



Test report No:
1962139R-RF-US-P09V01

TEST REPORT

FCC Rules&Regulations 47 CFR Chapter I - Part 15E

Product Name	Barcode Scanner
Trademark	Honeywell
Model and /or type reference	8680i
FCC ID	HD5-8680B
Applicant's name / address	HONEYWELL INTERNATIONAL INC Honeywell Safety and Productivity Solutions 9680 OLD BAILES RD FORT MILL SC 29707-7539
Test method requested, standard	FCC CFR Title 47 Part 15 Subpart C Section 15.407 ANSI C63.10: 2013 KDB789033 D02v02r01
Verdict Summary	IN COMPLIANCE
Tested by (name / position & signature)	Engineer Name / Engineer Position
Approved by (name / position & signature)	Name / Position
Date of issue	2019-07-05
Report template No	1962139R-RF-US-P09V01

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COMPETENCES AND GUARANTEES

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

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

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

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

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

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GENERAL CONDITIONS

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

ENVIRONMENTAL CONDITIONS

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

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

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

POSSIBLE TEST CASE VERDICTS

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

ABBREVIATIONS

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

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

DOCUMENT HISTORY

Report No.	Version	Description	Issued Date
1962139R-RF-US-P09V01		Initial issue of report.	2019-07-05

REMARKS AND COMMENTS

1. The equipment under test (EUT) does meet the essential requirements of the stated standard(s)/test(s).
2. These test results on a sample of the device are for the purpose of demonstrating Compliance with Part 15 Subpart E Paragraph 15.407.
3. The test results presented in this report relate only to the object tested..
4. This report shall not be reproduced, except in full, without the written approval of the Issuing CB Testing laboratory.
5. The measurement result is considered in conformance with the requirement if it is within the prescribed limit, It is not necessary to account the uncertainty associated with the measurement result, unless the specification, standard or customer have special requirements.
6. This report is not used for social proof in China (or Mainland China) market.

USED EQUIPMENT

AC Power Line Conducted Emission / TR1(Chamber details)

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
EMI Test Receiver	R&S	ESCI	100906	2019.03.04	2020.03.04
Two-Line V-Network	R&S	ENV216	101190	2019.06.09	2020.06.09
Two-Line V-Network	R&S	ENV216	101044	2019.06.15	2020.06.15
Current Probe	R&S	EZ-17	100678	2019.03.07	2020.03.07
50ohm Termination	SHX	TF2	07081402	2018.09.08	2019.09.08
50ohm Termination	SHX	TF2	07081403	2018.09.08	2019.09.08
50ohm Coaxial Switch	Anritsu	MP59B	6200464462	N/A	N/A
Temperature/Humidity Meter	RTS	RTS-8S	TR1-TH	2019.01.09	2020.01.09
Coaxial Cable	Suhner	RG 223	TR1-C1	2018.09.11	2019.09.11
Coaxial Cable	Suhner	RG 223	TR1-C2	2018.09.11	2019.09.11
Dekra test software					

RF conducted test / TR8(Chamber details)

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Spectrum Analyzer	Agilent	N9010A	MY48030494	2019.02.04	2020.02.03
EXA Spectrum Analyzer	Keysight	N9010A	MY55370495	2019.04.09	2020.04.08
MXA Signal Analyzer	Keysight	N9020A	MY56060147	2019.04.09	2020.04.08
Wideband Peak Power Meter	Anritsu	ML2495A	0905006	2018.10.14	2019.10.13
Power Sensor	Anritsu	MA2411B	0846014	2018.10.14	2019.10.13
Dekra test software					

Radiated Emission(30MHz-1GHz) / AC2(Chamber details)

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
EMI Test Receiver	R&S	ESCI	100573	2019.03.04	2020.03.04
Bilog Antenna	Teseq GmbH	CBL6112D	27611	2019.06.09	2020.06.09
Temperature/Humidity Meter	RTS	RTS-8S	AC2-TH	2019.01.09	2020.01.09
Coaxial Cable	Huber+Suhner	RG 214	AC2-C	2019.02.28	2020.02.28
Dekra test software					

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

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Spectrum Analyzer	Agilent	E4446A	MY45300103	2019.01.04	2020.01.03
Preamplifier	Miteq	NSP1800-25	1364185	2019.05.06	2020.05.05
Preamplifier	QuieTek	AP-040G	CHM-0906001	2019.05.06	2020.05.05
DRG Horn	ETS-Lindgren	3117	00123988	2019.01.22	2020.01.21
Temperature/Humidity Meter	Zhichen	ZC1-2	AC5-TH	2019.01.04	2020.01.03
Coaxial Cable	Huber+Suhner	SUCOFLEX 106	AC5-C1	2019.03.02	2020.03.01
Coaxial Cable	Huber+Suhner	SUCOFLEX 106	AC5-C2	2019.03.02	2020.03.01
Coaxial Cable	Huber+Suhner	SUCOFLEX 102	AC5-C3	2019.03.02	2020.03.01
Dekra test software					

UNCERTAINTY

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

Test item	Uncertainty
AC Power Line Conducted Emission	$\pm 2.02\text{dB}$
Peak Power Output	$\pm 1.27\text{ dB}$
Radiated Emission(30MHz~1GHz)	$\pm 3.80\text{ dB}$
Radiated Emission(1GHz~40GHz)	$\pm 3.90\text{ dB}$
RF antenna conducted test	$\pm 1.27\text{dB}$
Radiated Emission Band Edge	$\pm 3.9\text{ dB}$
DTS Bandwidth	$\pm 1\text{kHz}$
Occupied Bandwidth	$\pm 1\text{kHz}$
Power Density	$\pm 1.27\text{dB}$
Frequency Stability	$\pm 100\text{ Hz}$

1 GENERAL INFORMATION

1.1 General Description of the Item(s)

Model / Type number.....:	8680i
Trademark	Honeywell
Manufacturer.....:	HONEYWELL INTERNATIONAL INC Honeywell Safety and Productivity Solutions 2、Metro(Suzhou)Technologies Co.,Ltd
Manufacturer Address	1、 9680 OLD BAILES RD FORT MILL SC 29707-7539 2、 No.221 Xinghai street China-Singapore Suzhou Industrial Park

Wireless specifiction	WIFI			
Operating frequency range(s)	☒	5150MHz~5250MHz	☐	Outdoor AP
			☐	Indoor AP
			☐	Fixed point-to-point AP
			☒	Mobile and Portable Client
	☒	5250MHz~5350MHz		
	☒	5470MHz~5725MHz	☒	With TDWR Channels
			☐	Without TDWR Channels
☒	5725MHz~5850MHz			
Type of modulation	OFDM-BPSK, QPSK, 16QAM, 64QAM, 128QAM, 256QAM			
Number of channel	802.11a/n(20MHz)/ac(20MHz): 24 802.11n(40MHz)/ac(MHz): 11 802.11ac(80MHz): 5			
Device category	☐	Outdoor AP		
	☐	Indoor AP		
	☐	Fixed point-to-point AP		
	☒	Mobile and Portable Client		

Rated power supply	Voltage and Frequency			
	☐	AC: 220 – 240 V, 50/60 Hz		
	☐	AC: 100 – 240 V, 50/60 Hz		
	☐	DC: 12 V, 24 V, 12 / 24 V		
	☒	Battery: DC 3.8V		
Mounting position.....:	☐	Table top equipment		
	☐	Wall/Ceiling mounted equipment		
	☐	Floor standing equipment		
	☒	Hand-held equipment		
	☐	Other:		

1.2 Antenna Information

Antenna model / type number	N/A		
Antenna serial number.....	N/A		
Antenna Delivery	☒	1TX + 1RX	
	☐	2TX + 2RX	
	☐	Others:.....	
Antenna technology	☒	SISO	
	☐	MIMO	☐ Basic
			☐ CDD
			☐ Sectorized
			☐ Beam-forming
Antenna Type	☐	External	☐ Dipole
			☐ Sectorized
	☒	Internal	☒ PIFA
			☐ PCB
			☐ Others.....
Antenna Gain	2.7dBi		
Directional Gain	For Power: N/A		
	For PSD: N/A		

1.3 Test date

Test Location	No. 99, Hongye Road, Suzhou Industrial Park Suzhou, 215006, P.R. China
Date(receive sample)	Jun. 20, 2019
Date (start test)	Jun. 20, 2019
Date (finish test)	Jul. 05, 2019

1.4 Data Rate

MCS Index for 802.11n	Spatial Streams	Data Rate (Mbps)						
		802.11b	802.11g	802.11a	20MHz Bandwidth		40MHz Bandwidth	
					800ns GI	400ns GI	800ns GI	400ns GI
0	1	1	6	6	6.5	7.2	13.5	15.0
1	1	2	9	9	13.0	14.4	27.0	30.0
2	1	5.5	12	12	19.5	21.7	40.5	45.0
3	1	11	18	18	26.0	28.9	54.0	60.0
4	1	---	24	24	39.0	43.3	81.0	90.0
5	1	---	36	36	52.0	57.8	108.0	120.0
6	1	---	48	48	58.5	65.0	121.5	135.0
7	1	---	54	54	65.0	72.2	135.0	150.0

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

Spatial Stream s (Note1)	MCS Index	Modulation type	Codin g rate	Data Rate(Mb/s)					
				20MHz		40MHz		80MHz	
				Guard Interval		Guard Interval		Guard Interval	
				800ns	400ns	800ns	400ns	800ns	400ns
1	0	BPSK	1/2	6.5	7.2	13.5	15	29.3	32.5
	1	QPSK	1/2	13	14.4	27	30	58.5	65
	2	QPSK	3/4	19.5	21.7	40.5	45	87.8	97.5
	3	16-QAM	1/2	26	28.9	54	60	117	130
	4	16-QAM	3/4	39	43.3	81	90	175.5	195
	5	64-QAM	2/3	52	57.8	108	120	234	260
	6	64-QAM	3/4	58.5	65	121.5	135	263.3	292.5
	7	64-QAM	5/6	65	72.2	135	150	292.5	325
	8	256-QAM	3/4	78	86.7	162	180	351	390
	9	256-QAM	5/6	N/A	N/A	180	200	390	433.3
Note 1: The blue form is the maximum power data rate.									

1.5 Channel List

IEEE 802.11a/n(20MHz)/ac(20MHz)

Working Frequency of Each Channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
36	5180 MHz	40	5200 MHz	44	5220 MHz	48	5240 MHz
52	5260 MHz	56	5280 MHz	60	5300 MHz	64	5320 MHz
100	5500 MHz	104	5520 MHz	108	5540 MHz	112	5550 MHz
116	5580 MHz	120	5600 MHz	124	5620 MHz	128	5640 MHz
132	5660 MHz	136	5680 MHz	140	5700 MHz	149	5745 MHz
153	5765 MHz	157	5785 MHz	161	5805 MHz	165	5825MHz

IEEE 802.11n(40MHz)/ac(40MHz)

Working Frequency of Each Channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
38	5190 MHz	46	5230 MHz	54	5270 MHz	62	5310 MHz
102	5510 MHz	110	5550 MHz	118	5590 MHz	126	5630 MHz
134	5670 MHz	151	5755 MHz	159	5795 MHz	N/A	N/A

IEEE 802.11ac(80MHz)

Working Frequency of Each Channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
42	5210 MHz	58	5290 MHz	106	5530MHz	122	5610 MHz
155	5775 MHz	N/A	N/A	N/A	N/A	N/A	N/A

2 DESCRIPTION OF TEST SETUP

2.1 Operating mode(s) used for tests

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

Test Mode	Mode 1: Transmit by 802.11a
	Mode 2: Transmit by 802.11n(20MHz)
	Mode 3: Transmit by 802.11n(40MHz)
	Mode 4: Transmit by 802.11ac(20MHz)
	Mode 5: Transmit by 802.11ac(40MHz)
	Mode 6: Transmit by 802.11ac(80MHz)

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

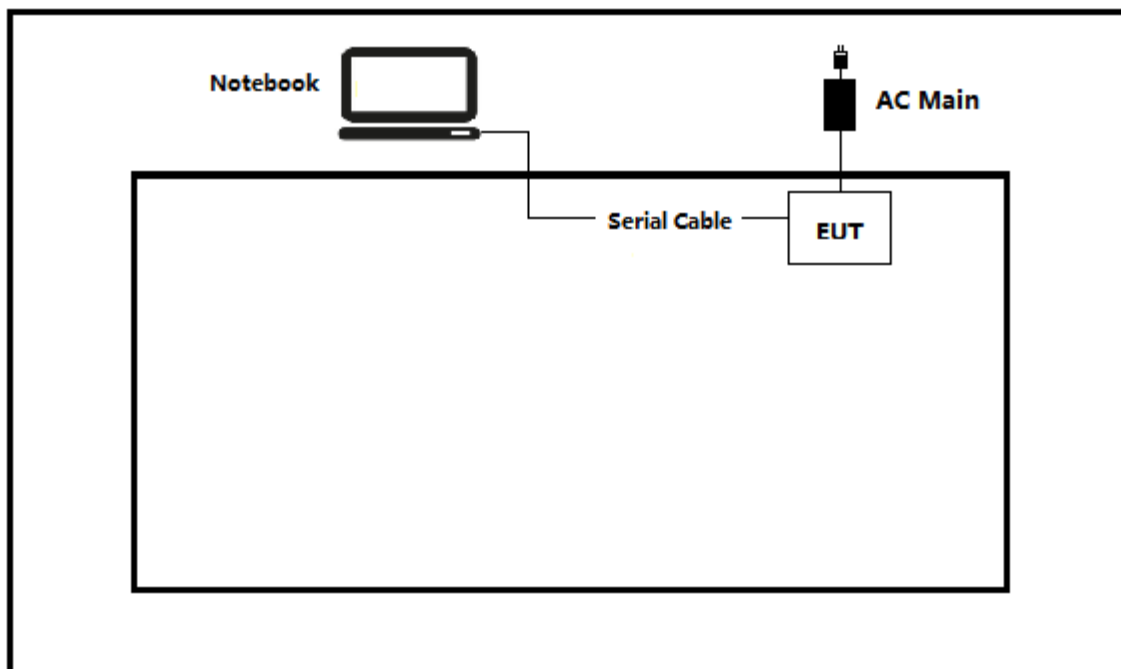
The EUT has been tested with the following auxiliary equipment / unit / software:

Auxiliary equipment	Type / Version	Manufacturer	Supplied by
Notebook	Think pad x220	Lenovo	Adapter
unit / software	Type / Version	Manufacturer	Supplied by
software	Type / Version	Manufacturer	Supplied by
<u>Supplemental information:</u>			

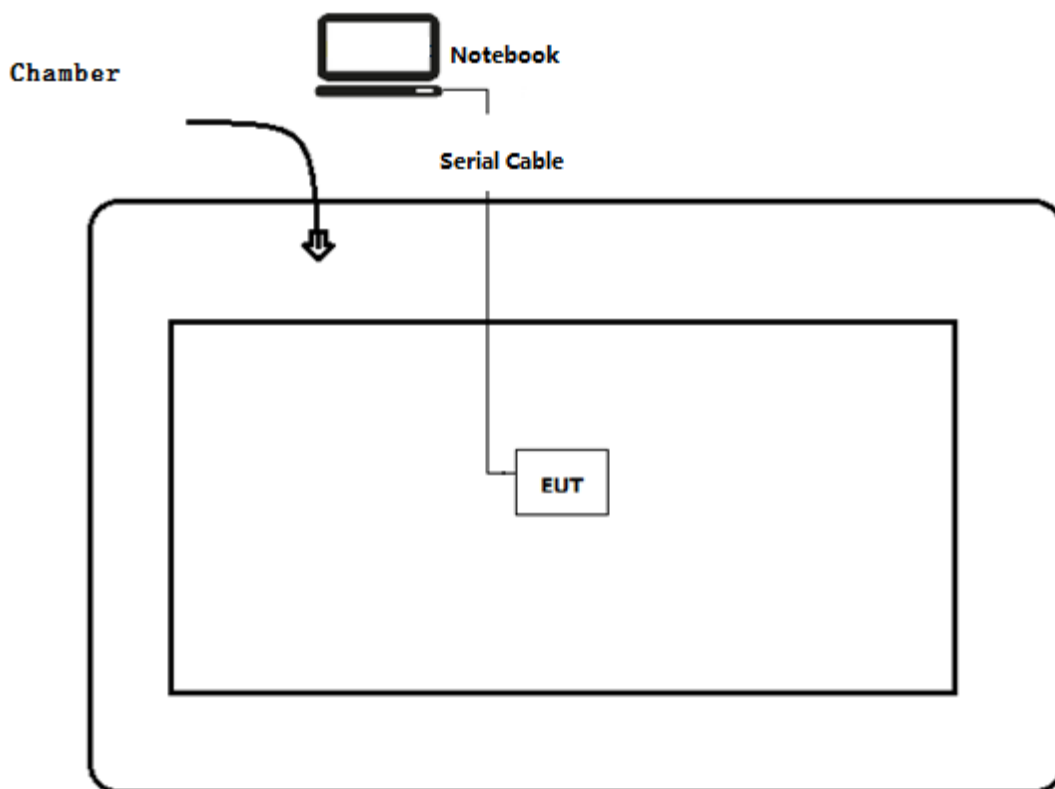
2.3 Test Configuration / Block diagram used for tests

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

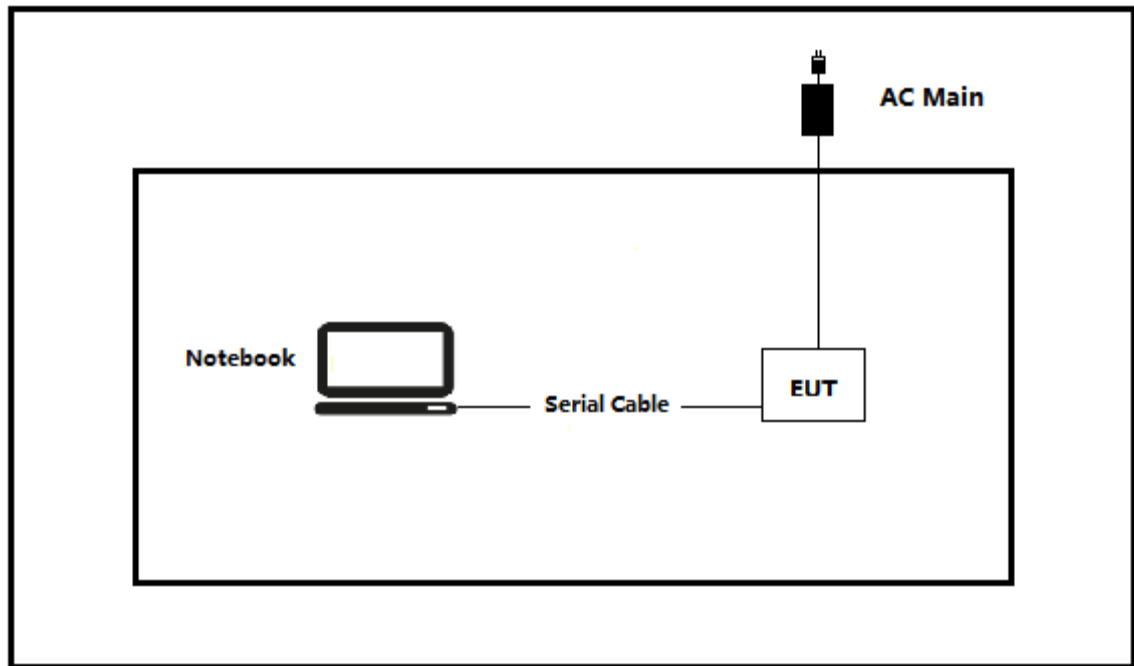
Test setup Diagram- AC Line Conducted Emission Test



Test setup Diagram- AC Line Conducted Emission Test



Test setup Diagram- Conducted test



2.4 Testing process

1	Setup the EUT as shown in Section 2.4.
2	Input the commands.
3	Configure the test mode, the test channel, and the data rate.
4	Start the continuous Transmitter.
5	Verify that the EUT works properly.

3 VERDICT SUMMARY SECTION

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

3.1 Standards

Standard	Year	Description
FCC CFR Title 47 Part 15 Subpart E Section 15.407	2019	Unlicensed National Information Infrastructure Devices
ANSI C63.10	2013	American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices
KDB 789033 D02V02r01	2017	GUIDELINES FOR COMPLIANCE TESTING OF UNLICENSED NATIONAL INFORMATION INFRASTRUCTURE (U-NII) DEVICES PART 15, SUBPART E

3.2 Overview of results

Requirement – Test case	Basic standard(s)	Verdict	Remark
Conducted Emission	FCC CFR Title 47 Part 15 Subpart C Section 15.207	PASS	---
Radiated Emission	FCC CFR Title 47 Part 15 Subpart C Section 15.209	PASS	---
Emission bandwidth and occupied bandwidth	FCC CFR Title 47 Part 15 Subpart C Section 15.202	PASS	---
6dB Emission Bandwidth	FCC CFR Title 47 Part 15 Subpart E Section 15.407(e)	PASS	---
Power Output	FCC CFR Title 47 Part 15 Subpart E Section 15.407(a)	PASS	---
Peak Power Spectral Density	FCC CFR Title 47 Part 15 Subpart E Section 15.407(a)	PASS	---
Radiated Emission Band Edge	FCC CFR Title 47 Part 15 Subpart E Section 15.205, 15.407(b)	PASS	---
Frequency Stability	FCC CFR Title 47 Part 15 Subpart E Section 15.407(g)	PASS	---
Antenna Requirement	FCC CFR Title 47 Part 15 Subpart C Section 15.203	PASS	---
<u>Supplementary information:</u>			

3.3 Test Facility

USA	:	FCC Designation Number: CN1199
Canada	:	CAB identifier Number: CN0040

4 TEST RESULTS

4.1 AC Power Line Conducted Emission

VERDICT: PASS

4.1.1 Limit

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

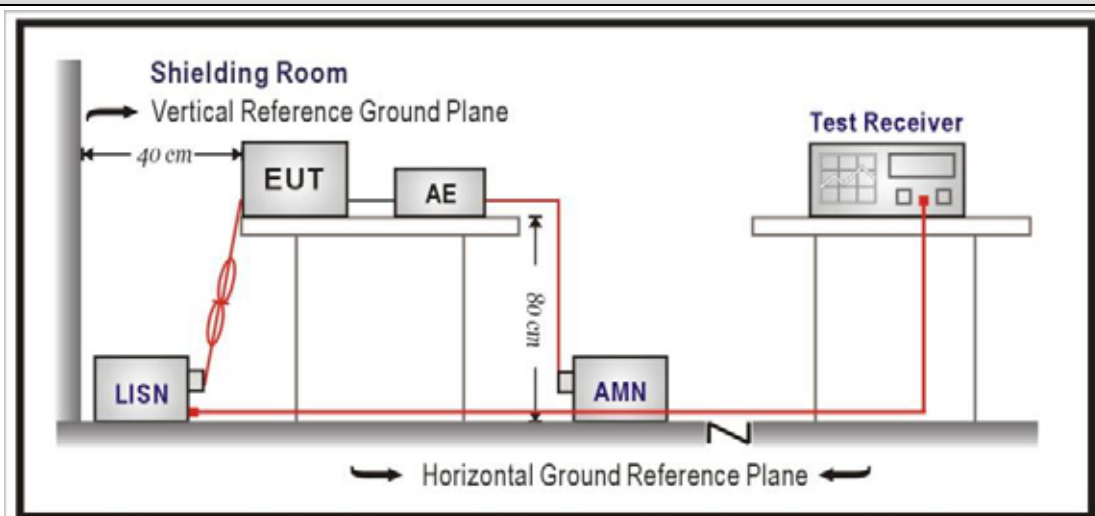
¹⁾ At the transition frequency, the lower limit applies.

²⁾ The limit decreases linearly with the logarithm of the frequency.

NOTE 1: The exclusion band for transmitters shall be considered for transmitters operating at frequencies below 30 MHz.

NOTE 2: Where the AC output port is directly connected (or via a circuit breaker) to the AC power input port of the EUT the AC power output port need not to be tested.

4.1.2 Test Setup

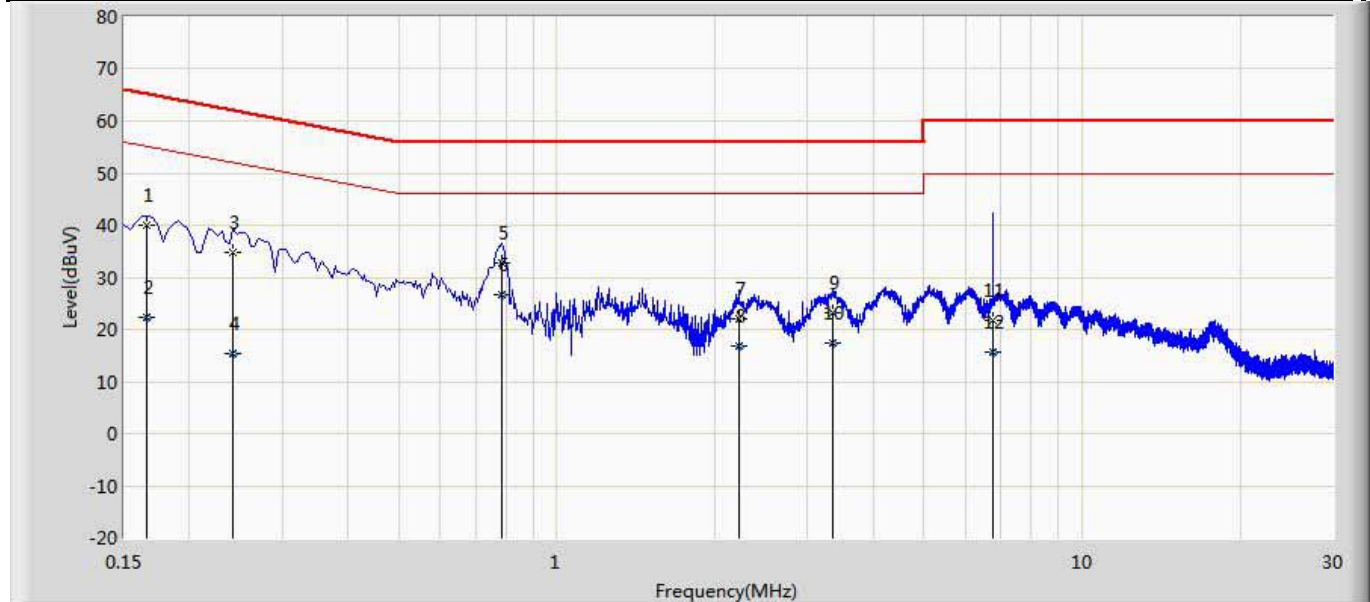


4.1.3 Test Procedure

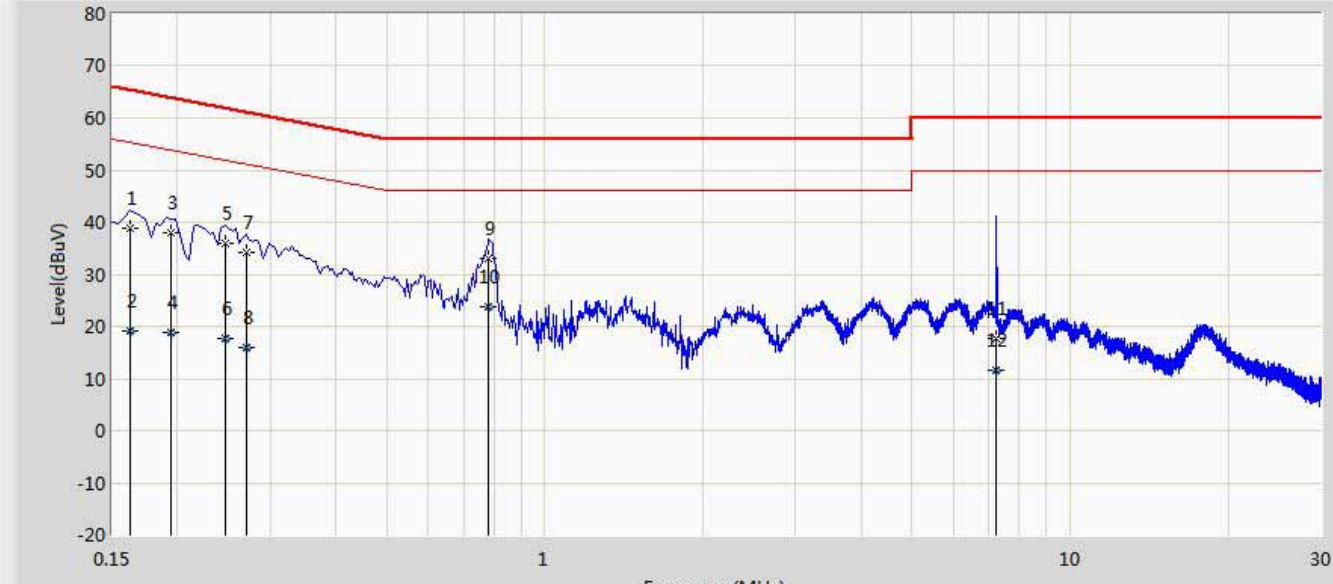
	References Rule	Chapter	Item
☒	ANSI C63.10-2013	6.2	Standard test method for ac power-line conducted emissions from unlicensed wireless devices

4.1.4 Test Data

Site: TR1	Time: 2019/06/25
Limit: FCC_Part15.207_CE	Margin: 0
Probe: ENV216_101190(0.009-30MHz)	Polarity: Line
EUT: Barcode Scanner	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		0.166	39.891	30.257	-25.268	65.158	9.607	0.027	0.000	QP
2		0.166	22.186	12.553	-32.972	55.158	9.607	0.027	0.000	AV
3		0.242	34.827	25.196	-27.201	62.027	9.600	0.030	0.000	QP
4		0.242	15.337	5.706	-36.691	52.027	9.600	0.030	0.000	AV
5		0.786	32.728	23.072	-23.272	56.000	9.603	0.052	0.000	QP
6	*	0.786	26.739	17.084	-19.261	46.000	9.603	0.052	0.000	AV
7		2.218	22.066	12.360	-33.934	56.000	9.614	0.093	0.000	QP
8		2.218	16.759	7.053	-29.241	46.000	9.614	0.093	0.000	AV
9		3.358	23.271	13.523	-32.729	56.000	9.633	0.115	0.000	QP
10		3.358	17.441	7.693	-28.559	46.000	9.633	0.115	0.000	AV
11		6.770	21.862	12.001	-38.138	60.000	9.695	0.165	0.000	QP
12		6.770	15.721	5.861	-34.279	50.000	9.695	0.165	0.000	AV

Site: TR1					Time: 2019/06/25						
Limit: FCC_Part15.207_CE					Margin: 0						
Probe: ENV216_101190(0.009-30MHz)					Polarity: Neutral						
EUT: Barcode Scanner					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	38.860	29.241	-26.501	65.361	9.593	0.026	0.000	QP	
2		0.162	19.223	9.604	-36.137	55.361	9.593	0.026	0.000	AV	
3		0.194	38.004	28.377	-25.860	63.864	9.598	0.028	0.000	QP	
4		0.194	18.951	9.325	-34.912	53.864	9.598	0.028	0.000	AV	
5		0.246	36.078	26.449	-25.813	61.891	9.598	0.031	0.000	QP	
6		0.246	17.681	8.053	-34.210	51.891	9.598	0.031	0.000	AV	
7		0.270	34.127	24.496	-26.991	61.118	9.597	0.033	0.000	QP	
8		0.270	15.908	6.277	-35.210	51.118	9.597	0.033	0.000	AV	
9		0.782	33.040	23.397	-22.960	56.000	9.590	0.052	0.000	QP	
10	*	0.782	23.674	14.032	-22.326	46.000	9.590	0.052	0.000	AV	
11		7.246	17.825	7.947	-42.175	60.000	9.707	0.171	0.000	QP	
12		7.246	11.605	1.727	-38.395	50.000	9.707	0.171	0.000	AV	
Remark											
1. " * ", means this data is the worst emission level.											
2. Measurement Level = Reading Level + Factor(Probe+Cable-Amp).											

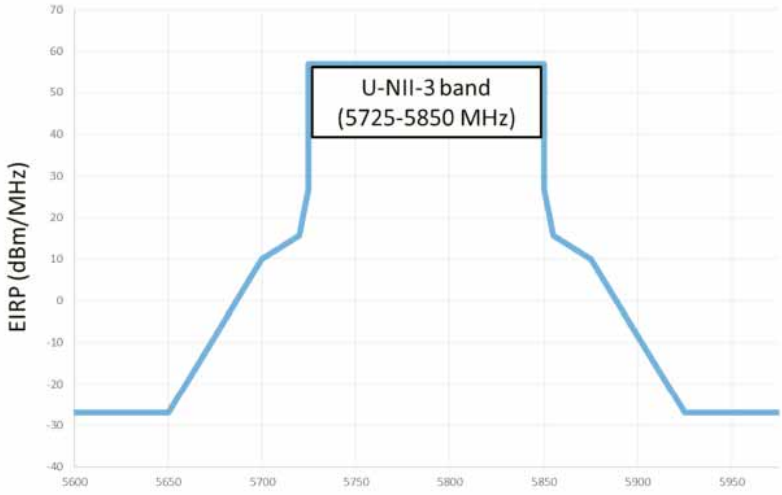
4.2 Radiated Emissions	VERDICT: PASS
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4.2.1 Limit			
Standard		FCC Part 15 Subpart C Paragraph 15.205	
Restricted Bands of operation			
Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (GHz)
0.090 – 0.110	16.42 – 16.423	399.9 – 410	4.5 – 5.15
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)

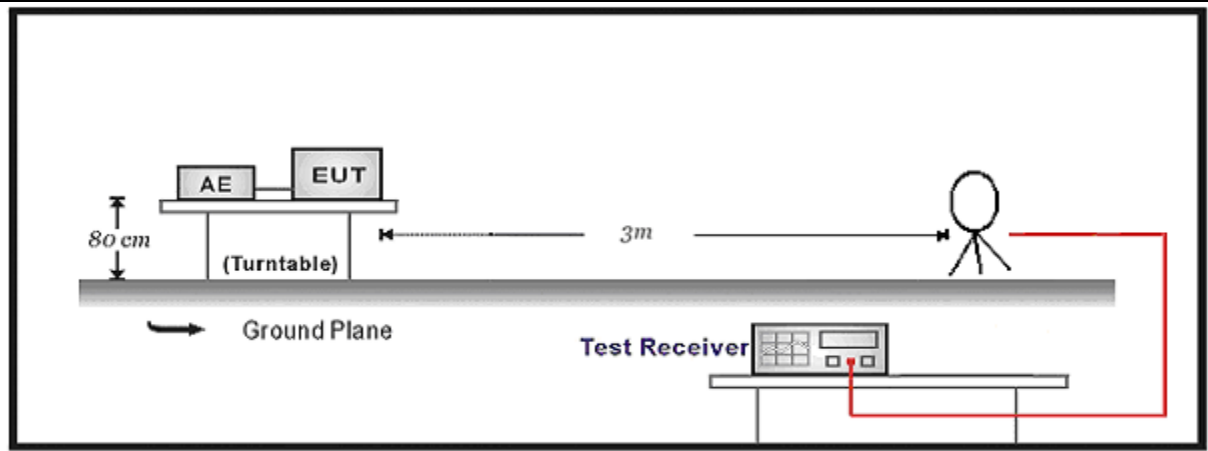
Note 1: At frequencies below 30 MHz, measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field. Pending the development of an appropriate measurement procedure for measurements performed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

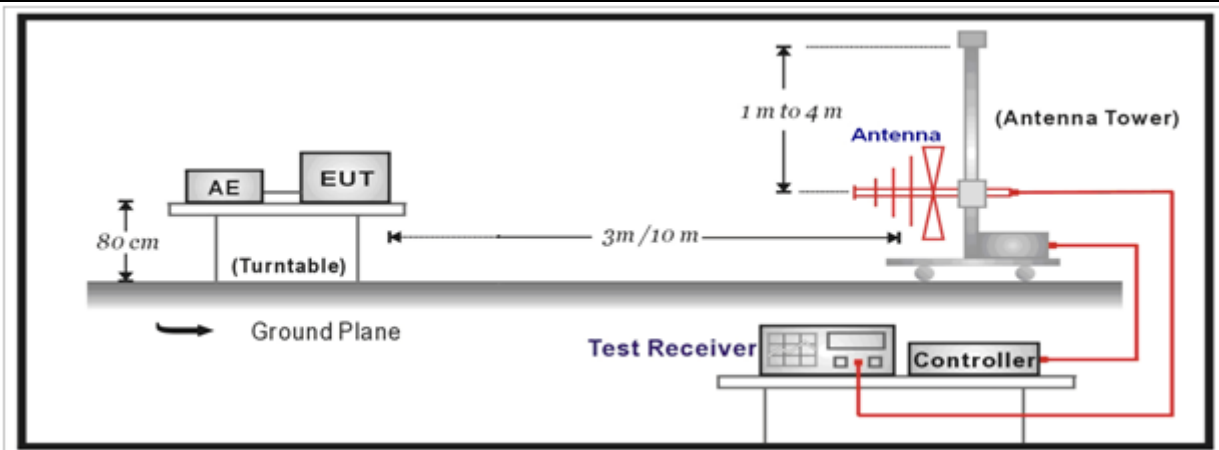
FCC Part 15 Subpart E Paragraph 15.407(5)(b) (Unrestricted Band Emissions Limit)		
Operating Frequency Band (MHz)	EIRP Limit (dBm/MHz)	Equivalent Field Strength at 3m (dB μ V/m)
5150 - 5250	-27	68.3
5250 - 5350	-27	68.3
5470 - 5725	-27	68.3
Operating Frequency Band (MHz)	EIRP Limit (dBm/MHz)	
5725 - 5850	 U-NII-3 band (5725-5850 MHz)	

4.2.2 Test Setup

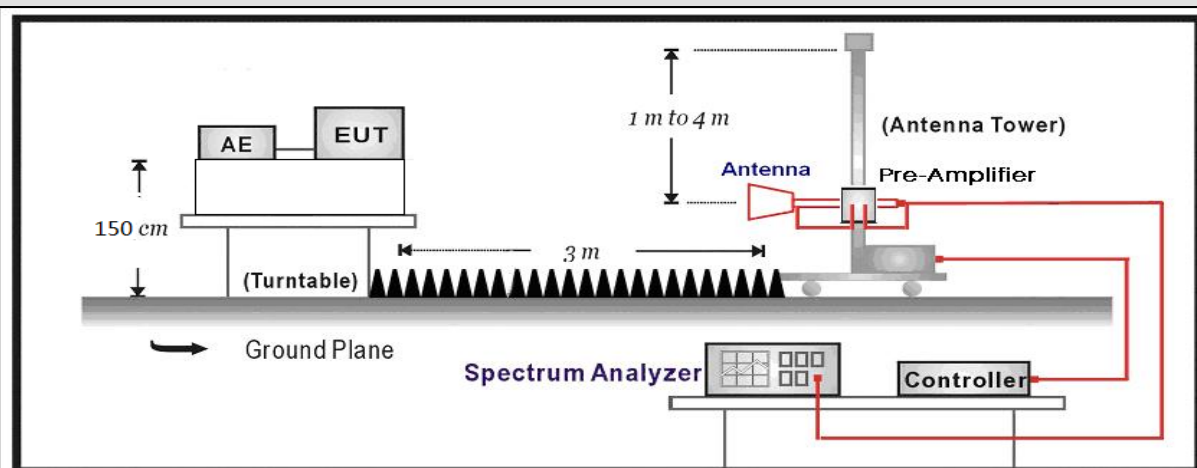
Below 30MHz Test Setup:



30MHz-1GHz Test Setup:



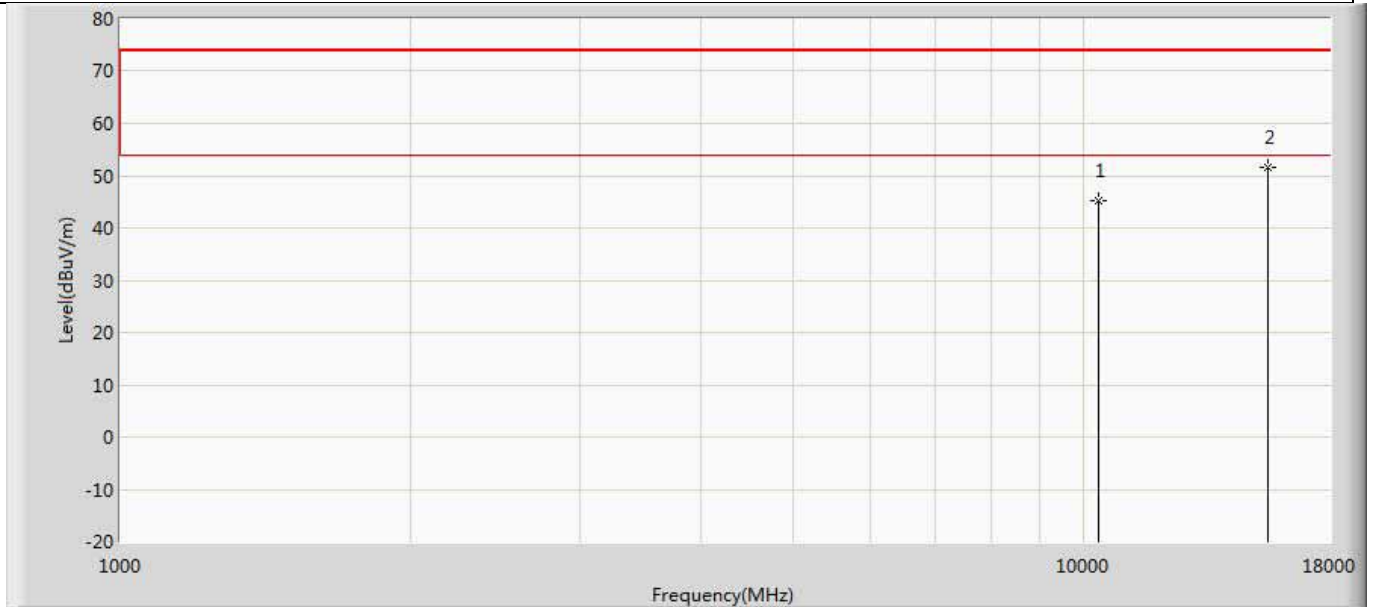
Above 1GHz Test Setup:



4.2.3 Test Procedure				
	References Rule		Chapter	Description
☐	ANSI C63.10		12.7.3	Emissions in non-restricted frequency bands
☒	ANSI C63.10		12.7.2	Emissions in restricted frequency bands
	☒	ANSI C63.10	12.7.5	Radiated emission measurements
	☒	ANSI C63.10	12.7.6	Procedure for peak unwanted emissions measurements above 1000 MHz
	☒	ANSI C63.10	12.7.7	Procedures for average unwanted emissions measurements above 1000 MHz
	☐	ANSI C63.10	12.7.7.2	Method AD (average detection)—primary method
	☒	ANSI C63.10	12.7.7.3	Method VB-A (Alternative)
	☒	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

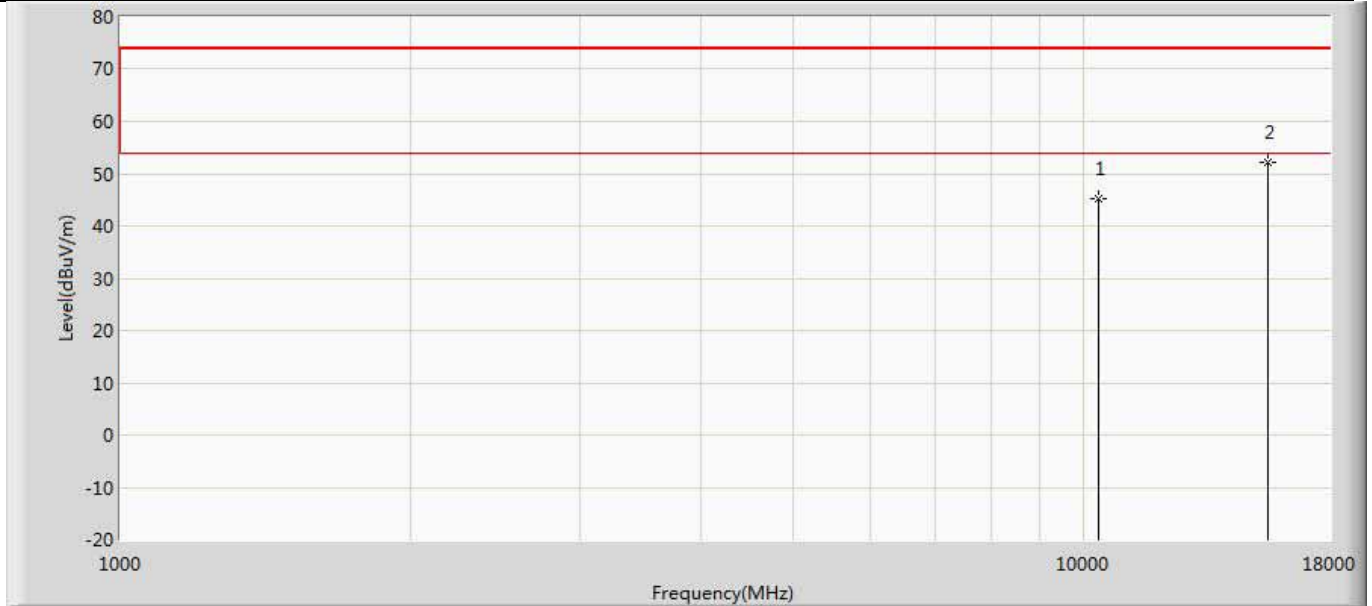
4.2.4 Test Data

Profile: 1962139R	Page No.: 217
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 00:52
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 5180MHz by 11a	



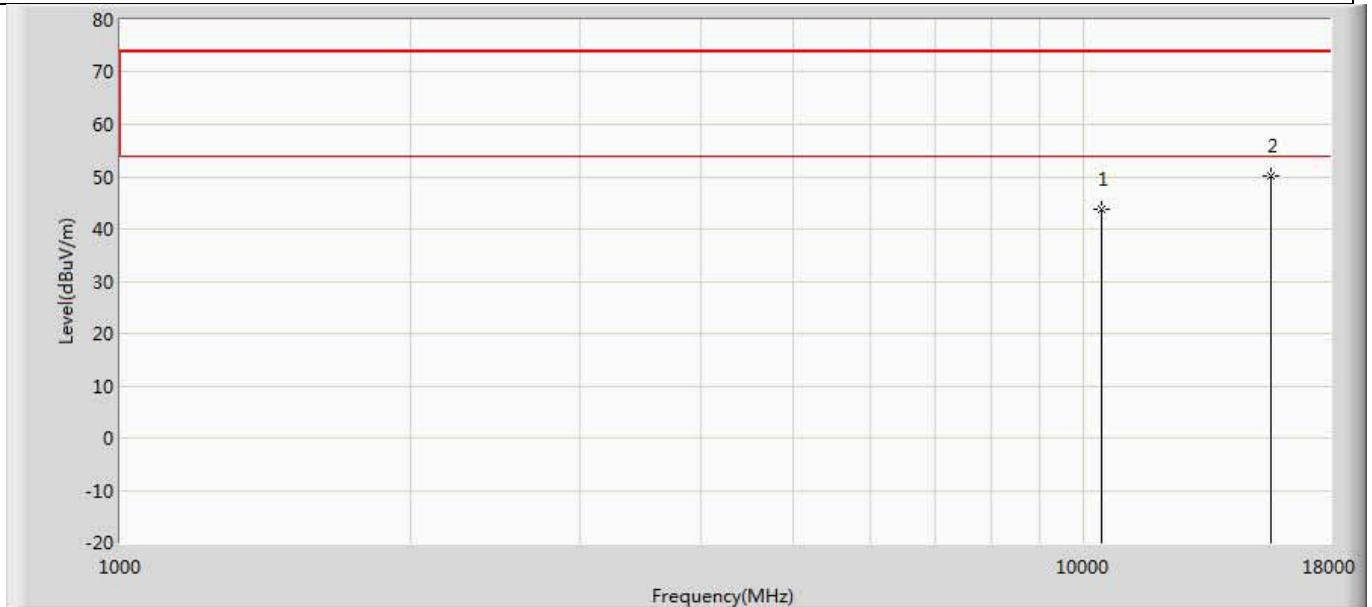
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10360.000	45.201	33.632	-28.799	74.000	11.569	PK
2	*	15540.000	51.639	34.116	-22.361	74.000	17.523	PK

