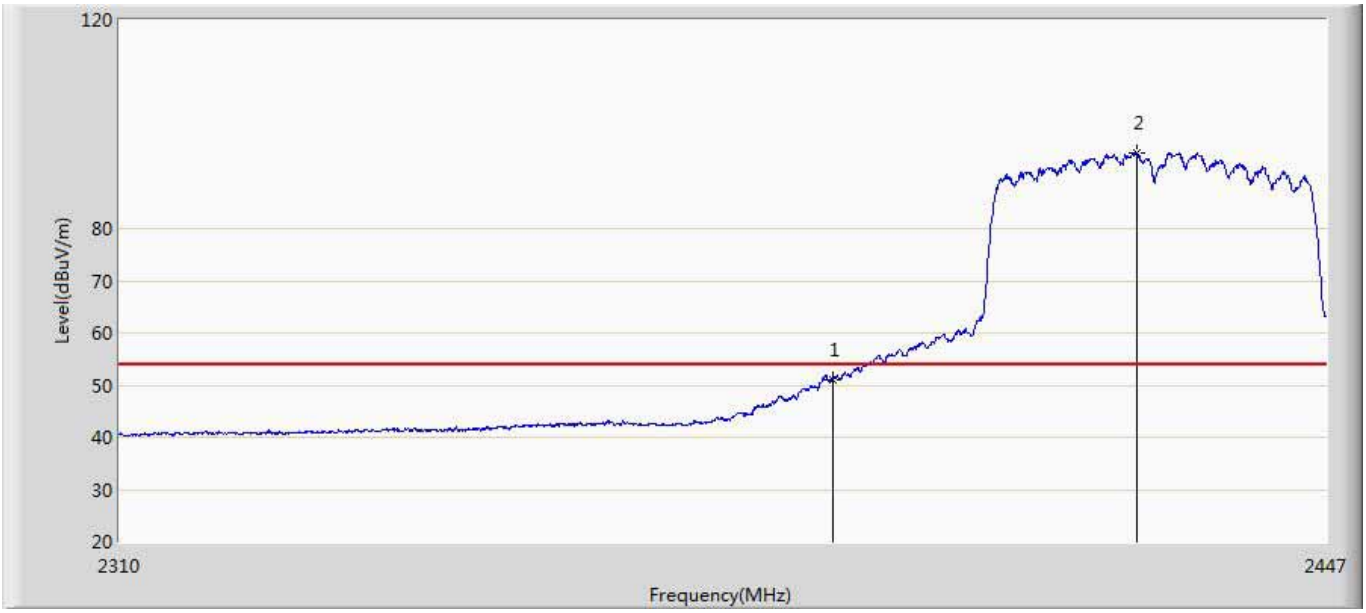
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2388.980	53.511	17.182	-0.489	54.000	36.330	AV
2		2390.000	52.090	15.760	-1.910	54.000	36.329	AV
3	*	2425.628	95.894	59.335	41.894	54.000	36.559	AV

Site: AC5	Time: 2017/04/08 - 12:55
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: 300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2427MHz by 802.11N40	



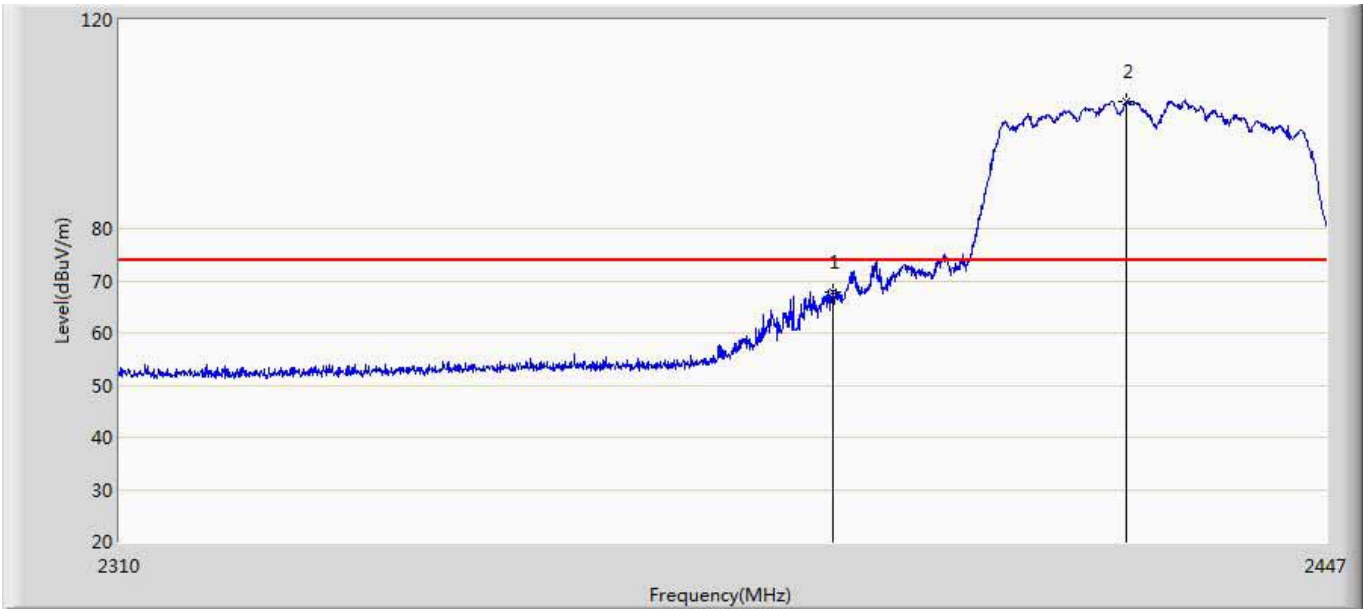
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2388.844	69.015	32.686	-4.985	74.000	36.330	PK
2		2390.000	66.317	29.987	-7.683	74.000	36.329	PK
3	*	2419.805	104.696	68.229	30.696	74.000	36.467	PK

Site: AC5	Time: 2017/04/08 - 12:57
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: 300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2427MHz by 802.11N40	



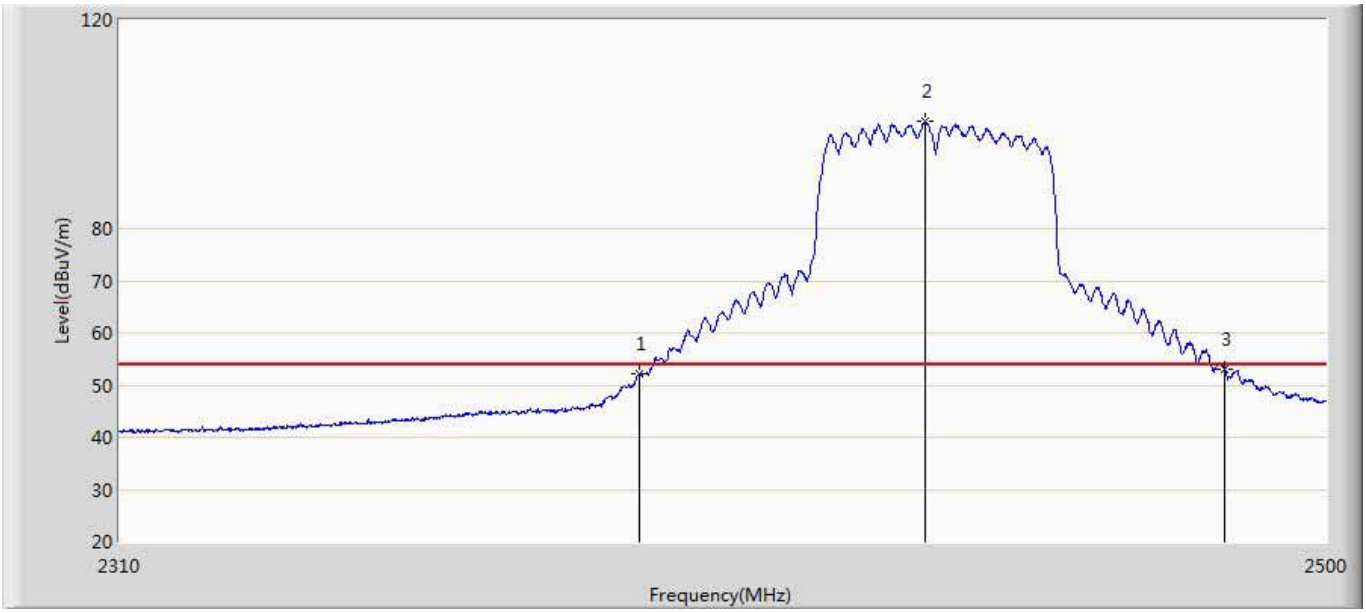
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	51.054	14.724	-2.946	54.000	36.329	AV
2	*	2424.943	94.390	57.842	40.390	54.000	36.548	AV