Profile: 1962139R	Page No.: 218
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 00:52
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 5180MHz by 11a	



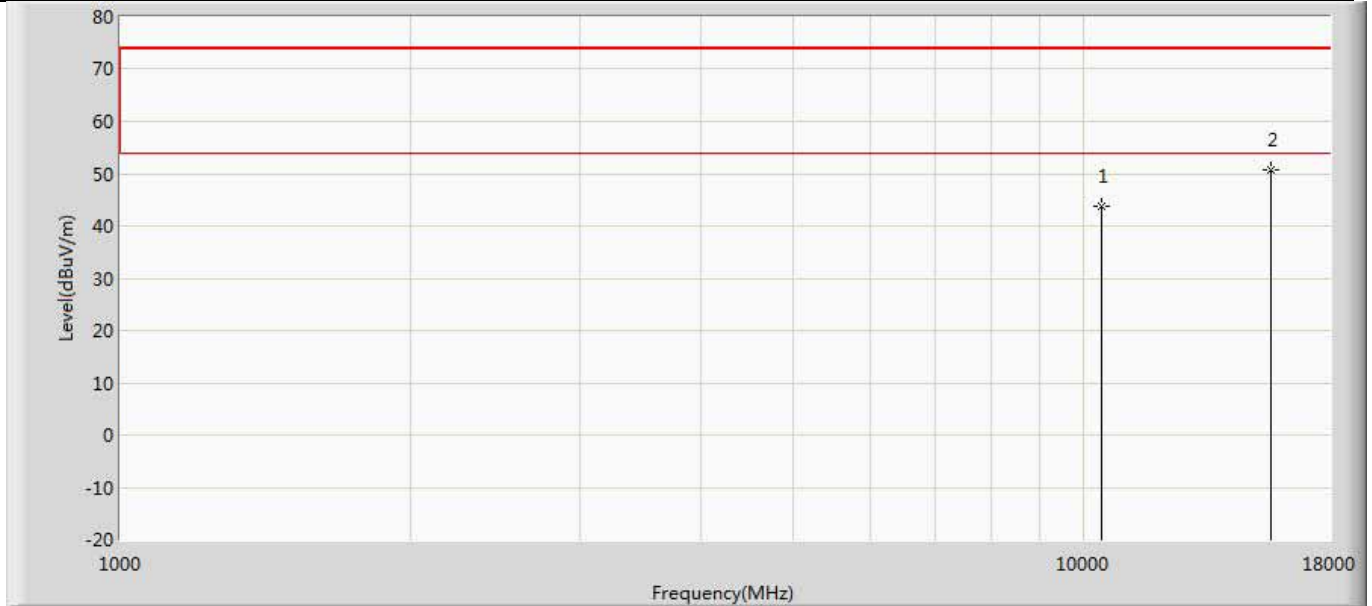
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10360.000	45.132	33.563	-28.868	74.000	11.569	PK
2	*	15540.000	52.104	34.581	-21.896	74.000	17.523	PK

Profile: 1962139R	Page No.: 219
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 00:52
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 5220MHz by 11a	



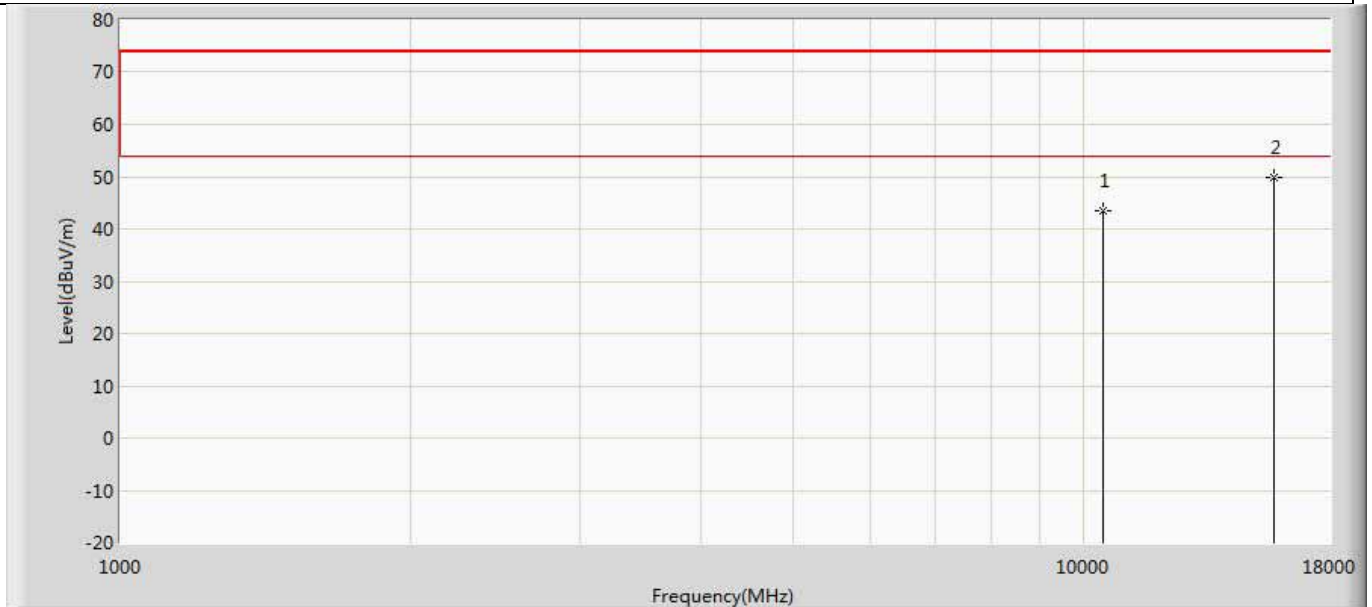
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10440.000	43.809	31.710	-30.191	74.000	12.099	PK
2	*	15660.000	50.113	32.678	-23.887	74.000	17.435	PK

Profile: 1962139R	Page No.: 220
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 00:52
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 5220MHz by 11a	



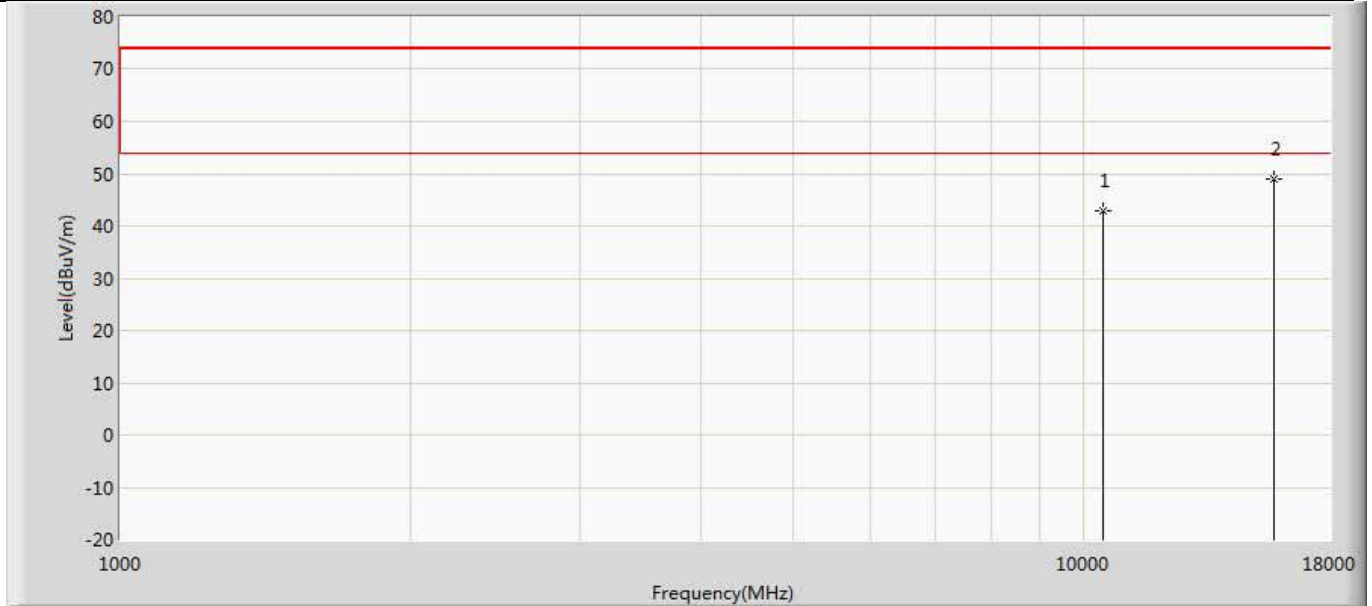
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10440.000	43.748	31.649	-30.252	74.000	12.099	PK
2	*	15660.000	50.819	33.384	-23.181	74.000	17.435	PK

Profile: 1962139R	Page No.: 221
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 00:52
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 5240MHz by 11a	



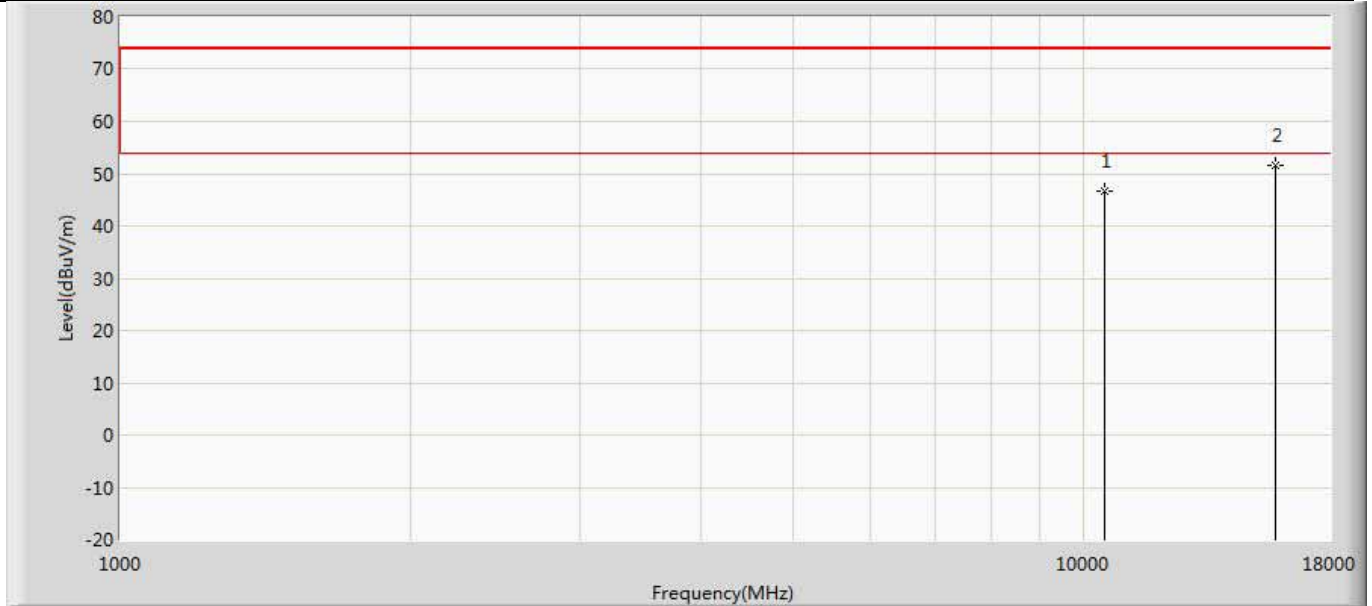
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10480.000	43.412	31.629	-30.588	74.000	11.784	PK
2	*	15720.000	49.737	31.750	-24.263	74.000	17.988	PK

Profile: 1962139R	Page No.: 222
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 00:52
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 5240MHz by 11a	



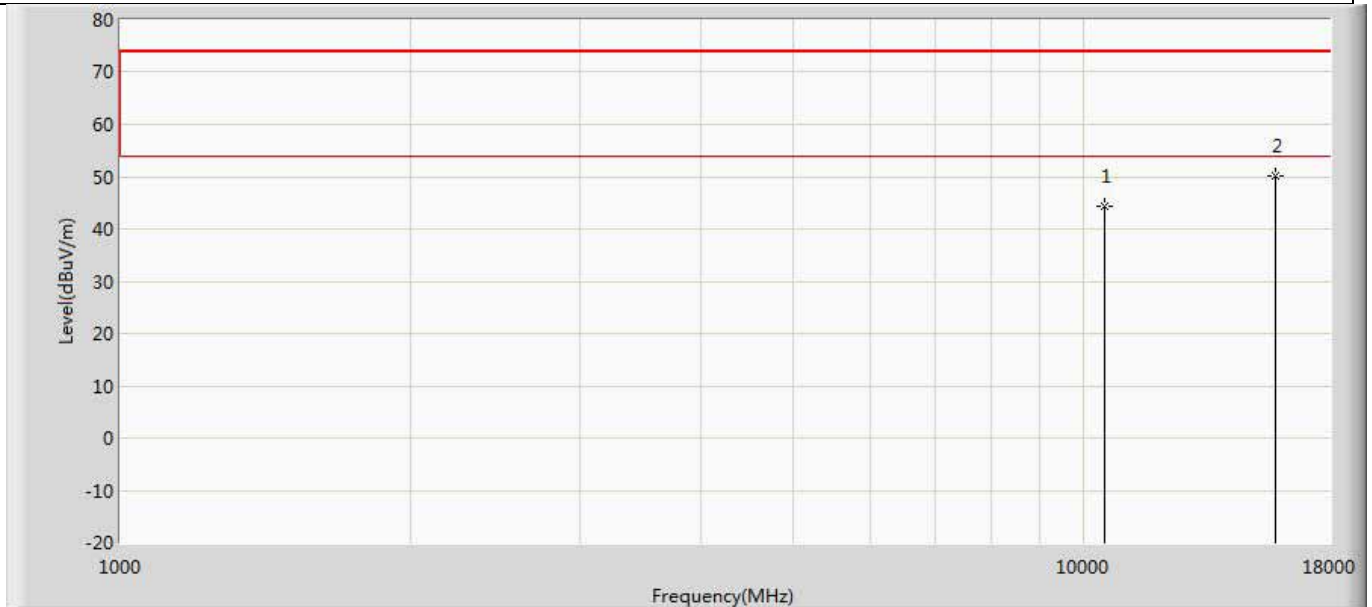
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10480.000	42.912	31.129	-31.088	74.000	11.784	PK
2	*	15720.000	49.105	31.118	-24.895	74.000	17.988	PK

Profile: 1962139R	Page No.: 223
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 00:53
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 5260MHz by 11a	



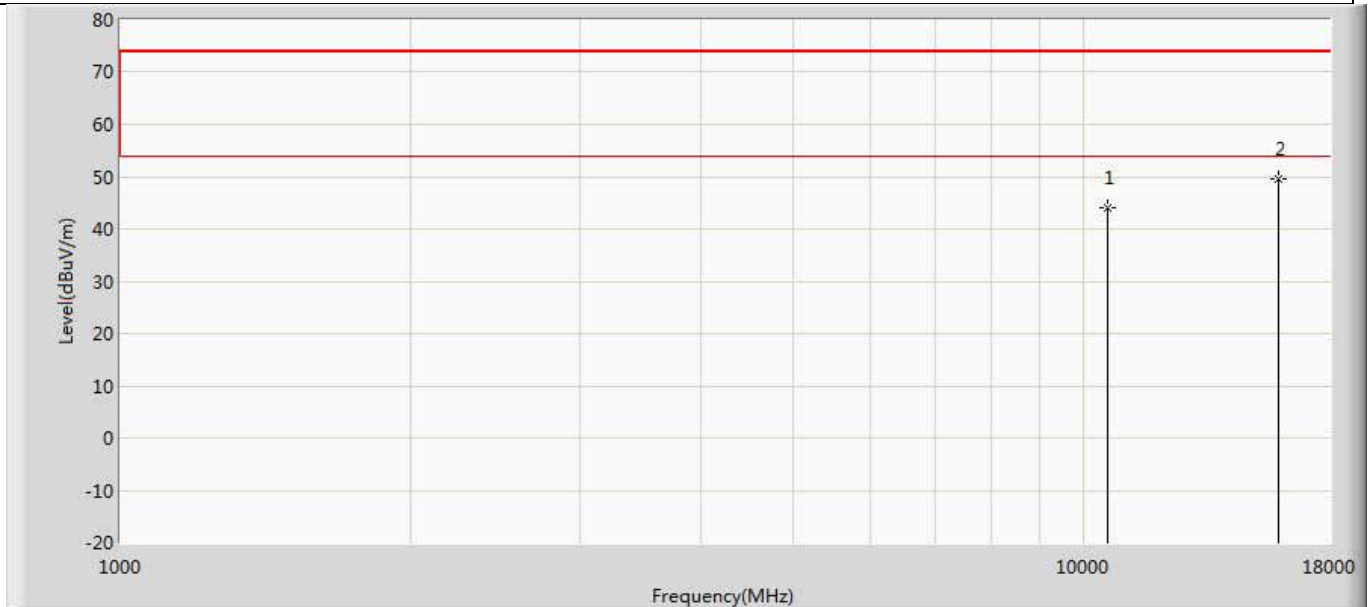
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10520.000	46.523	33.625	-27.477	74.000	12.898	PK
2	*	15780.000	51.451	33.316	-22.549	74.000	18.135	PK

Profile: 1962139R	Page No.: 224
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 00:53
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 5260MHz by 11a	



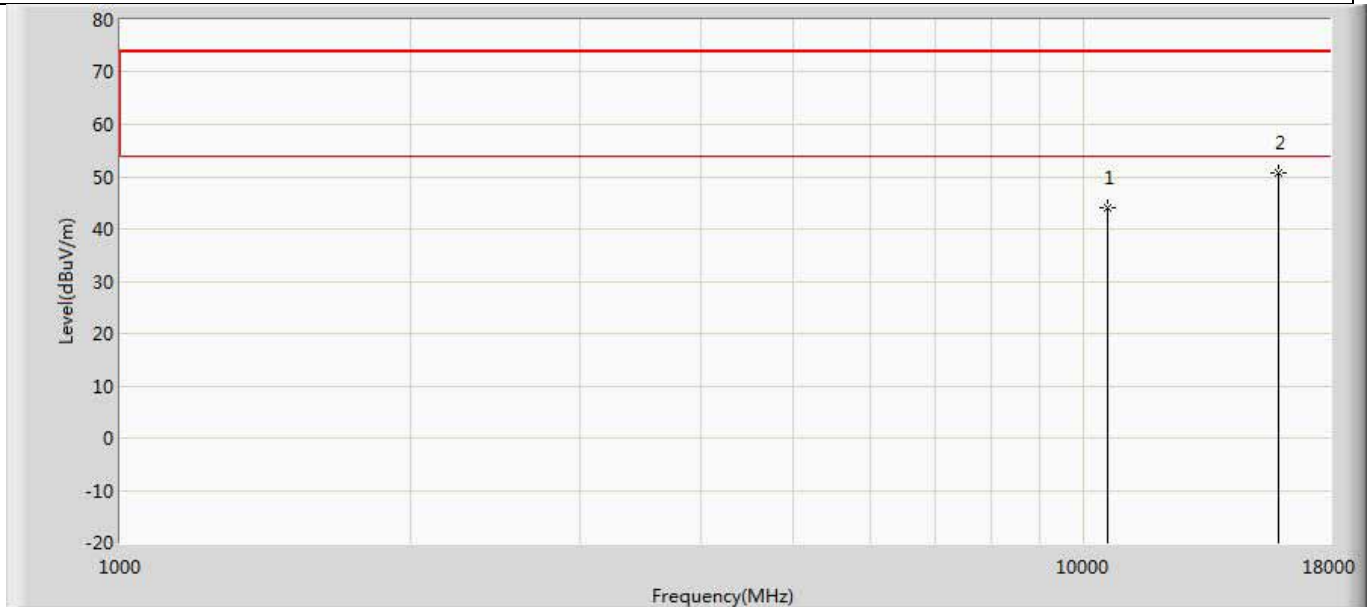
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10520.000	44.418	31.520	-29.582	74.000	12.898	PK
2	*	15780.000	50.046	31.911	-23.954	74.000	18.135	PK

Profile: 1962139R	Page No.: 225
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 00:53
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 5300MHz by 11a	



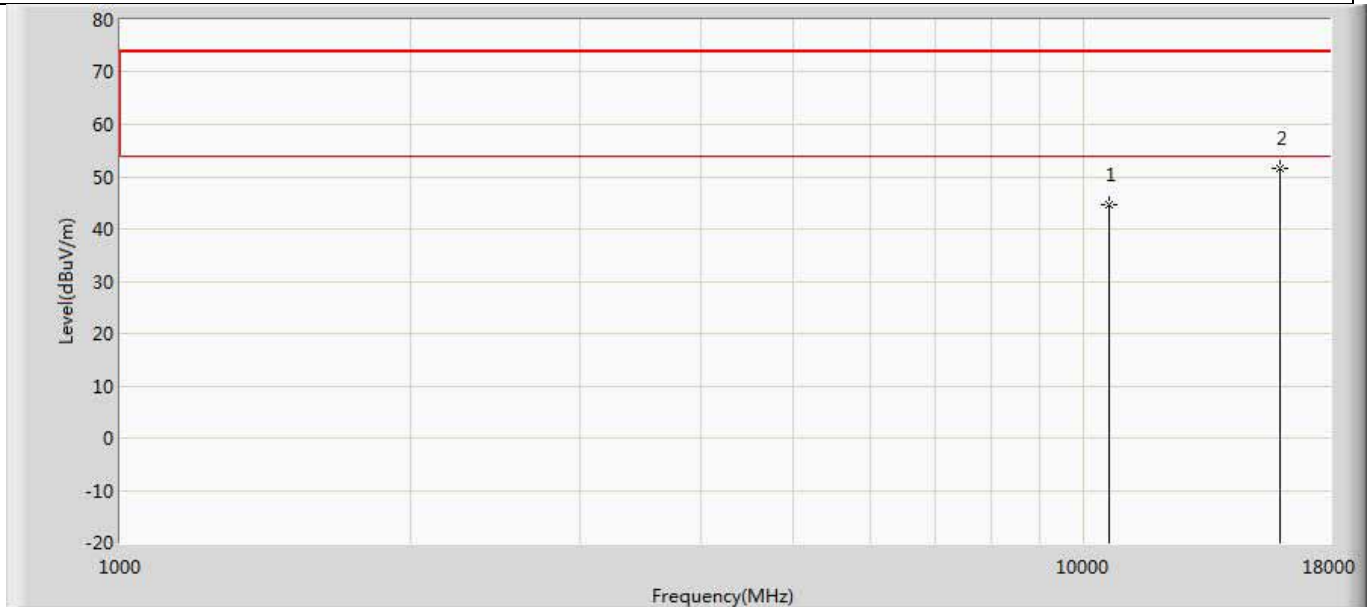
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10600.000	44.028	32.044	-29.972	74.000	11.983	PK
2	*	15900.000	49.647	31.622	-24.353	74.000	18.025	PK

Profile: 1962139R	Page No.: 226
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 00:53
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 5300MHz by 11a	



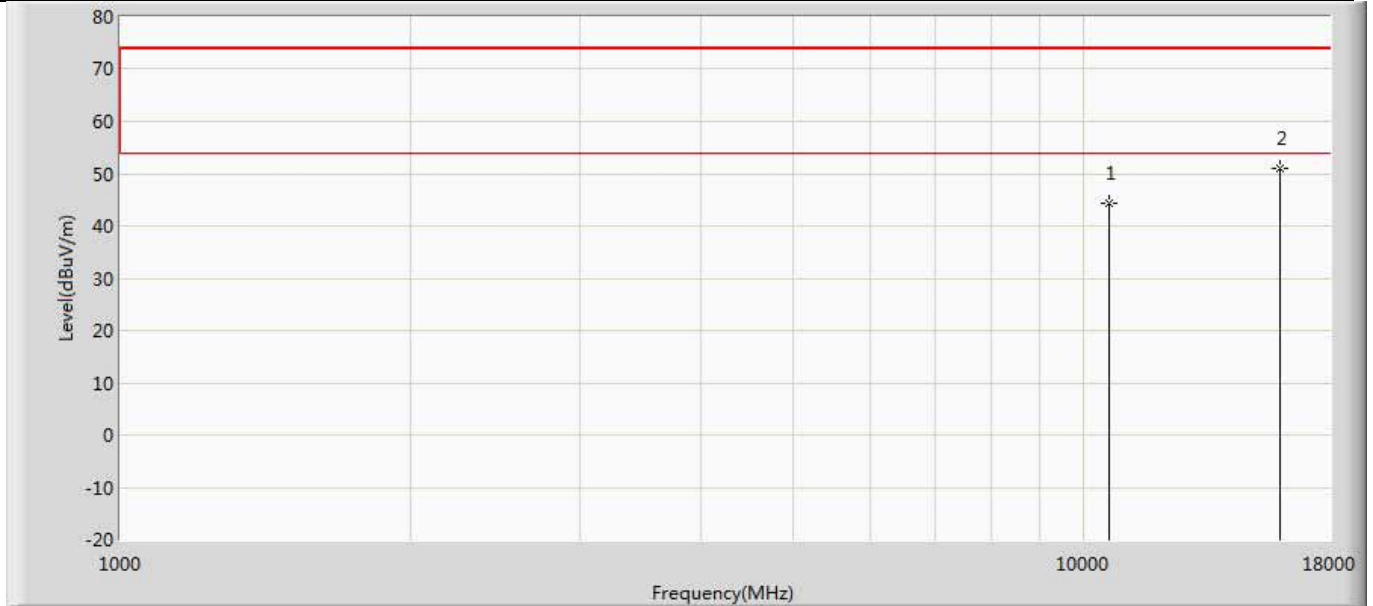
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10600.000	44.035	32.051	-29.965	74.000	11.983	PK
2	*	15900.000	50.795	32.770	-23.205	74.000	18.025	PK

Profile: 1962139R	Page No.: 227
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 00:53
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 5320MHz by 11a	



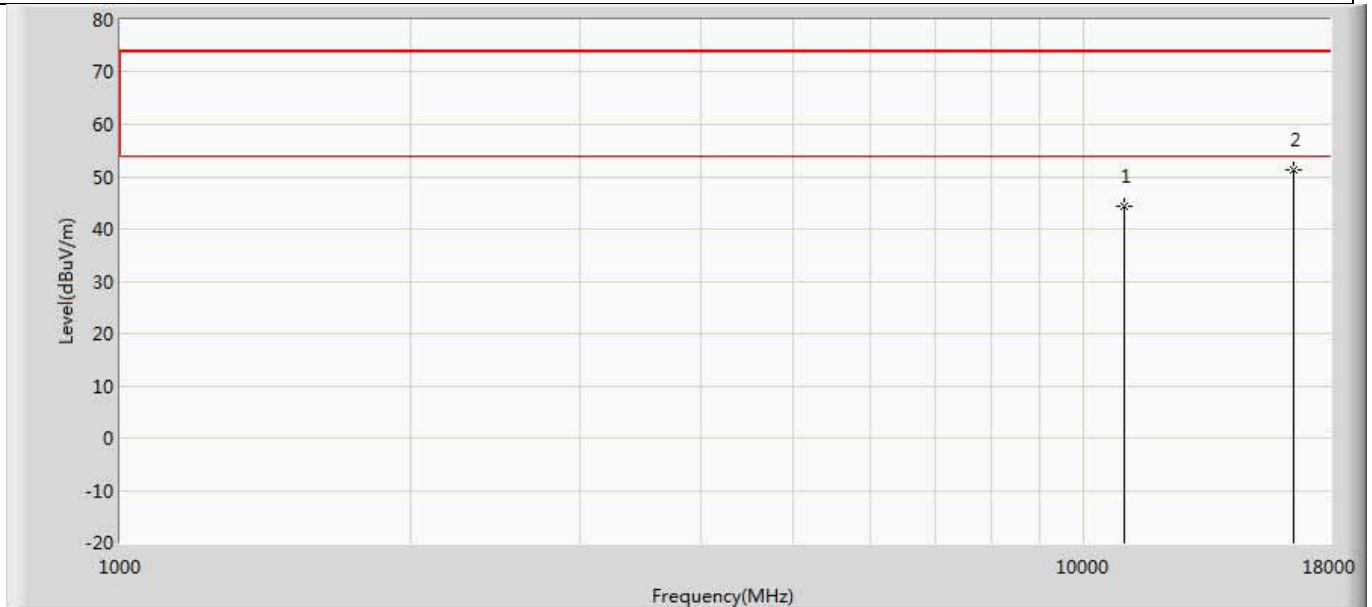
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10640.000	44.529	32.724	-29.471	74.000	11.805	PK
2	*	15960.000	51.537	33.958	-22.463	74.000	17.579	PK

Profile: 1962139R	Page No.: 228
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 00:53
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 5320MHz by 11a	



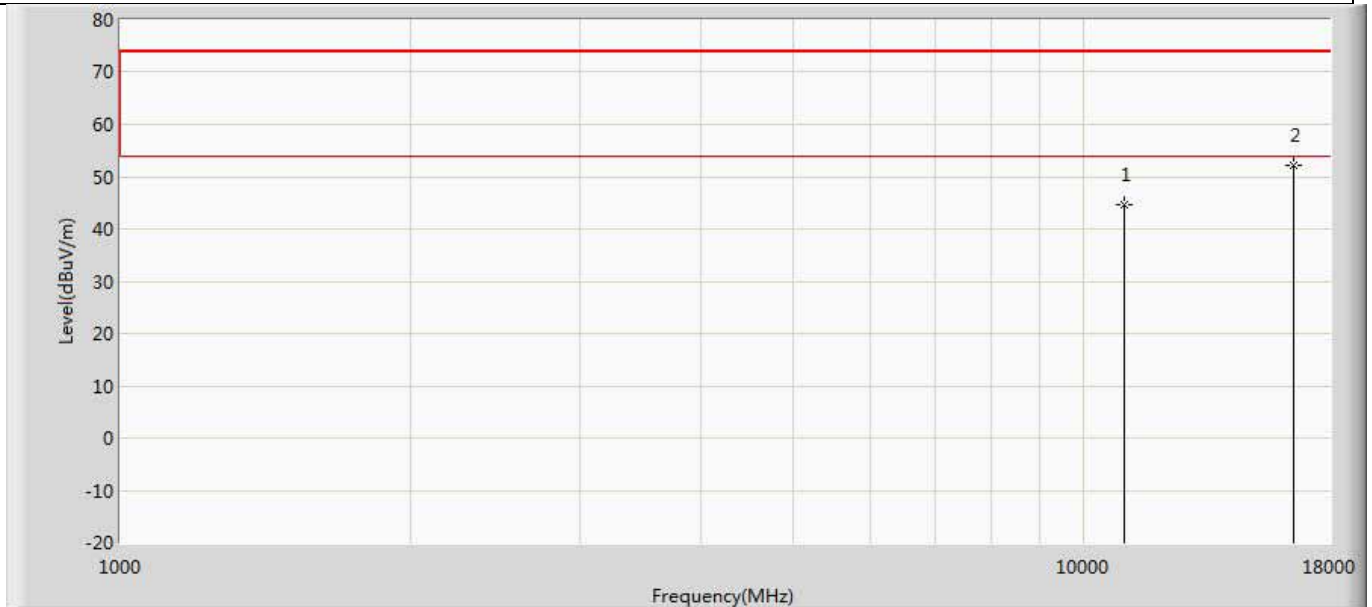
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10640.000	44.230	32.425	-29.770	74.000	11.805	PK
2	*	15960.000	51.013	33.434	-22.987	74.000	17.579	PK

Profile: 1962139R	Page No.: 229
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 00:53
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 5500MHz by 11a	



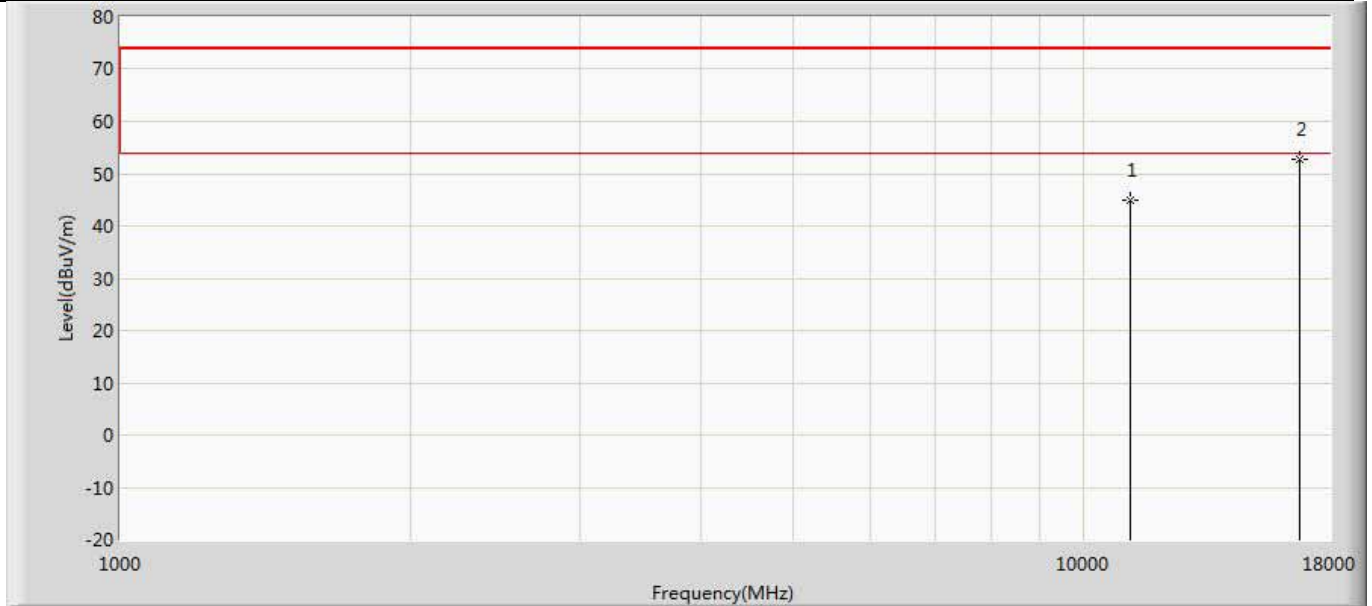
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11000.000	44.211	31.392	-29.789	74.000	12.818	PK
2	*	16500.000	51.390	32.609	-22.610	74.000	18.781	PK

Profile: 1962139R	Page No.: 230
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 00:53
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 5500MHz by 11a	



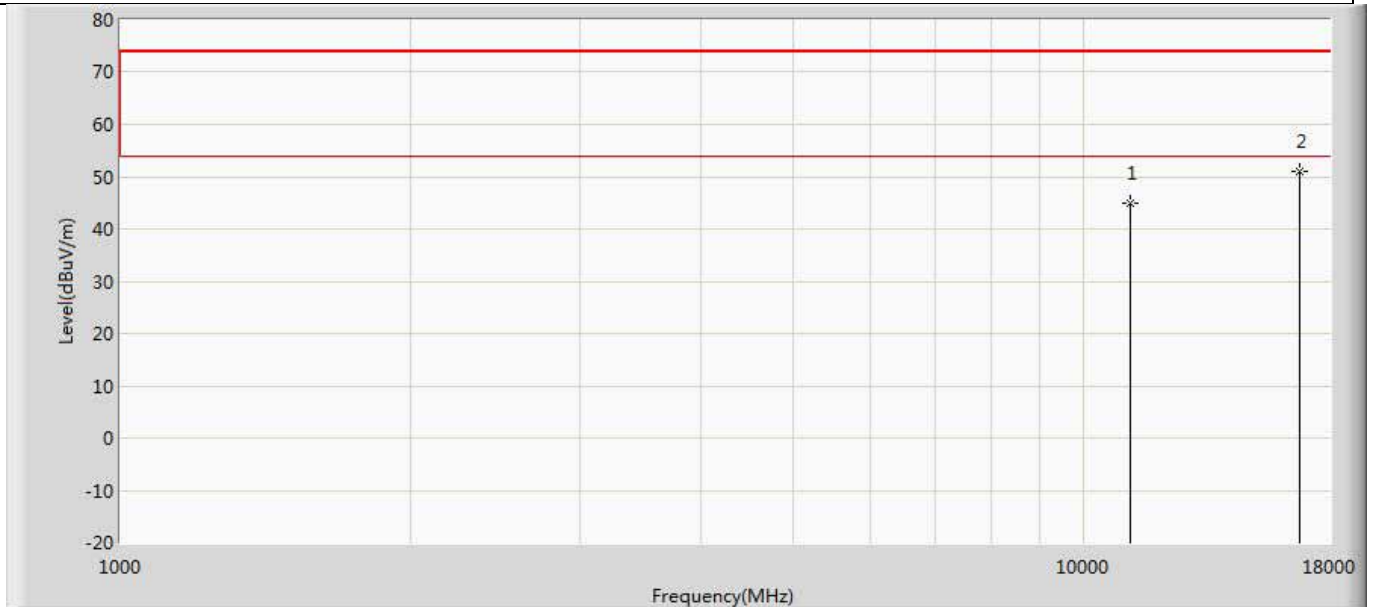
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11000.000	44.625	31.806	-29.375	74.000	12.818	PK
2	*	16500.000	52.261	33.480	-21.739	74.000	18.781	PK

Profile: 1962139R	Page No.: 231
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 00:53
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 5580MHz by 11a	



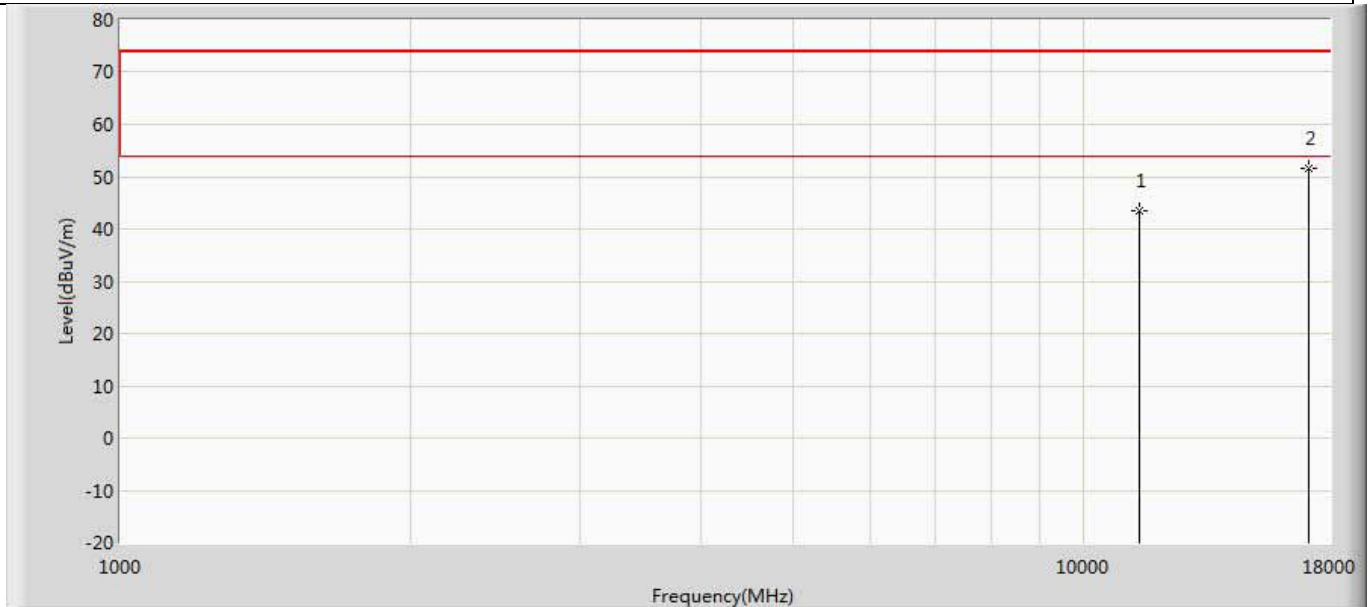
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11160.000	44.857	31.381	-29.143	74.000	13.477	PK
2	*	16740.000	52.713	34.184	-21.287	74.000	18.530	PK

Profile: 1962139R	Page No.: 232
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 00:53
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 5580MHz by 11a	



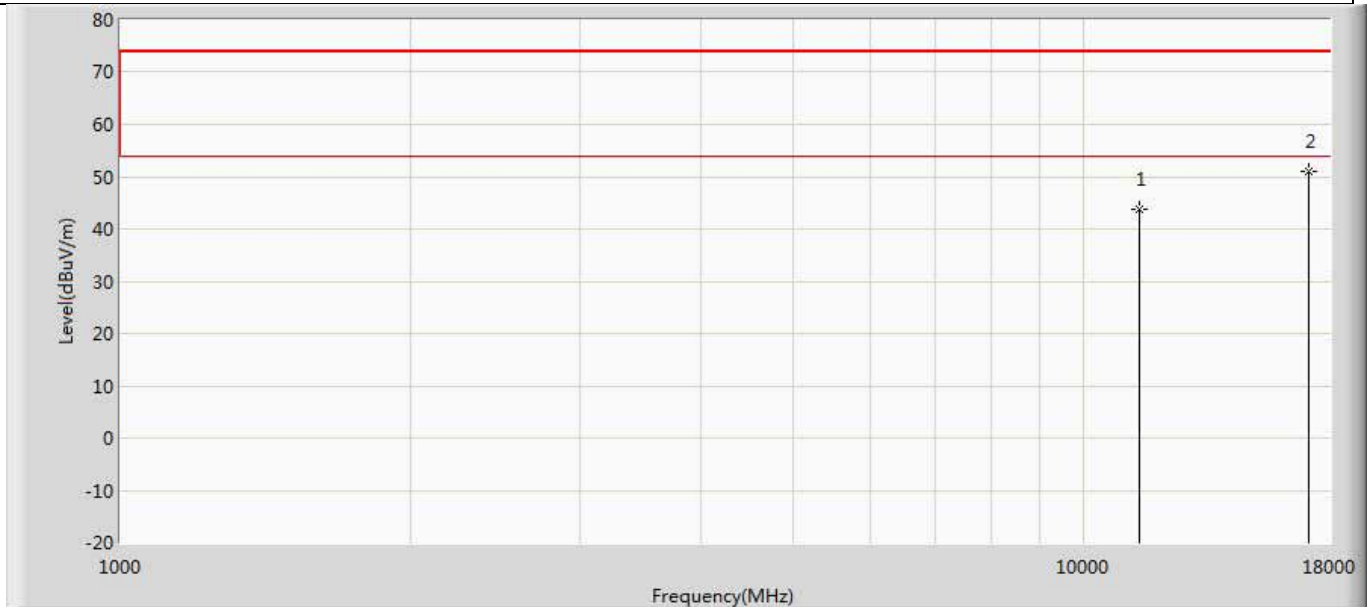
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11160.000	44.815	31.339	-29.185	74.000	13.477	PK
2	*	16740.000	50.895	32.366	-23.105	74.000	18.530	PK

Profile: 1962139R	Page No.: 233
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 00:54
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 5700MHz by 11a	



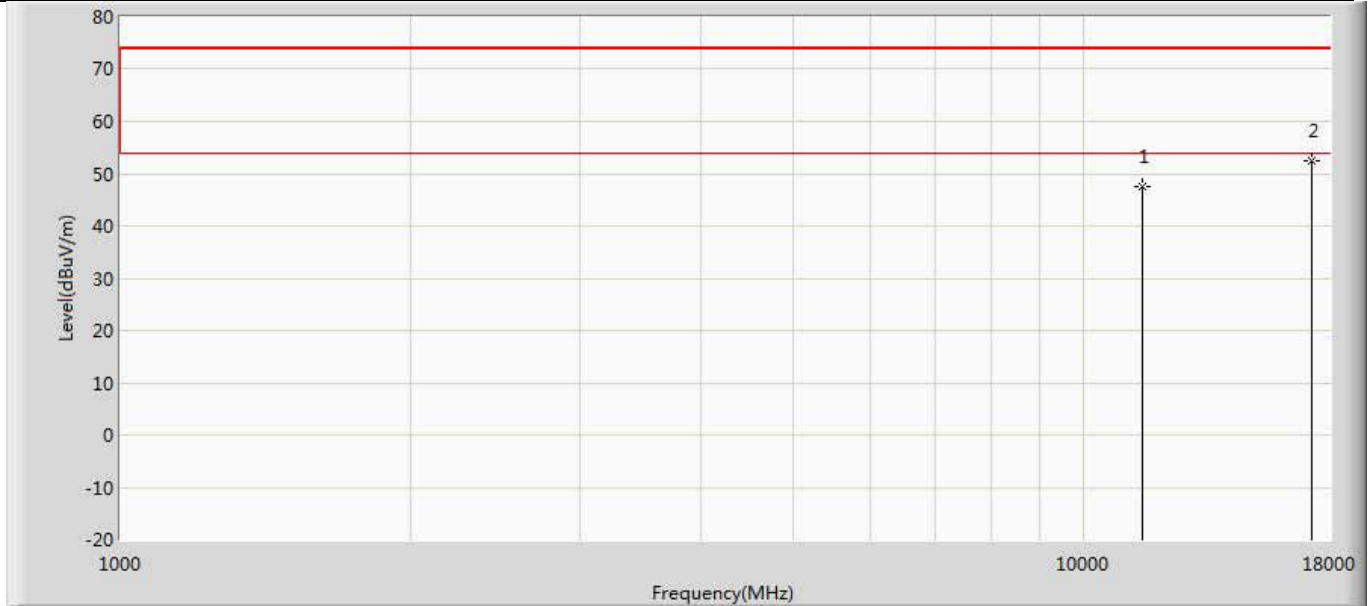
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11400.000	43.498	30.137	-30.502	74.000	13.361	PK
2	*	17100.000	51.461	31.549	-22.539	74.000	19.912	PK

Profile: 1962139R	Page No.: 234
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 00:54
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 5700MHz by 11a	



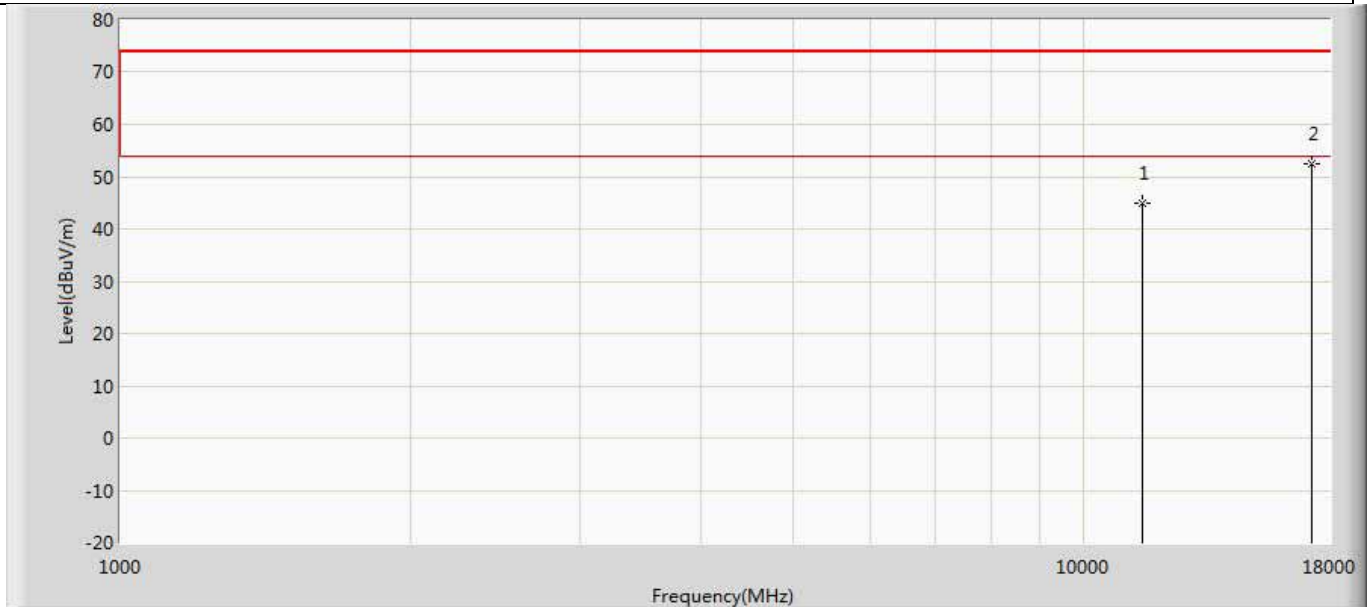
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11400.000	43.828	30.467	-30.172	74.000	13.361	PK
2	*	17100.000	50.944	31.032	-23.056	74.000	19.912	PK

Profile: 1962139R	Page No.: 235
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 00:54
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 5745MHz by 11a	



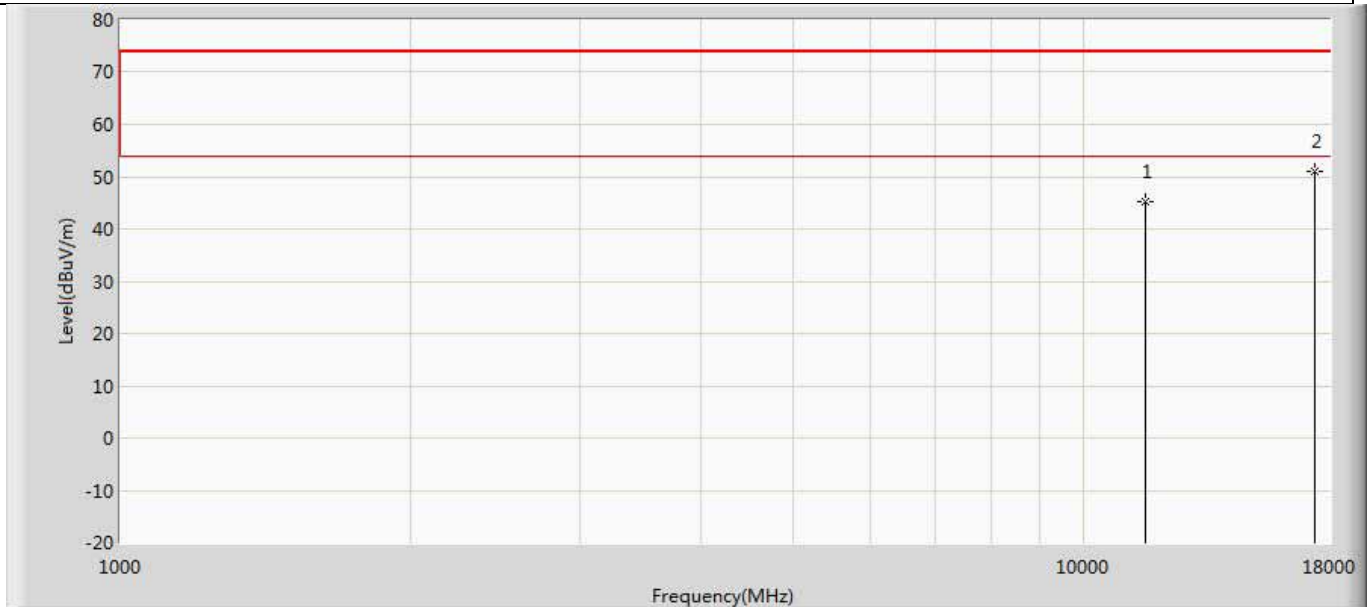
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11490.000	47.394	34.153	-26.606	74.000	13.241	PK
2	*	17235.000	52.597	32.398	-21.403	74.000	20.199	PK

Profile: 1962139R	Page No.: 236
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 00:54
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 5745MHz by 11a	



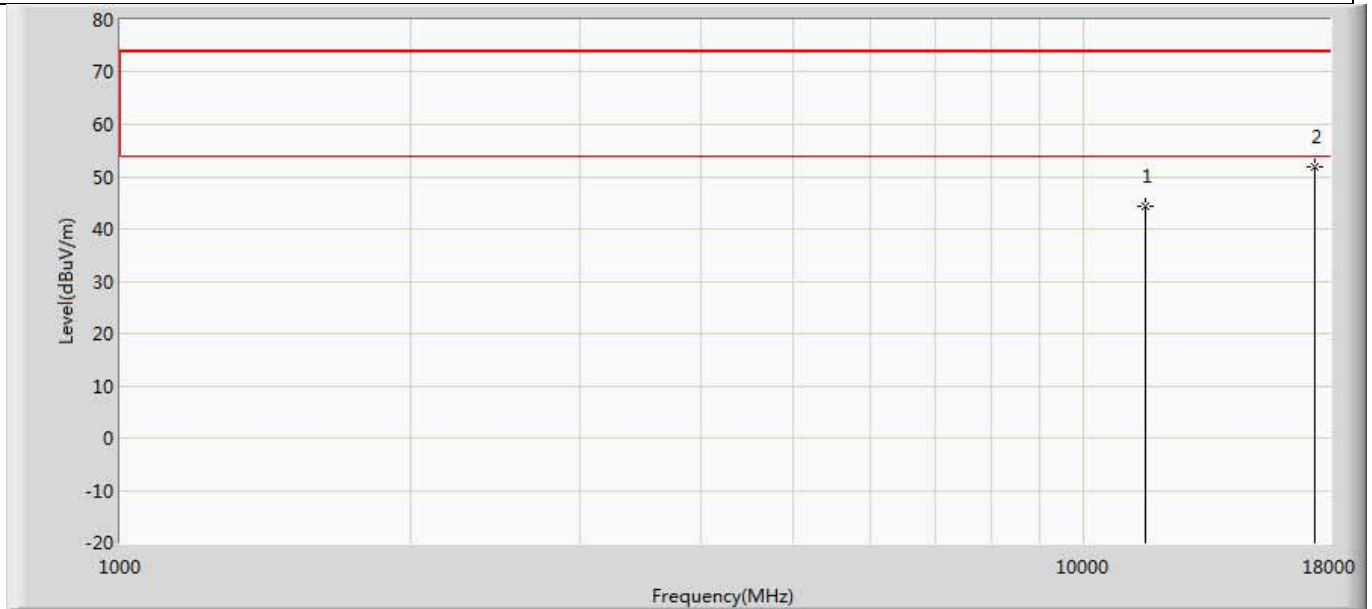
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11490.000	44.945	31.704	-29.055	74.000	13.241	PK
2	*	17235.000	52.362	32.163	-21.638	74.000	20.199	PK

Profile: 1962139R	Page No.: 237
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 00:54
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 5785MHz by 11a	



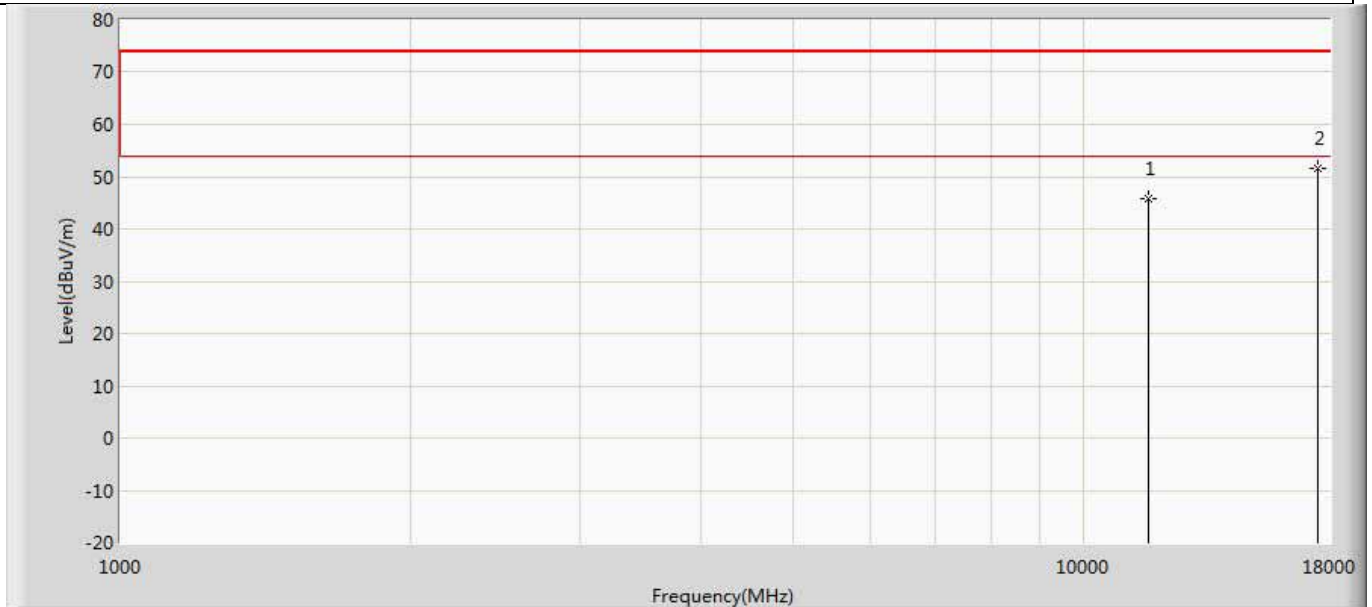
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11570.000	45.127	31.600	-28.873	74.000	13.528	PK
2	*	17355.000	51.033	31.497	-22.967	74.000	19.536	PK

Profile: 1962139R	Page No.: 238
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 00:54
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 5785MHz by 11a	



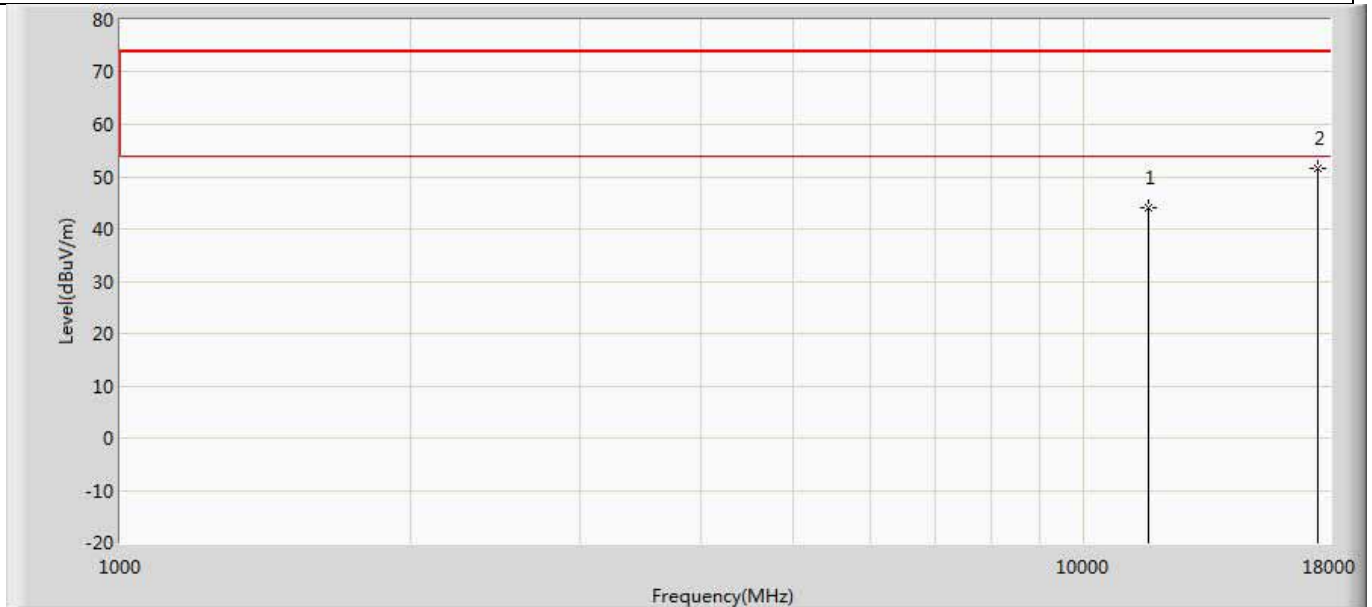
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11570.000	44.359	30.832	-29.641	74.000	13.528	PK
2	*	17355.000	51.784	32.248	-22.216	74.000	19.536	PK

Profile: 1962139R	Page No.: 239
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 00:54
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 5825MHz by 11a	



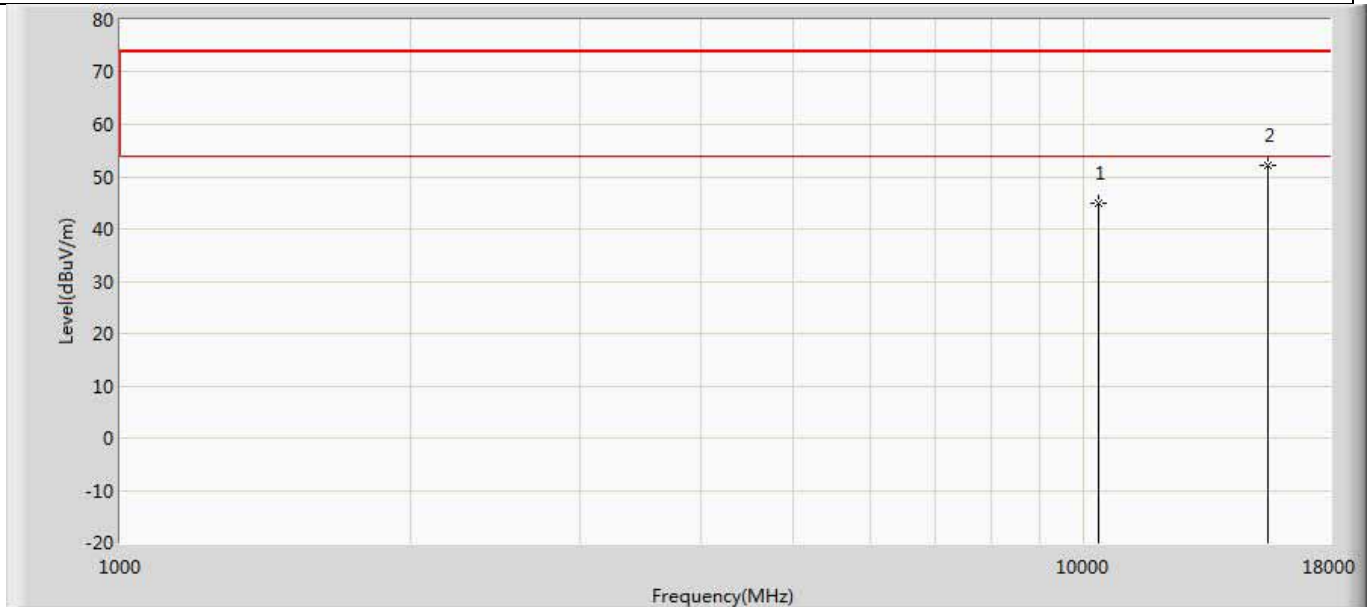
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11650.000	45.799	31.892	-28.201	74.000	13.907	PK
2	*	17475.000	51.715	32.176	-22.285	74.000	19.539	PK

Profile: 1962139R	Page No.: 240
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 00:54
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 5825MHz by 11a	



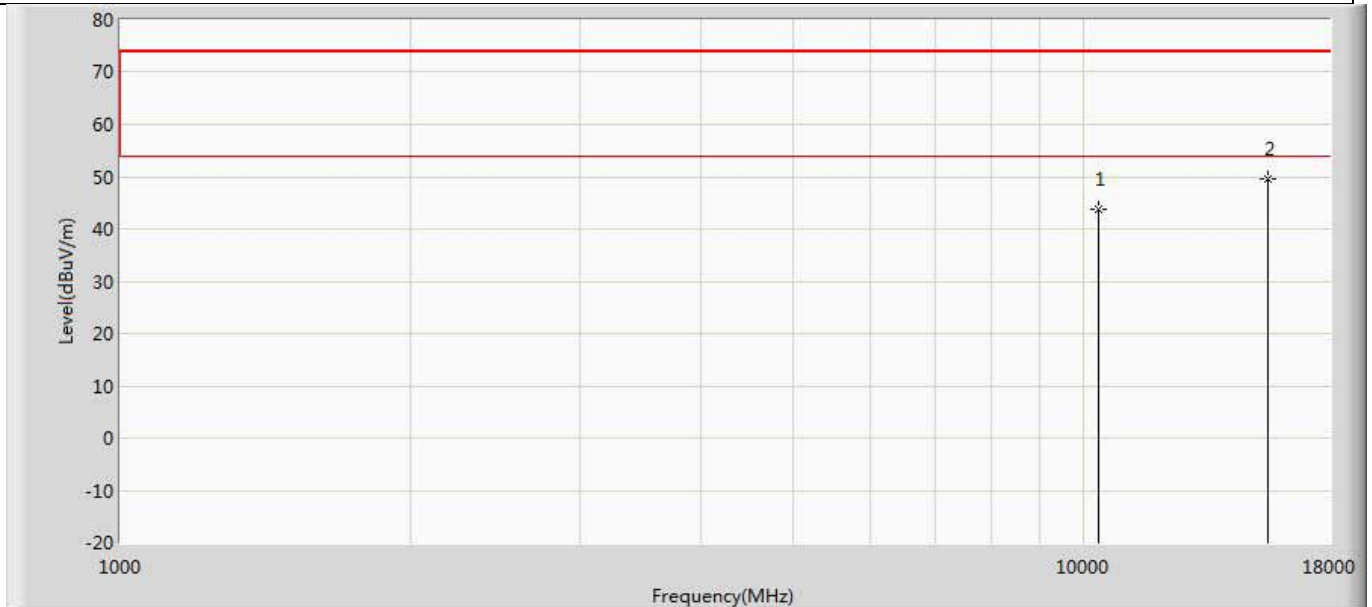
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11650.000	43.918	30.011	-30.082	74.000	13.907	PK
2	*	17475.000	51.486	31.947	-22.514	74.000	19.539	PK

Profile: 1962139R	Page No.: 241
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 00:54
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 5180MHz by 11n20	



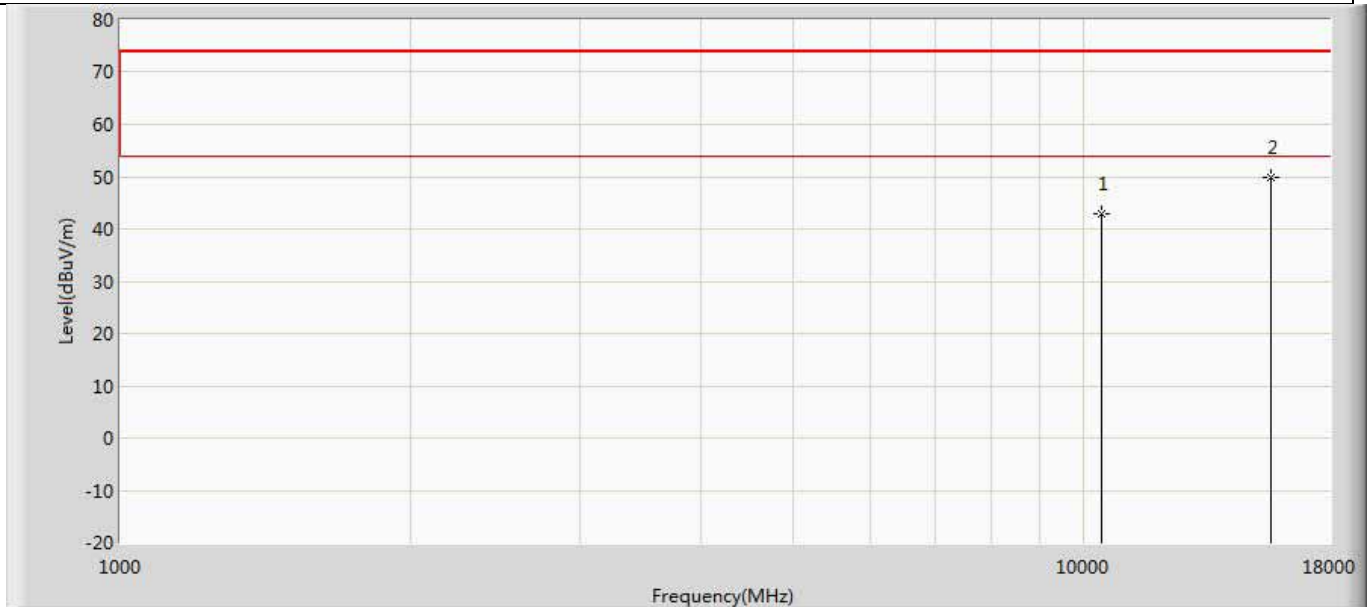
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10360.000	44.867	33.298	-29.133	74.000	11.569	PK
2	*	15540.000	52.079	34.556	-21.921	74.000	17.523	PK

Profile: 1962139R	Page No.: 242
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 00:54
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 5180MHz by 11n20	



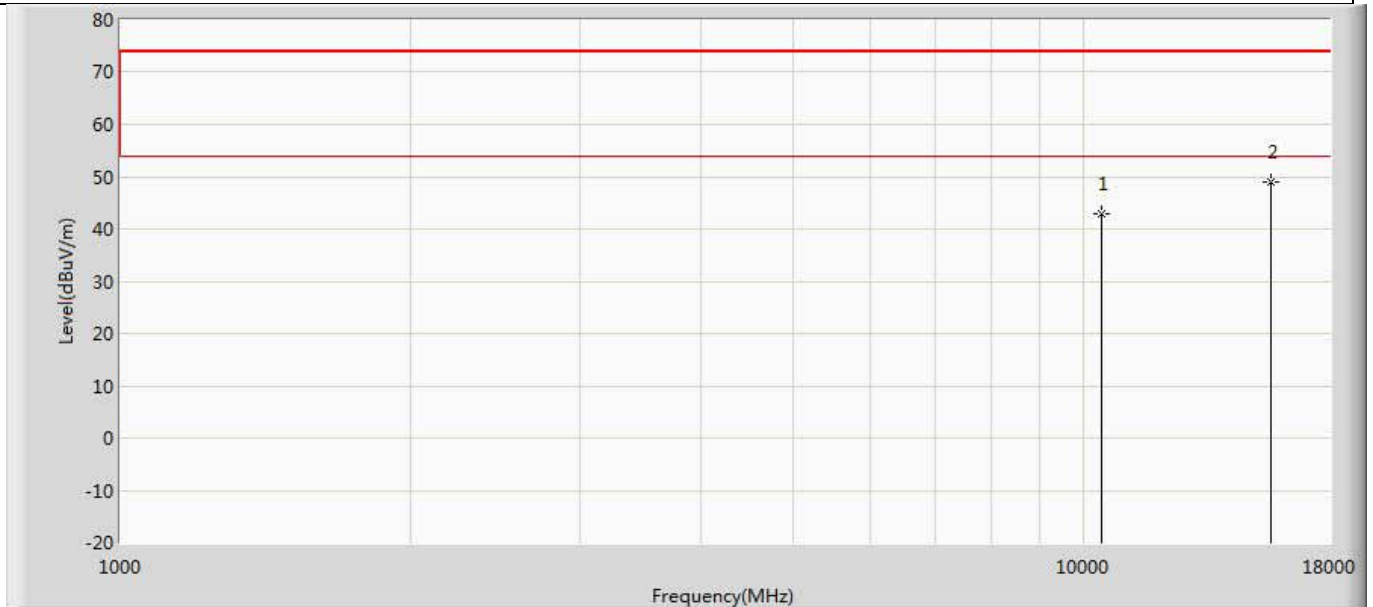
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10360.000	43.874	32.305	-30.126	74.000	11.569	PK
2	*	15540.000	49.629	32.106	-24.371	74.000	17.523	PK

Profile: 1962139R	Page No.: 243
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 00:54
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 5220MHz by 11n20	



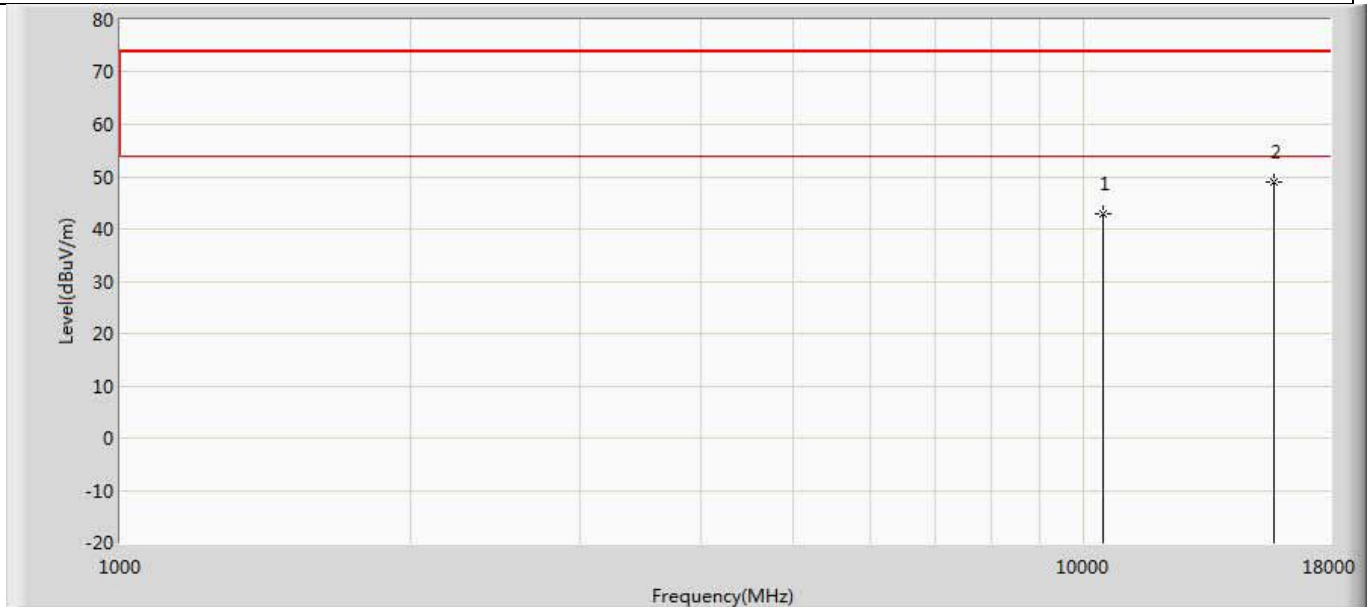
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10440.000	42.797	30.698	-31.203	74.000	12.099	PK
2	*	15660.000	49.962	32.527	-24.038	74.000	17.435	PK

Profile: 1962139R	Page No.: 244
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 00:55
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 5220MHz by 11n20	



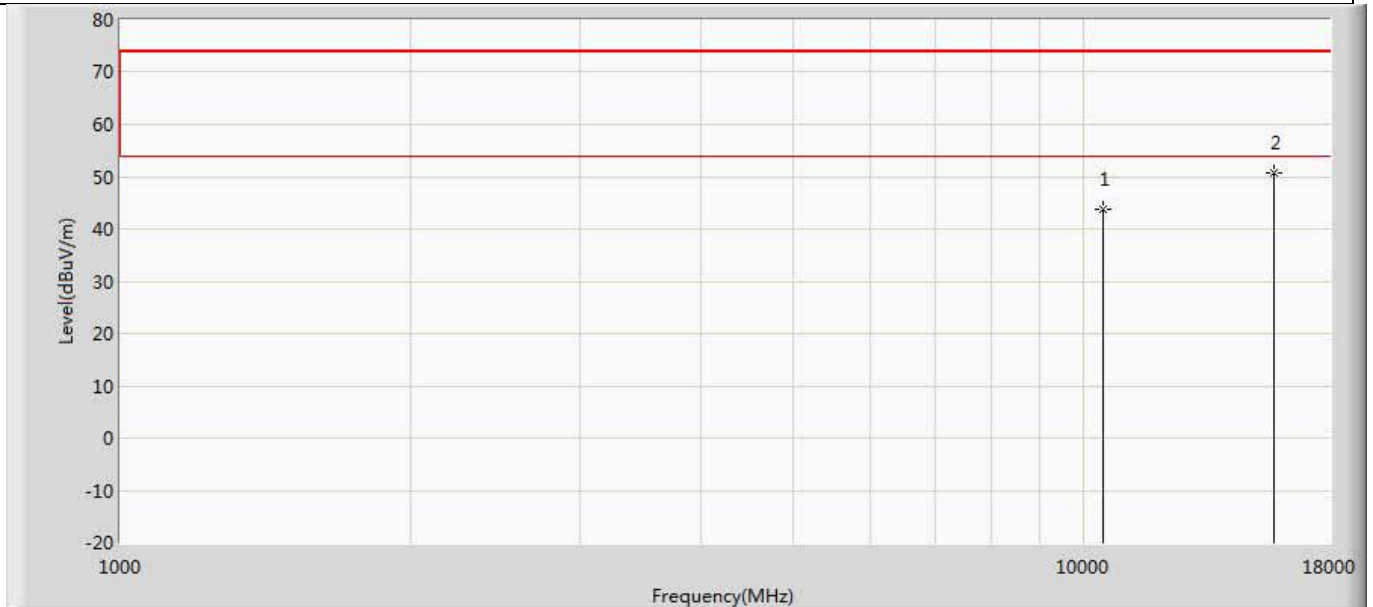
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10440.000	42.899	30.800	-31.101	74.000	12.099	PK
2	*	15660.000	49.116	31.681	-24.884	74.000	17.435	PK

Profile: 1962139R	Page No.: 245
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 00:55
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 5240MHz by 11n20	



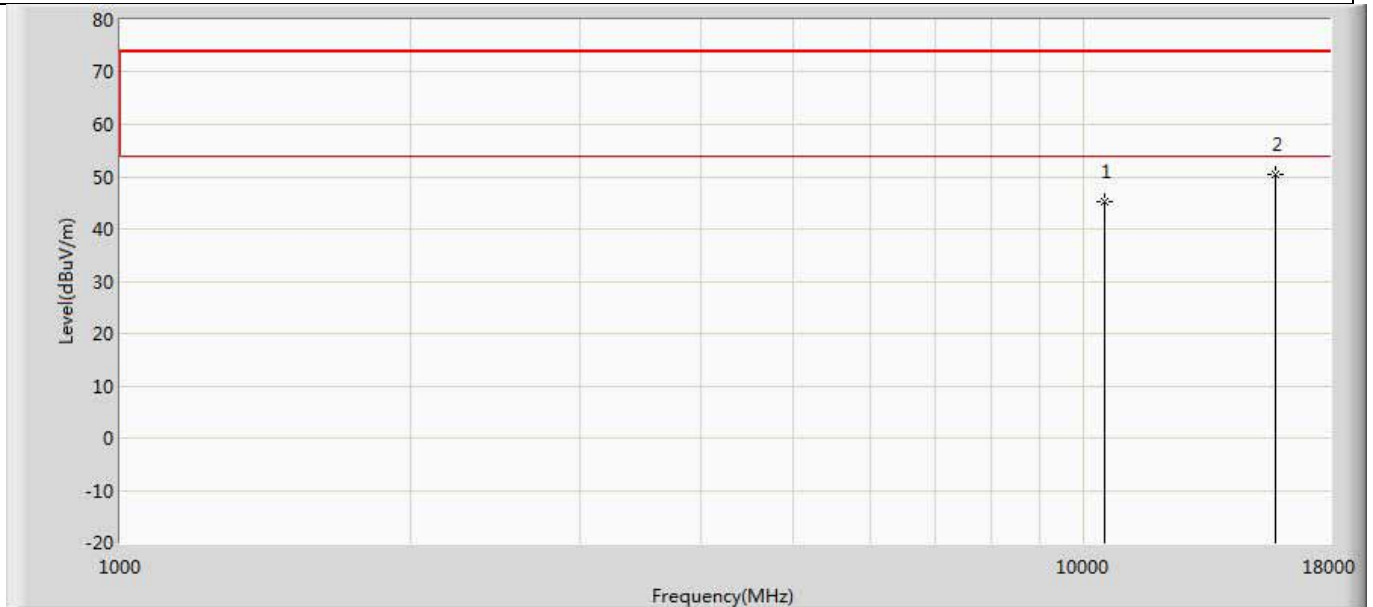
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10480.000	42.988	31.205	-31.012	74.000	11.784	PK
2	*	15720.000	49.110	31.123	-24.890	74.000	17.988	PK

Profile: 1962139R	Page No.: 246
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 00:55
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 5240MHz by 11n20	



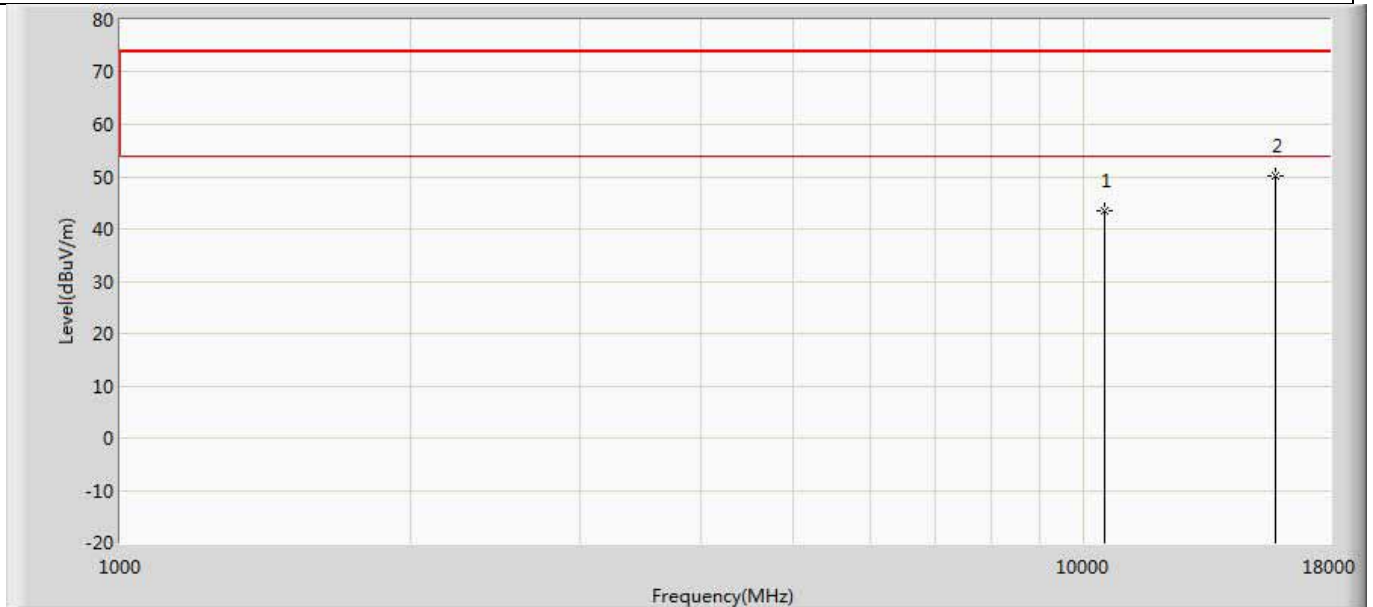
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10480.000	43.653	31.870	-30.347	74.000	11.784	PK
2	*	15720.000	50.633	32.646	-23.367	74.000	17.988	PK

Profile: 1962139R	Page No.: 247
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 00:55
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 5260MHz by 11n20	



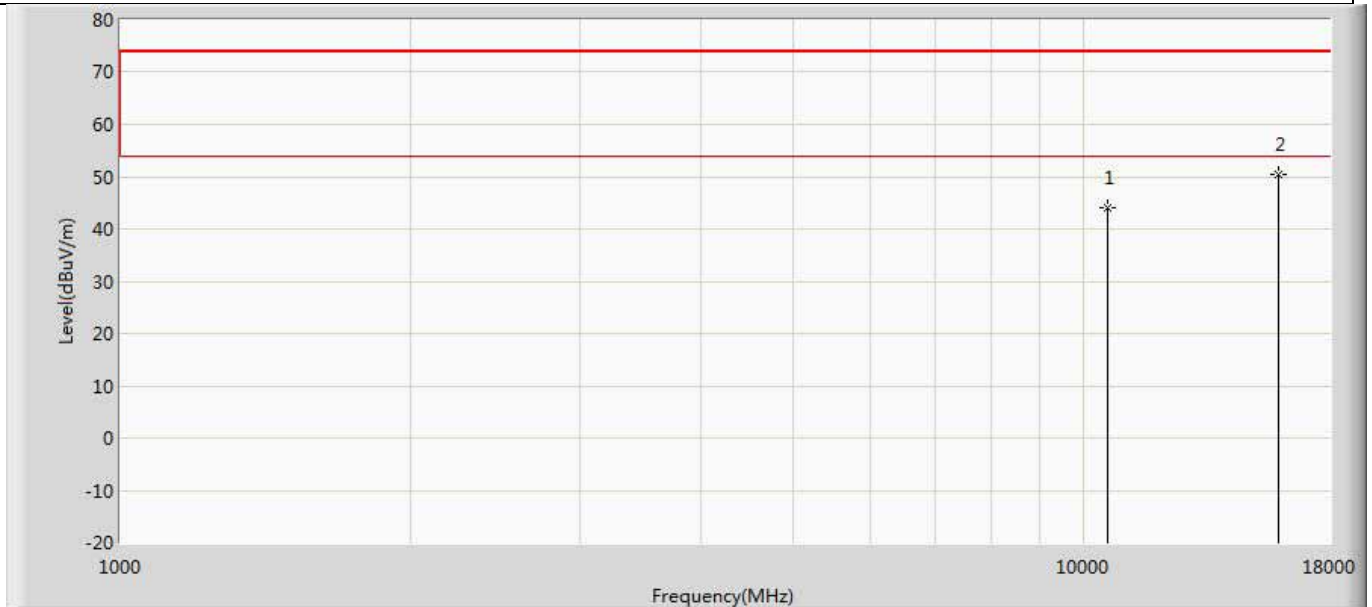
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10520.000	45.113	32.215	-28.887	74.000	12.898	PK
2	*	15780.000	50.557	32.422	-23.443	74.000	18.135	PK

Profile: 1962139R	Page No.: 248
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 00:55
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 5260MHz by 11n20	



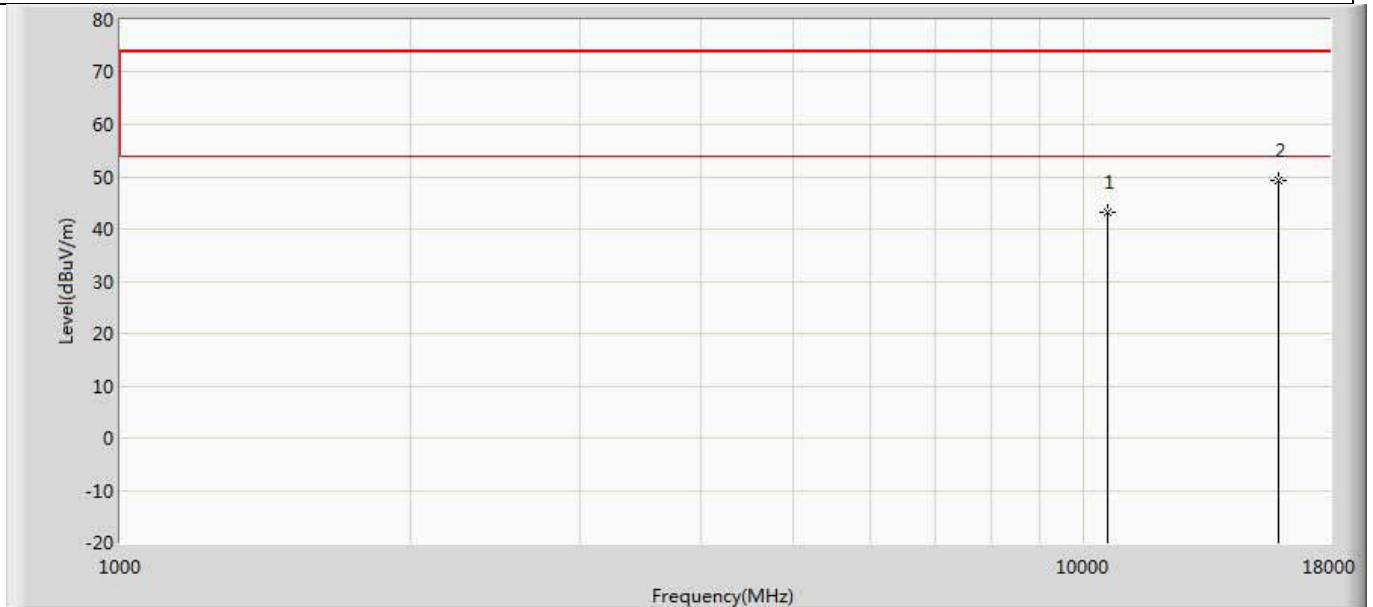
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10520.000	43.374	30.476	-30.626	74.000	12.898	PK
2	*	15780.000	50.237	32.102	-23.763	74.000	18.135	PK

Profile: 1962139R	Page No.: 249
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 00:55
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 5300MHz by 11n20	



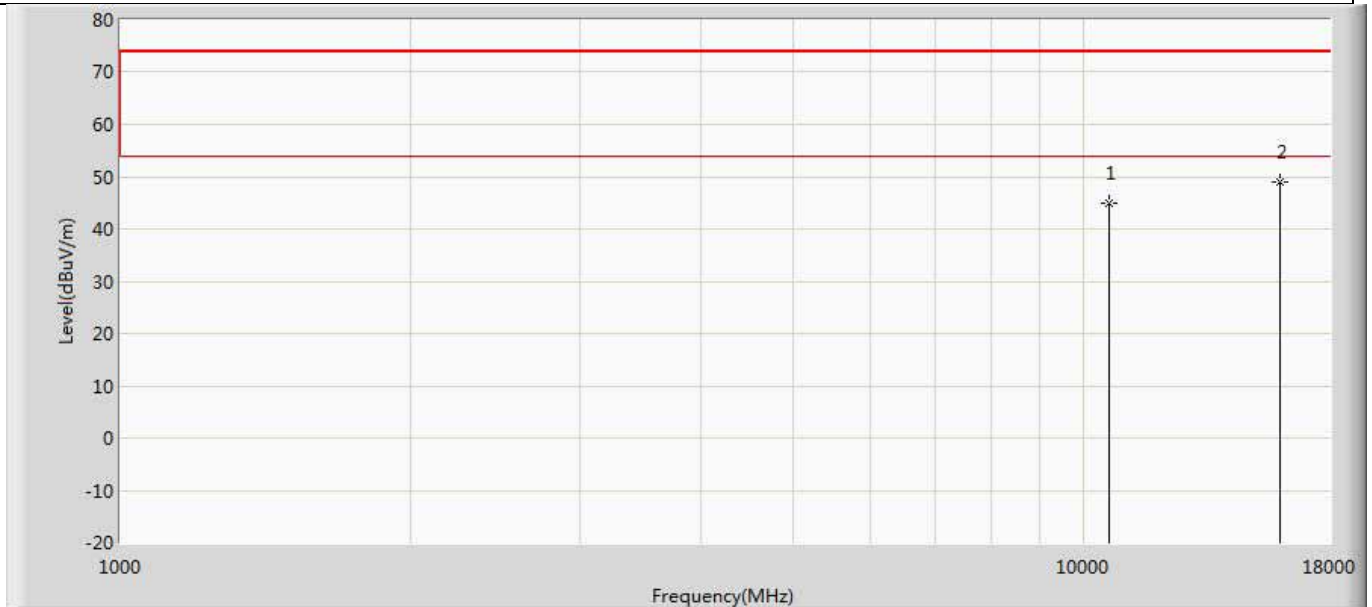
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10600.000	43.923	31.939	-30.077	74.000	11.983	PK
2	*	15900.000	50.456	32.431	-23.544	74.000	18.025	PK

Profile: 1962139R	Page No.: 250
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 00:55
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 5300MHz by 11n20	



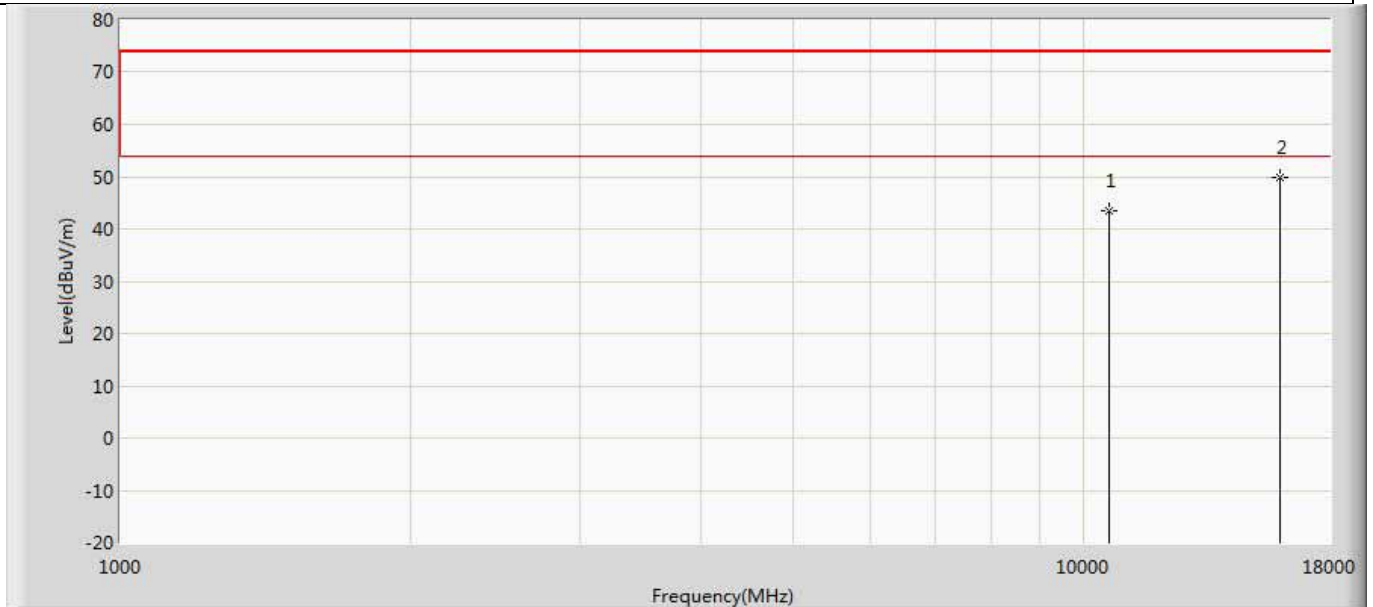
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10600.000	43.320	31.336	-30.680	74.000	11.983	PK
2	*	15900.000	49.284	31.259	-24.716	74.000	18.025	PK