Site: AC5	Time: 2017/04/08 - 13:05
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: 300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2427MHz by 802.11N40	



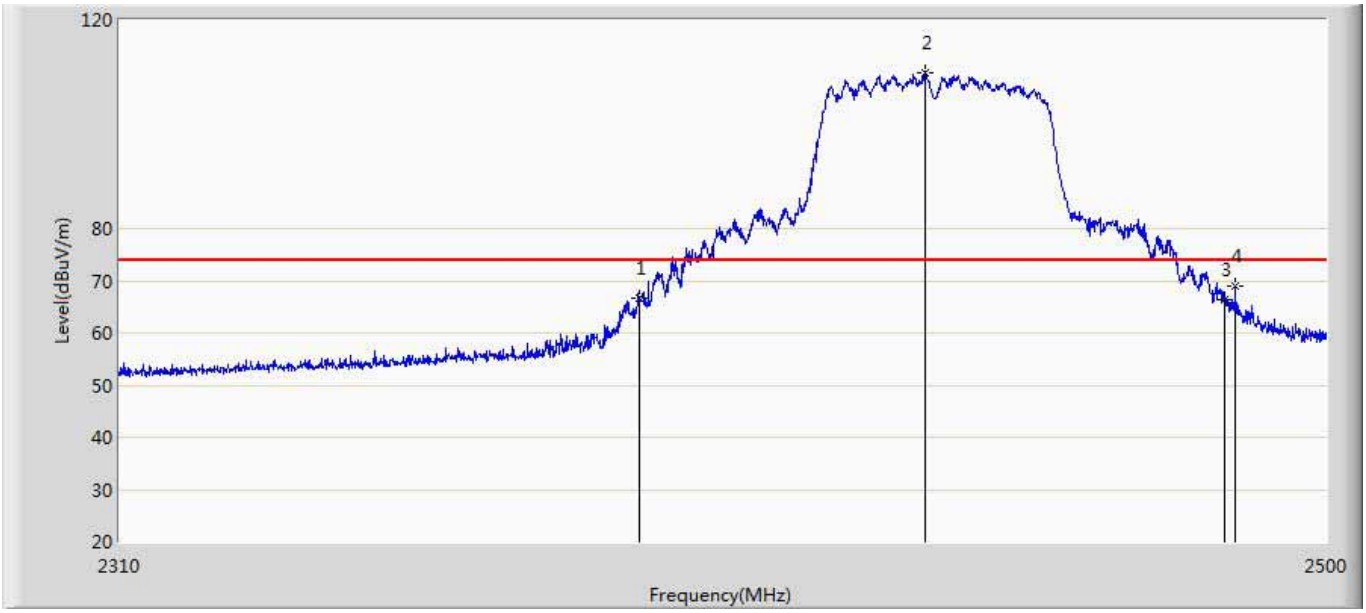
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	67.958	31.629	-6.042	74.000	36.329	PK
2	*	2423.847	104.384	67.853	30.384	74.000	36.531	PK

Site: AC5	Time: 2017/03/18 - 19:35
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2437MHz by 802.11N40	



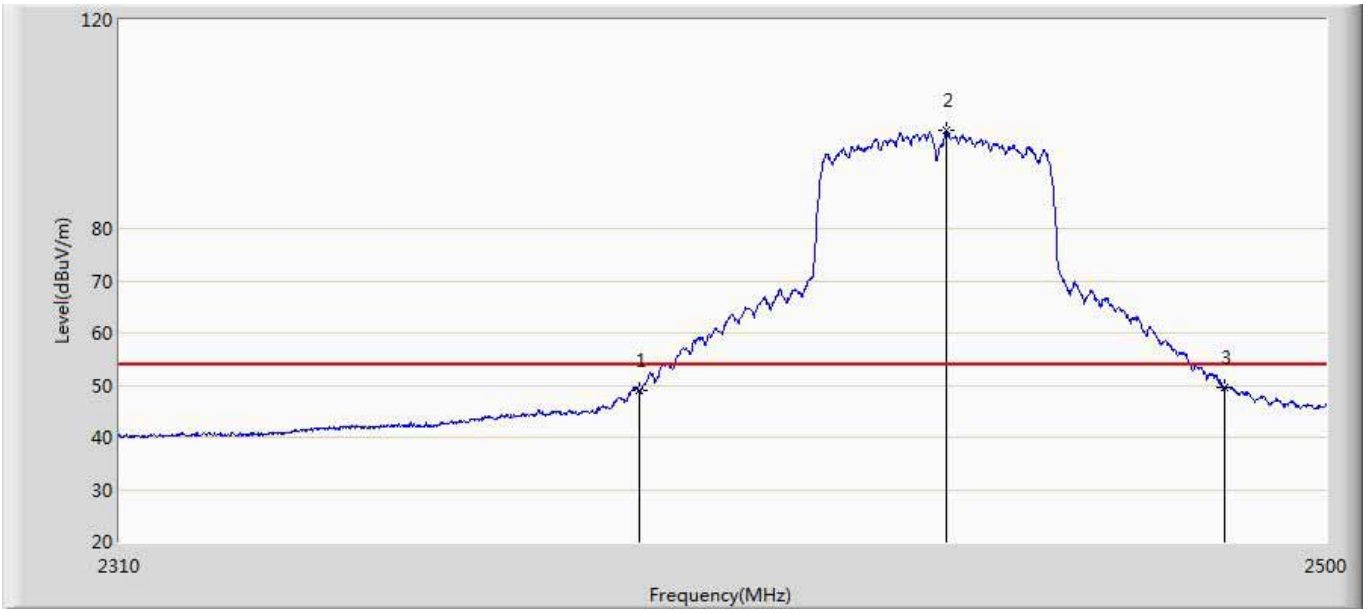
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	52.059	15.729	-1.941	54.000	36.329	AV
2	*	2435.305	100.710	64.244	46.710	54.000	36.467	AV
3		2483.500	52.958	16.491	-1.042	54.000	36.467	AV

Site: AC5	Time: 2017/03/18 - 19:43
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2437MHz by 802.11N40	