Profile: 1962139R	Page No.: 251
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 00:55
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 5320MHz by 11n20	



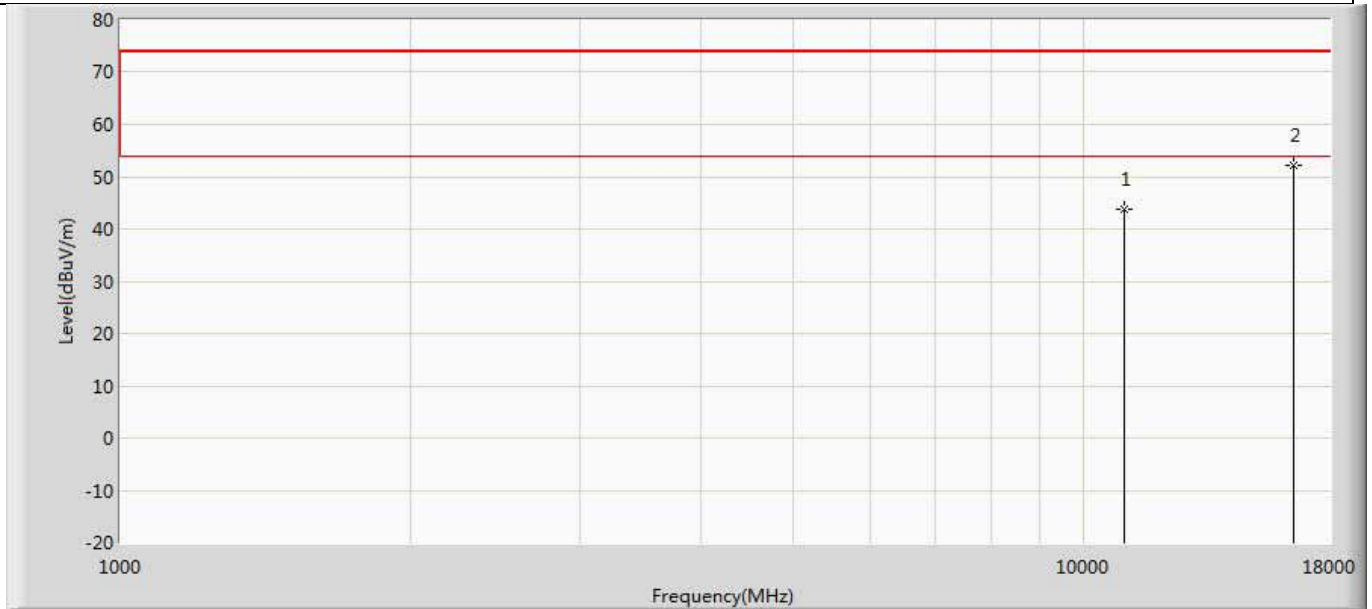
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10640.000	44.932	33.127	-29.068	74.000	11.805	PK
2	*	15960.000	48.986	31.407	-25.014	74.000	17.579	PK

Profile: 1962139R	Page No.: 252
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 00:55
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 5320MHz by 11n20	



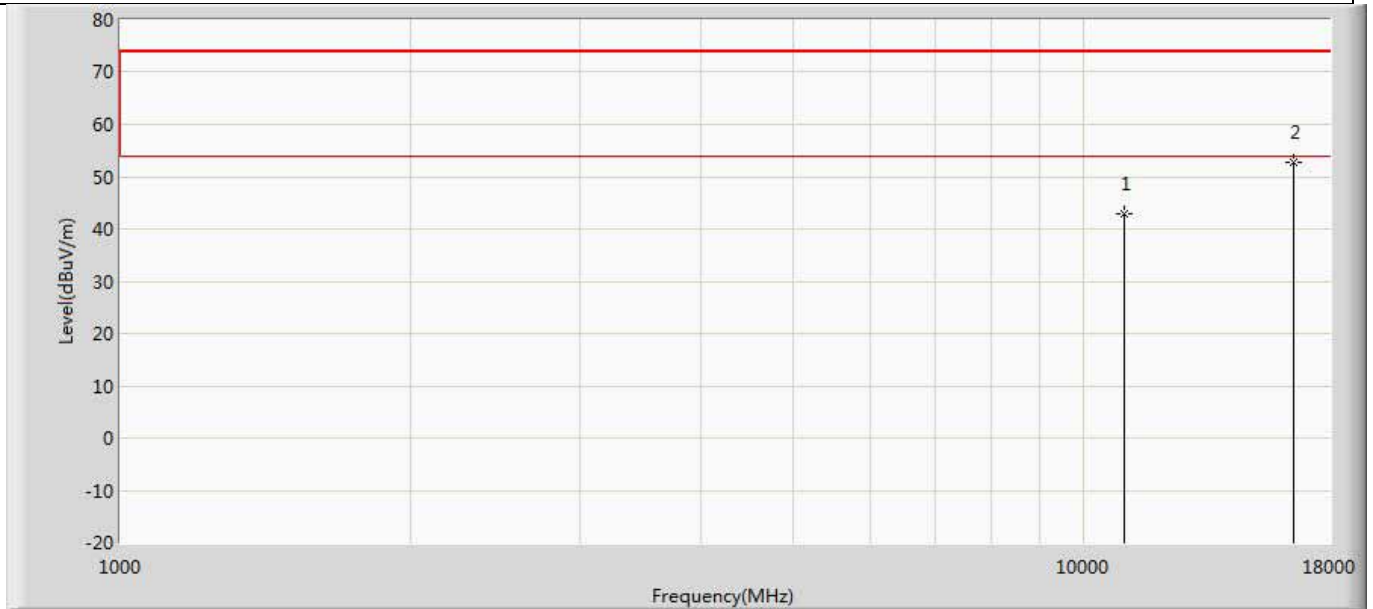
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10640.000	43.610	31.805	-30.390	74.000	11.805	PK
2	*	15960.000	49.780	32.201	-24.220	74.000	17.579	PK

Profile: 1962139R	Page No.: 253
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 00:55
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 5500MHz by 11n20	



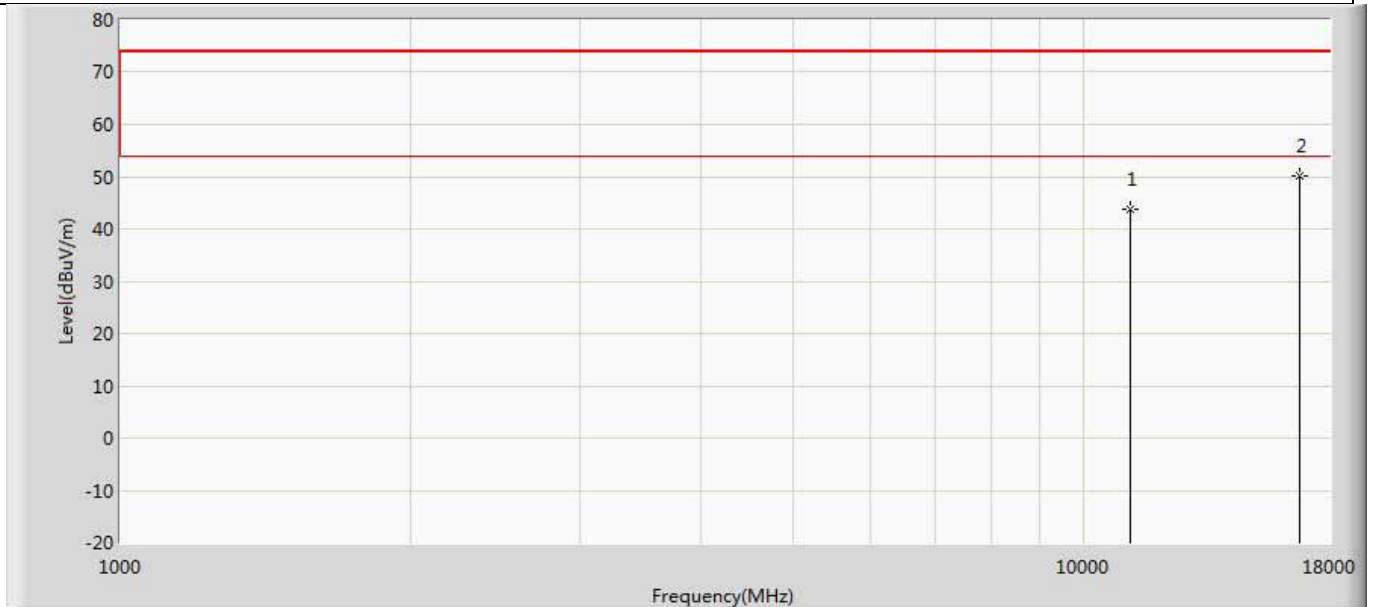
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11000.000	43.706	30.887	-30.294	74.000	12.818	PK
2	*	16500.000	52.285	33.504	-21.715	74.000	18.781	PK

Profile: 1962139R	Page No.: 254
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 00:56
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 5500MHz by 11n20	



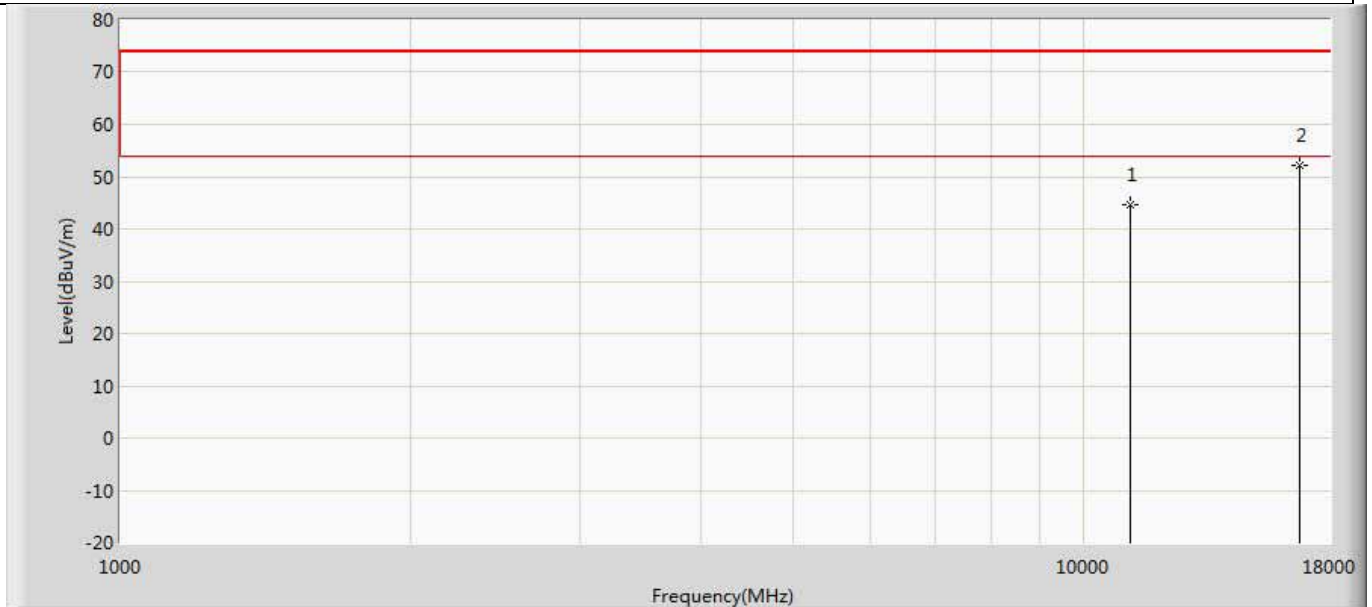
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11000.000	43.040	30.221	-30.960	74.000	12.818	PK
2	*	16500.000	52.655	33.874	-21.345	74.000	18.781	PK

Profile: 1962139R	Page No.: 255
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 00:56
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 5580MHz by 11n20	



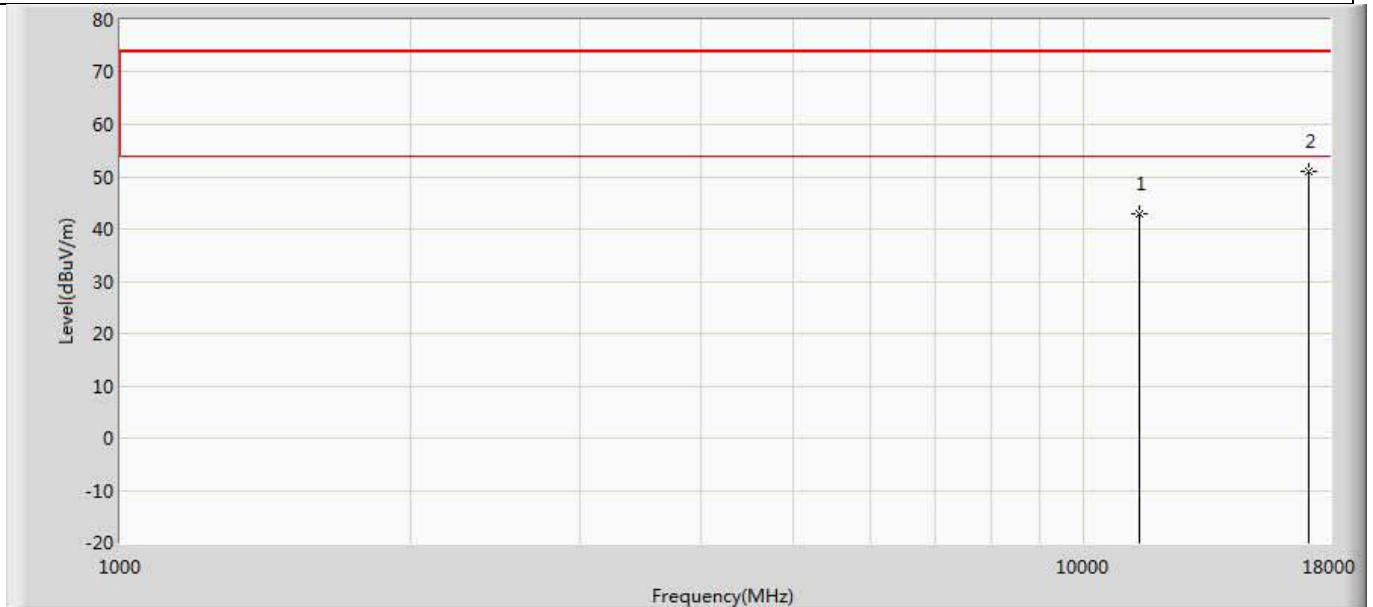
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11160.000	43.899	30.423	-30.101	74.000	13.477	PK
2	*	16740.000	50.281	31.752	-23.719	74.000	18.530	PK

Profile: 1962139R	Page No.: 256
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 00:56
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 5580MHz by 11n20	



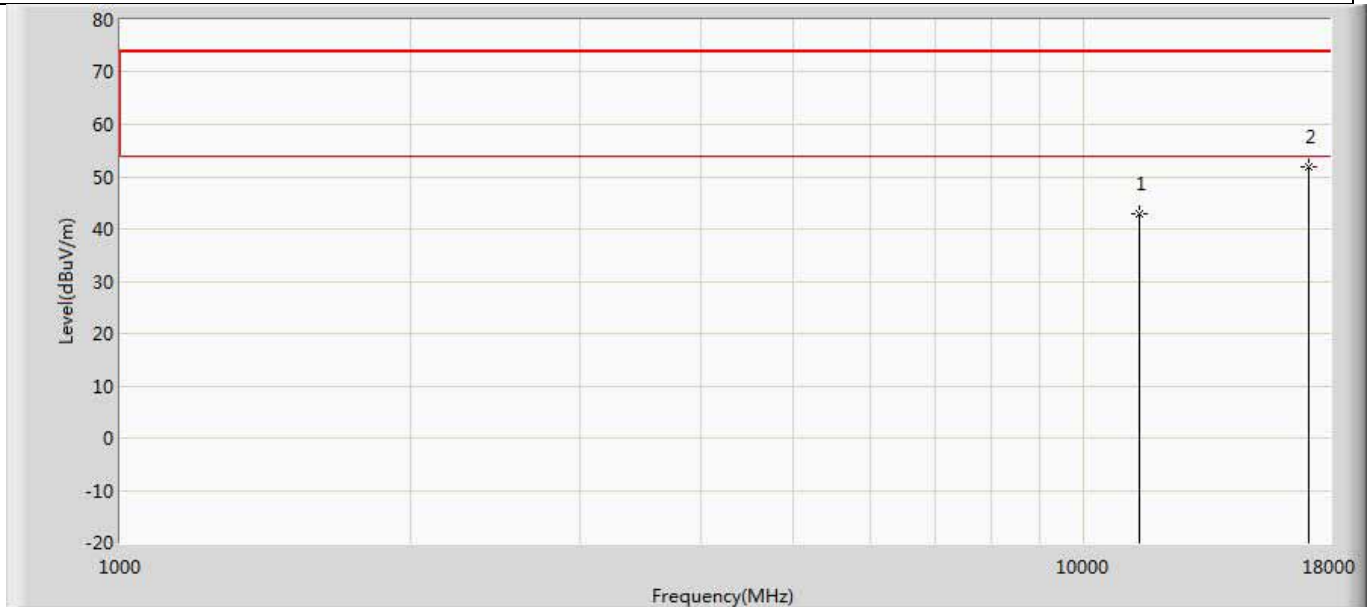
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11160.000	44.614	31.138	-29.386	74.000	13.477	PK
2	*	16740.000	52.047	33.518	-21.953	74.000	18.530	PK

Profile: 1962139R	Page No.: 257
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 00:56
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 5700MHz by 11n20	



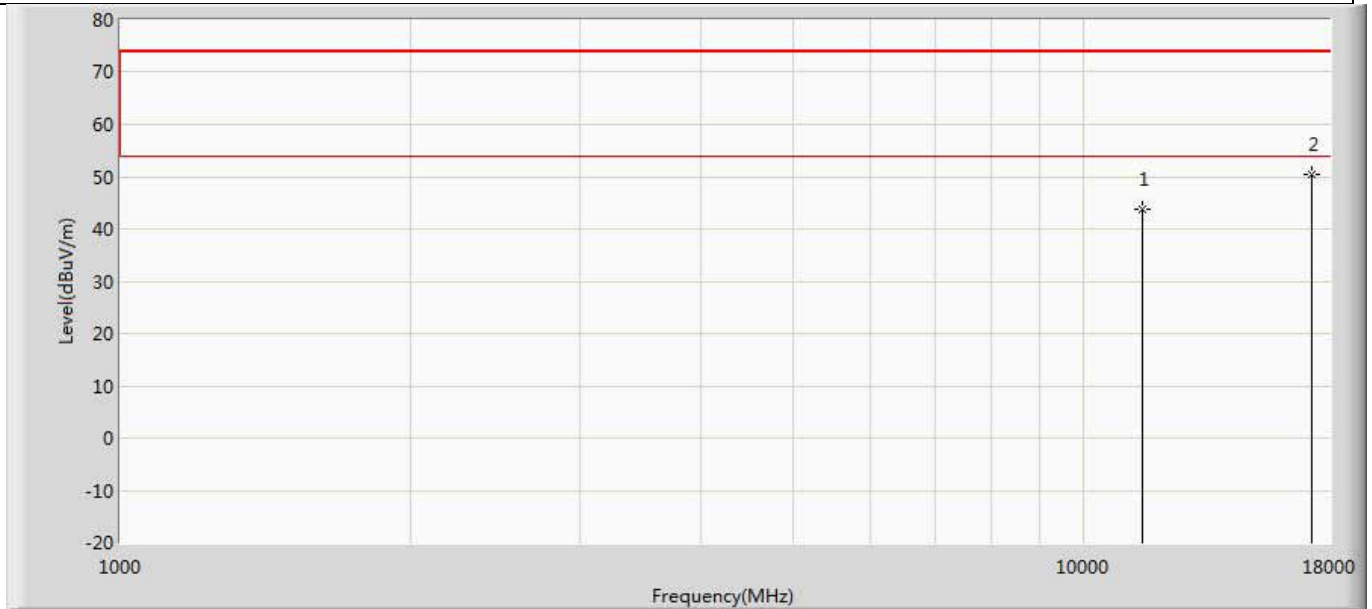
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11400.000	42.891	29.530	-31.109	74.000	13.361	PK
2	*	17100.000	51.058	31.146	-22.942	74.000	19.912	PK

Profile: 1962139R	Page No.: 258
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 00:56
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 5700MHz by 11n20	



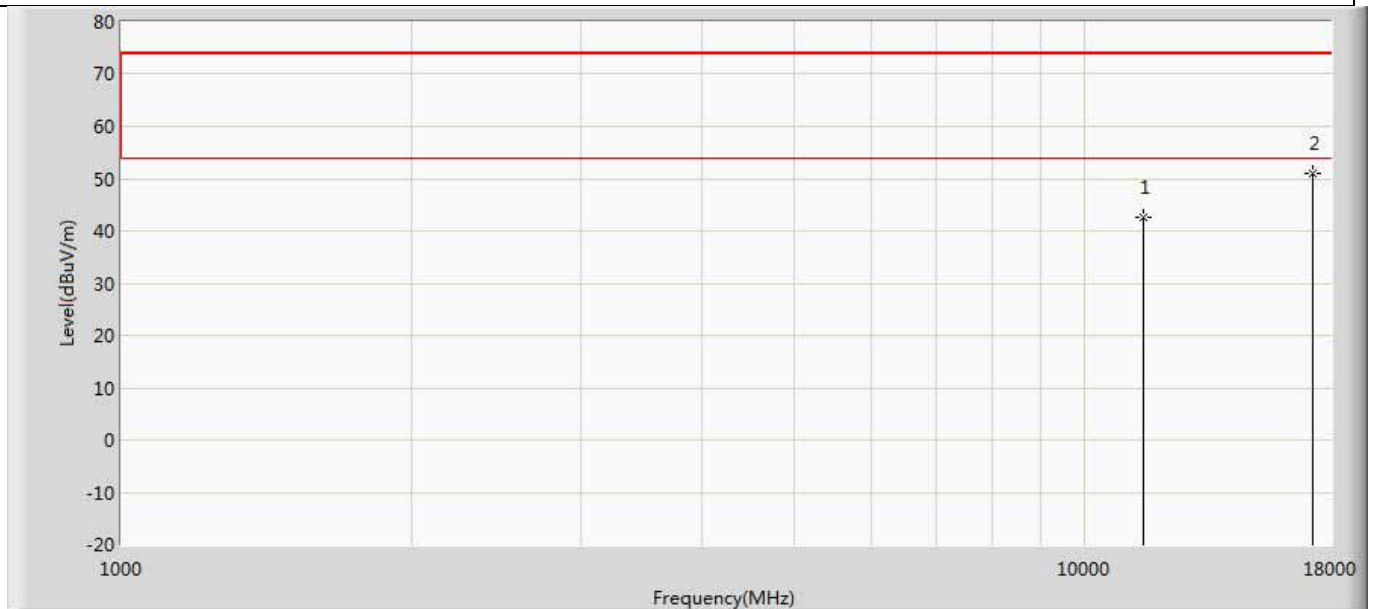
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11400.000	43.013	29.652	-30.987	74.000	13.361	PK
2	*	17100.000	51.902	31.990	-22.098	74.000	19.912	PK

Profile: 1962139R	Page No.: 259
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 00:56
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 5745MHz by 11n20	



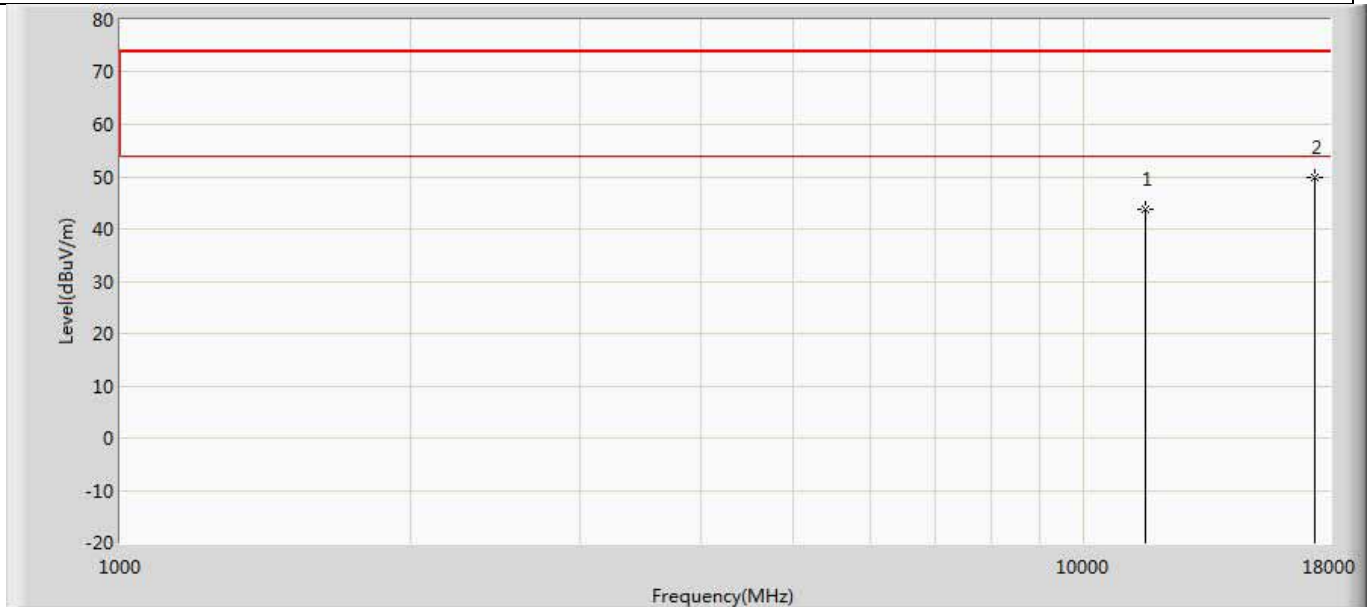
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11490.000	43.690	30.449	-30.310	74.000	13.241	PK
2	*	17235.000	50.410	30.211	-23.590	74.000	20.199	PK

Profile: 1962139R	Page No.: 260
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 00:56
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 5745MHz by 11n20	



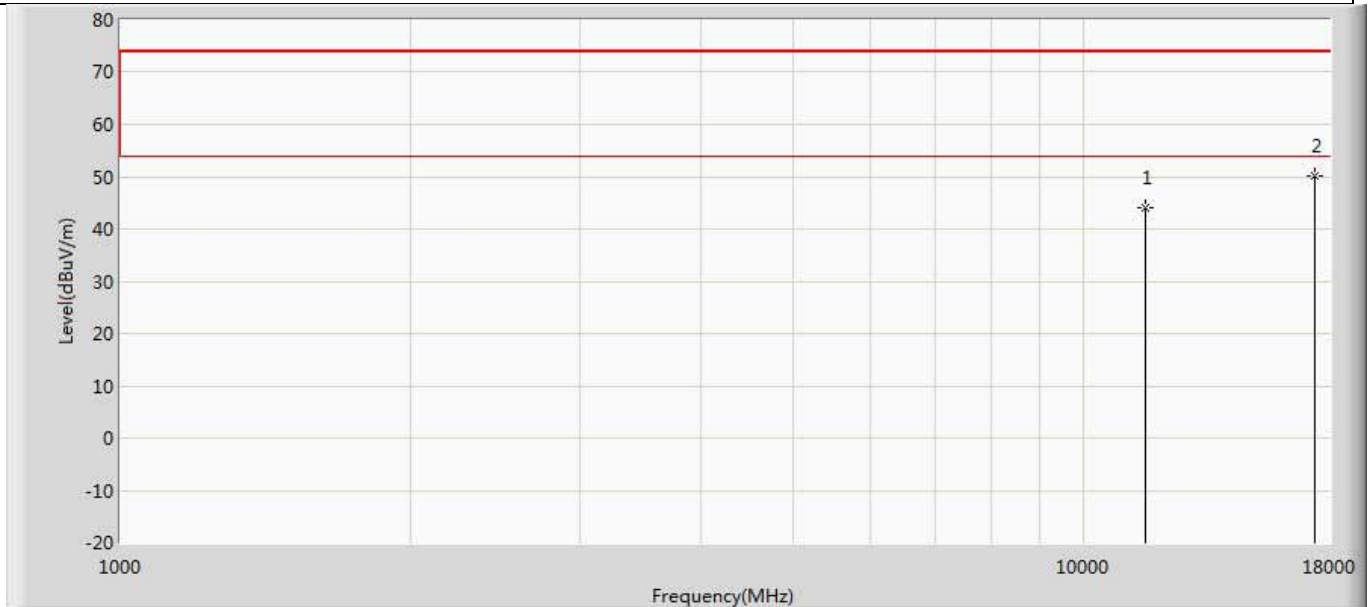
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11490.000	42.659	29.418	-31.341	74.000	13.241	PK
2	*	17235.000	50.961	30.762	-23.039	74.000	20.199	PK

Profile: 1962139R	Page No.: 261
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 00:56
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 5785MHz by 11n20	



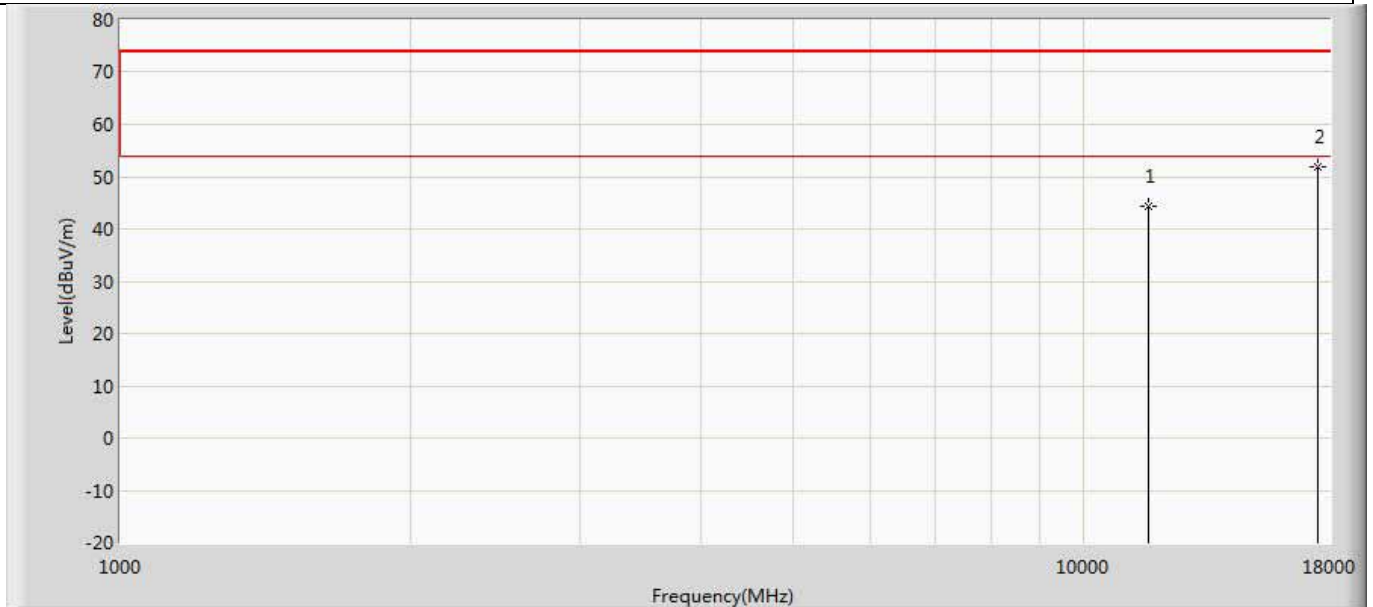
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11570.000	43.642	30.115	-30.358	74.000	13.528	PK
2	*	17355.000	49.740	30.204	-24.260	74.000	19.536	PK

Profile: 1962139R	Page No.: 262
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 00:56
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 5785MHz by 11n20	



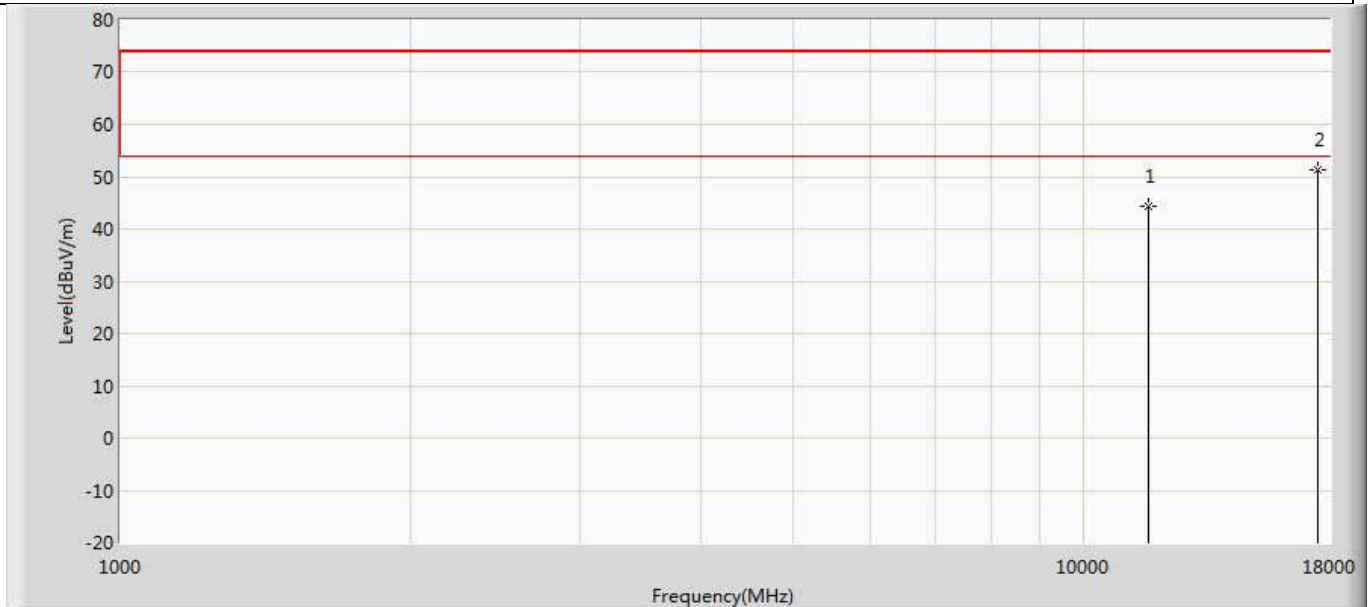
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11570.000	44.113	30.586	-29.887	74.000	13.528	PK
2	*	17355.000	50.072	30.536	-23.928	74.000	19.536	PK

Profile: 1962139R	Page No.: 263
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 00:56
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 5825MHz by 11n20	



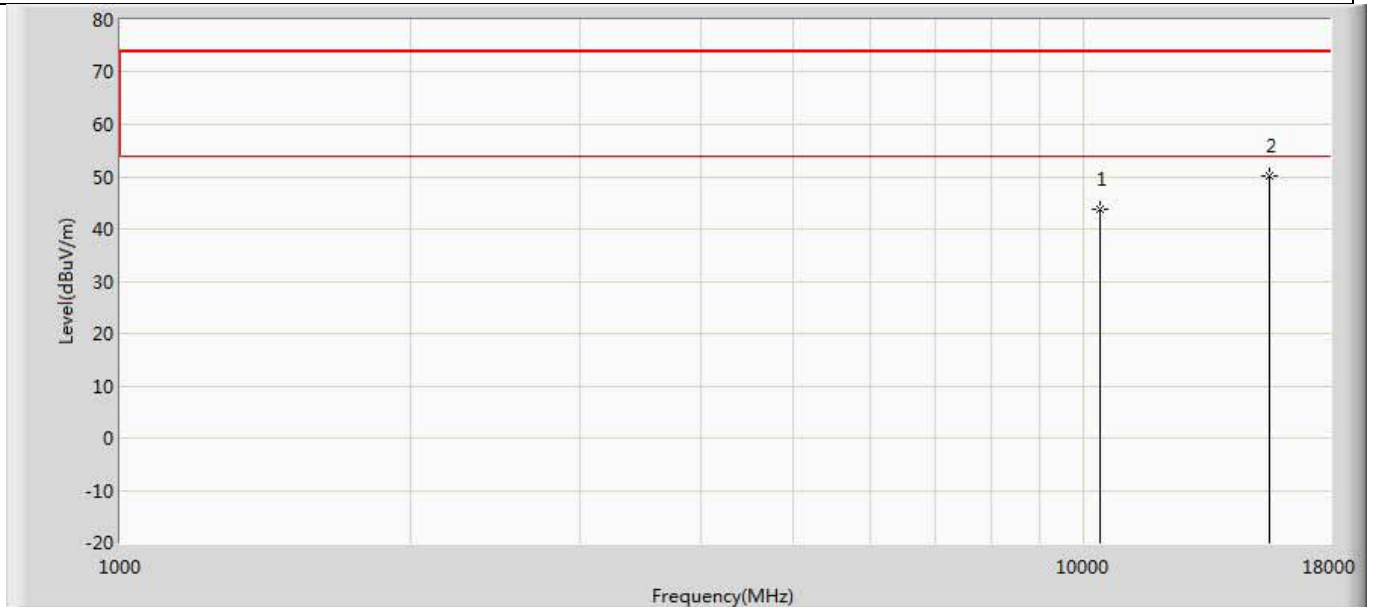
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11650.000	44.377	30.470	-29.623	74.000	13.907	PK
2	*	17475.000	52.002	32.463	-21.998	74.000	19.539	PK

Profile: 1962139R	Page No.: 264
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 00:57
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 5825MHz by 11n20	



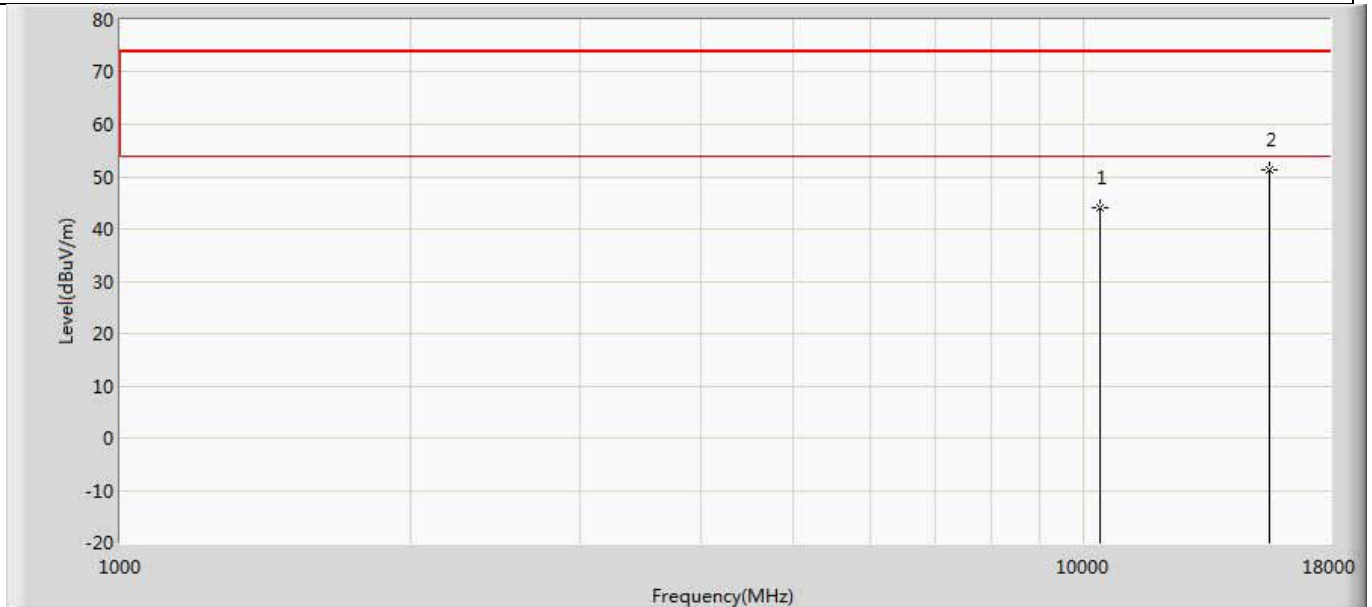
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11650.000	44.415	30.508	-29.585	74.000	13.907	PK
2	*	17475.000	51.174	31.635	-22.826	74.000	19.539	PK

Profile: 1962139R	Page No.: 265
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 00:57
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 5190MHz by 11n40	



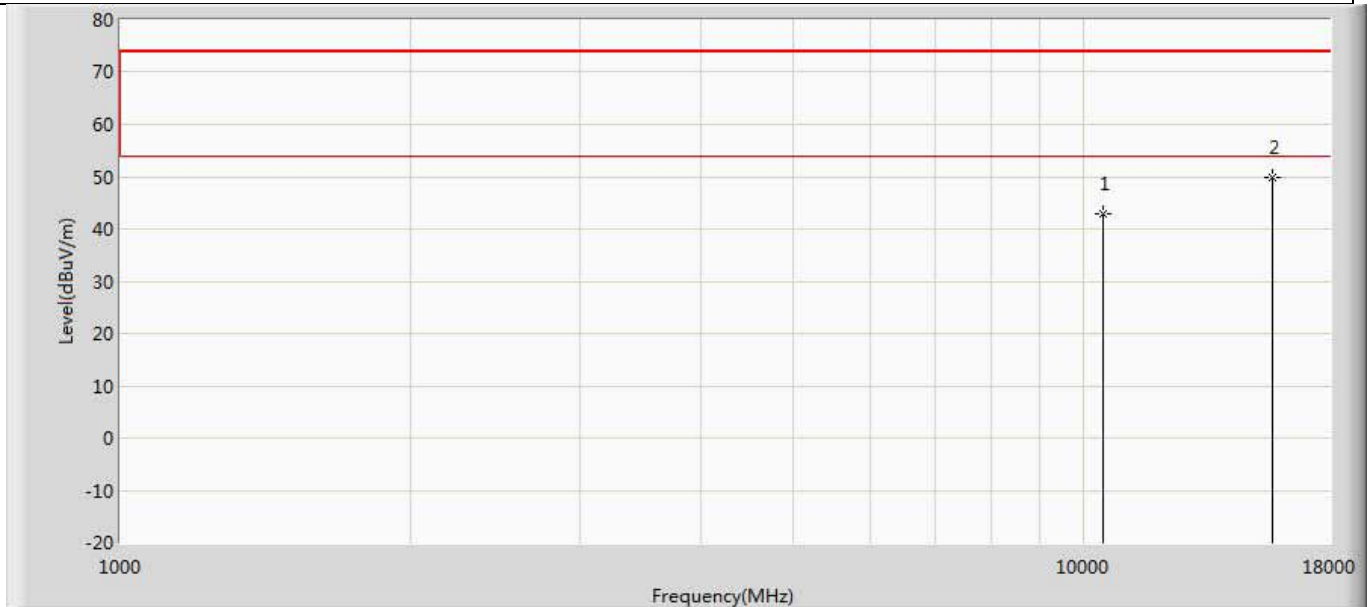
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10380.000	43.682	32.103	-30.318	74.000	11.579	PK
2	*	15570.000	50.209	32.181	-23.791	74.000	18.028	PK

Profile: 1962139R	Page No.: 266
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 00:57
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 5190MHz by 11n40	



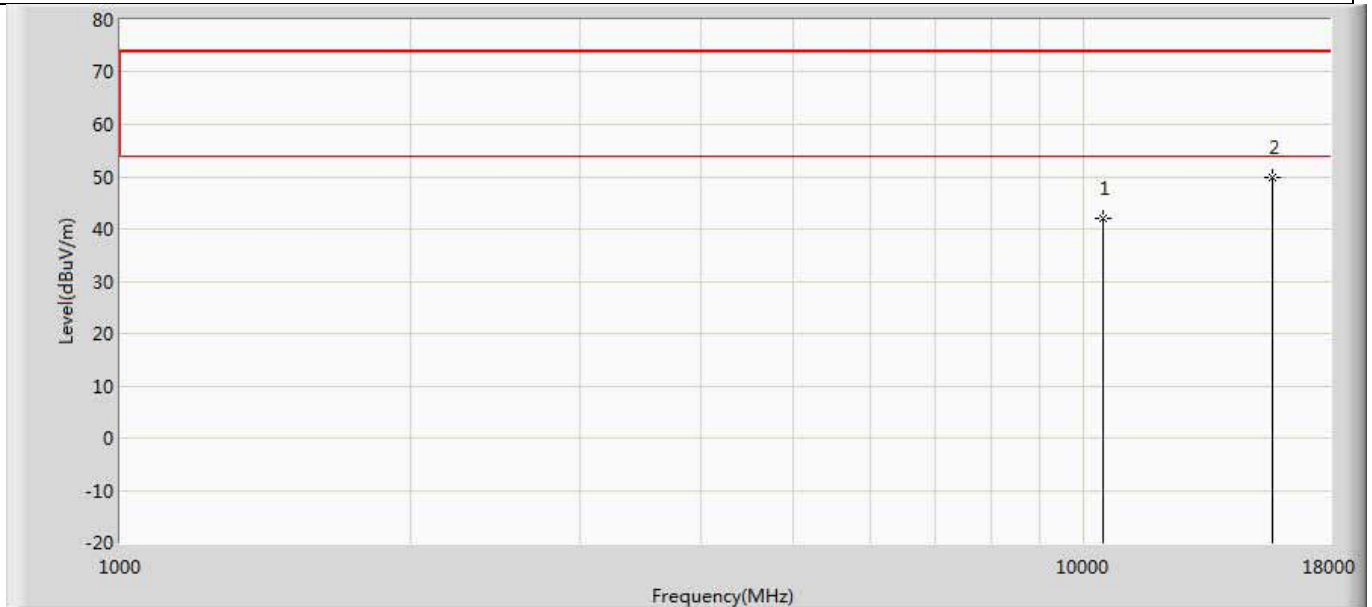
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10380.000	43.948	32.369	-30.052	74.000	11.579	PK
2	*	15570.000	51.321	33.293	-22.679	74.000	18.028	PK

Profile: 1962139R	Page No.: 267
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 00:57
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 5230MHz by 11n40	