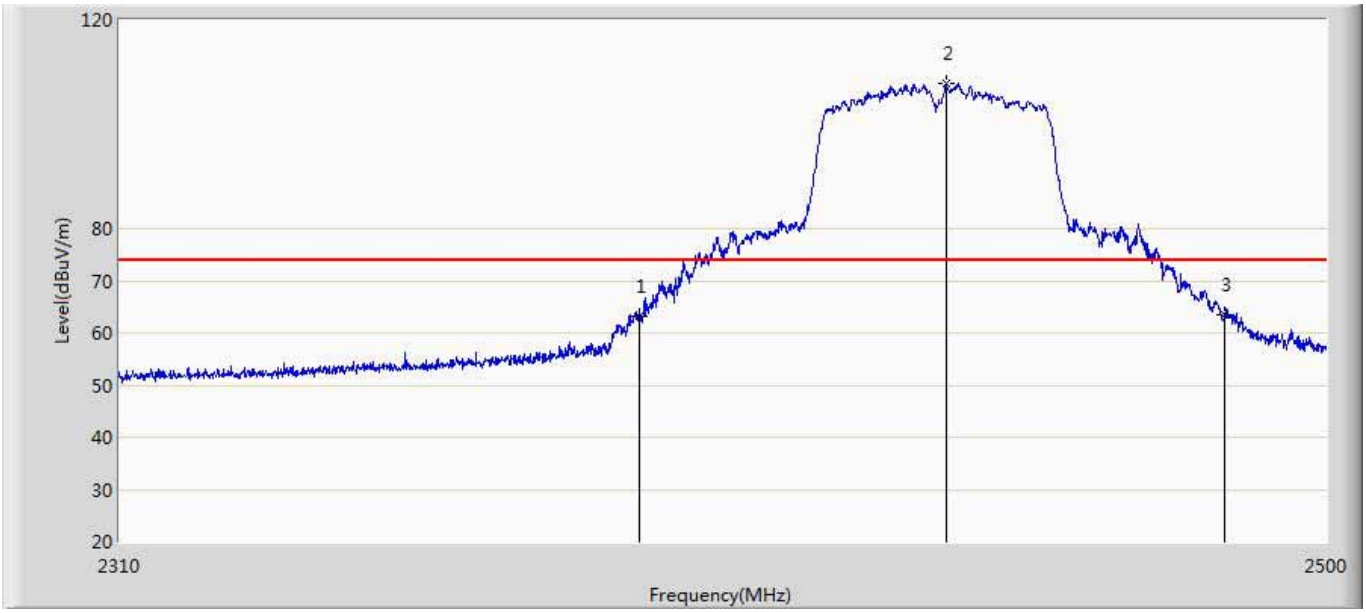
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	66.708	30.378	-7.292	74.000	36.329	PK
2	*	2435.210	109.923	73.455	35.923	74.000	36.468	PK
3		2483.500	66.391	29.924	-7.609	74.000	36.467	PK
4		2485.180	69.001	32.509	-4.999	74.000	36.492	PK

Site: AC5	Time: 2017/03/18 - 19:46
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2437MHz by 802.11N40	



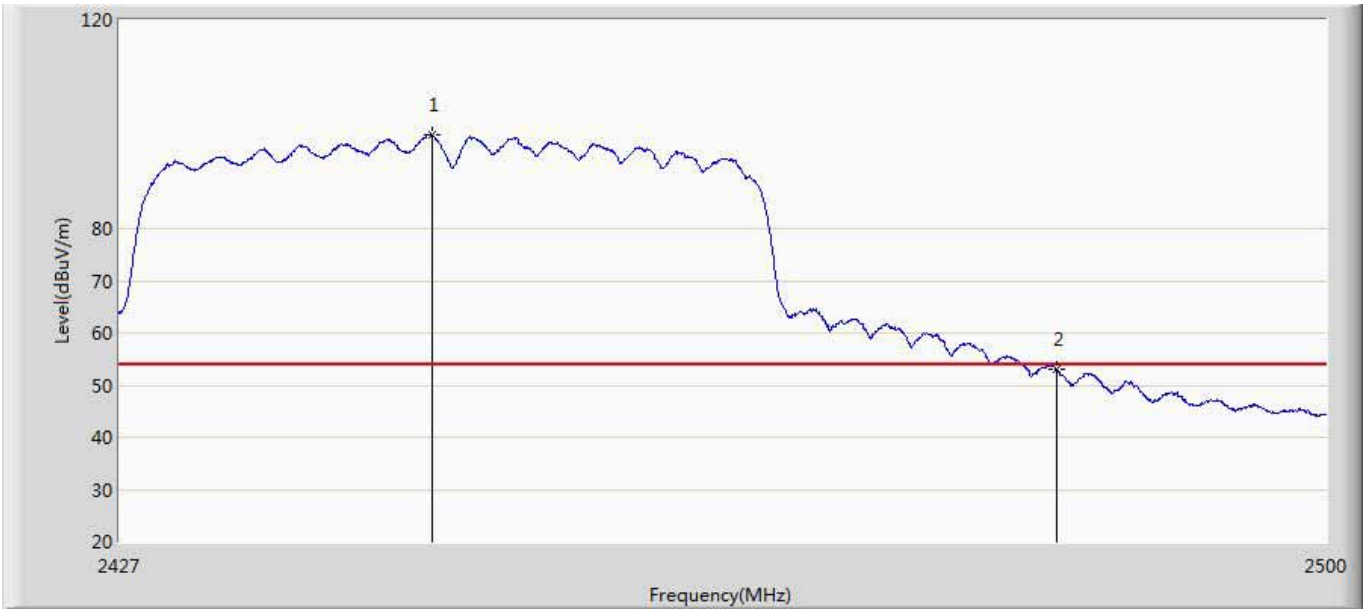
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	49.003	12.673	-4.997	54.000	36.329	AV
2	*	2438.535	98.733	62.324	44.733	54.000	36.408	AV
3		2483.500	49.575	13.108	-4.425	54.000	36.467	AV

Site: AC5	Time: 2017/03/18 - 19:48
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2437MHz by 802.11N40	



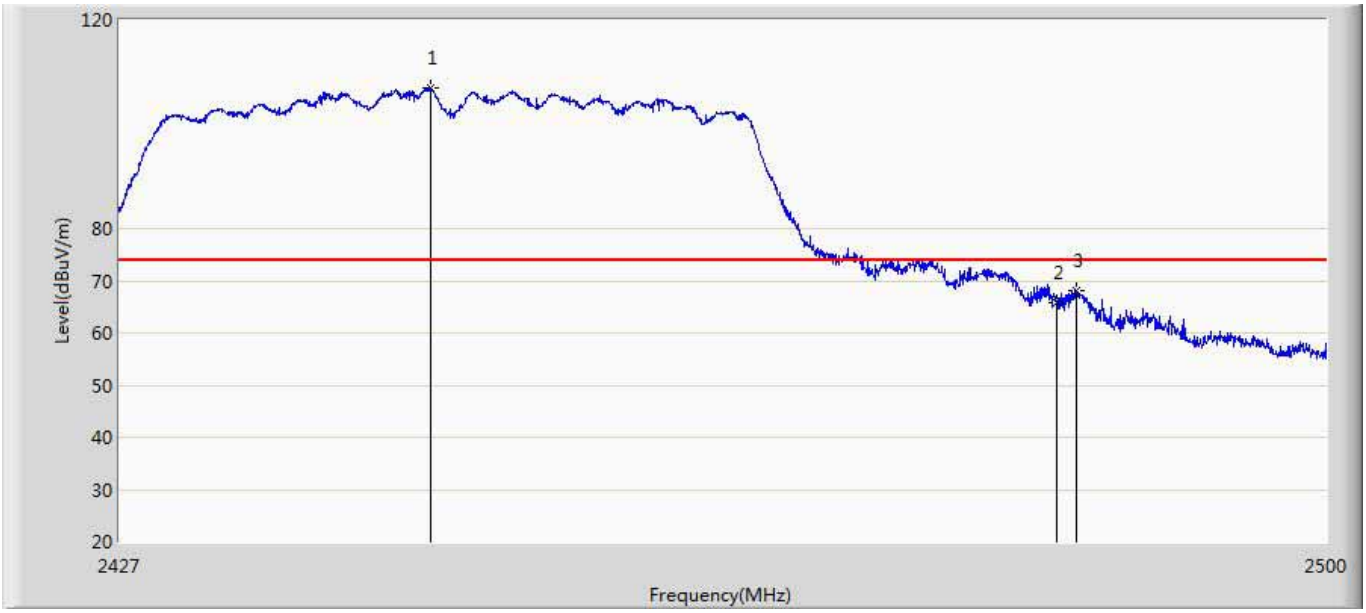
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	63.280	26.950	-10.720	74.000	36.329	PK
2	*	2438.535	107.842	71.433	33.842	74.000	36.408	PK
3		2483.500	63.421	26.954	-10.579	74.000	36.467	PK

Site: AC5	Time: 2017/04/08 - 13:06
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: 300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2447MHz by 802.11N40	