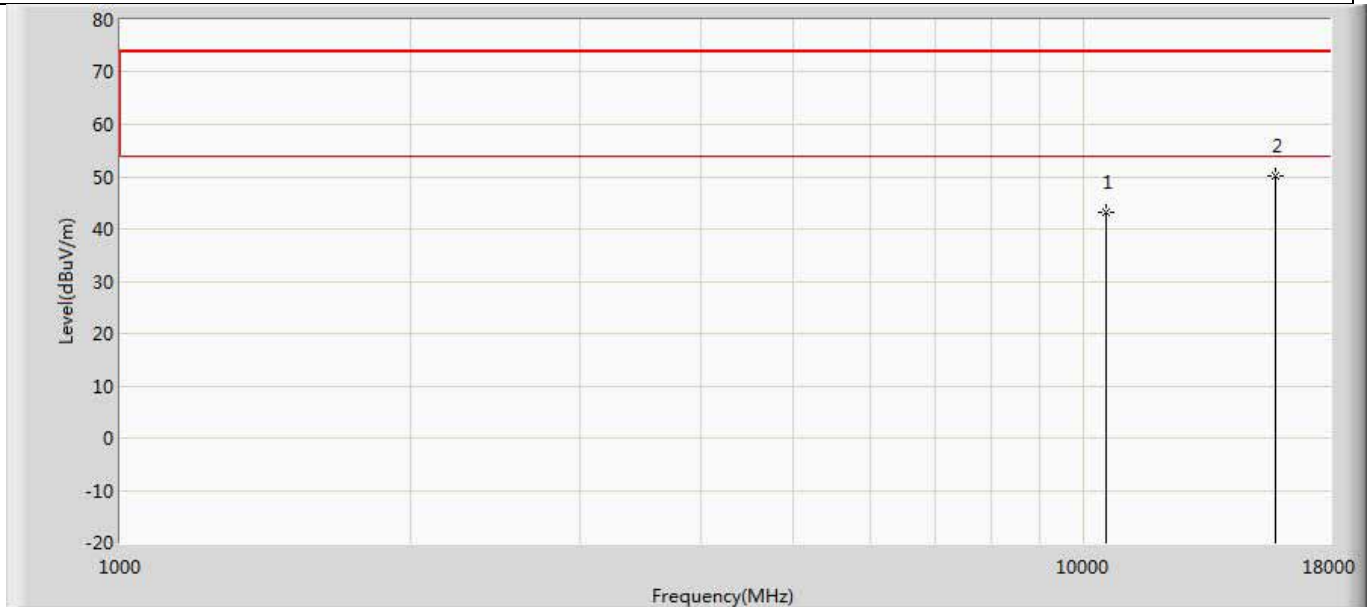
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10460.000	42.853	31.264	-31.147	74.000	11.589	PK
2	*	15690.000	49.725	31.498	-24.275	74.000	18.226	PK

Profile: 1962139R	Page No.: 268
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 00:57
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 5230MHz by 11n40	



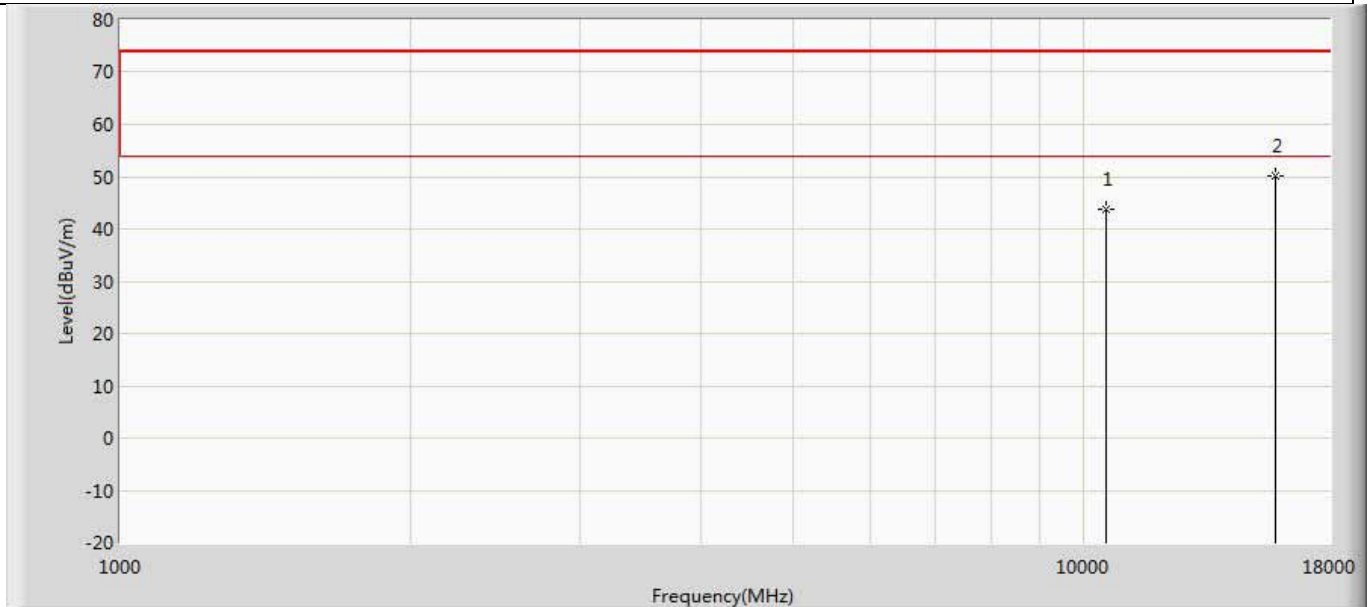
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10460.000	42.138	30.549	-31.862	74.000	11.589	PK
2	*	15690.000	49.842	31.615	-24.158	74.000	18.226	PK

Profile: 1962139R	Page No.: 269
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 00:57
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 5270MHz by 11n40	



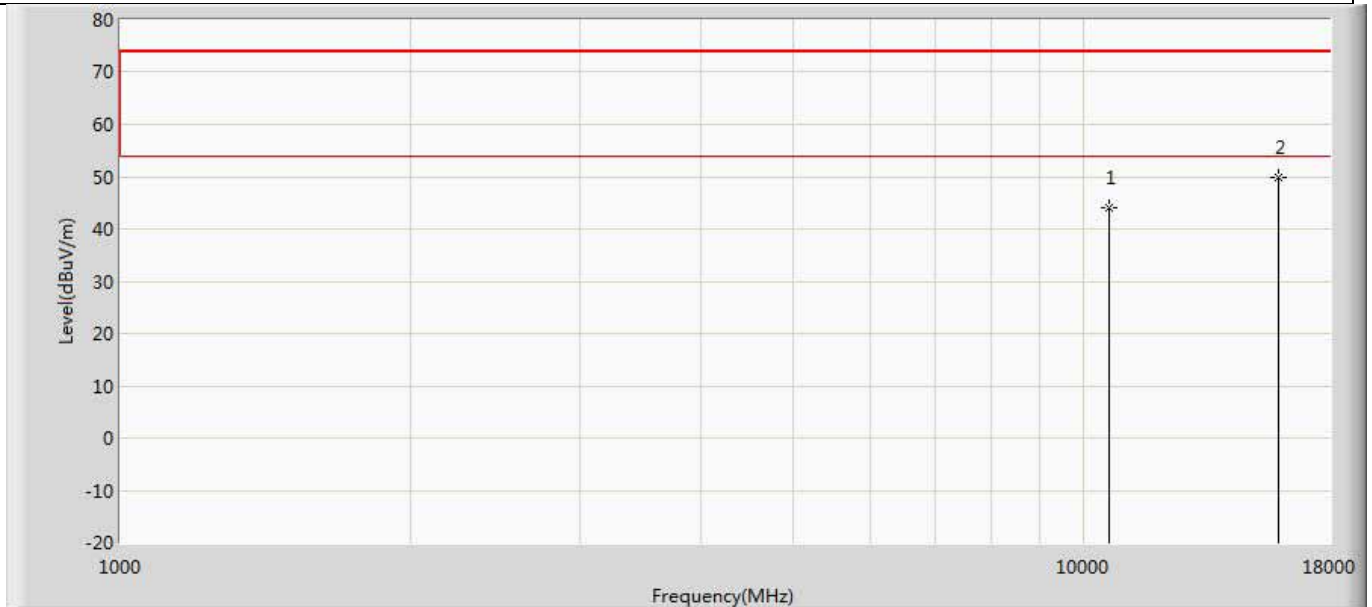
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10540.000	43.139	30.901	-30.861	74.000	12.238	PK
2	*	15810.000	50.035	32.076	-23.965	74.000	17.960	PK

Profile: 1962139R	Page No.: 270
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 00:57
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 5270MHz by 11n40	



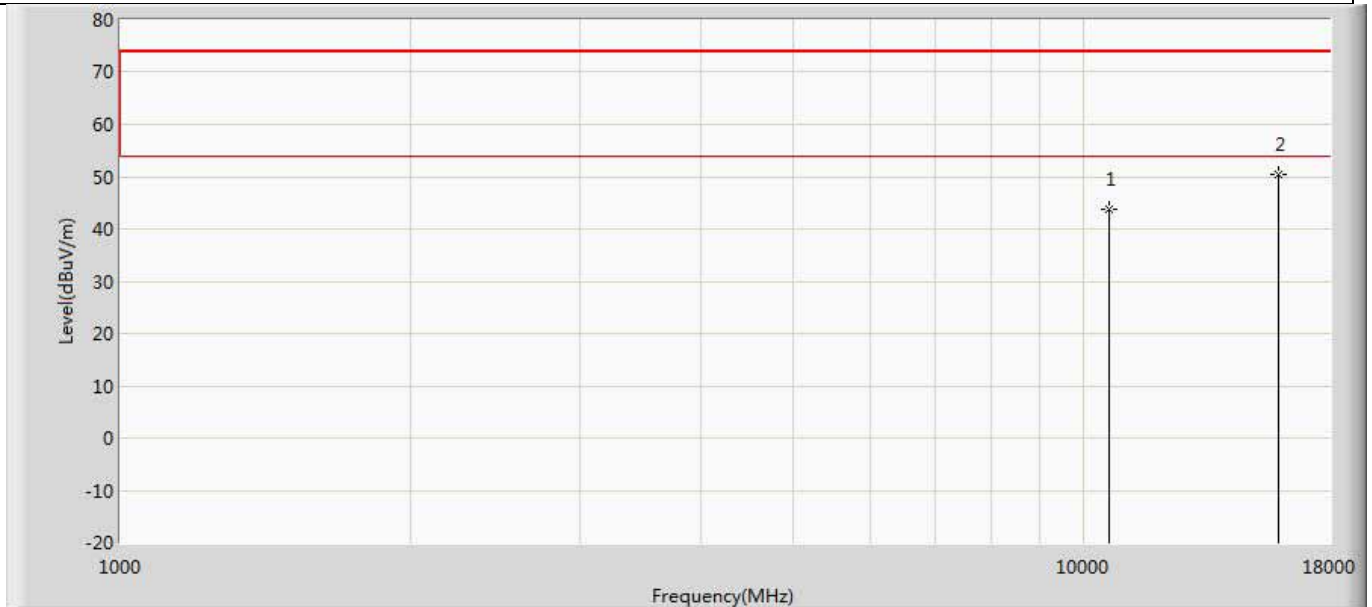
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10540.000	43.738	31.500	-30.262	74.000	12.238	PK
2	*	15810.000	50.191	32.232	-23.809	74.000	17.960	PK

Profile: 1962139R	Page No.: 271
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 00:57
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 5310MHz by 11n40	



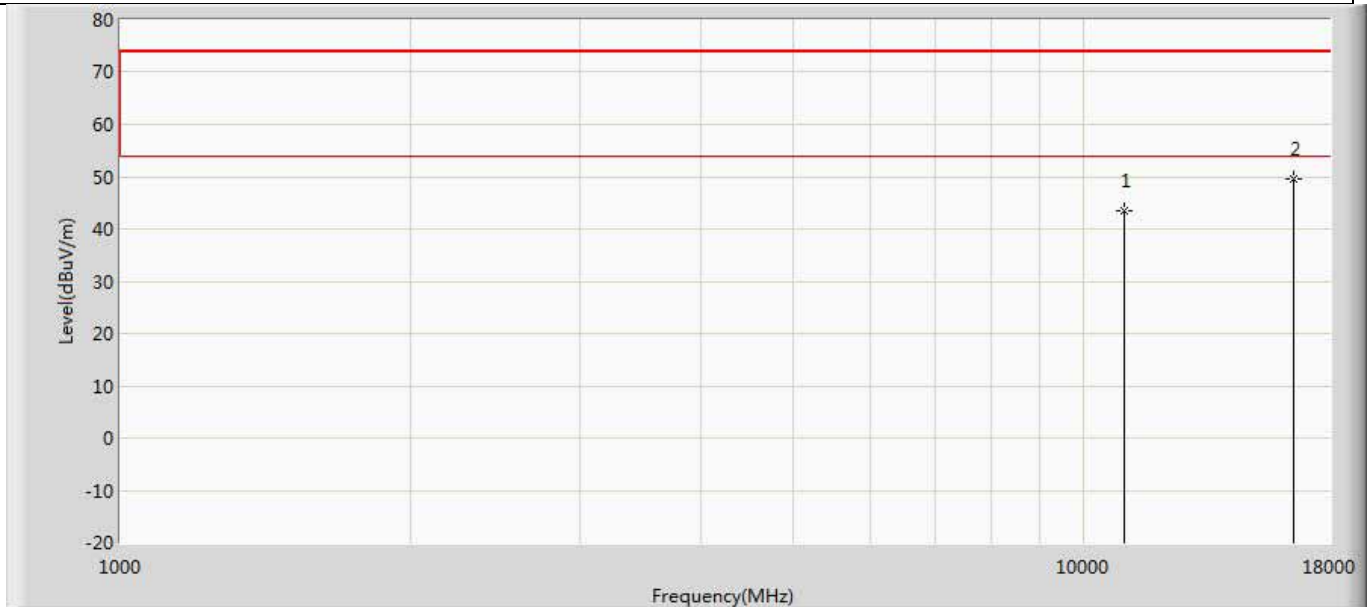
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10620.000	43.963	31.250	-30.037	74.000	12.714	PK
2	*	15930.000	49.907	31.109	-24.093	74.000	18.798	PK

Profile: 1962139R	Page No.: 272
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 00:57
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 5310MHz by 11n40	



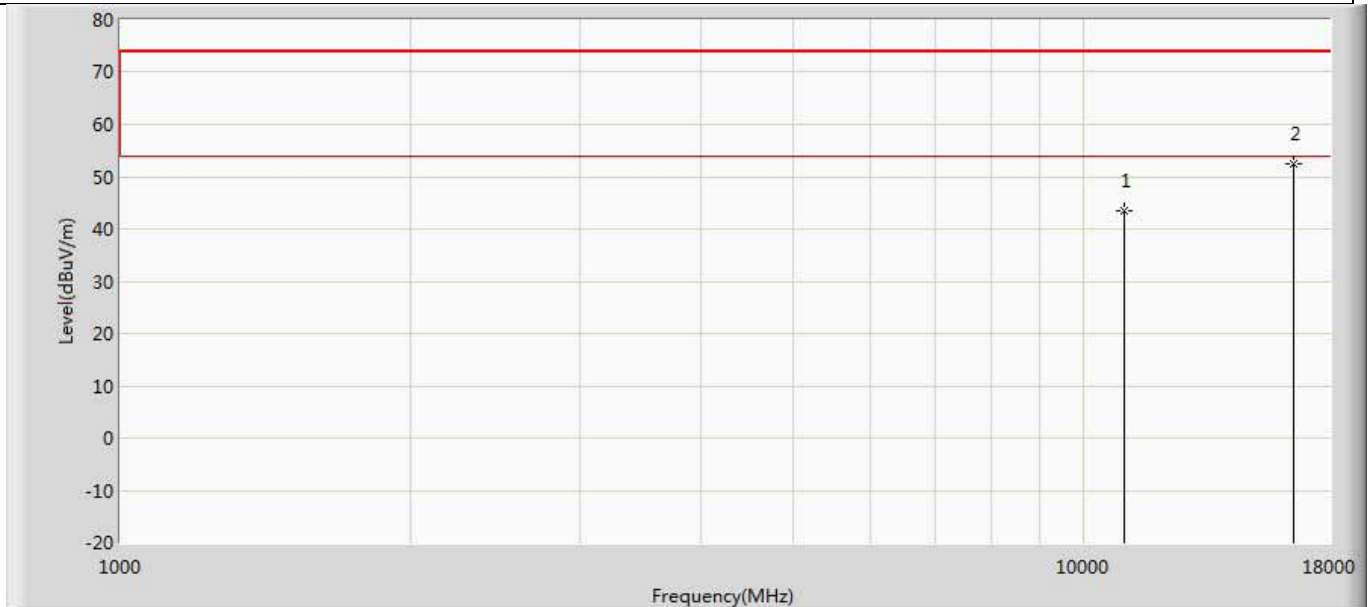
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10620.000	43.858	31.145	-30.142	74.000	12.714	PK
2	*	15930.000	50.348	31.550	-23.652	74.000	18.798	PK

Profile: 1962139R	Page No.: 273
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 00:57
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 5510MHz by 11n40	



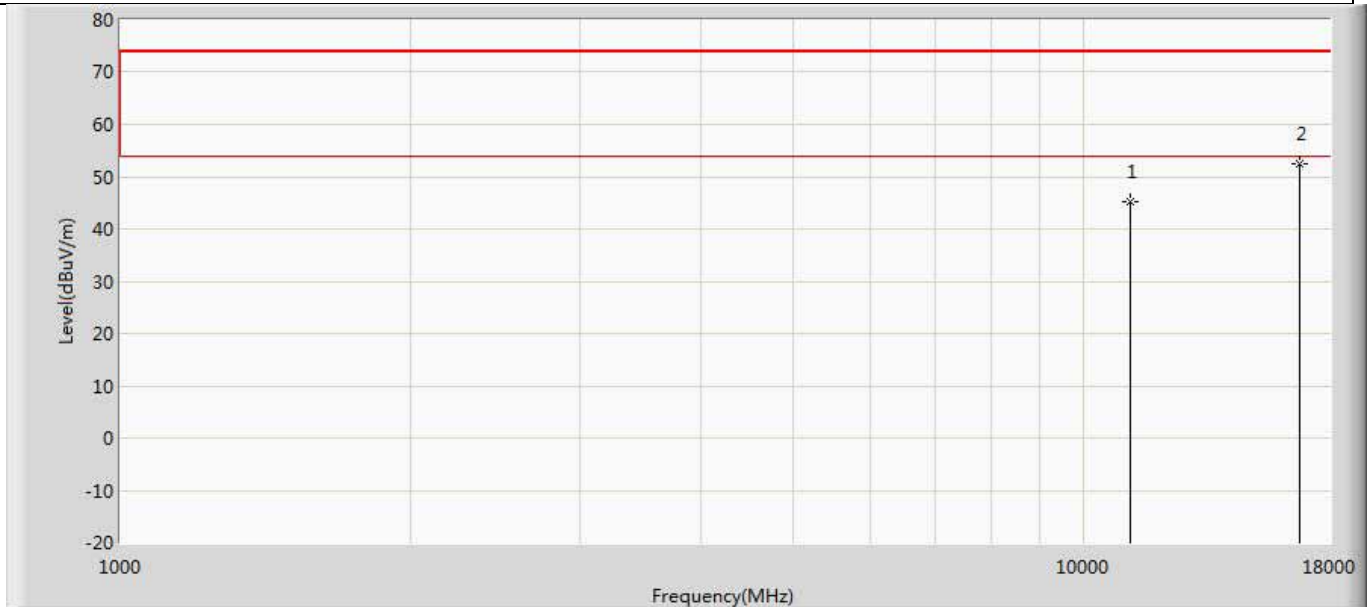
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11020.000	43.445	30.239	-30.555	74.000	13.205	PK
2	*	16530.000	49.667	31.005	-24.333	74.000	18.662	PK

Profile: 1962139R	Page No.: 274
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 00:57
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 5510MHz by 11n40	



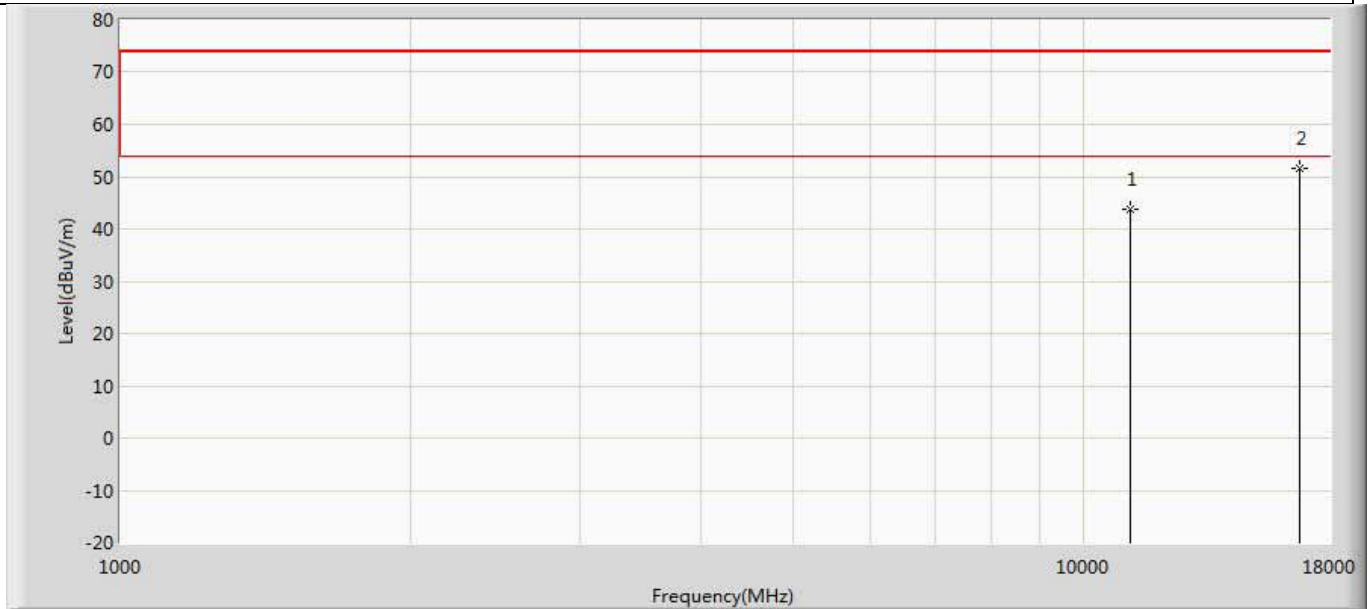
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11020.000	43.523	30.317	-30.477	74.000	13.205	PK
2	*	16530.000	52.381	33.719	-21.619	74.000	18.662	PK

Profile: 1962139R	Page No.: 275
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 00:57
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 5590MHz by 11n40	



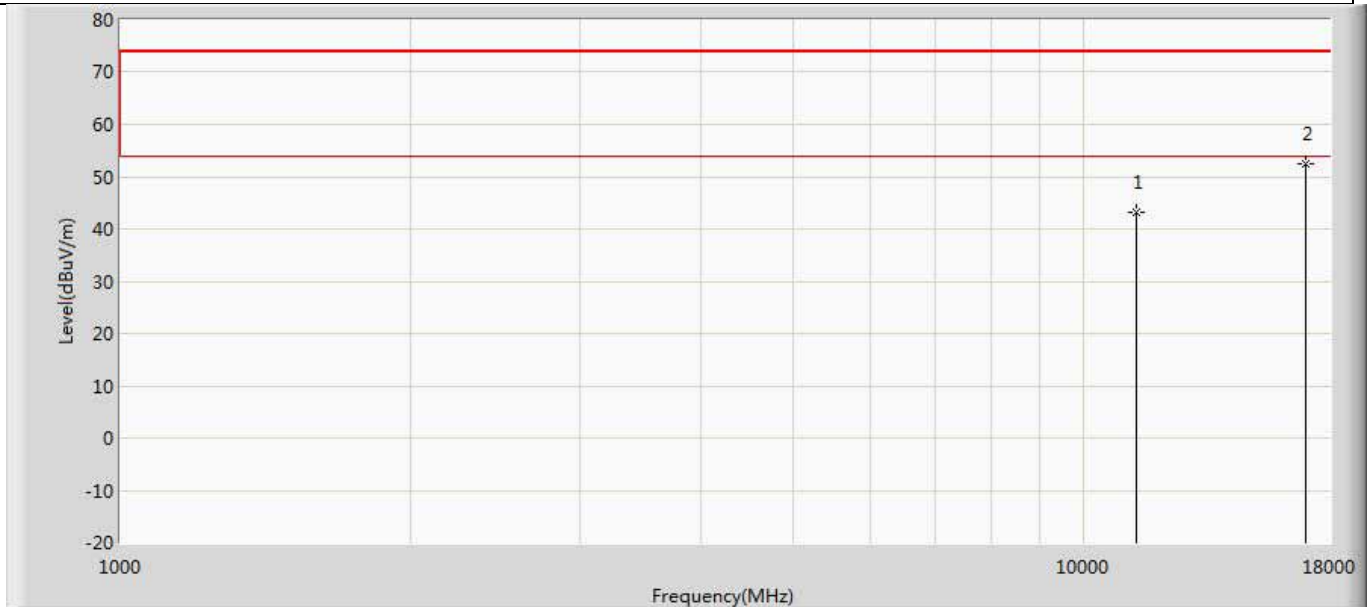
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11180.000	45.094	31.806	-28.906	74.000	13.287	PK
2	*	16770.000	52.499	33.655	-21.501	74.000	18.844	PK

Profile: 1962139R	Page No.: 276
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 00:58
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 5590MHz by 11n40	



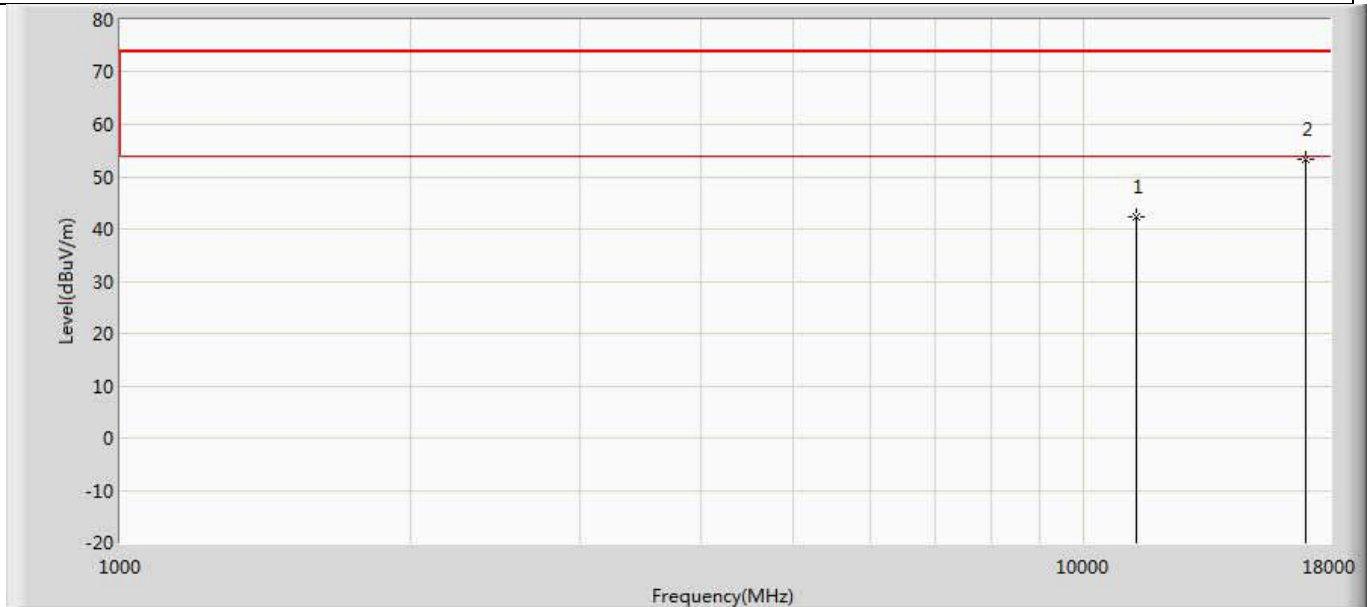
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11180.000	43.815	30.527	-30.185	74.000	13.287	PK
2	*	16770.000	51.679	32.835	-22.321	74.000	18.844	PK

Profile: 1962139R	Page No.: 277
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 00:58
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 5670MHz by 11n40	



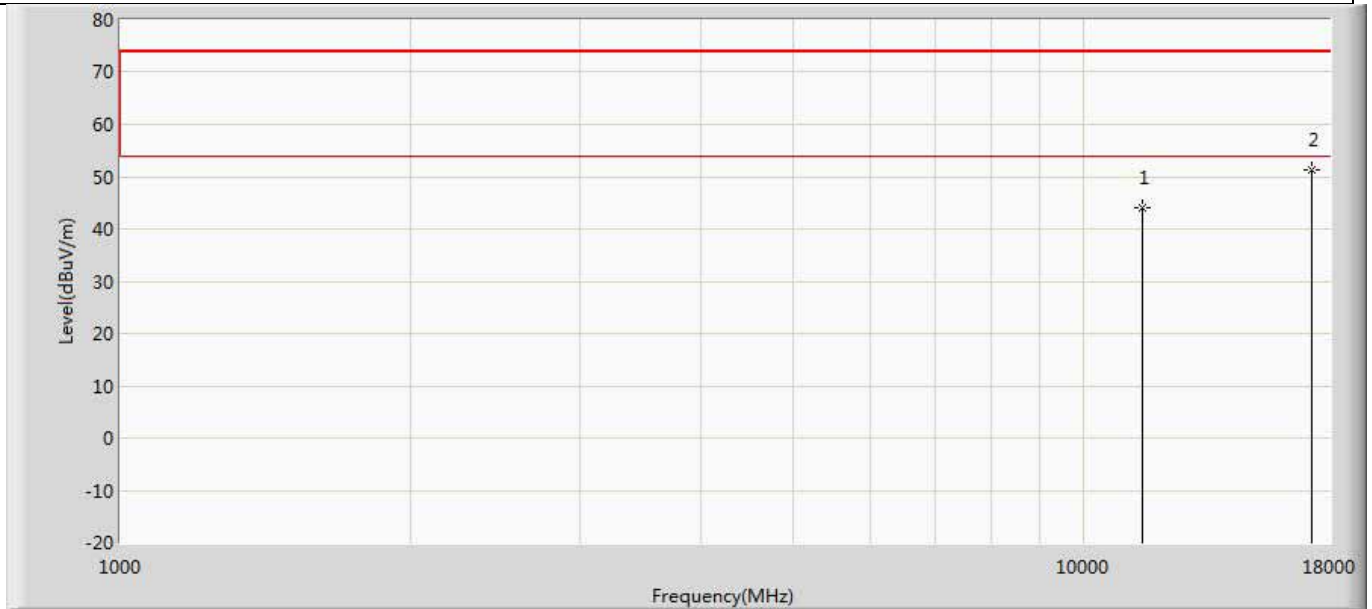
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11340.000	43.184	29.757	-30.816	74.000	13.427	PK
2	*	17010.000	52.372	32.154	-21.628	74.000	20.219	PK

Profile: 1962139R	Page No.: 278
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 00:58
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 5670MHz by 11n40	



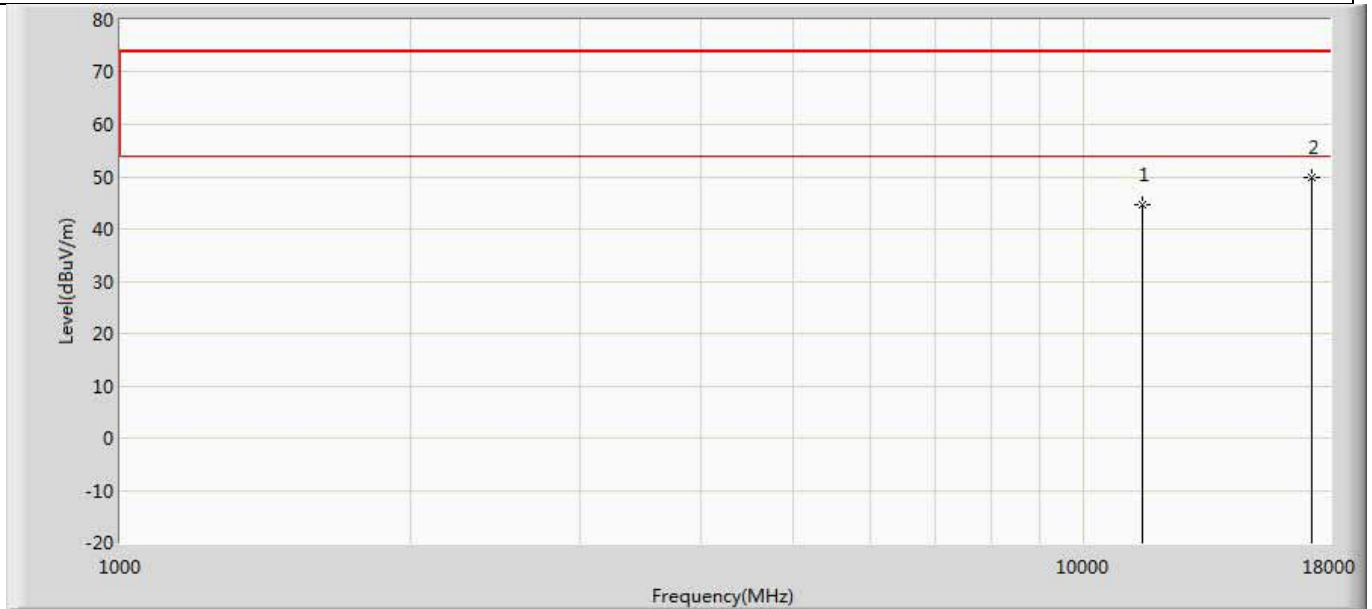
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11340.000	42.296	28.869	-31.704	74.000	13.427	PK
2	*	17010.000	53.242	33.024	-20.758	74.000	20.219	PK

Profile: 1962139R	Page No.: 279
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 00:58
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 5755MHz by 11n40	



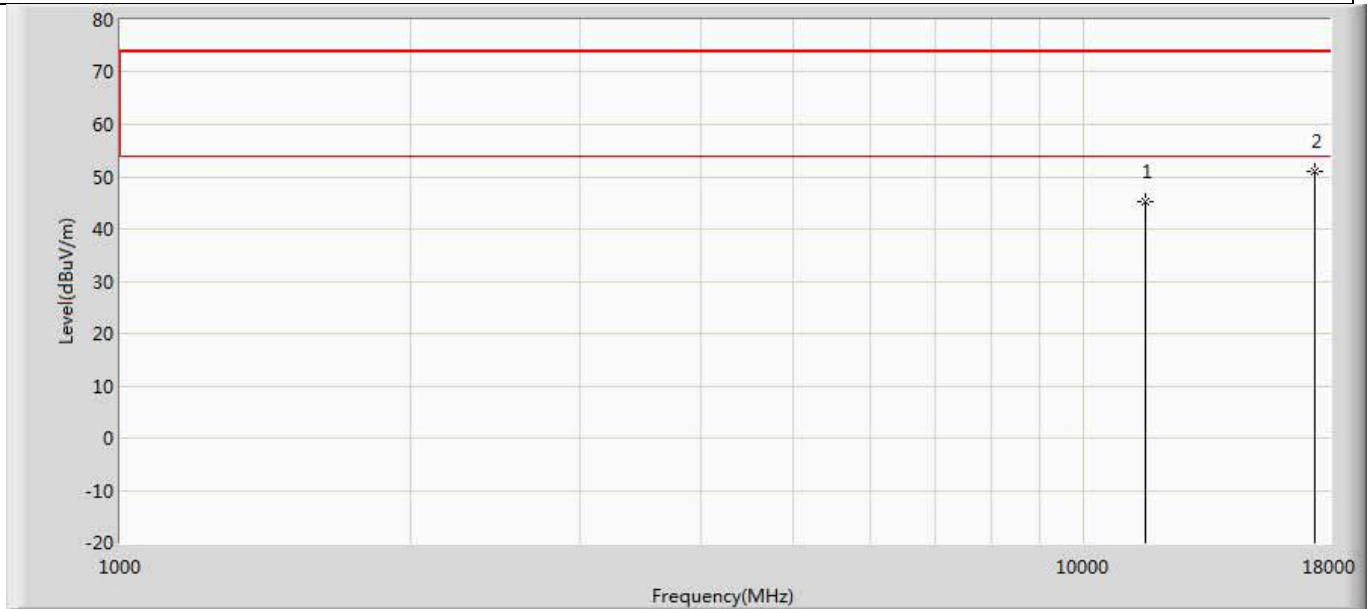
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11510.000	44.186	30.394	-29.814	74.000	13.792	PK
2	*	17265.000	51.221	30.739	-22.779	74.000	20.482	PK

Profile: 1962139R	Page No.: 280
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 00:58
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 5755MHz by 11n40	



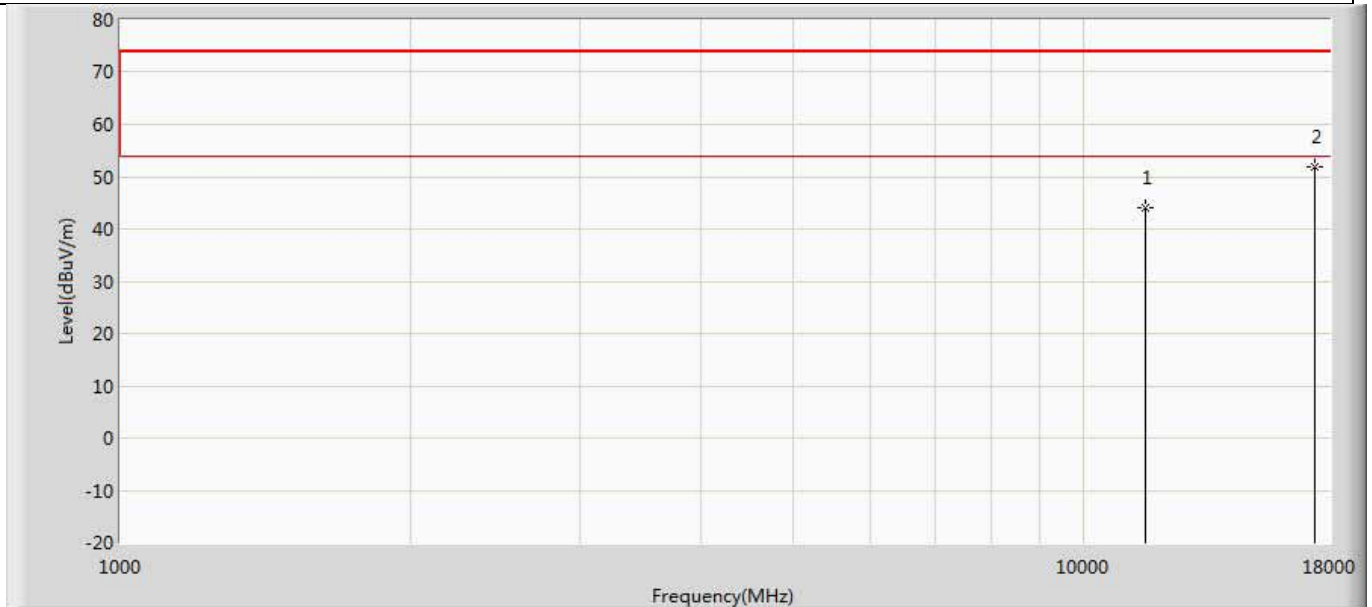
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11510.000	44.493	30.701	-29.507	74.000	13.792	PK
2	*	17265.000	49.755	29.273	-24.245	74.000	20.482	PK

Profile: 1962139R	Page No.: 281
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 00:58
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 5795MHz by 11n40	



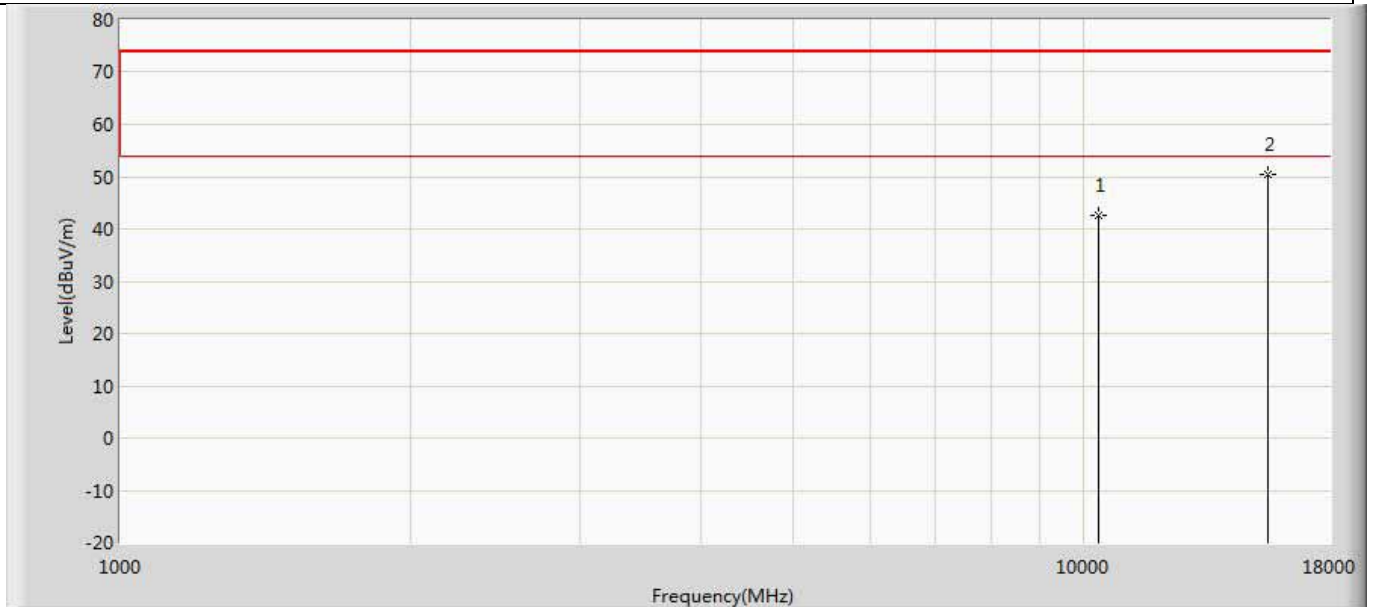
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11590.000	45.240	30.876	-28.760	74.000	14.363	PK
2	*	17385.000	51.015	31.361	-22.985	74.000	19.654	PK

Profile: 1962139R	Page No.: 282
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 00:58
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 5795MHz by 11n40	



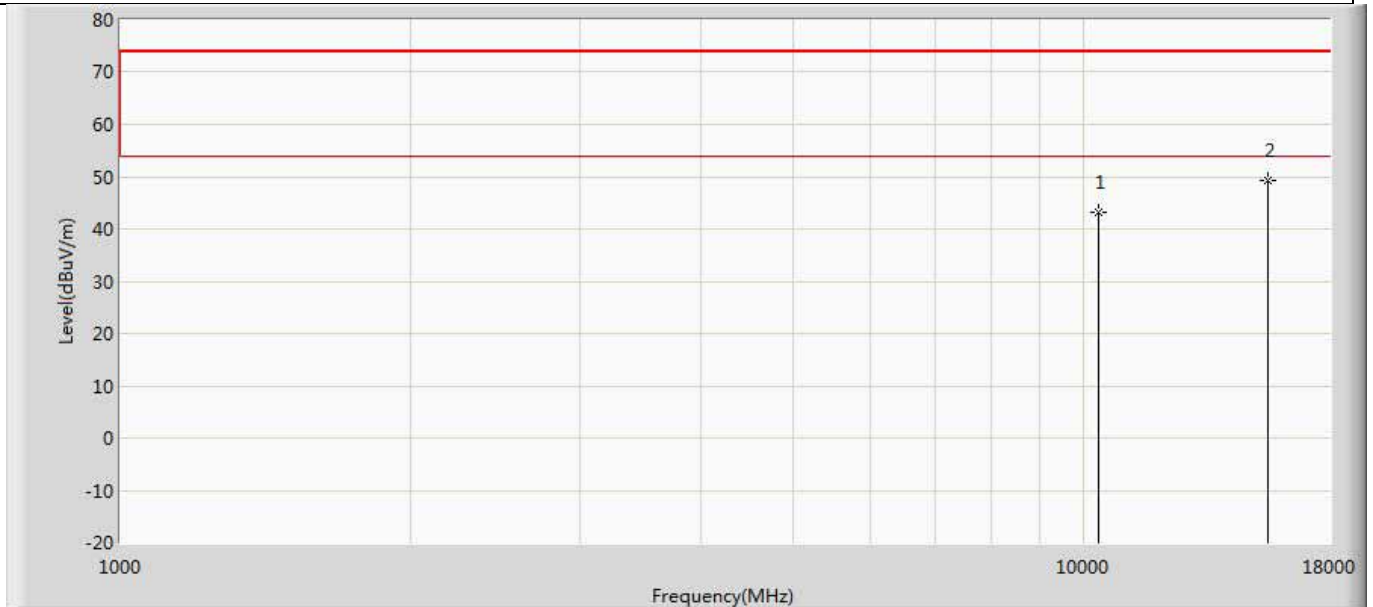
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11590.000	44.082	29.718	-29.918	74.000	14.363	PK
2	*	17385.000	51.759	32.105	-22.241	74.000	19.654	PK

Profile: 1962139R	Page No.: 283
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 00:58
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 5180MHz by 11ac20	



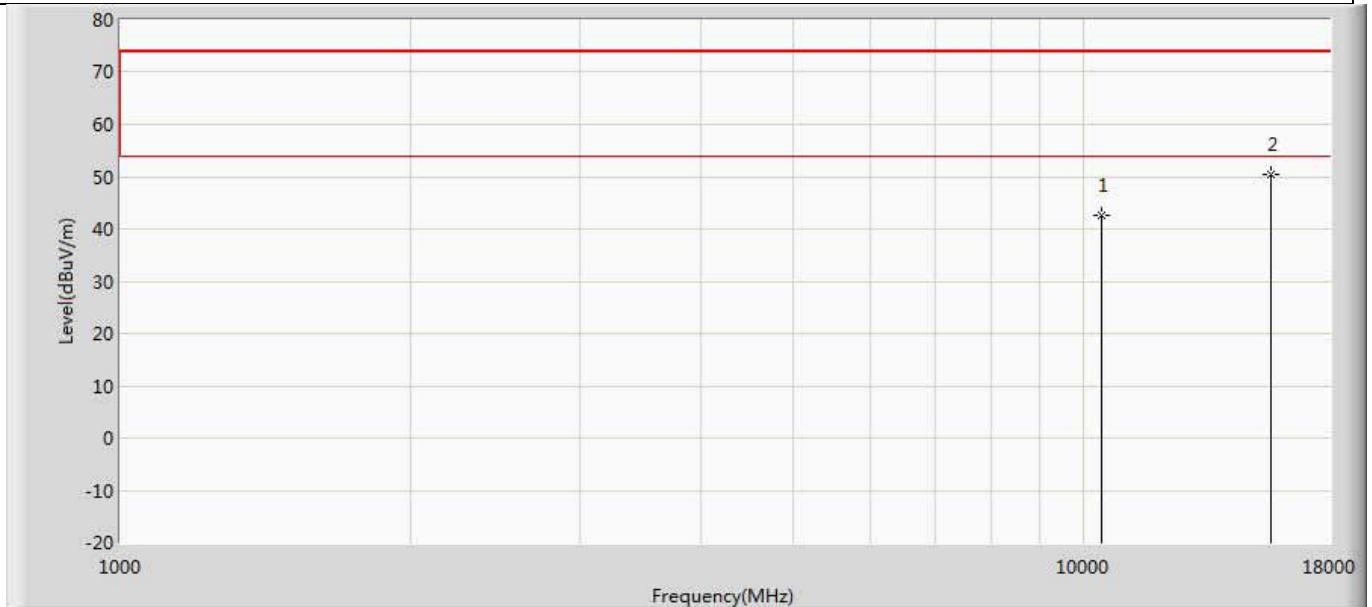
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10360.000	42.534	30.965	-31.466	74.000	11.569	PK
2	*	15540.000	50.292	32.769	-23.708	74.000	17.523	PK

Profile: 1962139R	Page No.: 284
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 00:58
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 5180MHz by 11ac20	



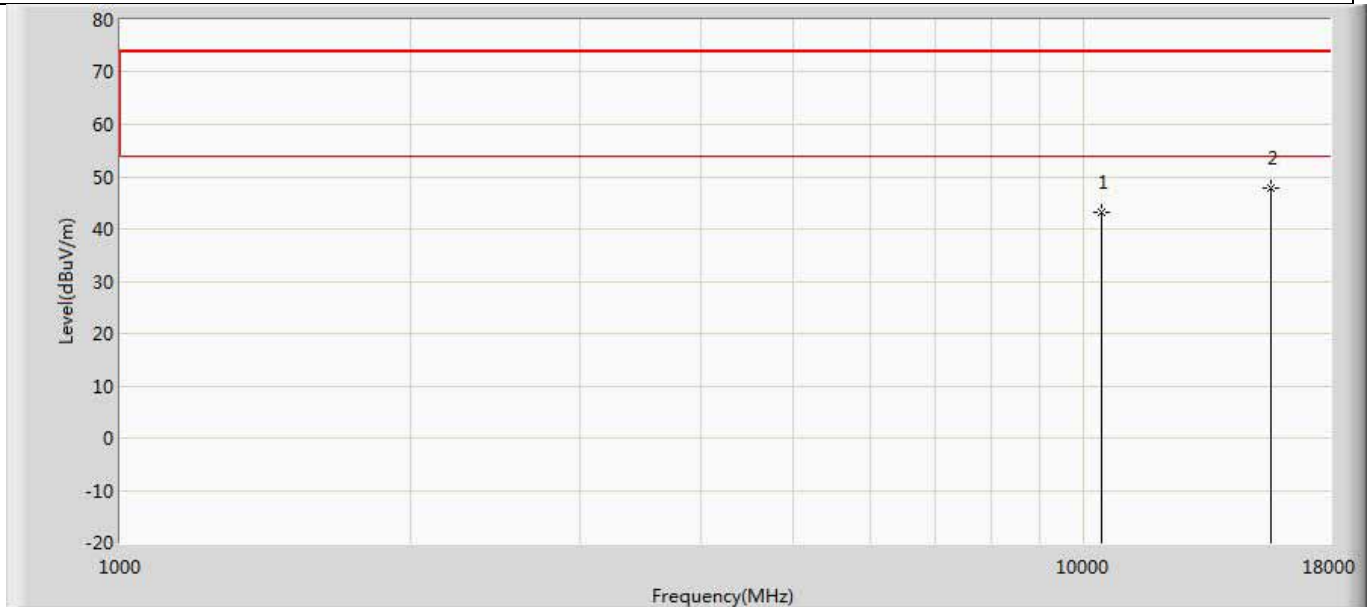
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10360.000	43.095	31.526	-30.905	74.000	11.569	PK
2	*	15540.000	49.145	31.622	-24.855	74.000	17.523	PK

Profile: 1962139R	Page No.: 285
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 00:58
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 5220MHz by 11ac20	



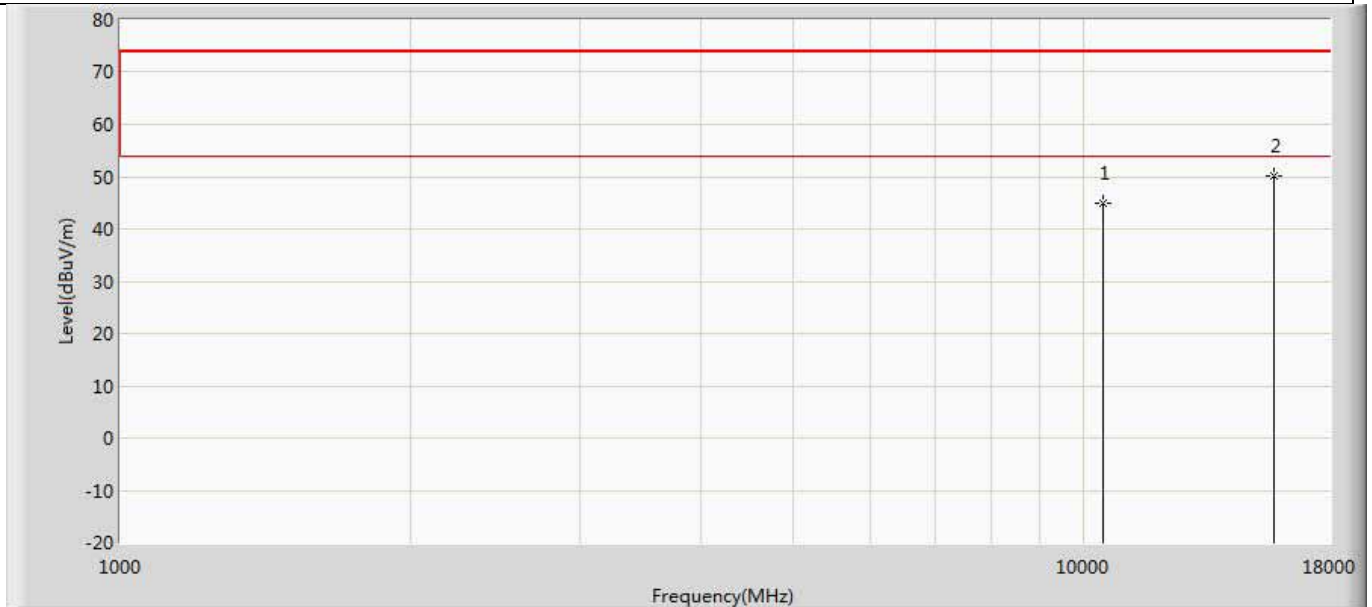
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10440.000	42.747	30.648	-31.253	74.000	12.099	PK
2	*	15660.000	50.382	32.947	-23.618	74.000	17.435	PK

Profile: 1962139R	Page No.: 286
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 00:59
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 5220MHz by 11ac20	



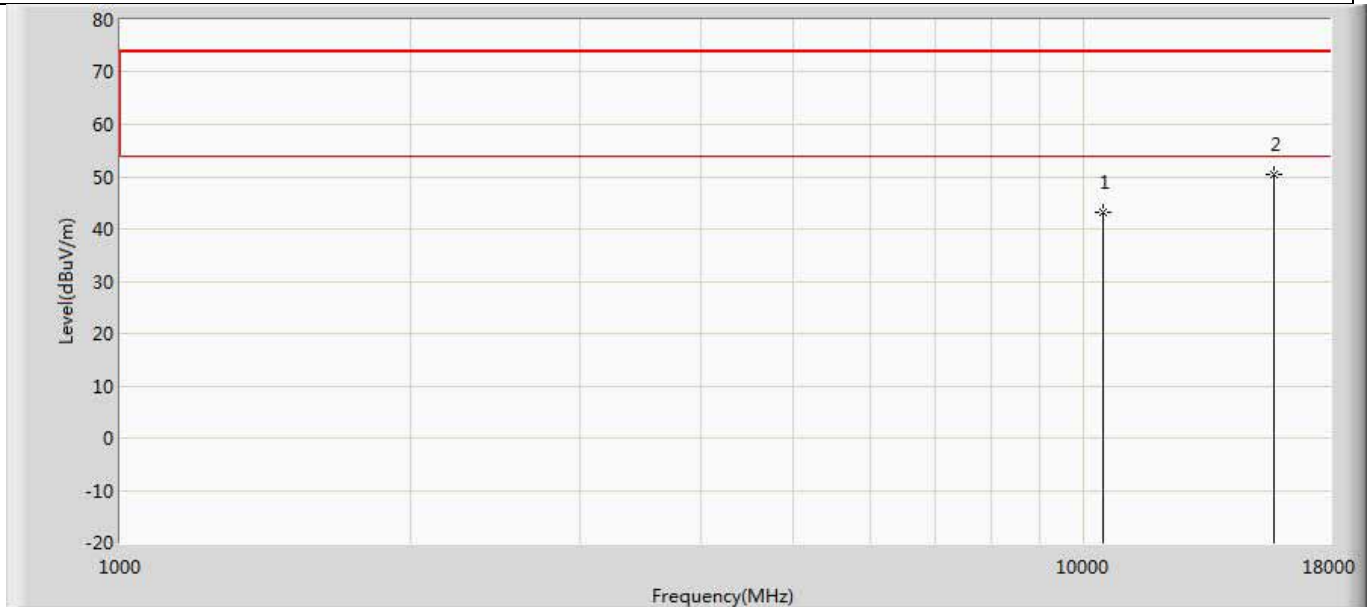
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10440.000	43.265	31.166	-30.735	74.000	12.099	PK
2	*	15660.000	47.860	30.425	-26.140	74.000	17.435	PK

Profile: 1962139R	Page No.: 287
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 00:59
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 5240MHz by 11ac20	



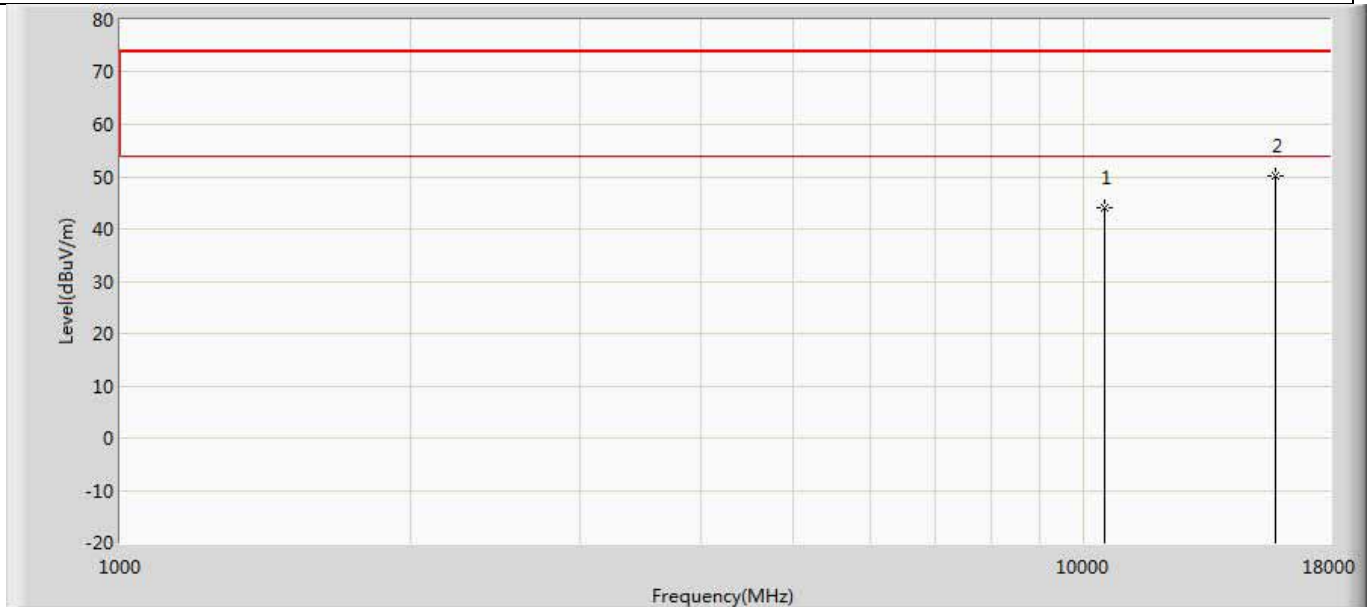
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10480.000	44.905	33.122	-29.095	74.000	11.784	PK
2	*	15720.000	50.134	32.147	-23.866	74.000	17.988	PK

Profile: 1962139R	Page No.: 288
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 00:59
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 5240MHz by 11ac20	



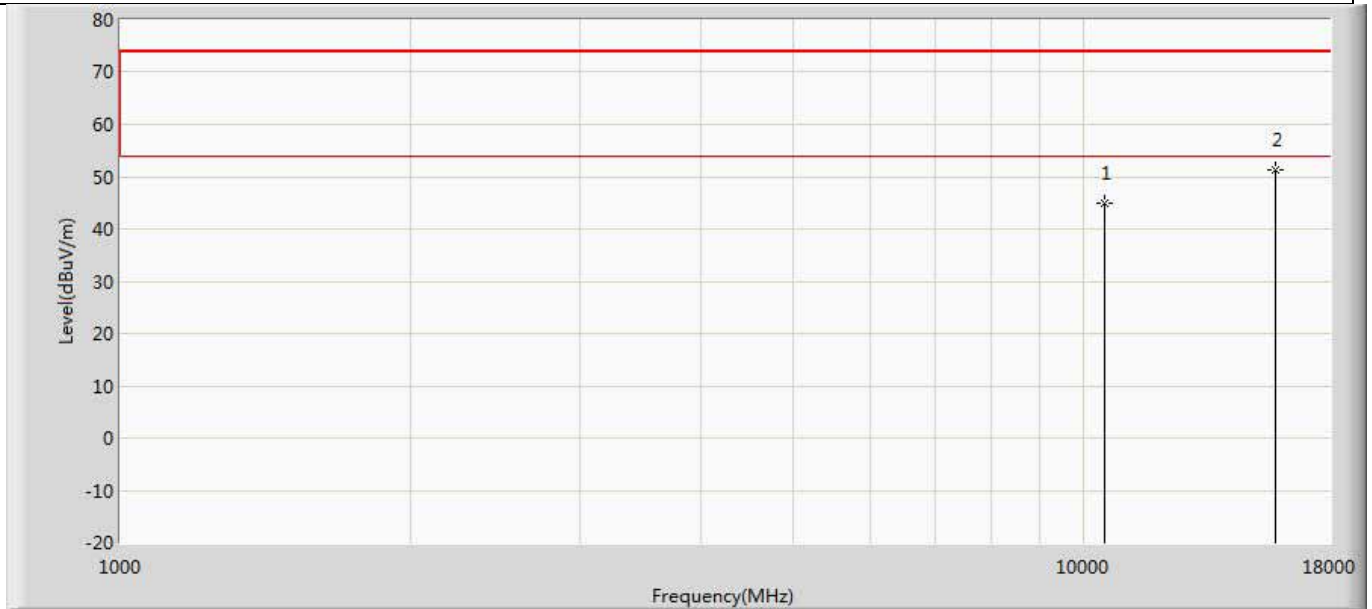
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10480.000	43.271	31.488	-30.729	74.000	11.784	PK
2	*	15720.000	50.347	32.360	-23.653	74.000	17.988	PK

Profile: 1962139R	Page No.: 289
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 00:59
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 5260MHz by 11ac20	



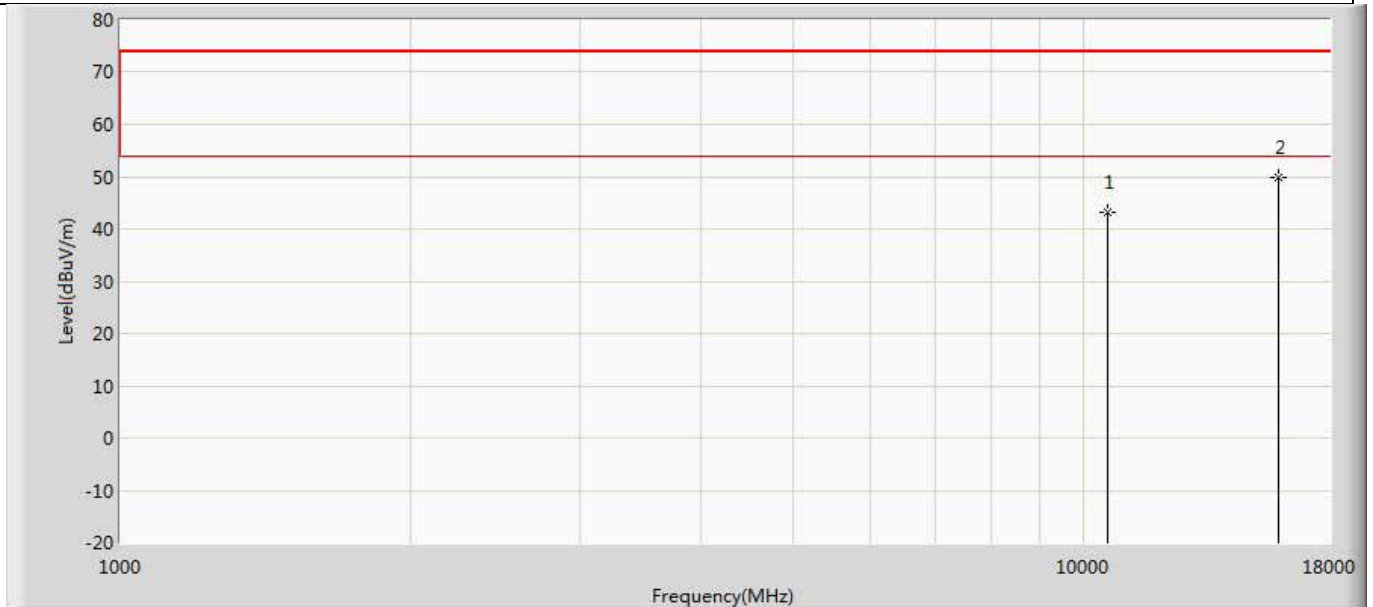
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10520.000	44.195	31.297	-29.805	74.000	12.898	PK
2	*	15780.000	50.268	32.133	-23.732	74.000	18.135	PK

Profile: 1962139R	Page No.: 290
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 00:59
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 5260MHz by 11ac20	



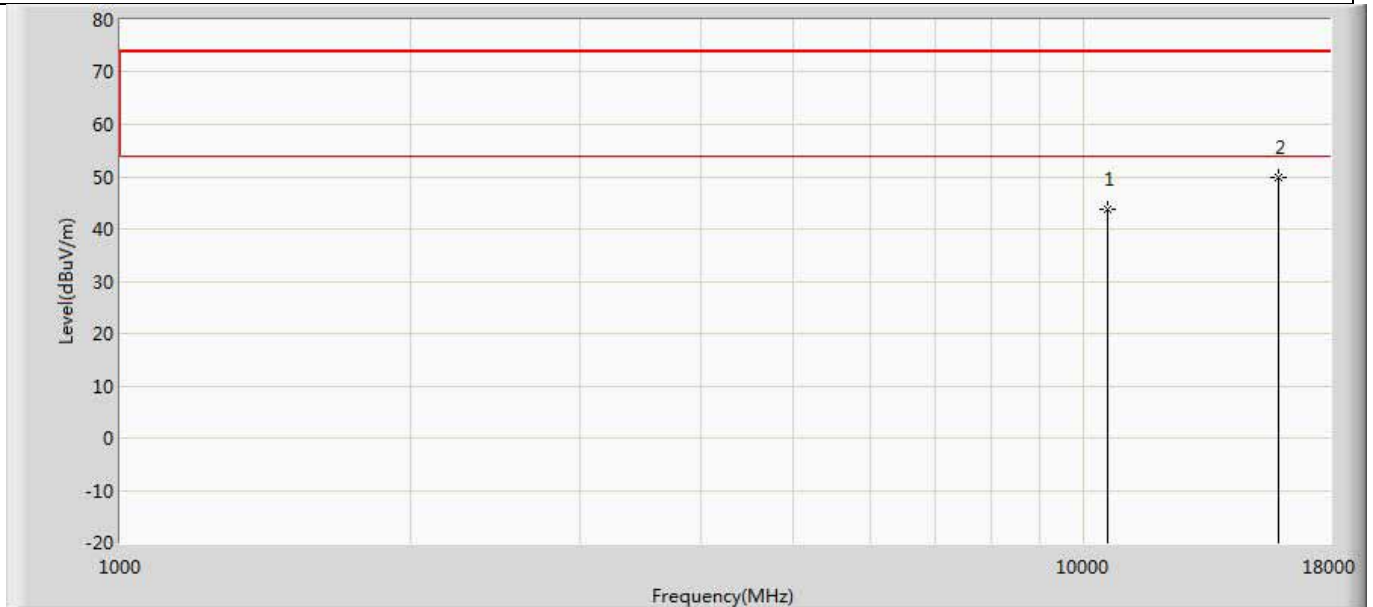
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10520.000	44.875	31.977	-29.125	74.000	12.898	PK
2	*	15780.000	51.254	33.119	-22.746	74.000	18.135	PK

Profile: 1962139R	Page No.: 291
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 00:59
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 5300MHz by 11ac20	



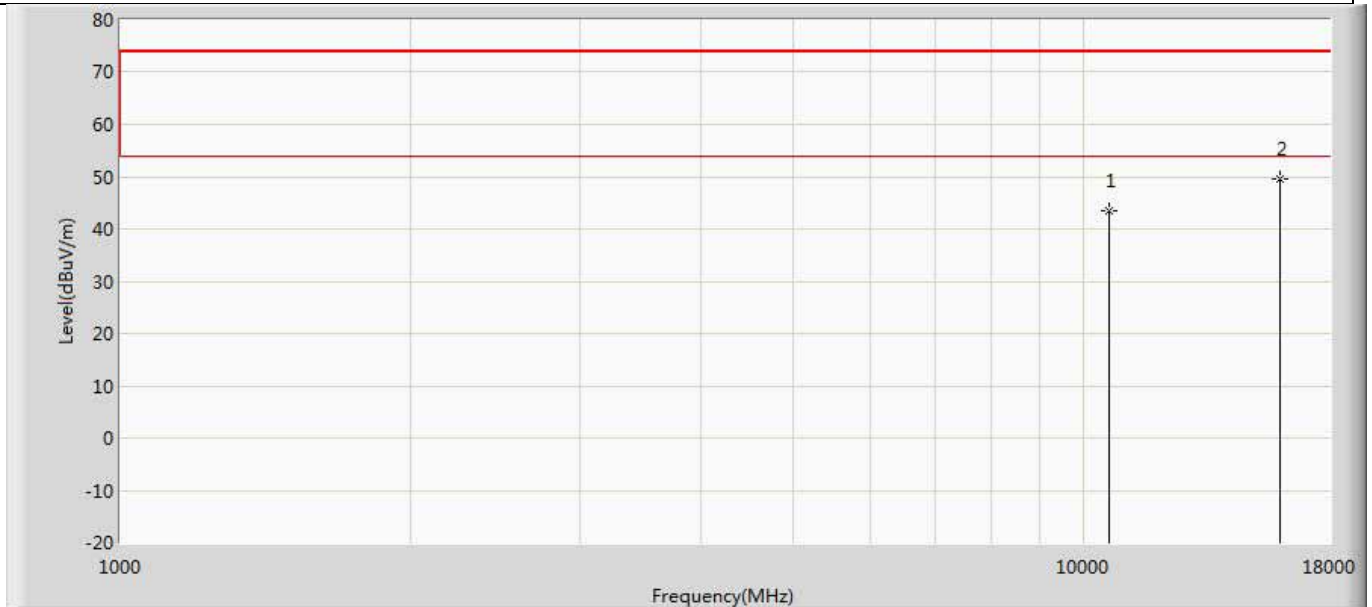
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10600.000	43.248	31.264	-30.752	74.000	11.983	PK
2	*	15900.000	49.870	31.845	-24.130	74.000	18.025	PK

Profile: 1962139R	Page No.: 292
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 00:59
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 5300MHz by 11ac20	



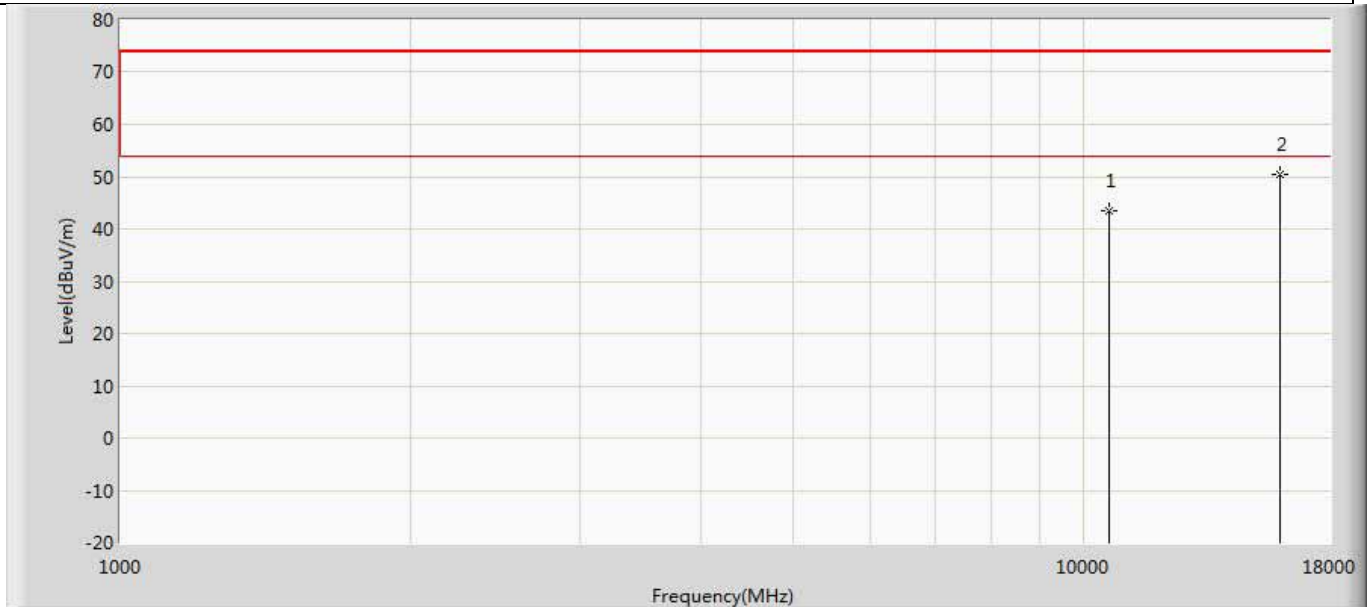
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10600.000	43.672	31.688	-30.328	74.000	11.983	PK
2	*	15900.000	49.897	31.872	-24.103	74.000	18.025	PK

Profile: 1962139R	Page No.: 293
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 00:59
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 5320MHz by 11ac20	



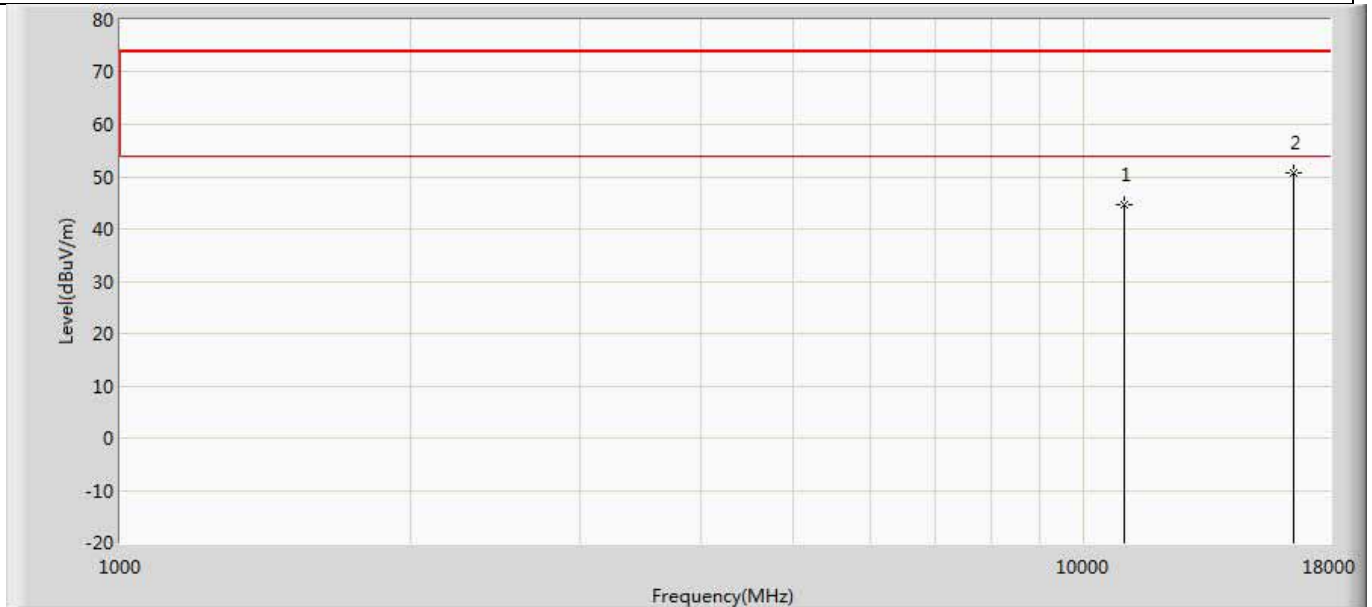
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10640.000	43.529	31.724	-30.471	74.000	11.805	PK
2	*	15960.000	49.525	31.946	-24.475	74.000	17.579	PK

Profile: 1962139R	Page No.: 294
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 00:59
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 5320MHz by 11ac20	



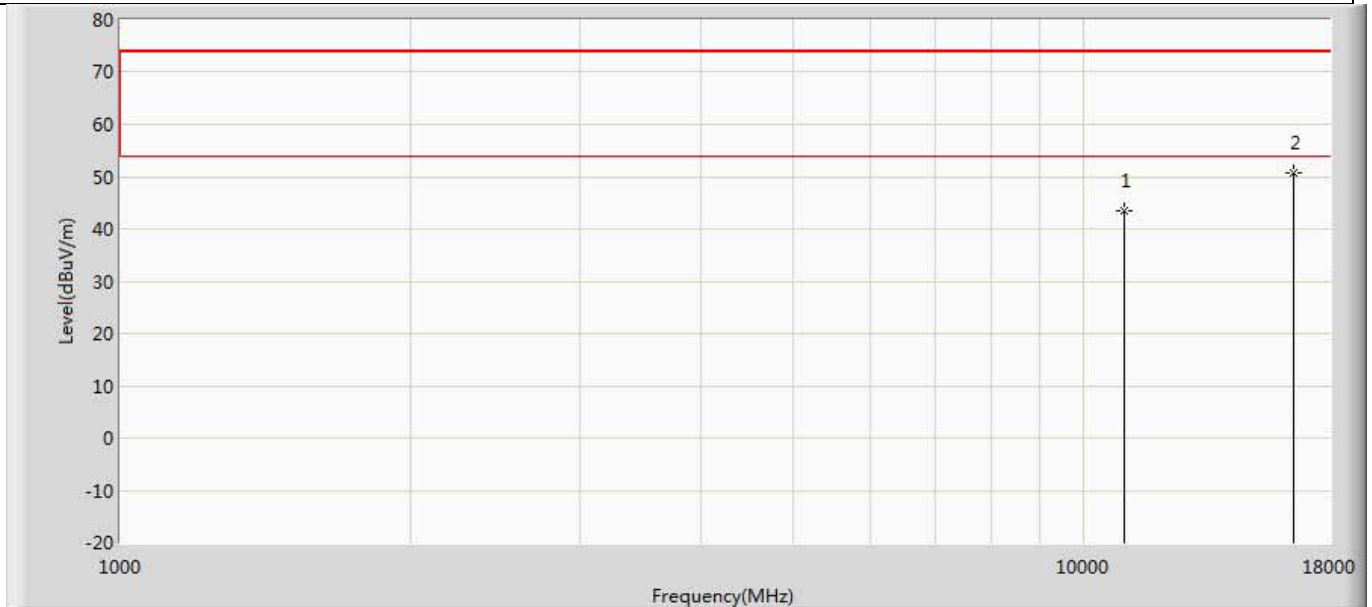
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10640.000	43.525	31.720	-30.475	74.000	11.805	PK
2	*	15960.000	50.300	32.721	-23.700	74.000	17.579	PK

Profile: 1962139R	Page No.: 295
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 00:59
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 5500MHz by 11ac20	



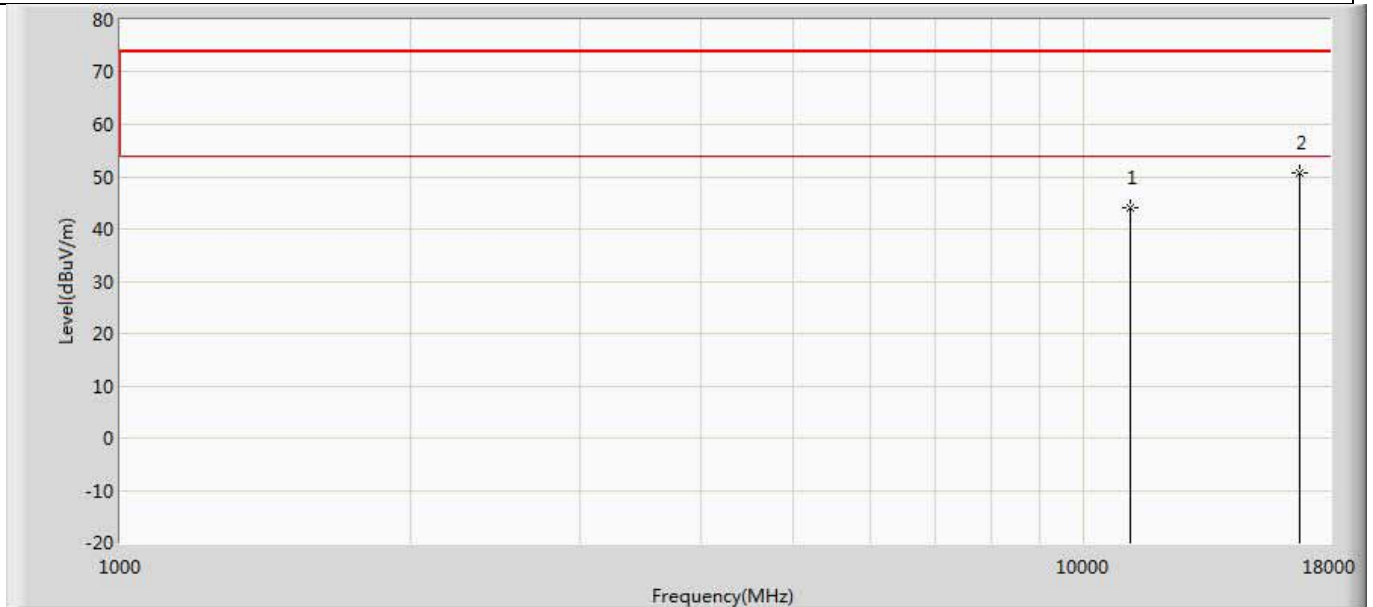
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11000.000	44.498	31.679	-29.502	74.000	12.818	PK
2	*	16500.000	50.803	32.022	-23.197	74.000	18.781	PK

Profile: 1962139R	Page No.: 296
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 01:00
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 5500MHz by 11ac20	



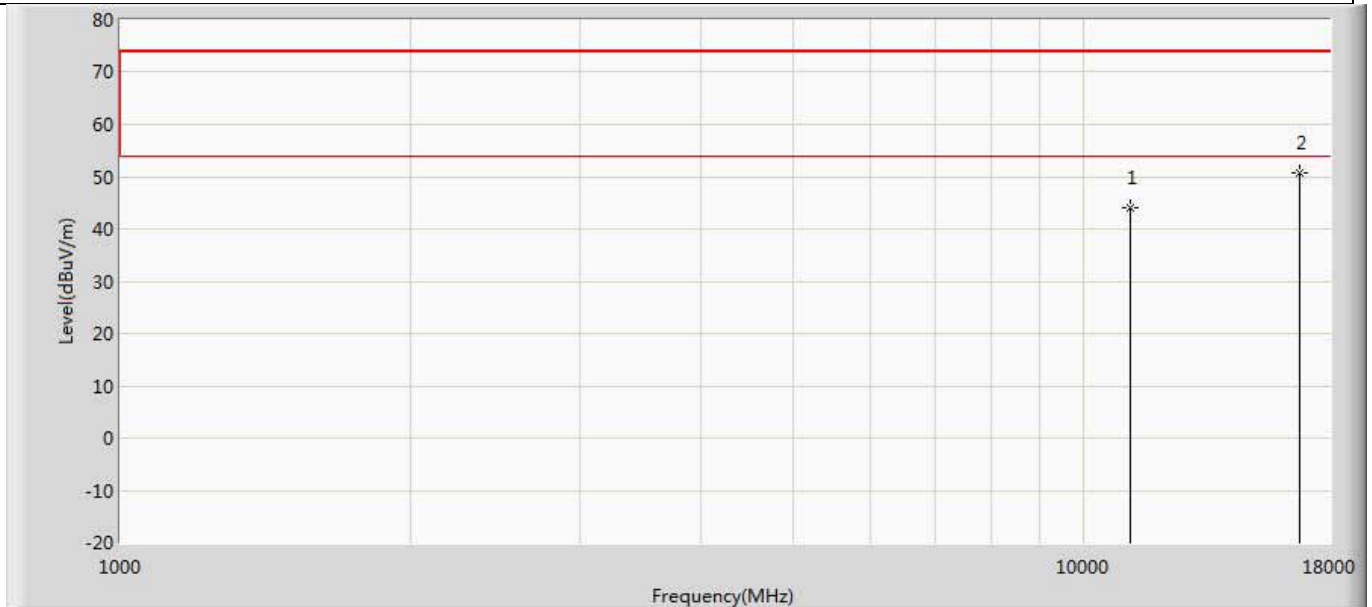
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11000.000	43.367	30.548	-30.633	74.000	12.818	PK
2	*	16500.000	50.746	31.965	-23.254	74.000	18.781	PK

Profile: 1962139R	Page No.: 297
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 01:00
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 5580MHz by 11ac20	



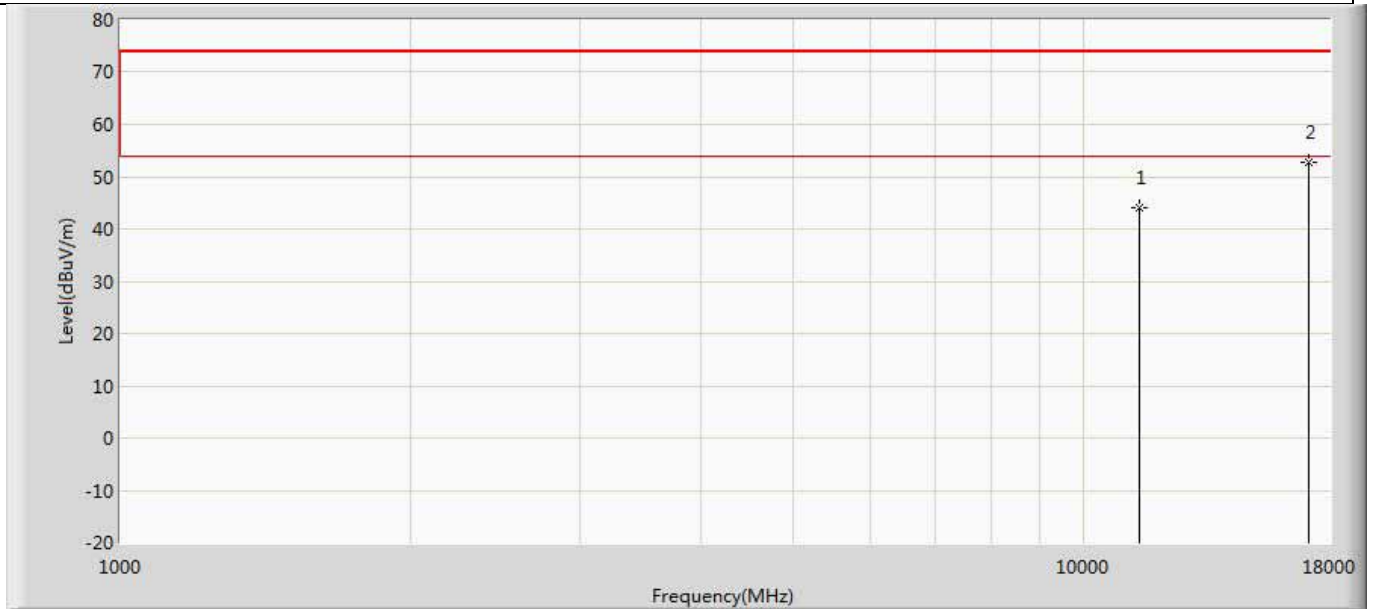
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11160.000	43.991	30.515	-30.009	74.000	13.477	PK
2	*	16740.000	50.708	32.179	-23.292	74.000	18.530	PK

Profile: 1962139R	Page No.: 298
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 01:00
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 5580MHz by 11ac20	



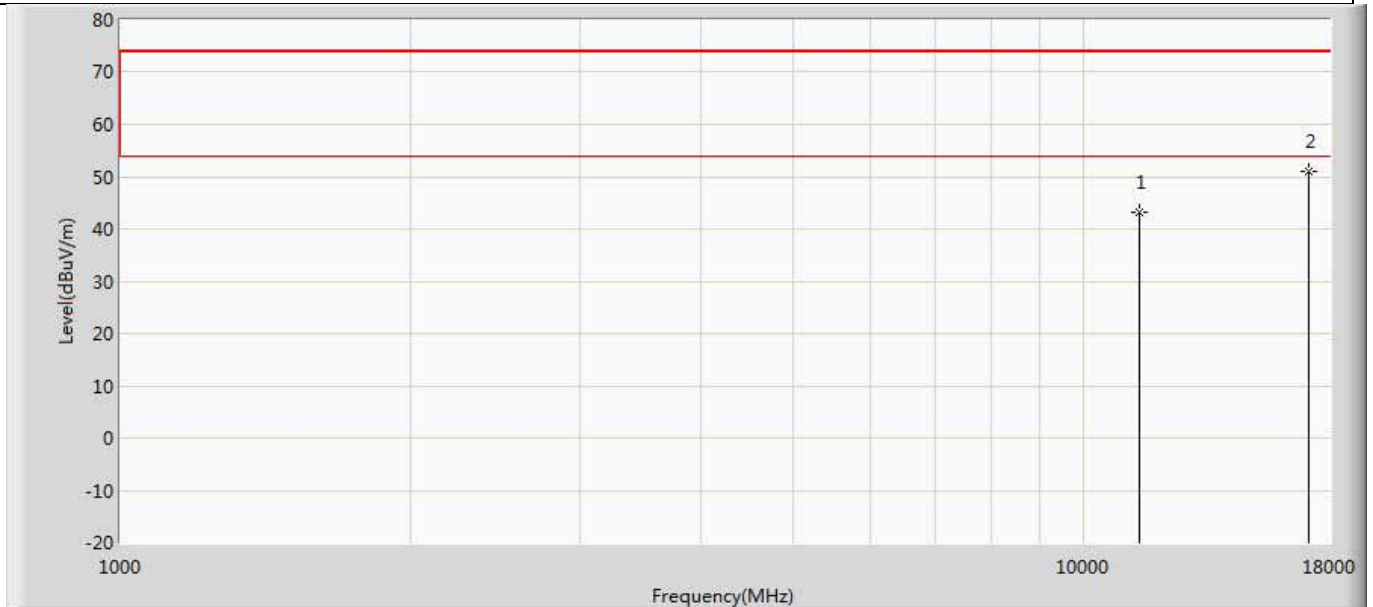
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11160.000	44.072	30.596	-29.928	74.000	13.477	PK
2	*	16740.000	50.729	32.200	-23.271	74.000	18.530	PK

Profile: 1962139R	Page No.: 299
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 01:00
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 5700MHz by 11ac20	



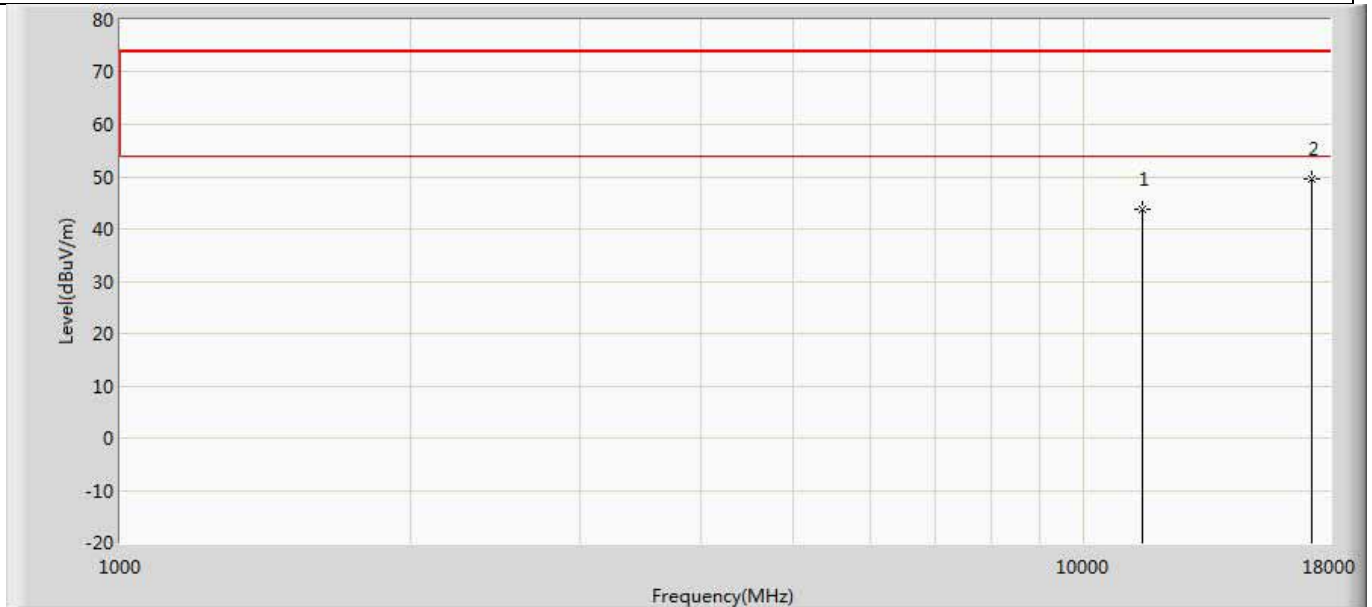
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11400.000	44.003	30.642	-29.997	74.000	13.361	PK
2	*	17100.000	52.893	32.981	-21.107	74.000	19.912	PK

Profile: 1962139R	Page No.: 300
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 01:00
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 5700MHz by 11ac20	