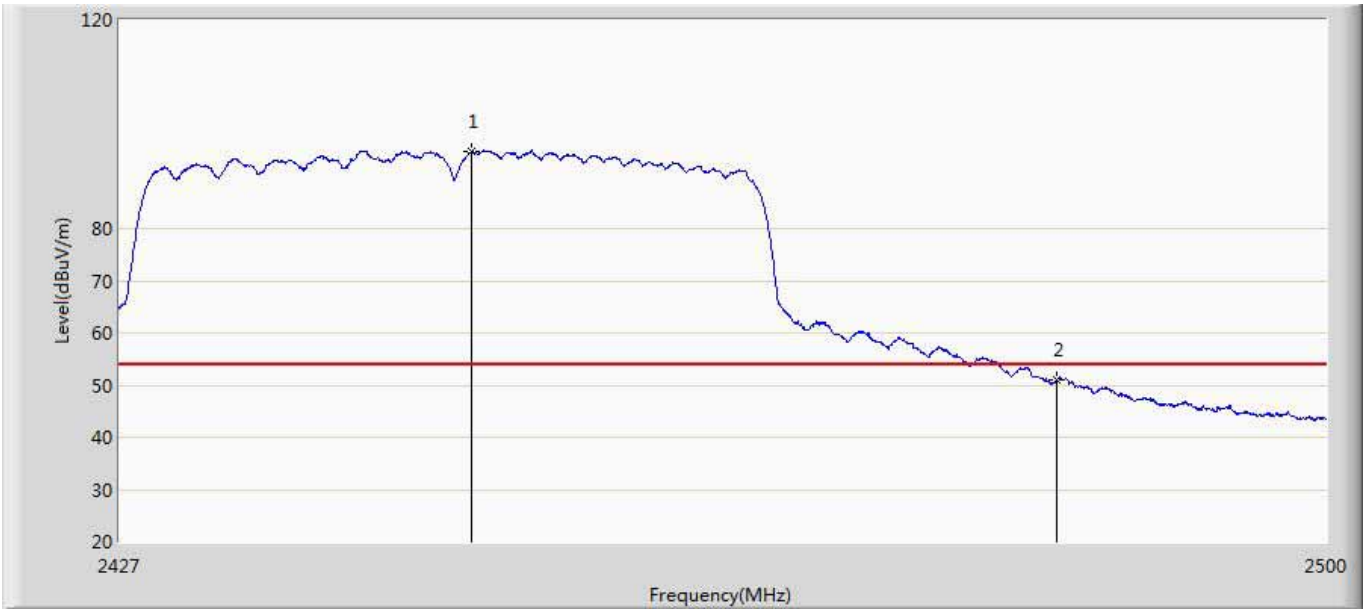
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2445.725	97.862	61.555	43.862	54.000	36.307	AV
2		2483.500	52.974	16.507	-1.026	54.000	36.467	AV

Site: AC5	Time: 2017/04/08 - 13:11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: 300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2447MHz by 802.11N40	



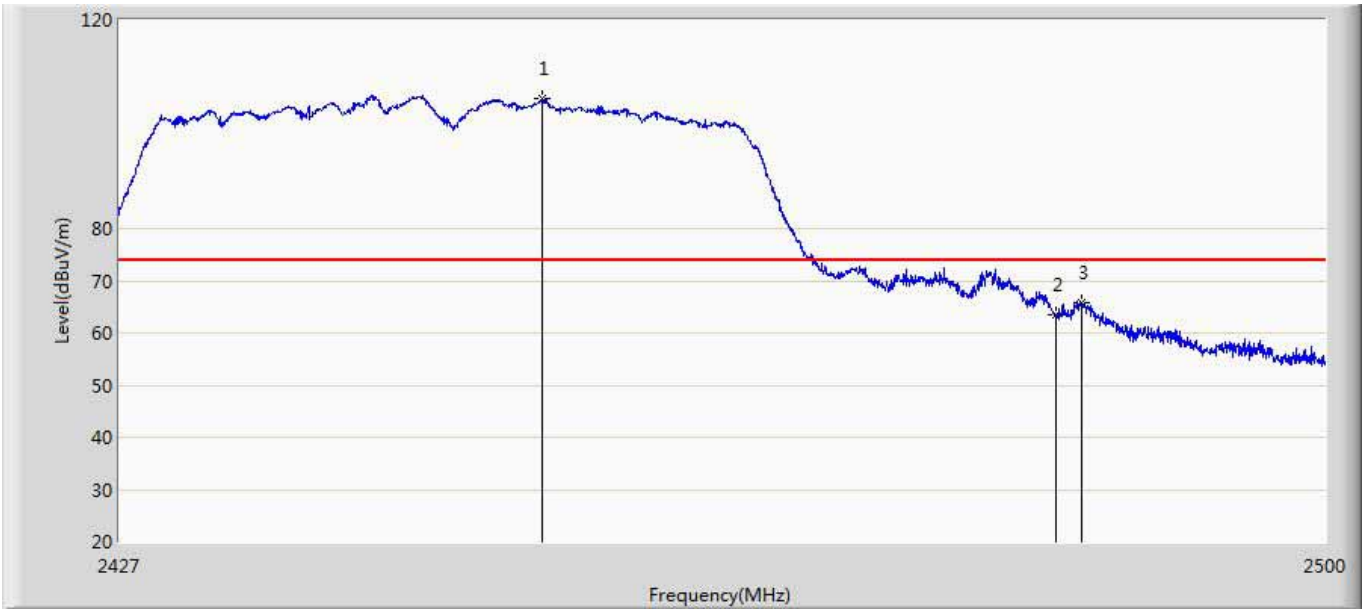
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2445.615	106.825	70.520	32.825	74.000	36.305	PK
2		2483.500	65.931	29.464	-8.069	74.000	36.467	PK
3		2484.707	68.085	31.600	-5.915	74.000	36.485	PK

Site: AC5	Time: 2017/04/08 - 13:14
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: 300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2447MHz by 802.11N40	



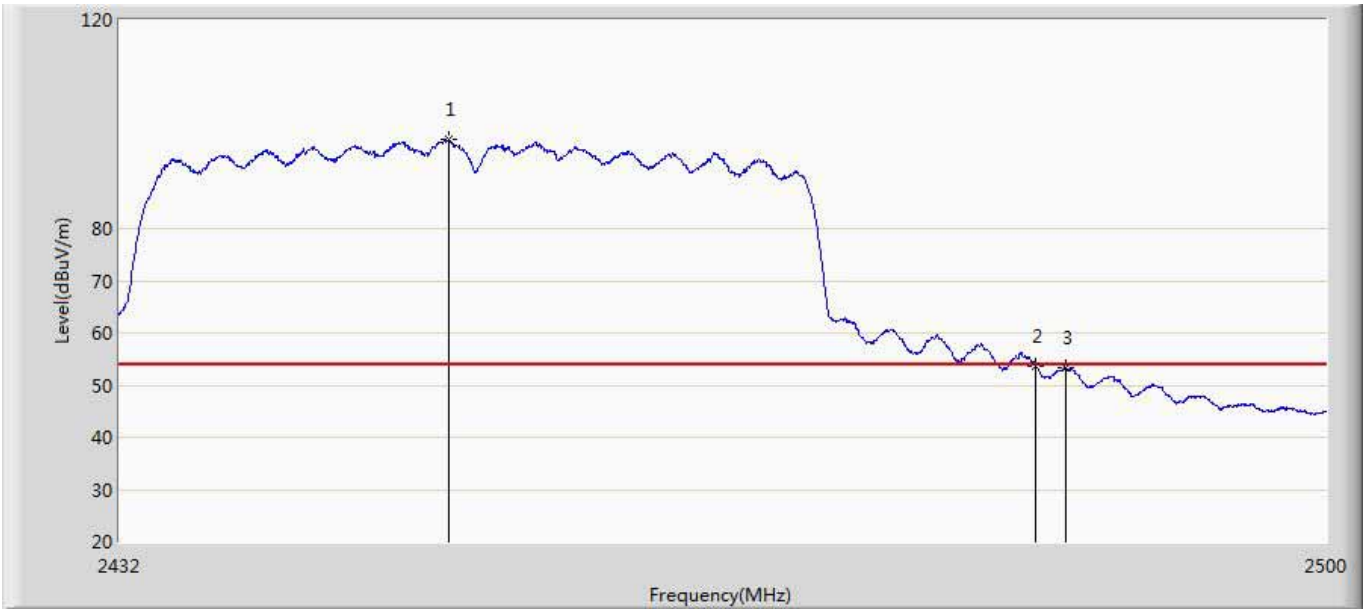
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2448.134	94.723	58.368	40.723	54.000	36.355	AV
2		2483.500	50.969	14.502	-3.031	54.000	36.467	AV