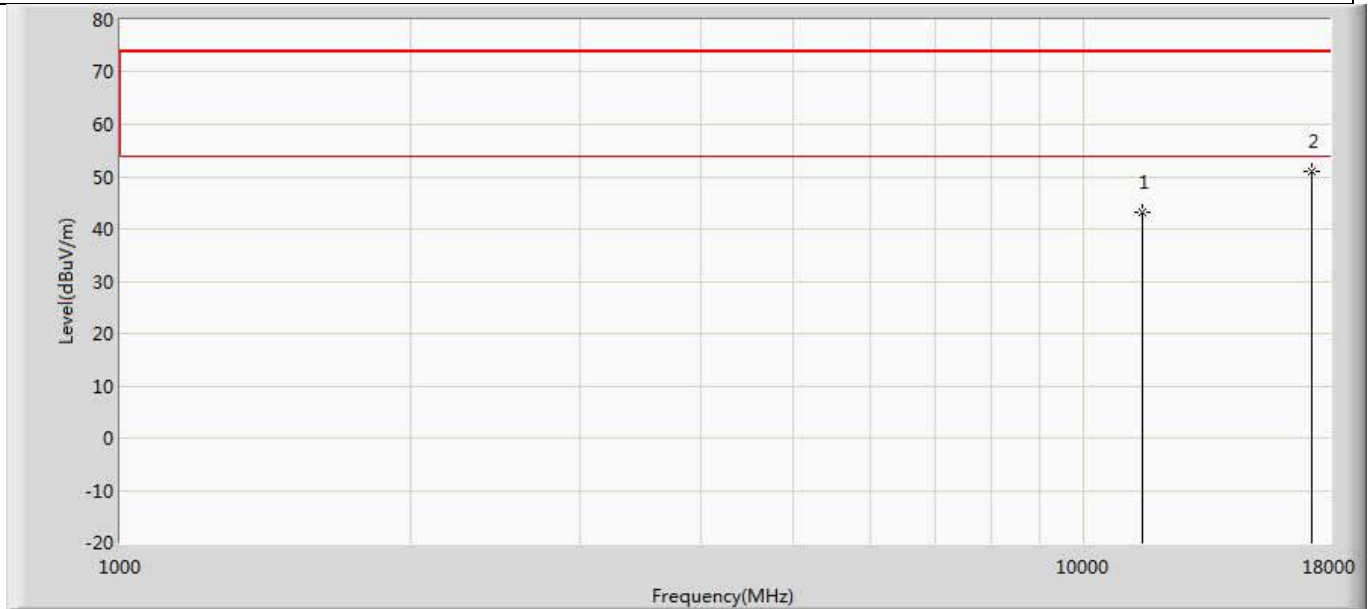
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11400.000	43.072	29.711	-30.928	74.000	13.361	PK
2	*	17100.000	50.896	30.984	-23.104	74.000	19.912	PK

Profile: 1962139R	Page No.: 301
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 01:00
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 5745MHz by 11ac20	



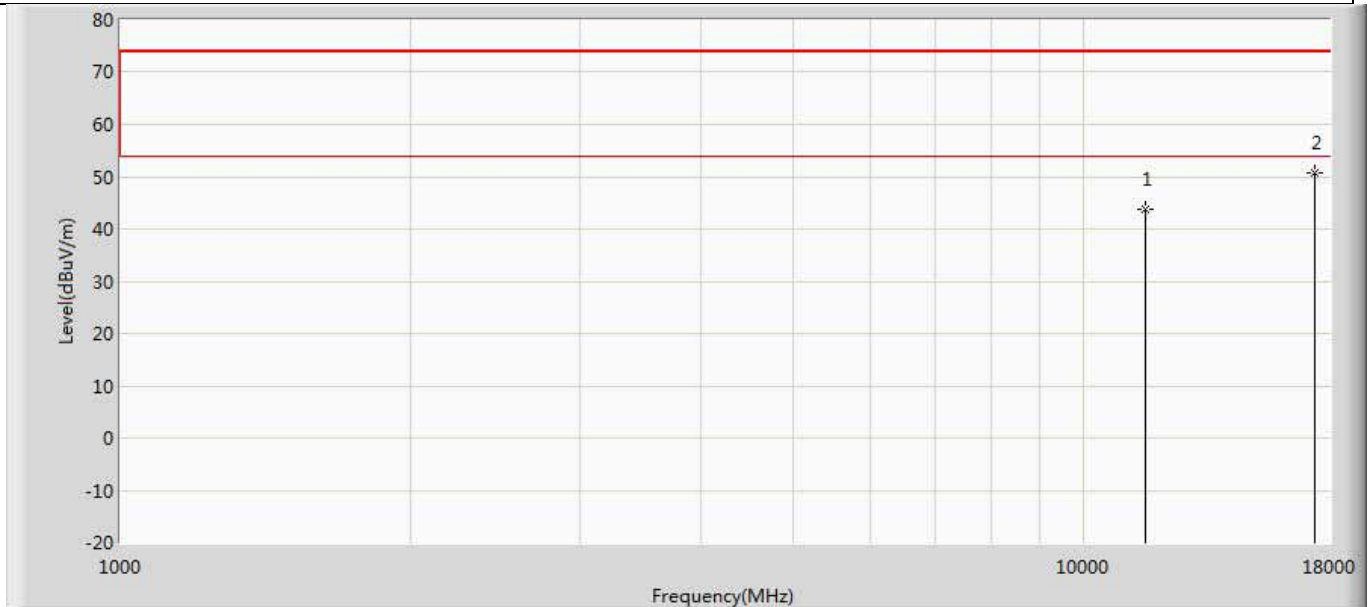
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11490.000	43.727	30.486	-30.273	74.000	13.241	PK
2	*	17235.000	49.539	29.340	-24.461	74.000	20.199	PK

Profile: 1962139R	Page No.: 302
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 01:00
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 5745MHz by 11ac20	



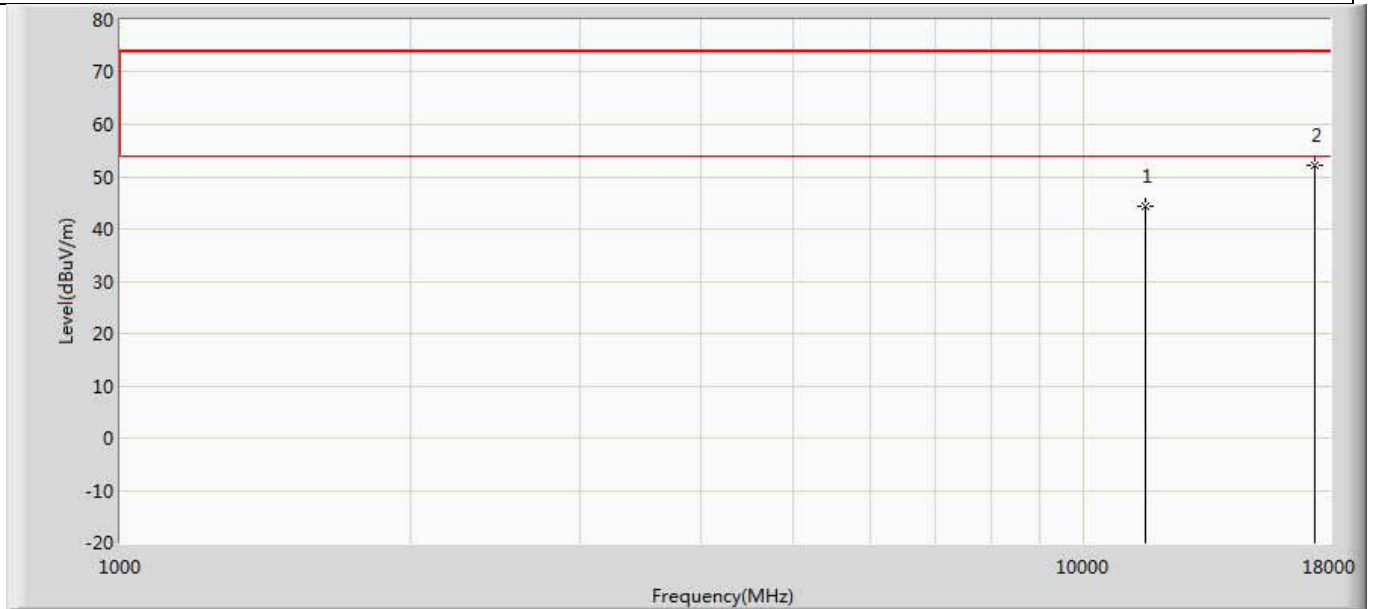
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11490.000	43.257	30.016	-30.743	74.000	13.241	PK
2	*	17235.000	50.957	30.758	-23.043	74.000	20.199	PK

Profile: 1962139R	Page No.: 303
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 01:00
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 5785MHz by 11ac20	



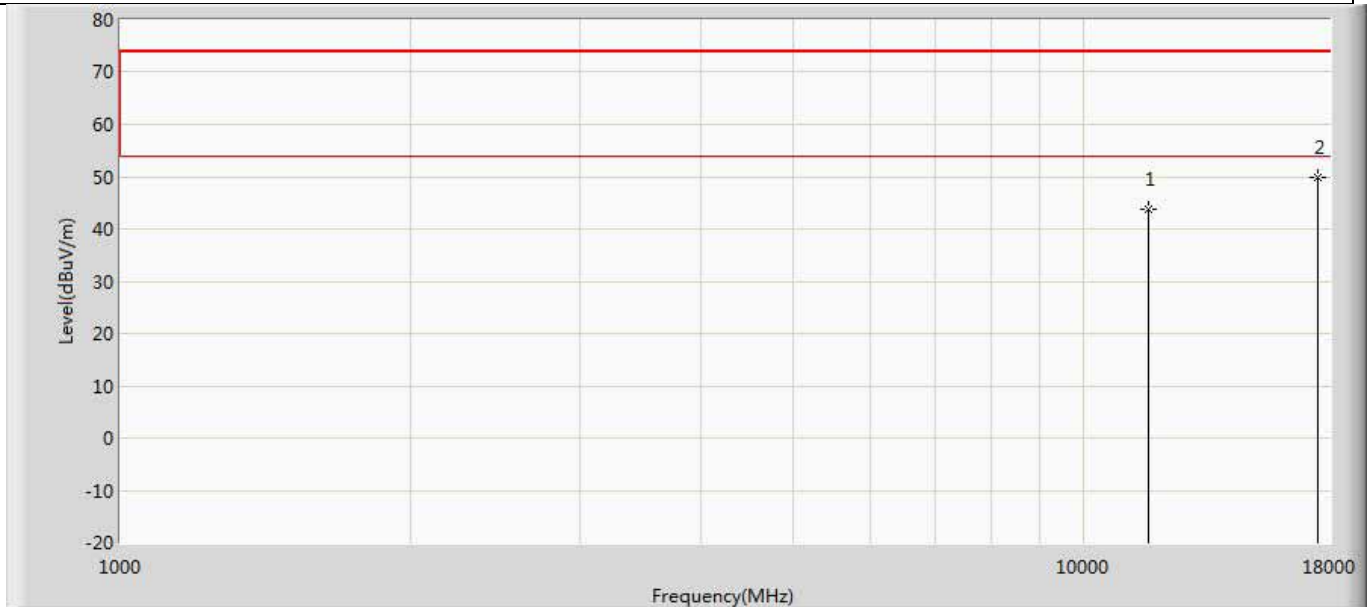
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11570.000	43.772	30.245	-30.228	74.000	13.528	PK
2	*	17355.000	50.768	31.232	-23.232	74.000	19.536	PK

Profile: 1962139R	Page No.: 304
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 01:00
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 5785MHz by 11ac20	



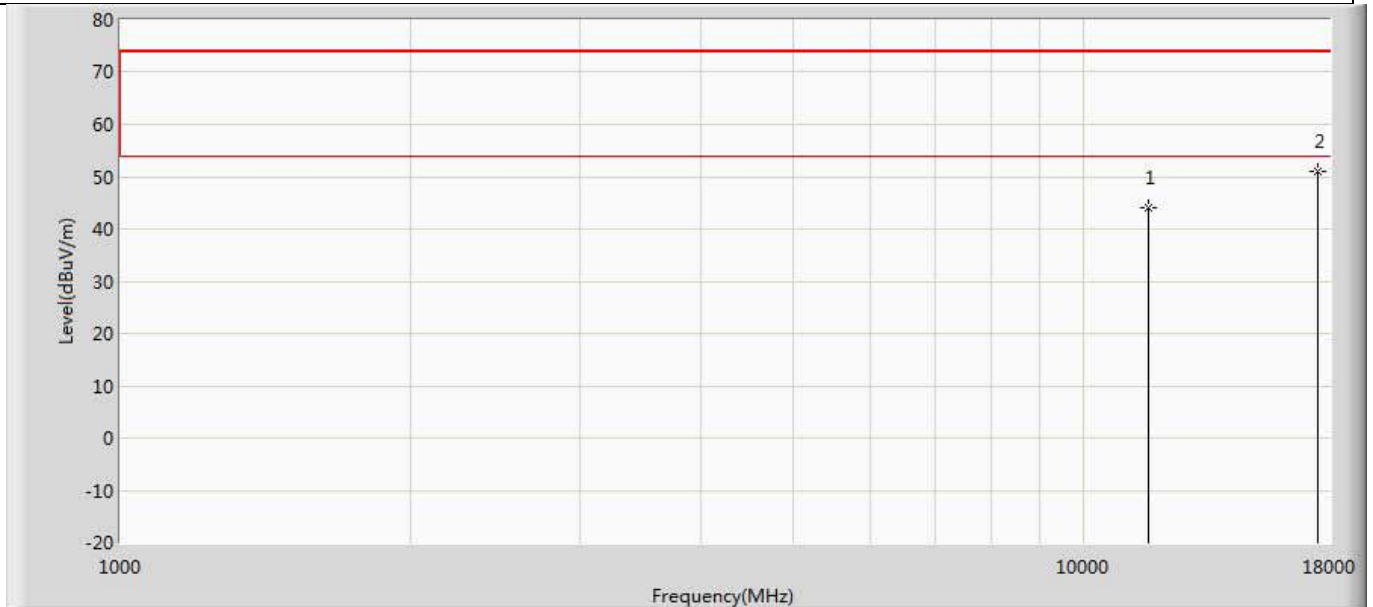
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11570.000	44.342	30.815	-29.658	74.000	13.528	PK
2	*	17355.000	52.318	32.782	-21.682	74.000	19.536	PK

Profile: 1962139R	Page No.: 305
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 01:00
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 5825MHz by 11ac20	



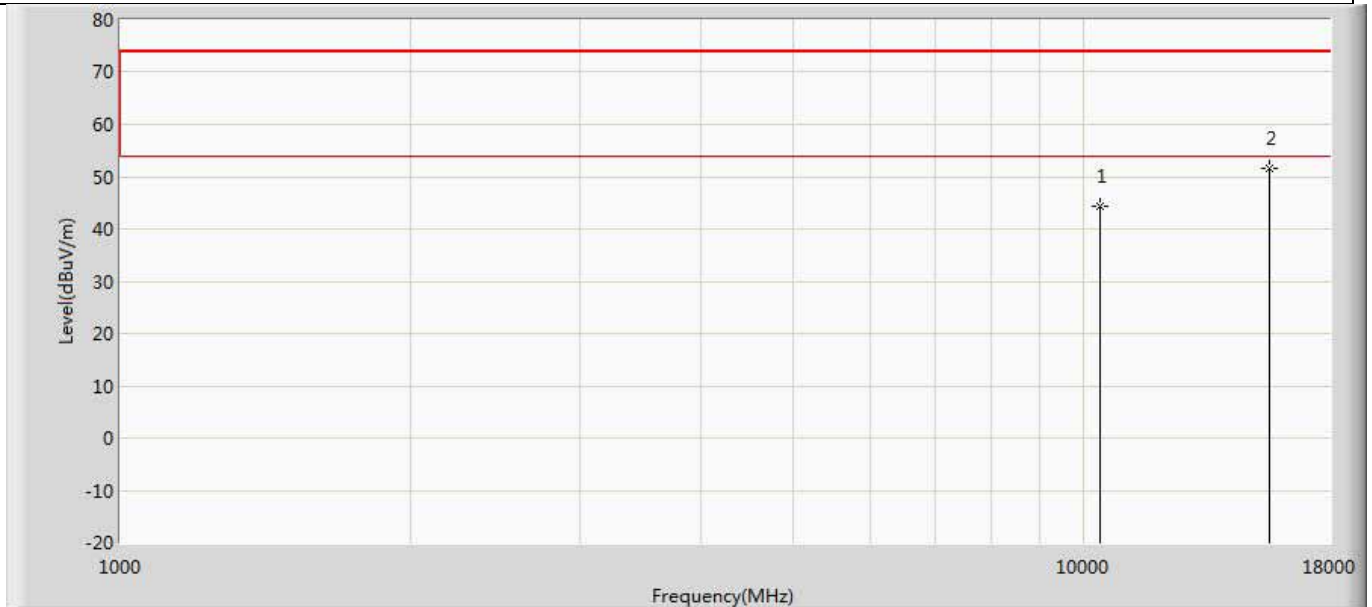
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11650.000	43.808	29.901	-30.192	74.000	13.907	PK
2	*	17475.000	49.929	30.390	-24.071	74.000	19.539	PK

Profile: 1962139R	Page No.: 306
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 01:01
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 5825MHz by 11ac20	



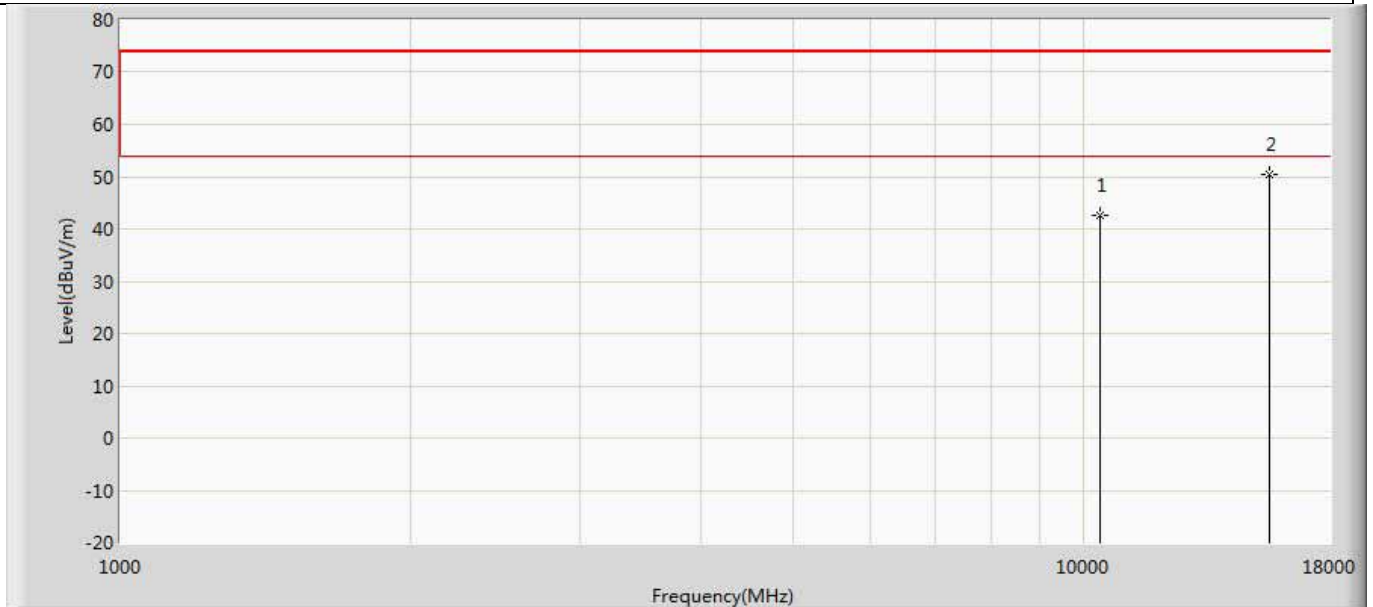
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11650.000	43.961	30.054	-30.039	74.000	13.907	PK
2	*	17475.000	51.107	31.568	-22.893	74.000	19.539	PK

Profile: 1962139R	Page No.: 307
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 01:01
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 5:Transmit at 5190MHz by 11ac40	



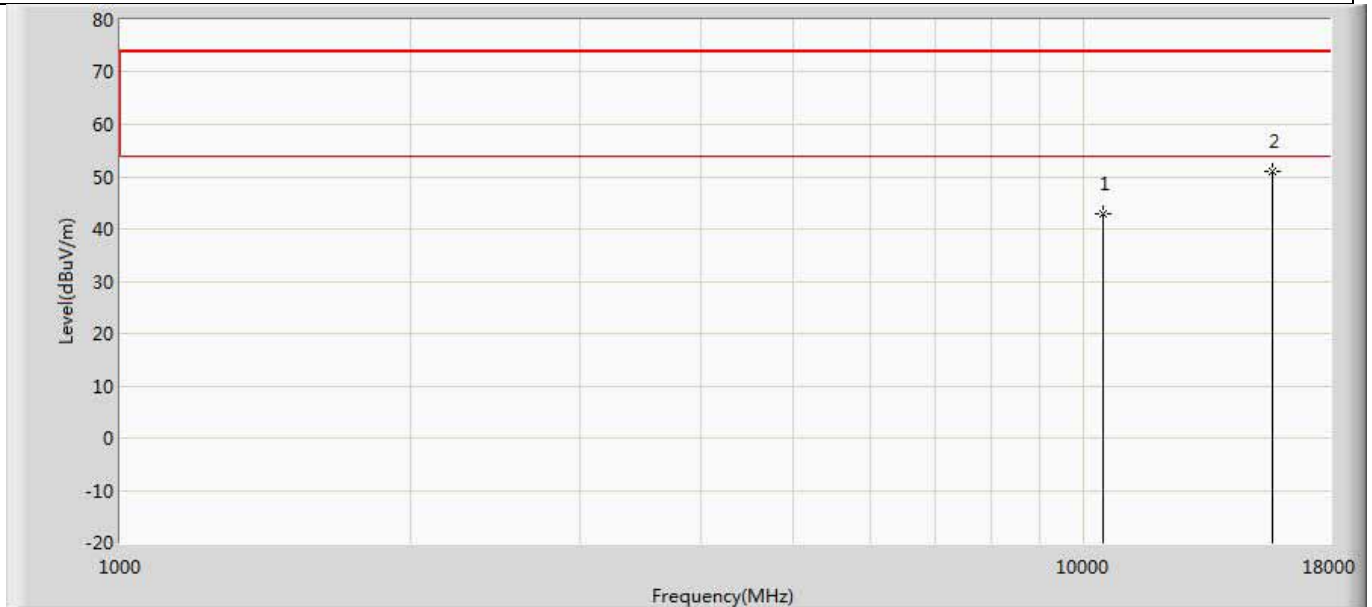
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10380.000	44.316	32.737	-29.684	74.000	11.579	PK
2	*	15570.000	51.561	33.533	-22.439	74.000	18.028	PK

Profile: 1962139R	Page No.: 308
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 01:01
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 5:Transmit at 5190MHz by 11ac40	



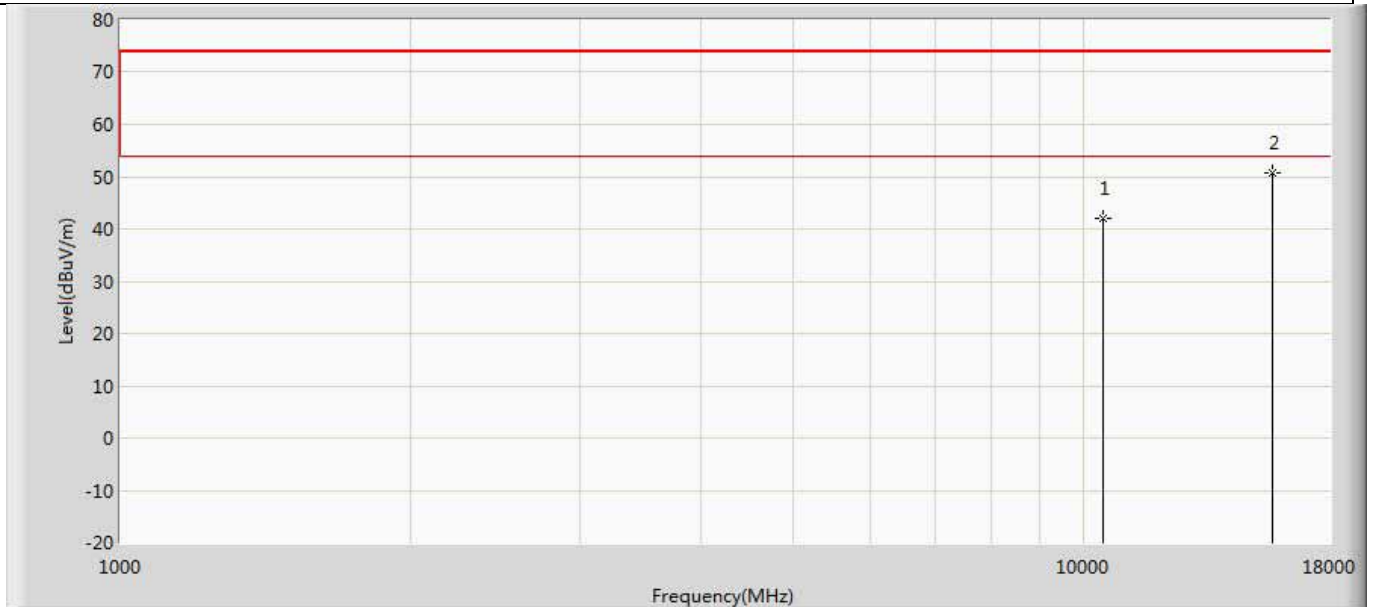
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10380.000	42.589	31.010	-31.411	74.000	11.579	PK
2	*	15570.000	50.397	32.369	-23.603	74.000	18.028	PK

Profile: 1962139R	Page No.: 309
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 01:01
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 5:Transmit at 5230MHz by 11ac40	



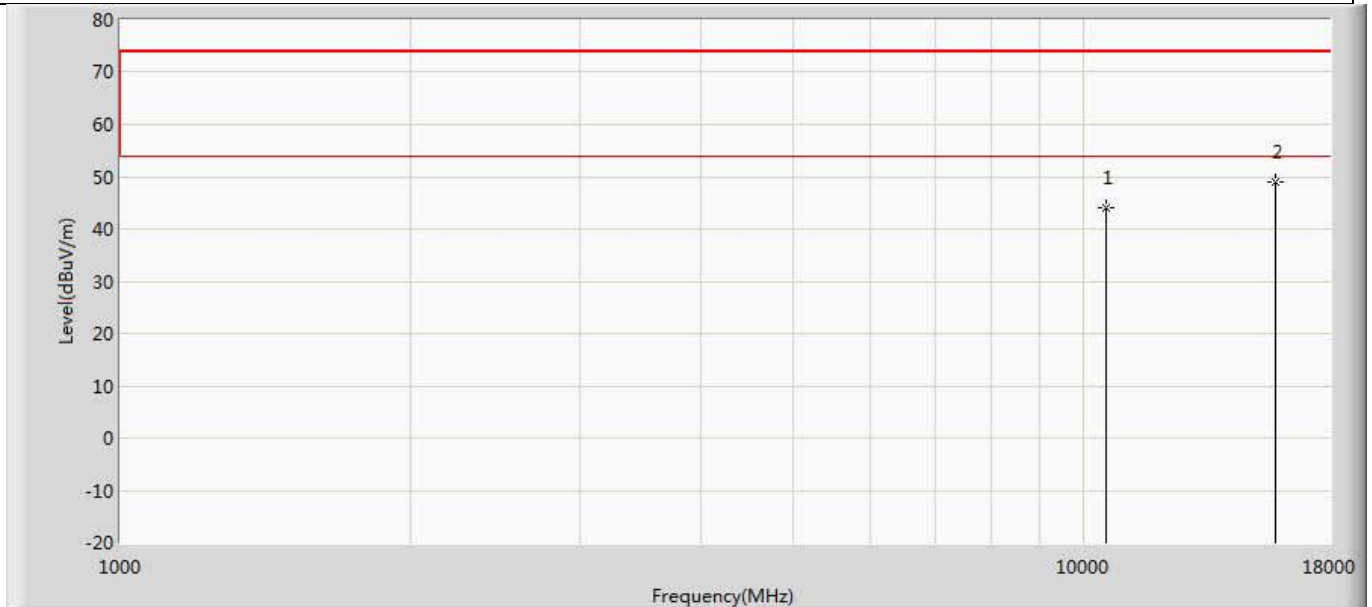
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10460.000	43.030	31.441	-30.970	74.000	11.589	PK
2	*	15690.000	51.013	32.786	-22.987	74.000	18.226	PK

Profile: 1962139R	Page No.: 310
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 01:01
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 5:Transmit at 5230MHz by 11ac40	



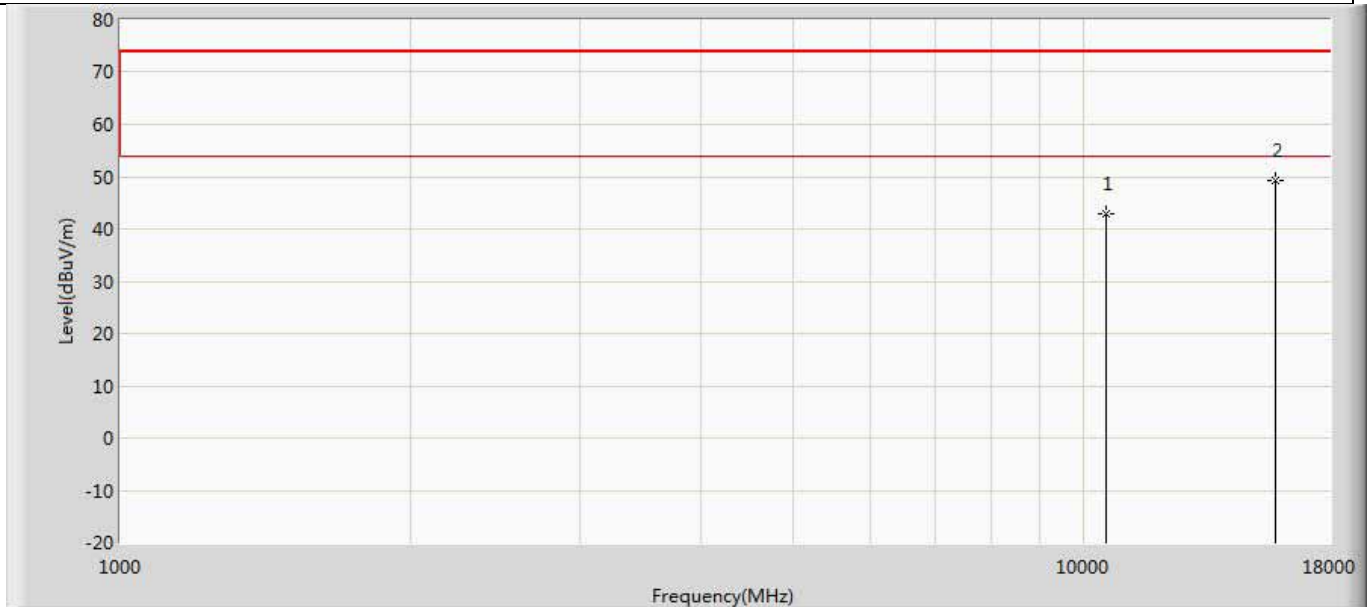
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10460.000	42.018	30.429	-31.982	74.000	11.589	PK
2	*	15690.000	50.803	32.576	-23.197	74.000	18.226	PK

Profile: 1962139R	Page No.: 311
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 01:01
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 5:Transmit at 5270MHz by 11ac40	



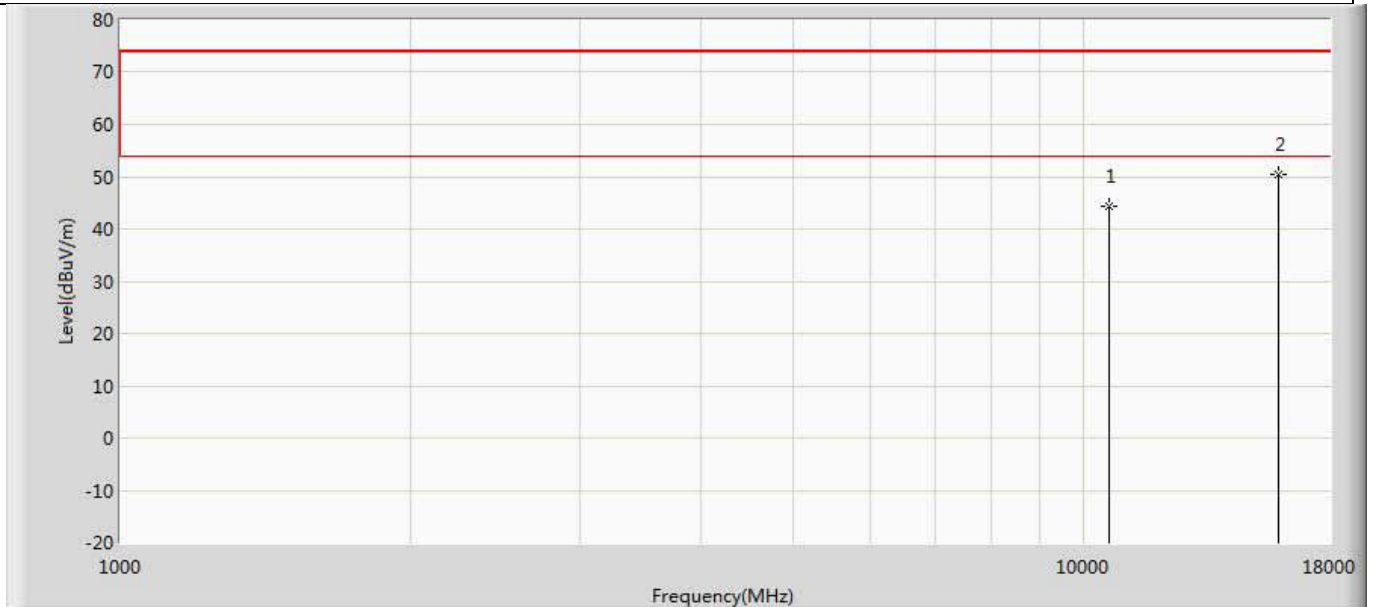
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10540.000	43.948	31.710	-30.052	74.000	12.238	PK
2	*	15810.000	49.117	31.158	-24.883	74.000	17.960	PK

Profile: 1962139R	Page No.: 312
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 01:01
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 5:Transmit at 5270MHz by 11ac40	



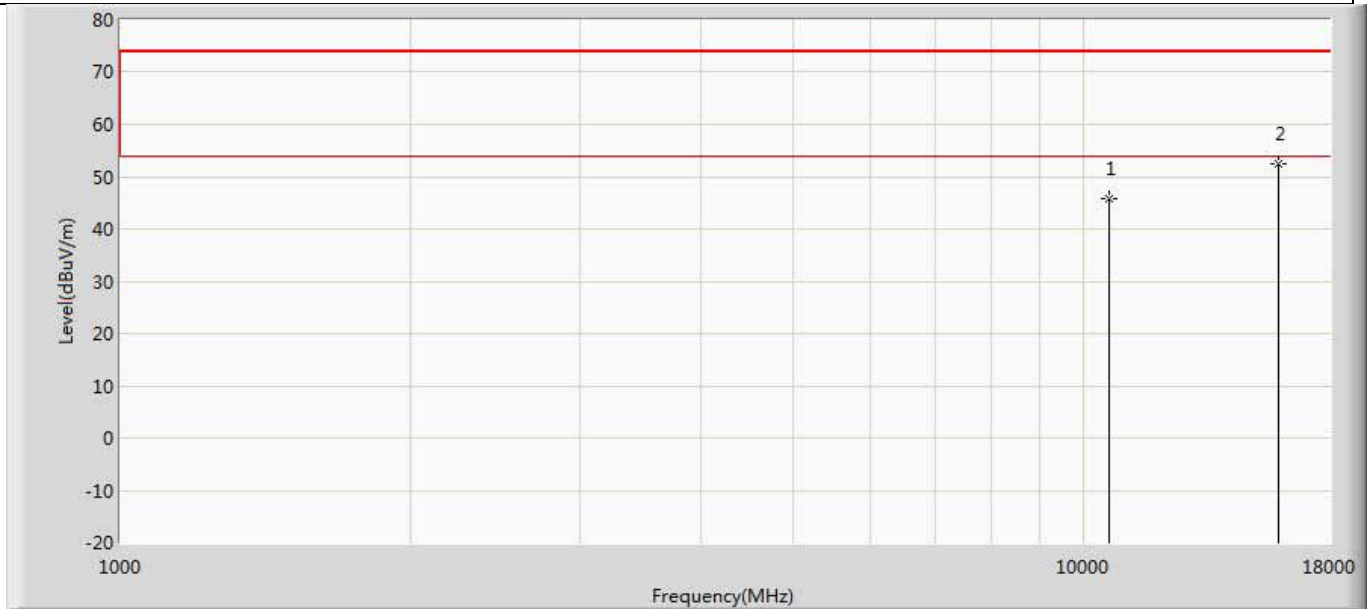
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10540.000	42.890	30.652	-31.110	74.000	12.238	PK
2	*	15810.000	49.352	31.393	-24.648	74.000	17.960	PK

Profile: 1962139R	Page No.: 313
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 01:01
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 5:Transmit at 5310MHz by 11ac40	



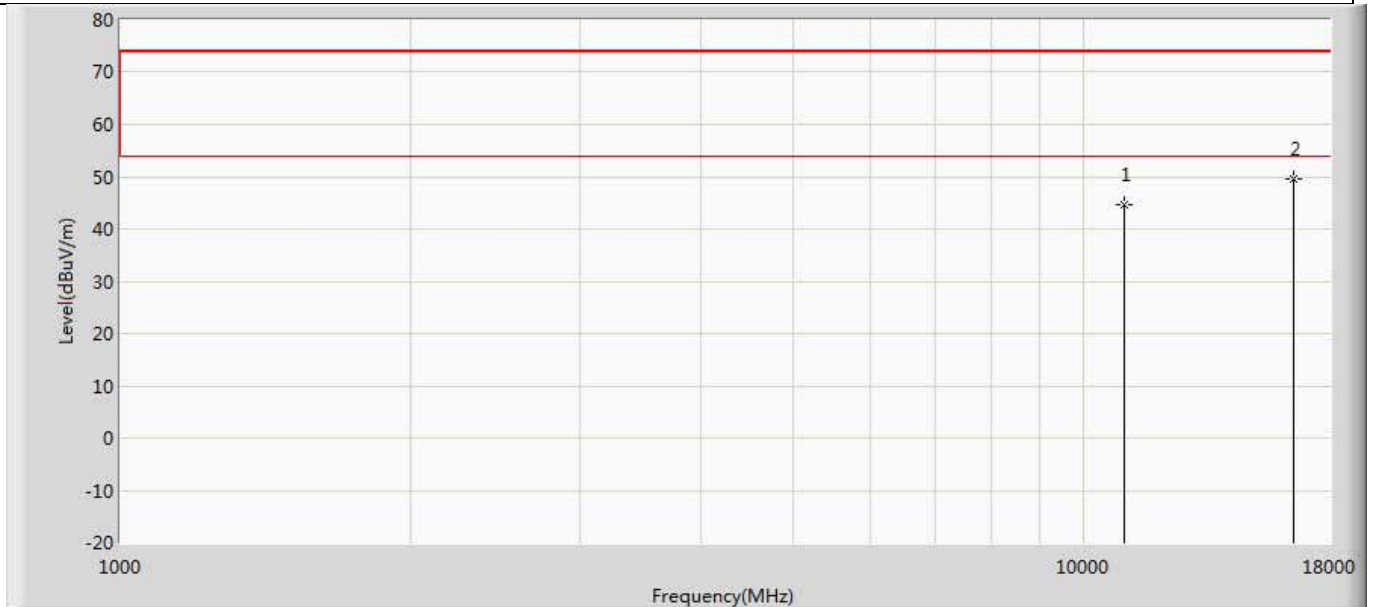
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10620.000	44.394	31.681	-29.606	74.000	12.714	PK
2	*	15930.000	50.496	31.698	-23.504	74.000	18.798	PK

Profile: 1962139R	Page No.: 314
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 01:01
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 5:Transmit at 5310MHz by 11ac40	



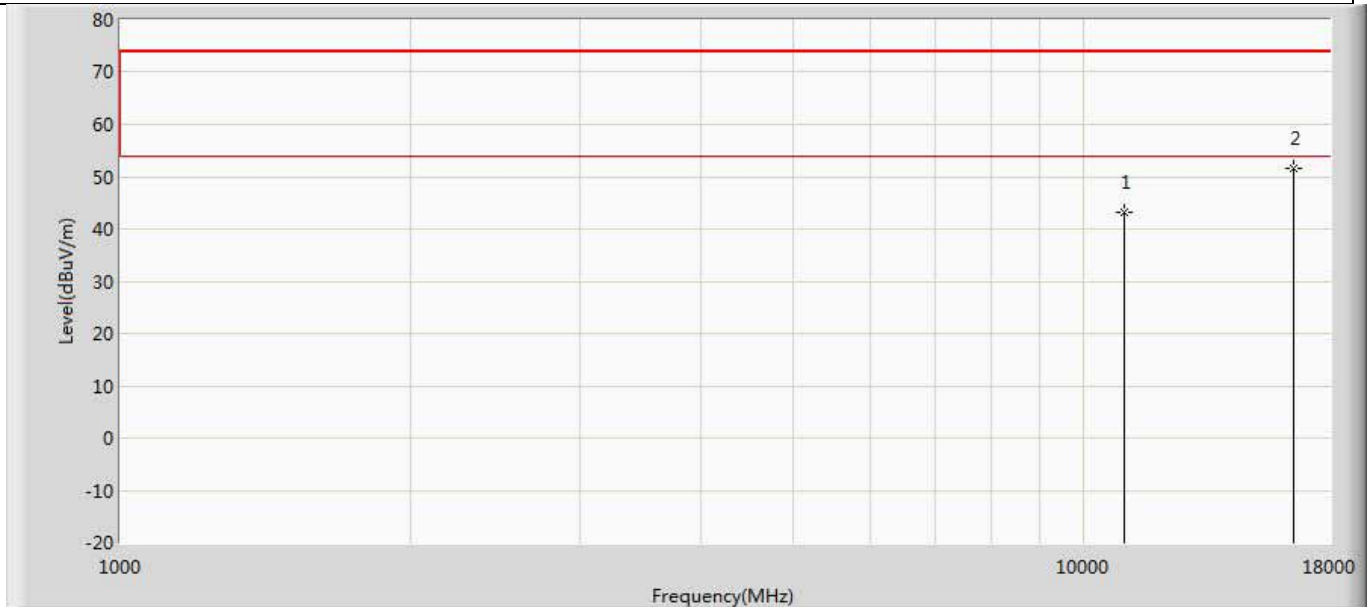
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10620.000	45.720	33.007	-28.280	74.000	12.714	PK
2	*	15930.000	52.346	33.548	-21.654	74.000	18.798	PK

Profile: 1962139R	Page No.: 315
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 01:01
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 5:Transmit at 5510MHz by 11ac40	



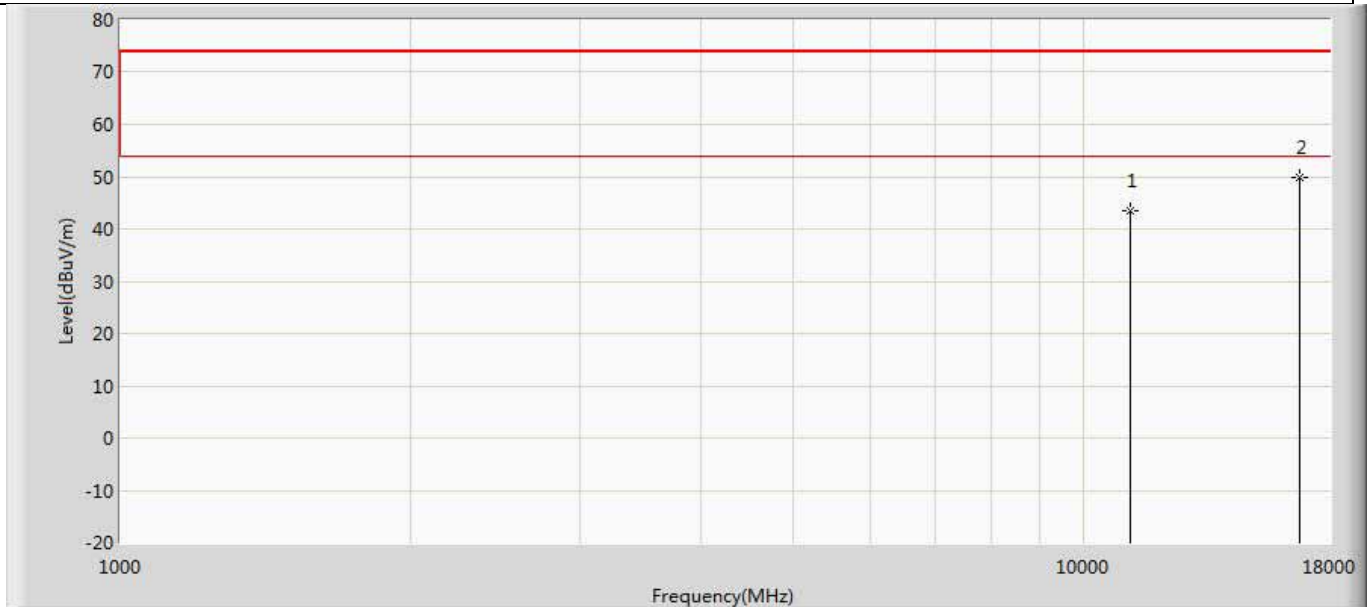
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11020.000	44.499	31.293	-29.501	74.000	13.205	PK
2	*	16530.000	49.567	30.905	-24.433	74.000	18.662	PK

Profile: 1962139R	Page No.: 316
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 01:02
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 5:Transmit at 5510MHz by 11ac40	



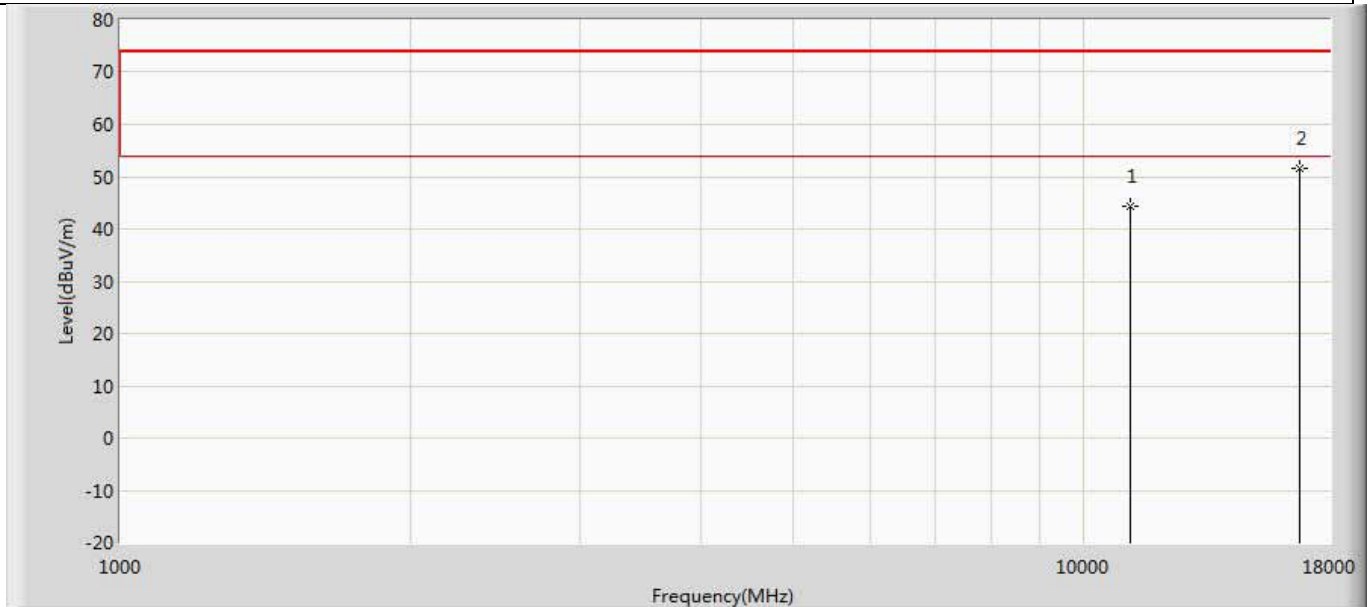
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11020.000	43.259	30.053	-30.741	74.000	13.205	PK
2	*	16530.000	51.532	32.870	-22.468	74.000	18.662	PK