Site: AC5	Time: 2017/04/08 - 13:16
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: 300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2447MHz by 802.11N40	



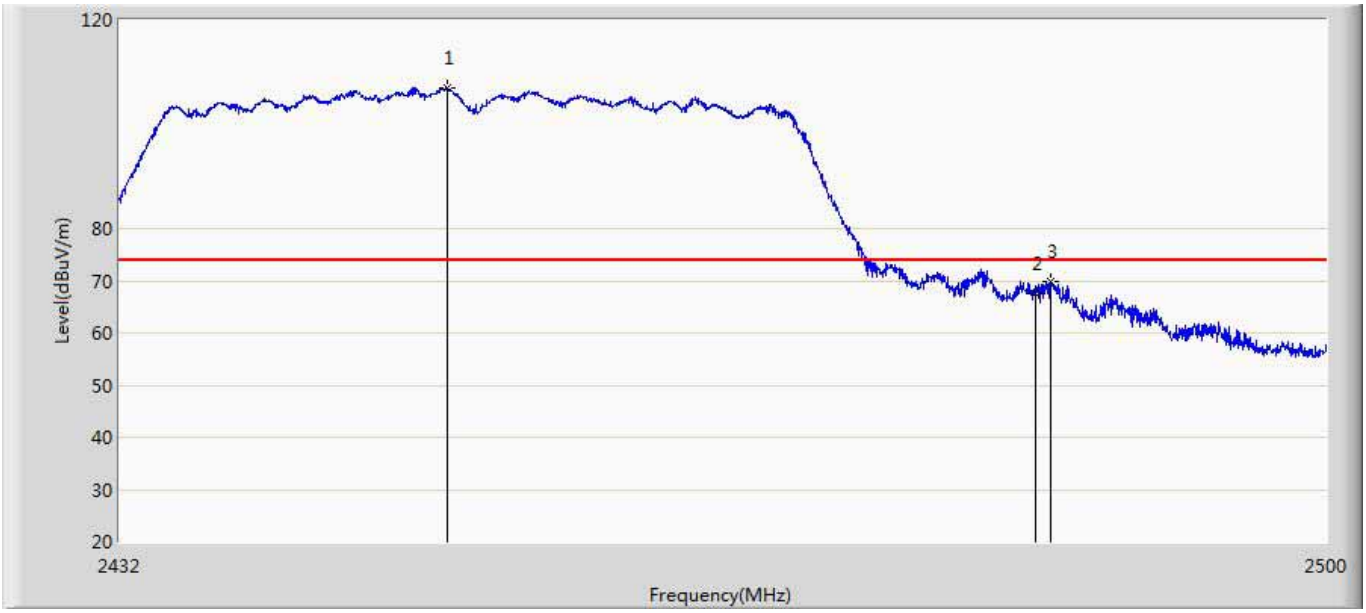
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2452.404	104.938	68.499	30.938	74.000	36.440	PK
2		2483.500	63.554	27.087	-10.446	74.000	36.467	PK
3		2485.108	65.904	29.413	-8.096	74.000	36.491	PK

Site: AC5	Time: 2017/03/18 - 19:50
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2452MHz by 802.11N40	



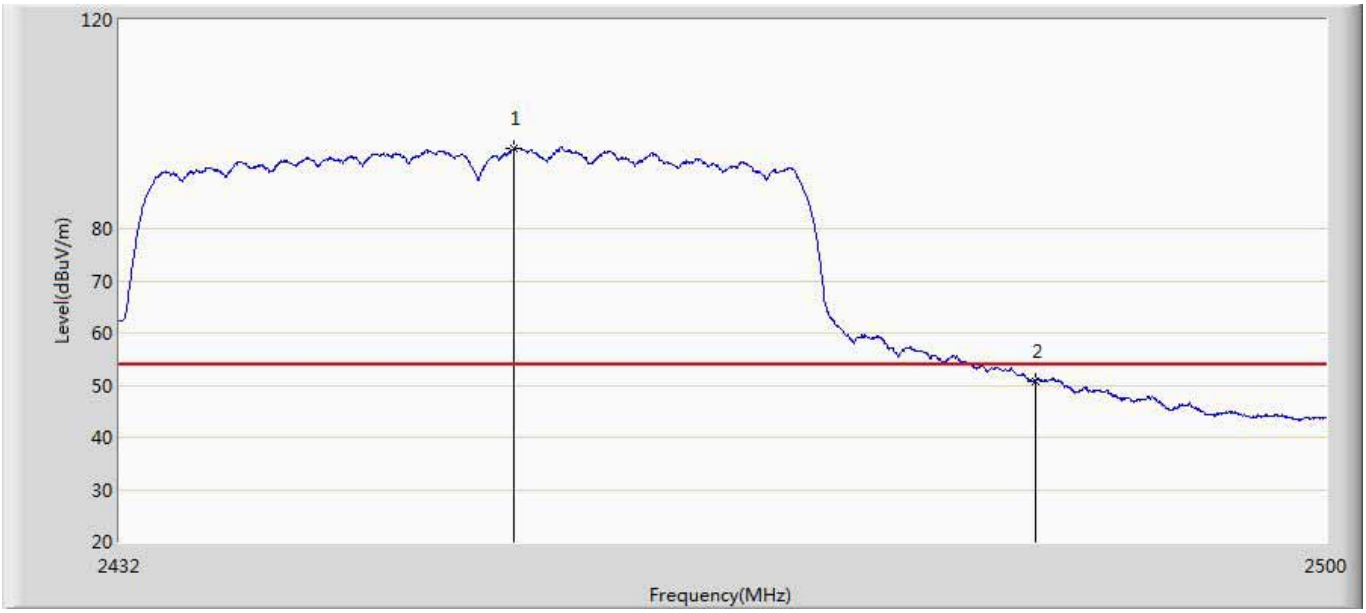
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2450.394	96.975	60.575	42.975	54.000	36.399	AV
2		2483.500	53.497	17.030	-0.503	54.000	36.467	AV
3		2485.142	53.378	16.887	-0.622	54.000	36.491	AV

Site: AC5	Time: 2017/03/18 - 19:54
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2452MHz by 802.11N40	



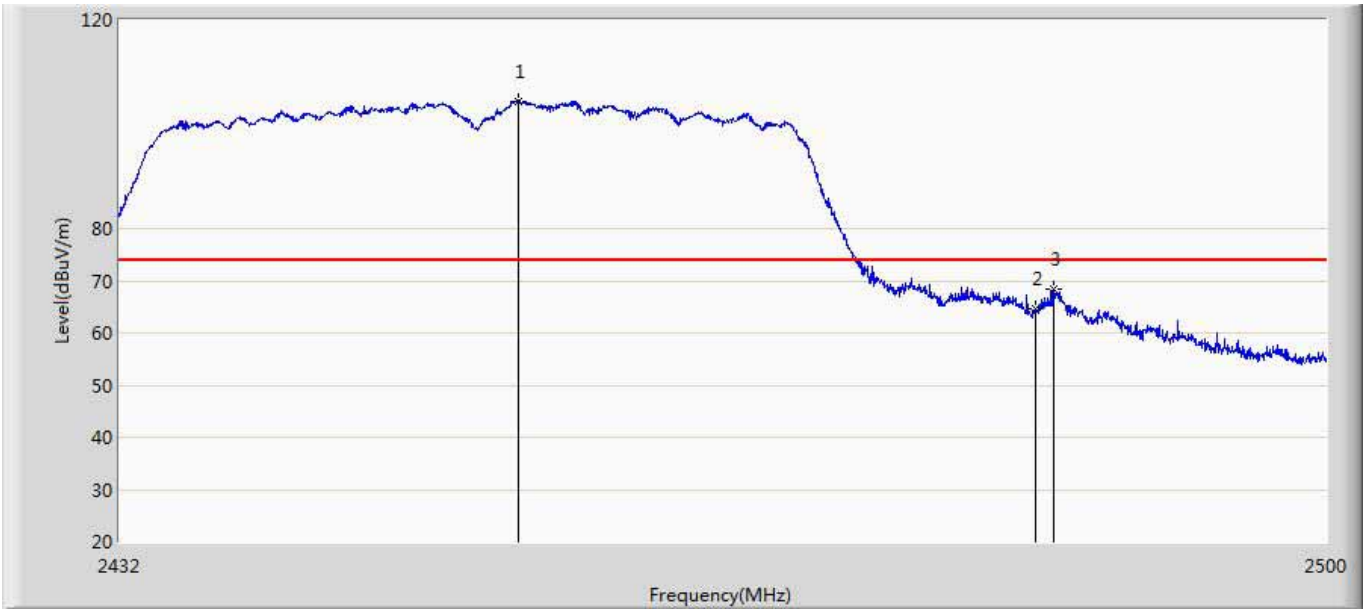
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2450.292	106.867	70.469	32.867	74.000	36.397	PK
2		2483.500	67.501	31.034	-6.499	74.000	36.467	PK
3		2484.360	69.980	33.500	-4.020	74.000	36.479	PK

Site: AC5	Time: 2017/03/18 - 19:56
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2452MHz by 802.11N40	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2454.066	95.342	58.870	41.342	54.000	36.473	AV
2		2483.500	50.856	14.389	-3.144	54.000	36.467	AV

Site: AC5	Time: 2017/03/18 - 19:58
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:300Mbps Wireless N Nano Router	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2452MHz by 802.11N40	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2454.304	104.442	67.965	30.442	74.000	36.477	PK
2		2483.500	64.553	28.086	-9.447	74.000	36.467	PK
3		2484.530	68.545	32.063	-5.455	74.000	36.483	PK

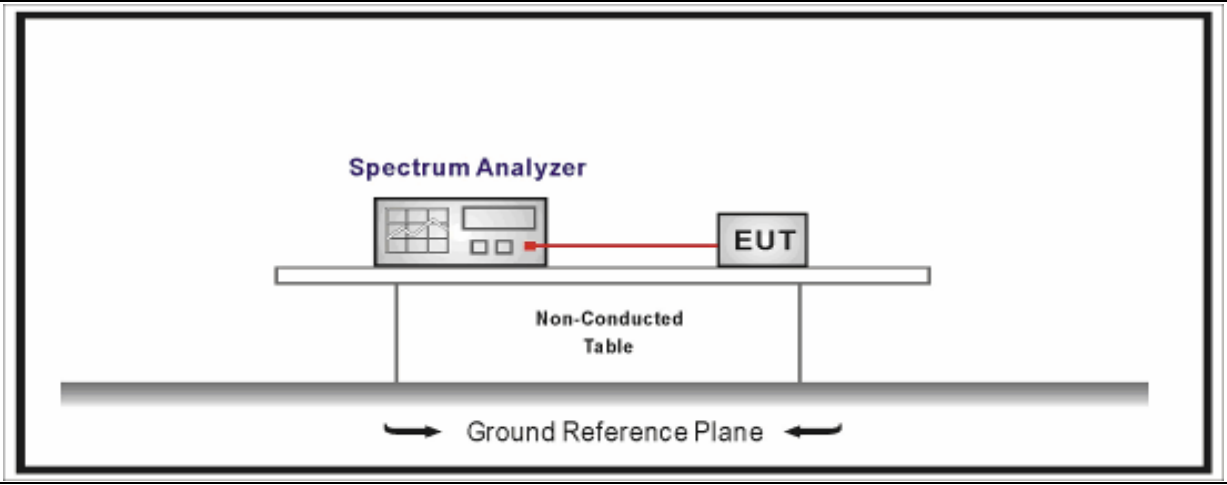
7. Occupied Bandwidth

7.1. Test Equipment

Occupied Bandwidth / TR-8					
Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Cal. Due Date
Spectrum Analyzer	Agilent	N9010A	MY48030494	2017.02.04	2018.02.03
EXA Spectrum Analyzer	Keysight	N9010A	MY55370495	2017.04.09	2018.04.08
MXA Signal Anlyzer	Keysight	N9020A	MY56060147	2017.04.09	2018.04.08
Temperature/Humidity Meter	zhichen	ZC1-2	TR8-TH	2017.04.10	2018.04.09
Note: All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.					

7.2. Test Setup

Occupied Bandwidth test setup:



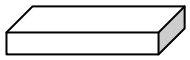
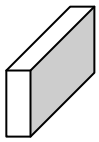
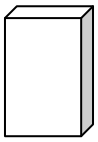
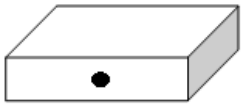
7.3. Limit

Occupied Bandwidth
Systems using digital modulation techniques operate in the2400-2483.5 MHz .The minimum 6 dB bandwidth shall be at least 500 kHz

7.4. Test Procedure

Test Method				
	Reference Rule		Chapter	Description
☒	ANSI C63.10		11.8	DTS bandwidth
	☐	ANSI C63.10	11.8.1	Option 1
	☒	ANSI C63.10	11.8.2	Option 2

7.5. EUT test definition

<table>
<tr><th>Item</th><th colspan="4">Occupied Bandwidth</th></tr>
<tr><td rowspan="3">Device Category</td><td>☐</td><td colspan="3">Fixed point-to-point</td></tr>
<tr><td>☐</td><td colspan="3">Emit multiple directional beams, simultaneously or sequentially</td></tr>
<tr><td>☒</td><td colspan="3">Other cases</td></tr>
<tr><td>Test mode</td><td colspan="4">Mode 1~4</td></tr>
<tr><td rowspan="11">Test method</td><td>☐</td><td colspan="3">Radiated</td></tr>
<tr><td rowspan="3"></td><td>X Axis</td><td>Y Axis</td><td>Z Axis</td></tr>
<tr><td>  </td><td>  </td><td>  </td></tr>
<tr><td>Worst Axis ☐</td><td>Worst Axis ☐</td><td>Worst Axis ☐</td></tr>
<tr><td>☒</td><td colspan="3">Conducted</td></tr>
<tr><td>☐</td><td colspan="3">Chain 0</td></tr>
<tr><td></td><td colspan="3">  </td></tr>
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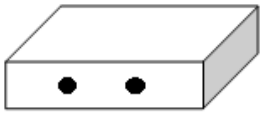
<tr><td></td><td colspan="3">  </td></tr>
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<tr><td></td><td colspan="3">  </td></tr>
</table>

7.6. Test Result

Product Name	:	300Mbps Wireless N Nano Router	Power	:	AC 120V/60Hz
Test Mode	:	Mode1~4	Test Site	:	TR8
Test Date	:	2017.03.04			

Mode	CH.	Test Freq. (MHz)	99% Occupied Bandwidth (MHz)		6dB Occupied Bandwidth (MHz)		Limit (kHz)	Result
			Ant 1	Ant 2	Ant 1	Ant 2		
1	01	2412	15.000	15.020	10.10	10.09	>500	Pass
1	06	2437	15.898	15.862	10.11	10.12	>500	Pass
1	11	2462	15.107	15.100	10.08	10.10	>500	Pass
2	01	2412	16.371	16.374	15.14	15.09	>500	Pass
2	06	2437	20.360	20.644	15.06	15.11	>500	Pass
2	11	2462	16.365	16.362	15.15	16.37	>500	Pass
3	01	2412	17.524	17.528	13.82	15.05	>500	Pass
3	06	2437	20.267	19.711	15.09	15.07	>500	Pass
3	11	2462	17.530	17.530	15.10	13.90	>500	Pass
4	03	2422	35.683	35.678	35.09	35.14	>500	Pass
4	06	2437	35.863	35.904	33.88	35.10	>500	Pass
4	09	2452	35.721	35.721	35.10	33.89	>500	Pass

Note : The worst case of Occupied Bandwidth as below in next page:

Mode 1 CH11 (2462MHz) Ant 1

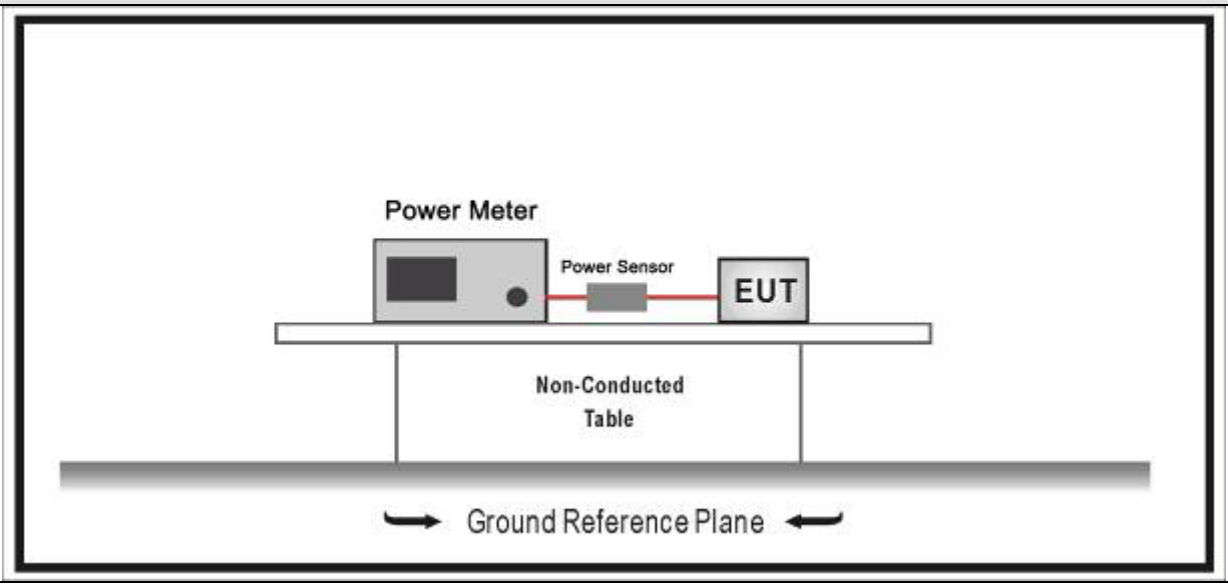
8. Fundamental emission output power

8.1. Test Equipment

Fundamental emission output power/ TR-8					
Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Cal. Due Date
Spectrum Analyzer	Agilent	E4446A	MY45300103	2017.01.04	2018.01.03
Spectrum Analyzer	Agilent	N9010A	MY48030494	2017.02.04	2018.02.03
Wideband Peak Power Meter	Anritsu	ML2495A	0905006	2016.10.14	2017.10.13
Power Sensor	Anritsu	MA2411B	0846014	2016.10.14	2017.10.13
Temperature/Humidity Meter	zhicheng	ZC1-2	TR8-TH	2017.04.10	2018.04.09
Note: All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.					

8.2. Test Setup

Fundamental emission output power test setup



8.3. Limit

Fundamental emission output power Limit			
☒	G_{TX} ＜6dBi		P_{out}≤30dBm
☐	G_{TX} ＞6dBi		
	☐	Non-Fix point-point	P_{out}≤30-(G_{TX} -6)
	☐	Fix point-point	P_{out}≤30-[(G_{TX}-6)]/3
	☐	Point-to-multipoint	Pout≤30-(GTX-6)
	☐	Overlap Beams	P_{out}≤30-[(G_{TX}-6)]/3
	☐	Aggregate power transmitted simultaneously on all beams	P_{out}≤30-[(G_{TX}-6)]/3
	☐	single directional beam	P_{out}≤30-[(G_{TX}-6)]/3+8dB
Note 1 : G_{TX} directional gain of transmitting antennas. Note 2 : P_{out} is maximum peak conducted output power .			

8.4. Test Procedure

Fundamental emission output power Test Method						
	References Rule				Chapter	Description
☒	ANSI C63.10				11.9	Fundamental emission output power
	☐	ANSI C63.10			11.9.1	Maximum peak conducted output power
		☐	ANSI C63.10		11.9.1.1	RBW ≥ DTS bandwidth
		☐	ANSI C63.10		11.9.1.2	Integrated band power method
		☐	ANSI C63.10		11.9.1.3	PKPM1 Peak power meter method
	☒	ANSI C63.10			11.9.2	Maximum conducted (average) output power
		☐	ANSI C63.10		11.9.2.2	Measurement using a spectrum analyzer (SA)
			☐	ANSI C63.10	11.9.2.2.2	Method AVGSA-1(Duty cycle≥98%)
			☐	ANSI C63.10	11.9.2.2.3	Method AVGSA-1A(Duty cycle≥98%)
			☐	ANSI C63.10	11.9.2.2.4	Method AVGSA-2(Duty cycle≤98%)
			☐	ANSI C63.10	11.9.2.2.5	Method AVGSA-2A(Duty cycle≤98%)
			☐	ANSI C63.10	11.9.2.2.4	Method AVGSA-3
			☐	ANSI C63.10	11.9.2.2.5	Method AVGSA-3A
		☒	ANSI C63.10		11.9.2.3	Measurement using a power meter (PM)
			☐	ANSI C63.10	11.9.2.3.1	Method AVGPM
			☒	ANSI C63.10	11.9.2.3.2	Method AVGPM-G

Directional Gain Calculations for In-Band test method				
	References Rule		Chapter	Description
☐	KDB 662911		F2)a)	Basic methodology with NANT transmit antennas
	☐	KDB 662911	F2)a) (i)	transmit signals are correlated
	☐	KDB 662911	F2)a) (ii)	transmit signals are uncorrelated
☐	KDB 662911		F2)b)	Sectorized antenna systems.
☐	KDB 662911		F2)c)	Cross-polarized antennas
	☐	ANSI C63.10	F2)c) (i)	Cross-polarized antennas with NANT = 2.
	☐	ANSI C63.10	F2)c) (ii)	Multiple antennas
☐	KDB 662911		F2)e)	Spatial stream
	☐	KDB 662911	F2)e) (i)	Antennas have the same gain
	☐	KDB 662911	F2)e) (ii)	Antenna have the different gain with one spatial stream
	☐	KDB 662911	F2)e) (iii)	Antenna have the different gain with more than one spatial stream
☒	KDB 662911		F2)f)	Cyclic Delay Diversity (CDD)
	☒	KDB 662911	F2)f) (i)	Antennas have the same gain
	☐	KDB 662911	F2)f) (ii)	Antenna have the different gain with one spatial stream
	☐	KDB 662911	F2)f) (ii)	Antenna have the different gain with more than one spatial stream

8.5. EUT test definition

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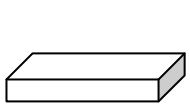
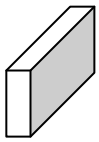
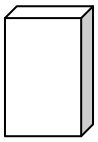
<tr><td>  </td><td>  </td><td>  </td></tr>
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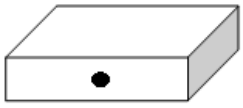
<tr><td></td><td colspan="3">  </td></tr>
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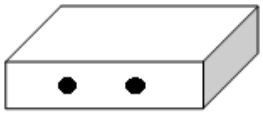
<tr><td></td><td colspan="3">  </td></tr>
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<tr><td></td><td colspan="3">  </td></tr>
</table>

8.6. Test Result

Product Name	:	300Mbps Wireless N Nano Router	Power	:	AC 120V/60Hz
Test Mode	:	Mode1~4	Test Site	:	TR8
Test Date	:	2017.03.04			

Mode	Channel	Test Frequency (MHz)	Average Power Output (dBm)		Total Power (dBm)	Directional Gain (dBi)	Limit (dBm)	Result
			Ant 1	Ant 2				
1	01	2412	21.24	21.53	24.40	2.85	30	Pass
1	06	2437	22.87	23.16	26.03	2.85	30	Pass
1	11	2462	22.91	23.13	26.03	2.85	30	Pass
2	01	2412	17.03	17.21	20.13	2.85	30	Pass
2	06	2437	21.57	21.88	24.74	2.85	30	Pass
2	11	2462	16.83	17.02	19.94	2.85	30	Pass
3	01	2412	15.68	15.97	18.84	2.85	30	Pass
3	06	2437	21.61	21.93	24.78	2.85	30	Pass
3	11	2462	16.25	16.48	19.38	2.85	30	Pass
4	03	2422	12.64	12.85	15.76	2.85	30	Pass
4	06	2437	17.48	17.72	20.61	2.85	30	Pass
4	09	2452	14.01	14.24	17.14	2.85	30	Pass

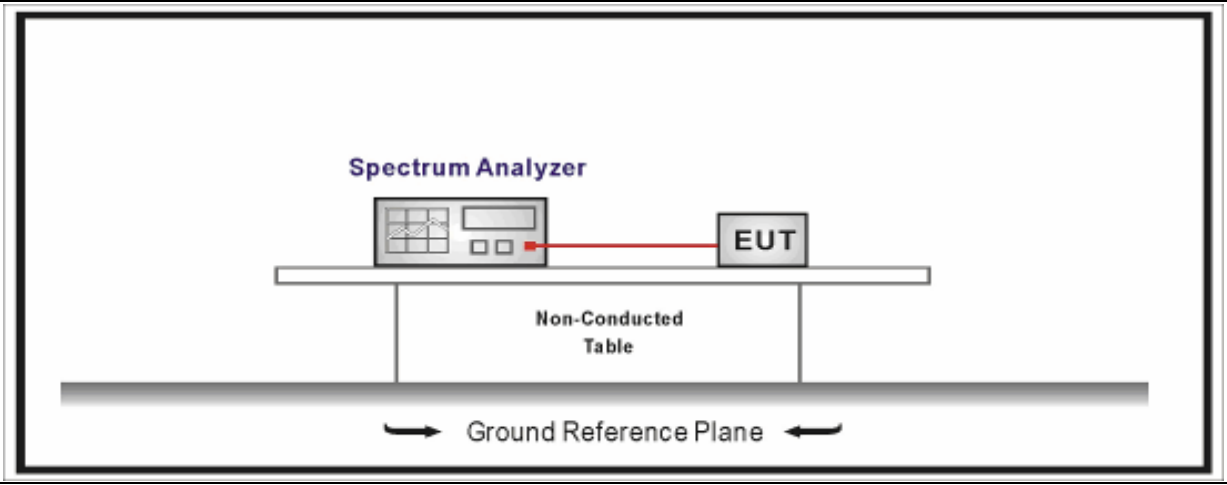
9. Power Spectral Density

9.1. Test Equipment

Power Spectral Density / TR-8					
Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Cal. Due Date
Spectrum Analyzer	Agilent	N9010A	MY48030494	2017.02.04	2018.02.03
EXA Spectrum Analyzer	Keysight	N9010A	MY55370495	2017.04.09	2018.04.08
MXA Signal Anlyzer	Keysight	N9020A	MY56060147	2017.04.09	2018.04.08
Temperature/Humidity Meter	zhichen	ZC1-2	TR8-TH	2017.04.10	2018.04.09
Note: All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.					

9.2. Test Setup

Power Spectral Density test setup



9.3. Limit

Power Spectral Density Limit
Power Spectral Density≤8dBm/3kHz

9.4. Test Procedure

Power Spectral Density Test Method				
	References Rule		Chapter	Description
☒	ANSI C63.10		11.10	Maximum power spectral density level in the fundamental emission
	☐	ANSI C63.10	11.10.2	Method PKPSD (peak PSD)
	☐	ANSI C63.10	11.10.3	Method AVGPSD-1(Duty cycle≥98%)
	☐	ANSI C63.10	11.10.4	Method AVGPSD-1A(Duty cycle≥98%)
	☒	ANSI C63.10	11.10.5	Method AVGPSD-2(Duty cycle＜98%)
	☐	ANSI C63.10	11.10.6	Method AVGPSD-2A(Duty cycle＜98%)
	☐	ANSI C63.10	11.10.7	Method AVGPSD-3
	☐	ANSI C63.10	11.10.8	Method AVGPSD-3A

Directional Gain Calculations for In-Band test method				
	Referred Rule		Chapter	Description
☐	KDB 662911		F2)a)	Basic methodology with NANT transmit antennas
	☐	KDB 662911	F2)a) (i)	transmit signals are correlated
	☐	KDB 662911	F2)a) (ii)	transmit signals are uncorrelated
☐	KDB 662911		F2)b)	Sectorized antenna systems.
☐	KDB 662911		F2)c)	Cross-polarized antennas
	☐	ANSI C63.10	F2)c) (i)	Cross-polarized antennas with NANT = 2.
	☐	ANSI C63.10	F2)c) (ii)	Multiple antennas
☐	KDB 662911		F2)e)	Spatial stream
	☐	KDB 662911	F2)e) (i)	Antennas have the same gain
	☐	KDB 662911	F2)e) (ii)	Antenna have the different gain with one spatial stream
	☐	KDB 662911	F2)e) (iii)	Antenna have the different gain with more than one spatial stream
☒	KDB 662911		F2)f)	Cyclic Delay Diversity (CDD)
	☒	KDB 662911	F2)f) (i)	Antennas have the same gain
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9.5. EUT test definition

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<tr><td>☐</td><td colspan="3">Emit multiple directional beams, simultaneously or sequentially</td></tr>
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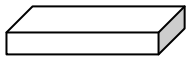
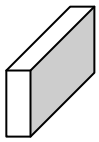
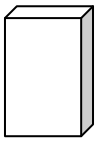
<tr><td>  </td><td>  </td><td>  </td></tr>
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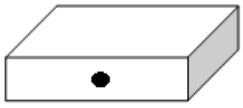
<tr><td></td><td colspan="3">  </td></tr>
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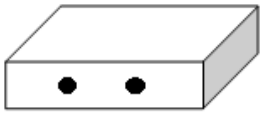
<tr><td></td><td colspan="3">  </td></tr>
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<tr><td></td><td colspan="3">  </td></tr>
</table>

9.6. Test Result

Product Name	:	300Mbps Wireless N Nano Router	Power	:	AC 120V/60Hz
Test Mode	:	Mode1~4	Test Site	:	TR8
Test Date	:	2017.03.04			

Mode	Channel	Test Frequency (MHz)	Measurement PSD (dBm/3kHz)		Total Measurement PSD (dBm/3kHz)	Duty Factor	Total PSD (dBm/3kHz)	Directional Gain (dBi)	Limit (dBm/3kHz)	Result
			Ant 1	Ant 2						
1	01	2412	-8.749	-8.577	-5.65	0.14	-5.51	5.85	8.0	Pass
1	06	2437	-7.110	-6.223	-3.63	0.14	-3.49	5.85	8.0	Pass
1	11	2462	-2.629	-5.392	-0.78	0.14	-0.64	5.85	8.0	Pass
2	01	2412	-13.828	-13.052	-10.41	0.63	-9.78	5.85	8.0	Pass
2	06	2437	-9.788	-9.434	-6.60	0.63	-5.97	5.85	8.0	Pass
2	11	2462	-13.933	-13.733	-10.82	0.63	-10.19	5.85	8.0	Pass
3	01	2412	-14.645	-14.423	-11.52	0.70	-10.82	5.85	8.0	Pass
3	06	2437	-10.490	-10.038	-7.25	0.70	-6.55	5.85	8.0	Pass
3	11	2462	-15.195	-14.910	-12.04	0.70	-11.34	5.85	8.0	Pass
4	03	2422	-20.204	-20.600	-17.39	1.25	-16.14	5.85	8.0	Pass
4	06	2437	-15.721	-16.031	-12.86	1.25	-11.61	5.85	8.0	Pass
4	09	2452	-19.292	-18.737	-16.00	1.25	-14.75	5.85	8.0	Pass

Mode 1 CH11(2462MHz) Ant 1

10. Antenna Requirement

10.1. Limit

Antenna Requirement Limit
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of §15.211, §15.213, §15.217, §15.219, or §15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with §15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

10.2. Antenna Connector Construction

Antenna Connector Construction	
☒	The use of a permanently attached antenna
☐	The antenna use of a unique coupling to the intentional radiator
☐	The use of a nonstandard antenna jack or electrical connector
Please refer to the attached document “Internal Photograph” to show the antenna connector.	

The End