Profile: 1962139R	Page No.: 317
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 01:02
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 5:Transmit at 5590MHz by 11ac40	



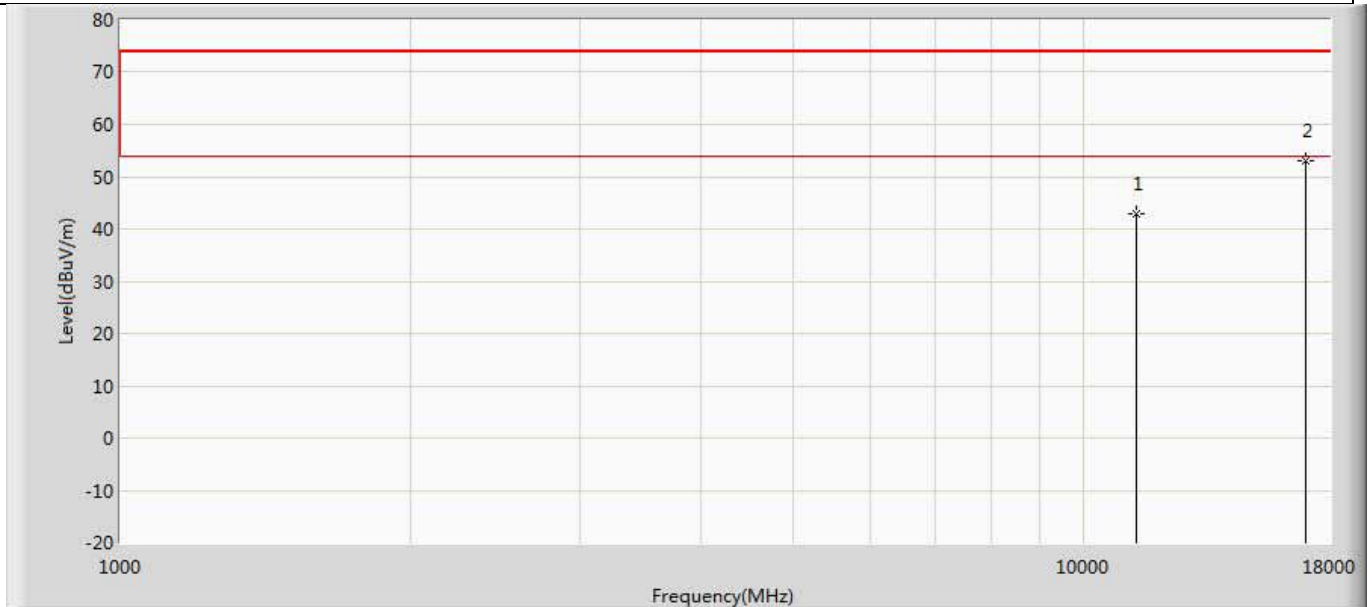
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11180.000	43.435	30.147	-30.565	74.000	13.287	PK
2	*	16770.000	49.975	31.131	-24.025	74.000	18.844	PK

Profile: 1962139R	Page No.: 318
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 01:02
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 5:Transmit at 5590MHz by 11ac40	



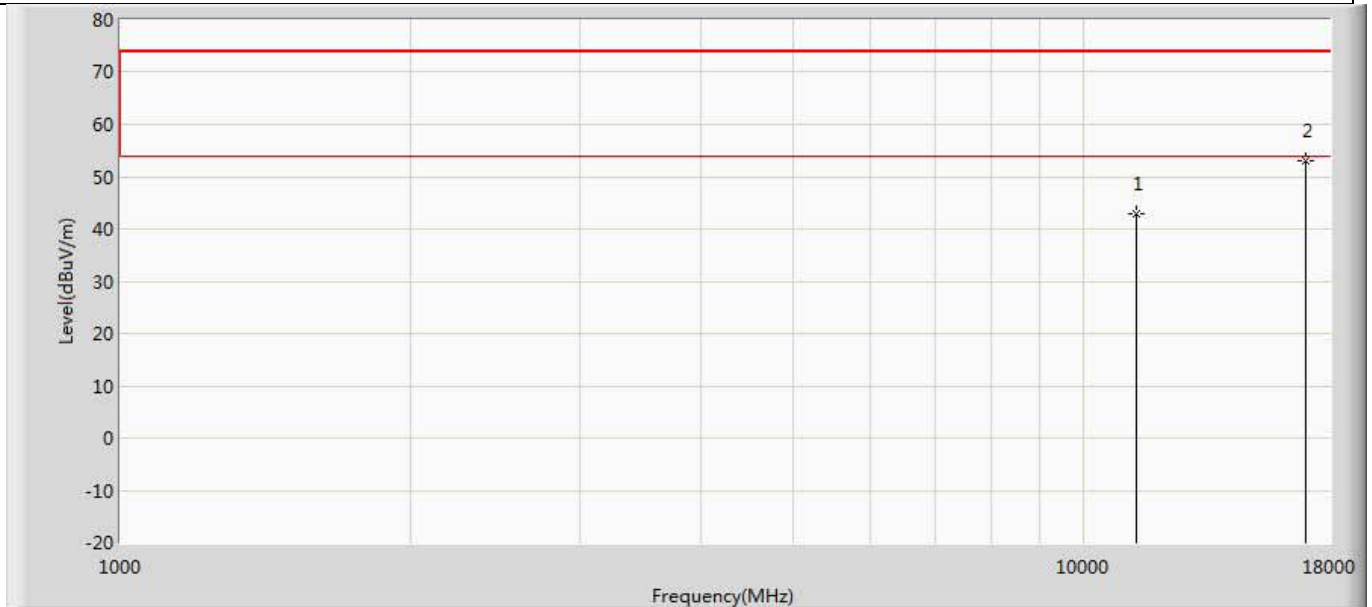
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11180.000	44.268	30.980	-29.732	74.000	13.287	PK
2	*	16770.000	51.471	32.627	-22.529	74.000	18.844	PK

Profile: 1962139R	Page No.: 319
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 01:02
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 5:Transmit at 5670MHz by 11ac40	



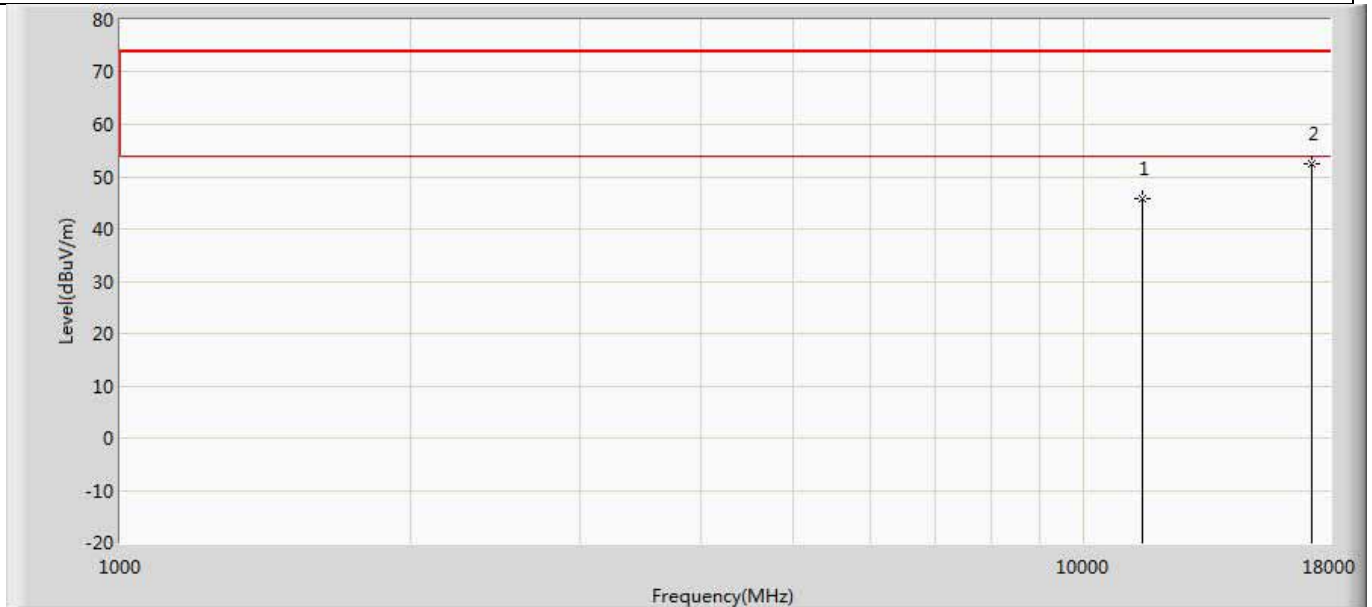
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11340.000	42.986	29.559	-31.014	74.000	13.427	PK
2	*	17010.000	53.149	32.931	-20.851	74.000	20.219	PK

Profile: 1962139R	Page No.: 320
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 01:02
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 5:Transmit at 5670MHz by 11ac40	



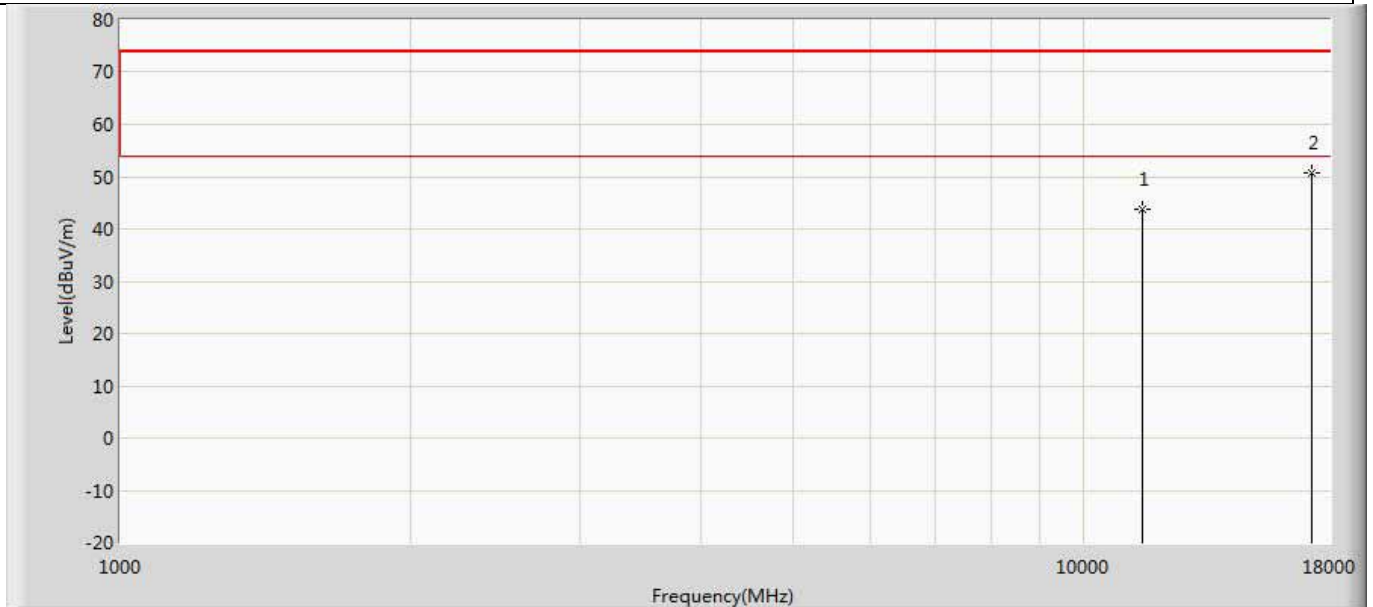
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11340.000	43.028	29.601	-30.972	74.000	13.427	PK
2	*	17010.000	53.006	32.788	-20.994	74.000	20.219	PK

Profile: 1962139R	Page No.: 321
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 01:02
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 5:Transmit at 5755MHz by 11ac40	



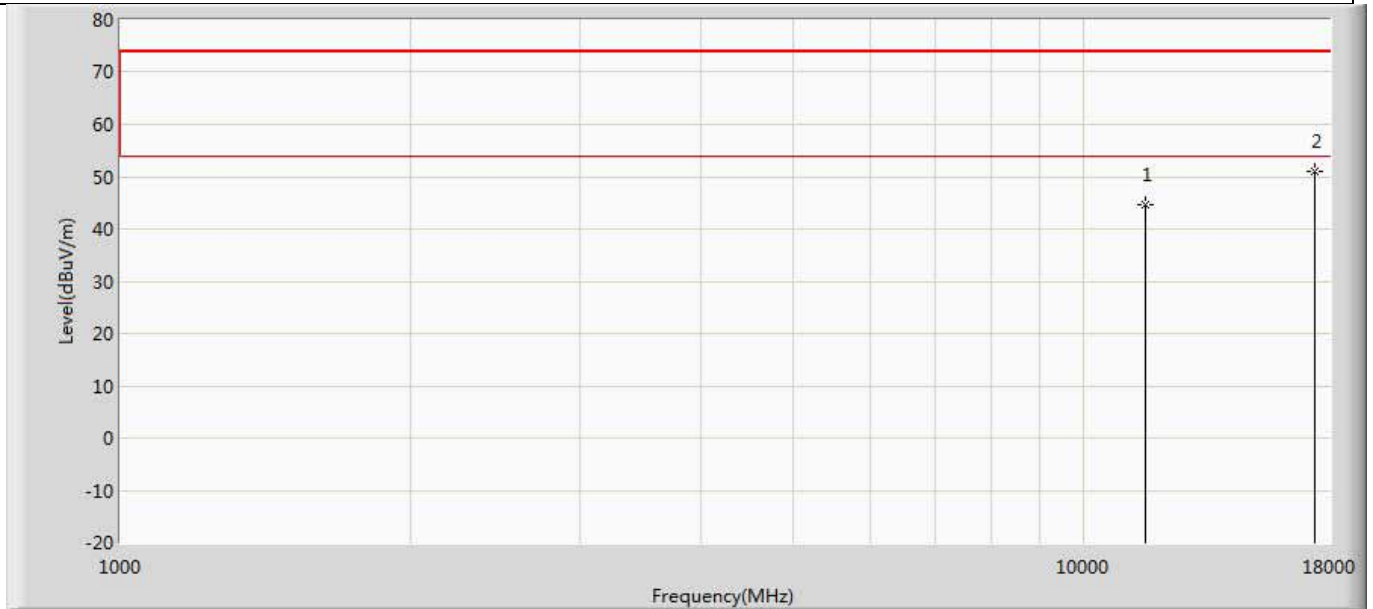
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11510.000	45.718	31.926	-28.282	74.000	13.792	PK
2	*	17265.000	52.415	31.933	-21.585	74.000	20.482	PK

Profile: 1962139R	Page No.: 322
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 01:02
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 5:Transmit at 5755MHz by 11ac40	



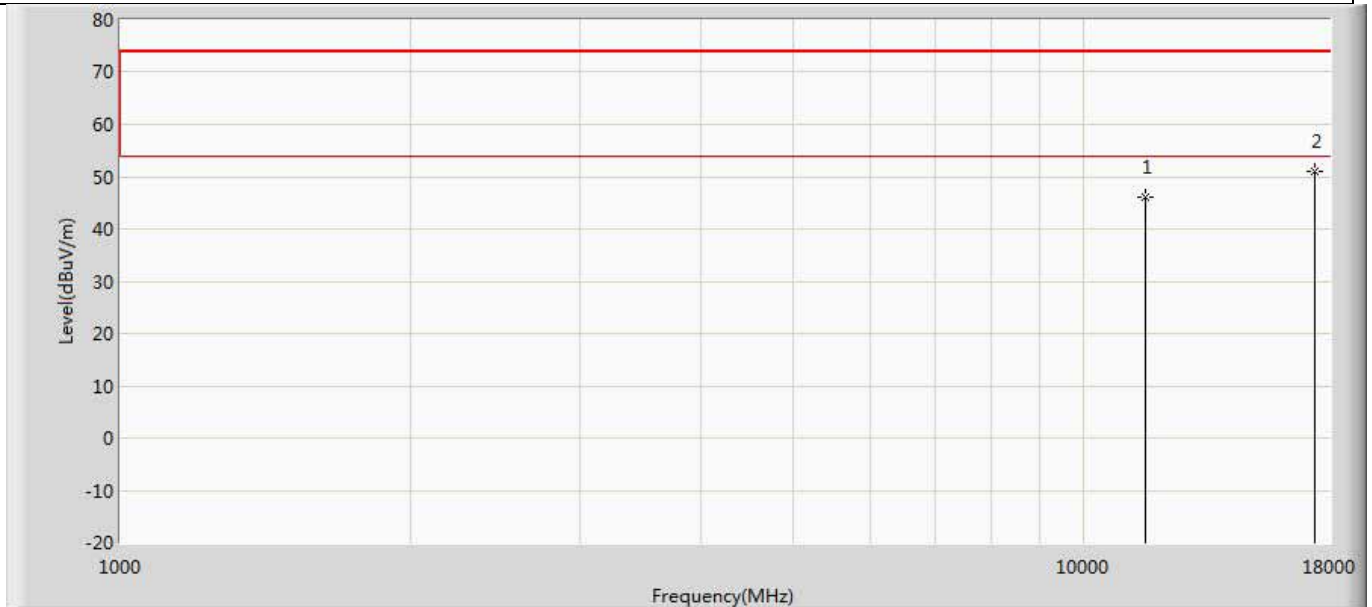
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11510.000	43.664	29.872	-30.336	74.000	13.792	PK
2	*	17265.000	50.835	30.353	-23.165	74.000	20.482	PK

Profile: 1962139R	Page No.: 323
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 01:02
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 5:Transmit at 5795MHz by 11ac40	



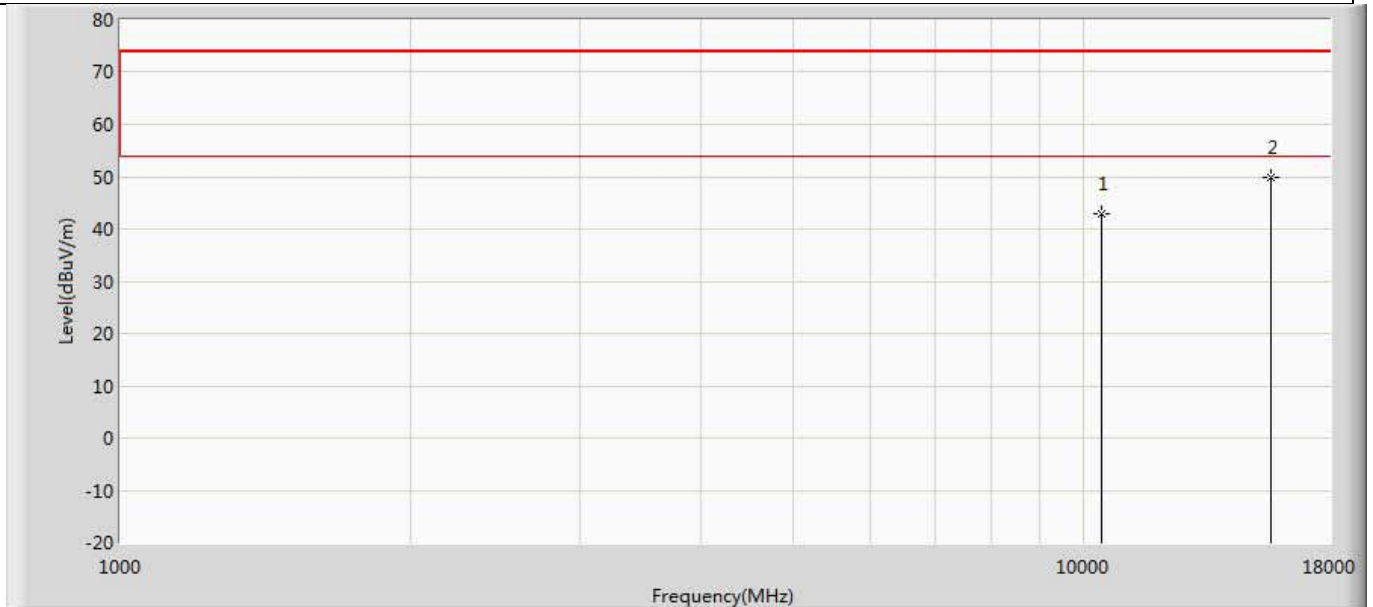
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11590.000	44.735	30.371	-29.265	74.000	14.363	PK
2	*	17385.000	51.004	31.350	-22.996	74.000	19.654	PK

Profile: 1962139R	Page No.: 324
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 01:02
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 5:Transmit at 5795MHz by 11ac40	



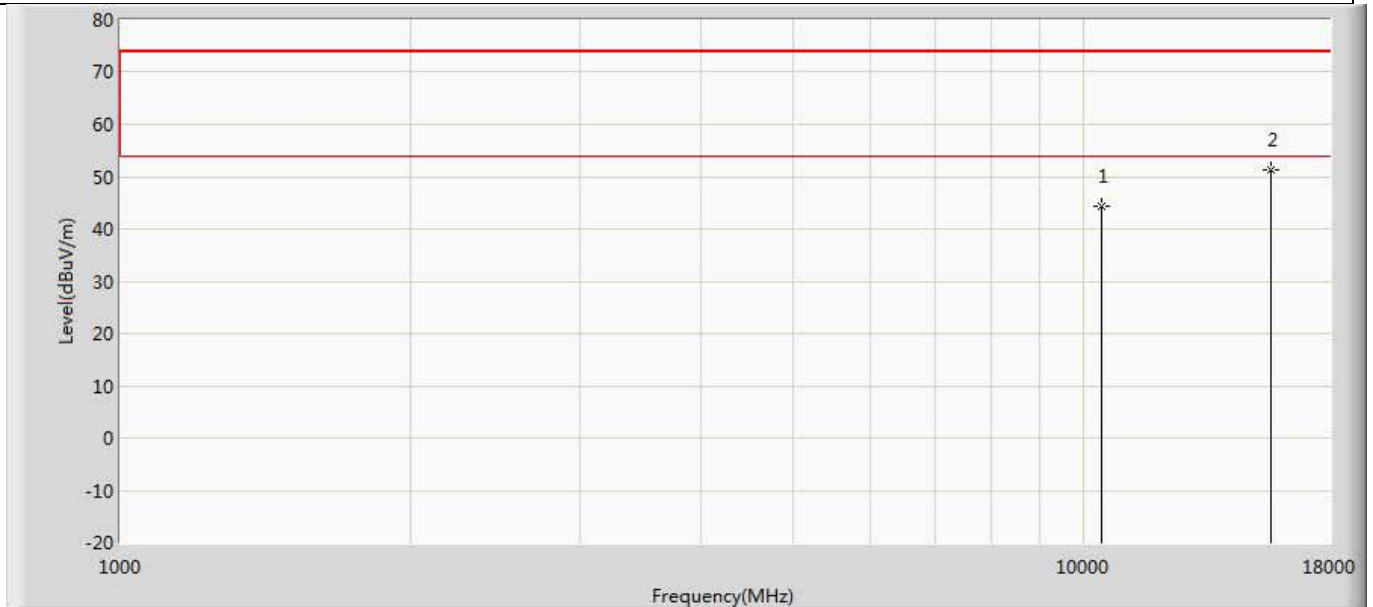
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11590.000	45.973	31.609	-28.027	74.000	14.363	PK
2	*	17385.000	51.040	31.386	-22.960	74.000	19.654	PK

Profile: 1962139R	Page No.: 325
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 01:02
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 6:Transmit at 5210MHz by 11ac80	



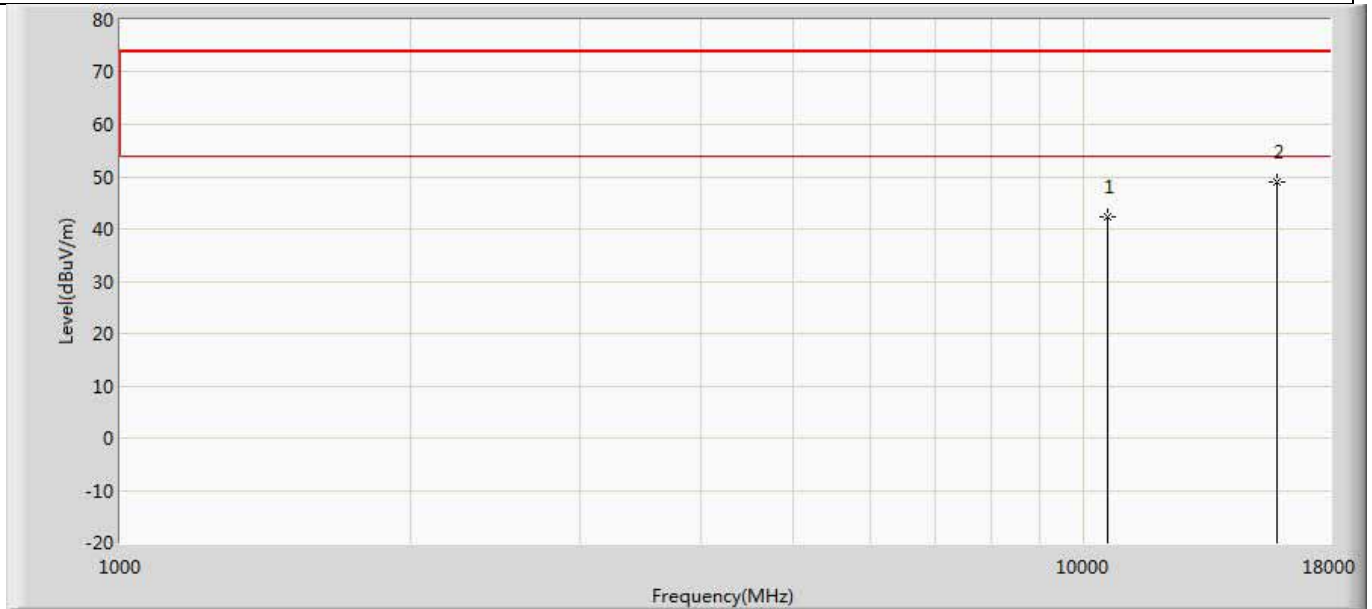
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10420.000	42.913	31.370	-31.087	74.000	11.544	PK
2	*	15630.000	49.950	32.145	-24.050	74.000	17.806	PK

Profile: 1962139R	Page No.: 326
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 01:03
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 6:Transmit at 5210MHz by 11ac80	



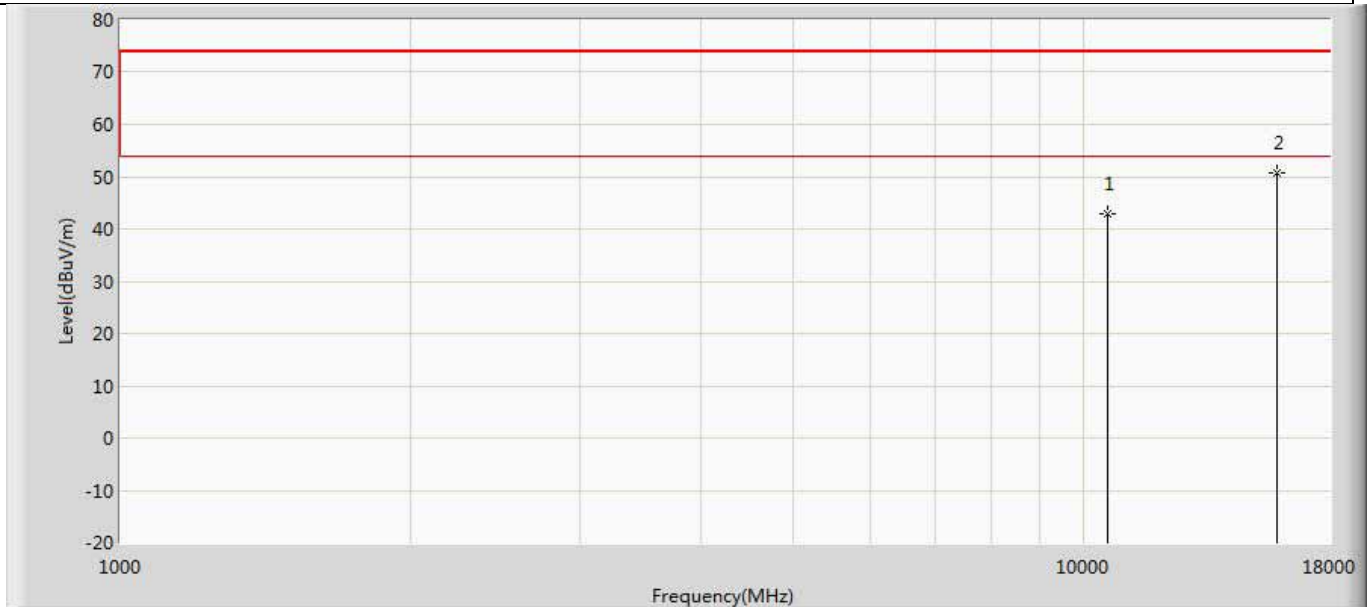
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10420.000	44.300	32.757	-29.700	74.000	11.544	PK
2	*	15630.000	51.368	33.563	-22.632	74.000	17.806	PK

Profile: 1962139R	Page No.: 327
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 01:03
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 6:Transmit at 5290MHz by 11ac80	



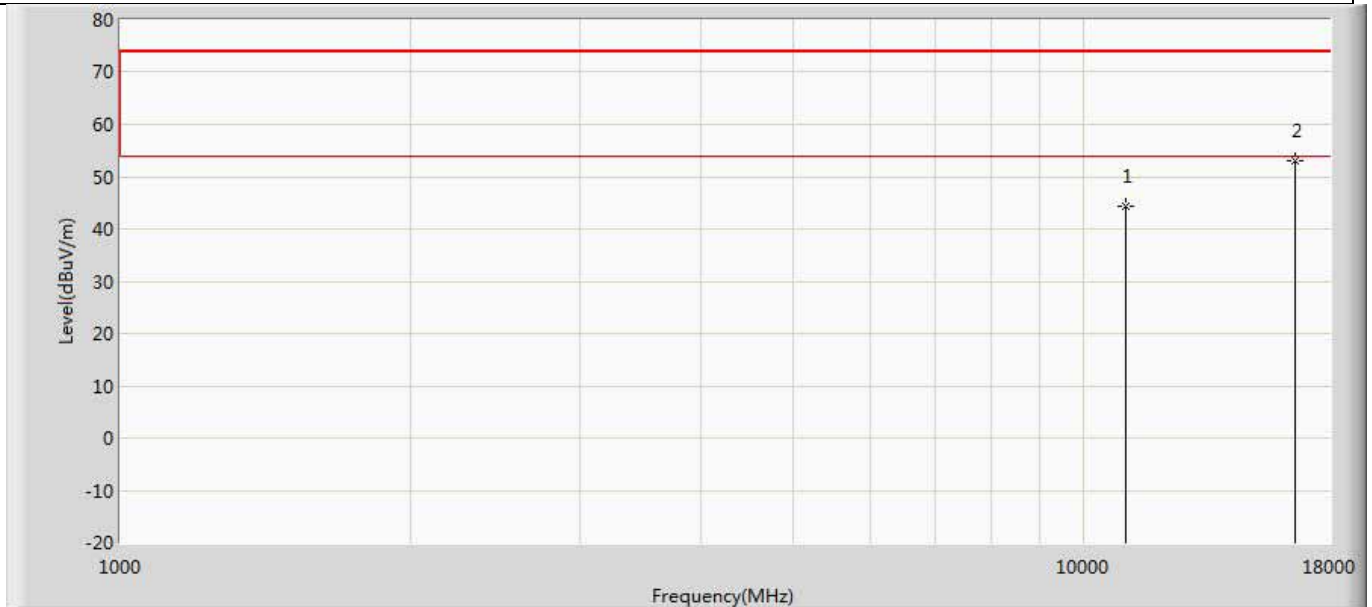
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10580.000	42.302	30.414	-31.698	74.000	11.888	PK
2	*	15870.000	49.107	31.139	-24.893	74.000	17.968	PK

Profile: 1962139R	Page No.: 328
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 01:03
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 6:Transmit at 5290MHz by 11ac80	



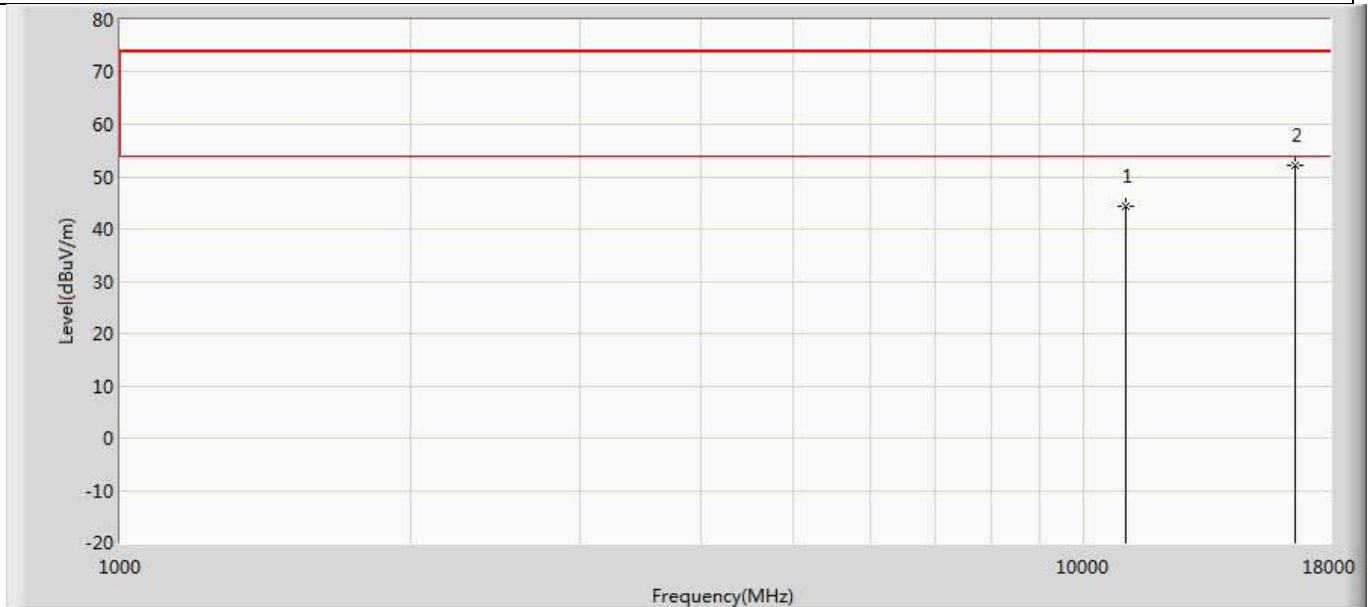
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10580.000	42.923	31.035	-31.077	74.000	11.888	PK
2	*	15870.000	50.719	32.751	-23.281	74.000	17.968	PK

Profile: 1962139R	Page No.: 329
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 01:03
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 6:Transmit at 5530MHz by 11ac80	



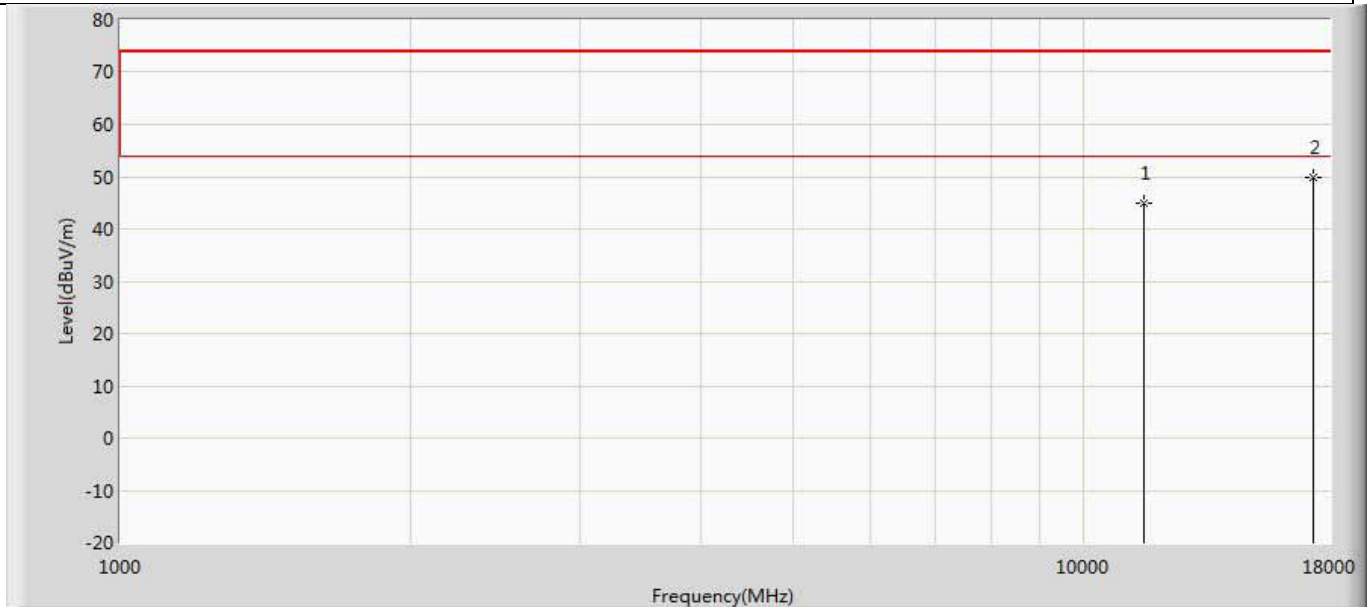
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11060.000	44.363	31.463	-29.637	74.000	12.900	PK
2	*	16590.000	53.143	34.362	-20.857	74.000	18.781	PK

Profile: 1962139R	Page No.: 330
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 01:03
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 6:Transmit at 5530MHz by 11ac80	



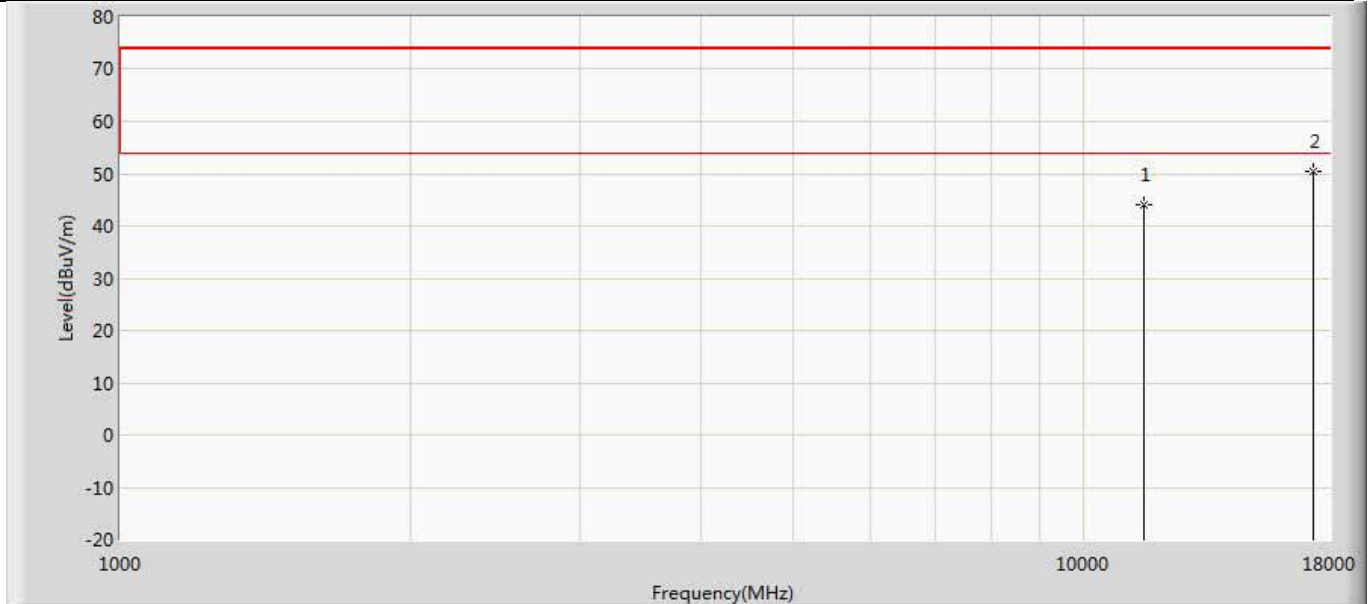
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11060.000	44.343	31.443	-29.657	74.000	12.900	PK
2	*	16590.000	52.163	33.382	-21.837	74.000	18.781	PK

Profile: 1962139R	Page No.: 331
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 01:03
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 6:Transmit at 5775MHz by 11ac80	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11550.000	44.935	31.215	-29.065	74.000	13.719	PK
2	*	17325.000	49.904	29.528	-24.096	74.000	20.375	PK

Profile: 1962139R	Page No.: 332
Engineer: YULIU	
Site: AC5	Time: 2019/06/29 - 01:03
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 6:Transmit at 5775MHz by 11ac80	

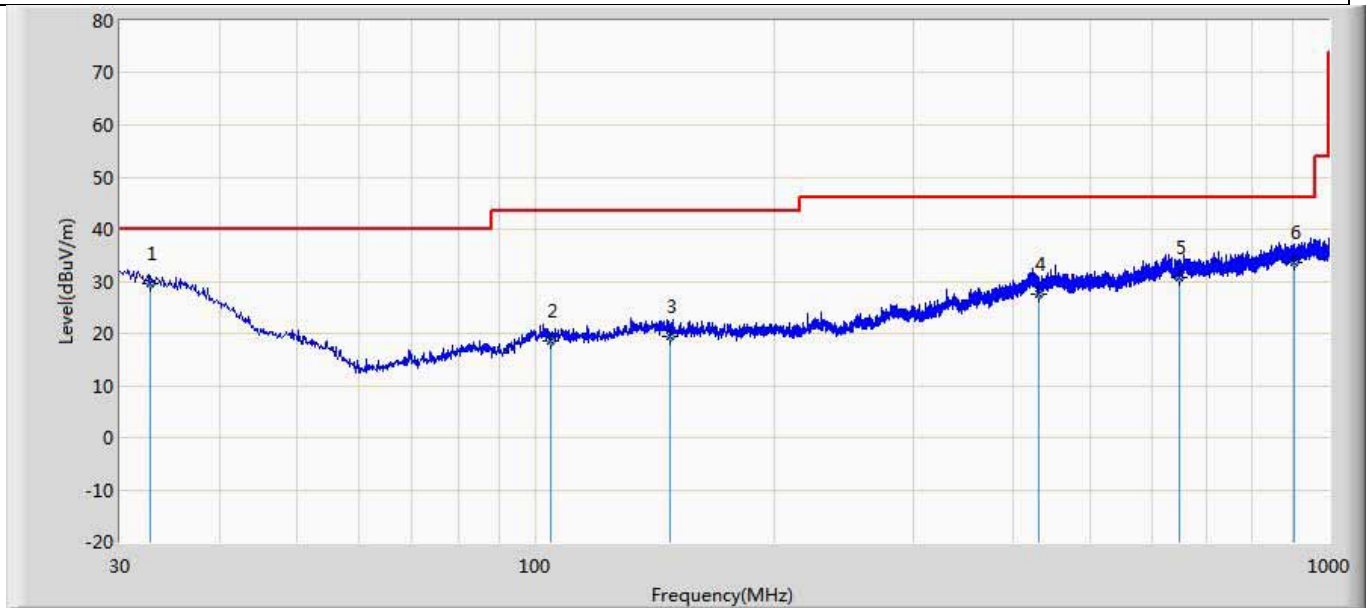


No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11550.000	44.199	30.479	-29.801	74.000	13.719	PK
2	*	17325.000	50.525	30.149	-23.475	74.000	20.375	PK

Remark	1. " * ", means this data is the worst emission level. 2. Measurement Level = Reading Level + Factor(Probe+Cable-Amp). 3. The test frequency range, 9kHz~30MHz, 18GHz~25GHz, both of the worst case are at least 6dB below the limits, therefore no data appear in the report. 4. 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. 5. The complete raw data please refer to Appendix RSE, Shown in the report is the worst data.
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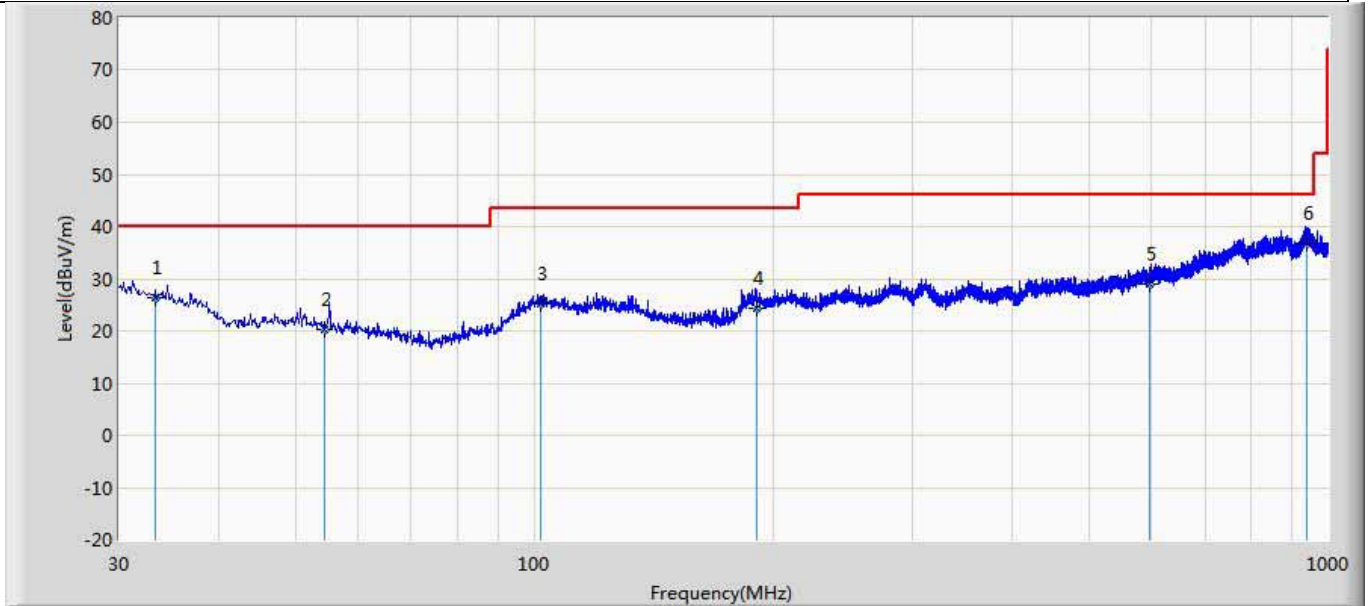
The worst case of Radiated Emission below 1GHz:

Engineer: Pawn	
Site: AC3	Time: 2019/06/25
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: AC3_3m (30-1000MHz)	Polarity: Horizontal
EUT: Barcode Scanner	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)	Type
1	*	32.789	29.573	3.100	-10.427	40.000	19.968	6.470	QP
2		104.811	18.499	2.300	-25.001	43.500	9.299	6.871	QP
3		148.098	19.406	2.000	-24.094	43.500	10.239	7.071	QP
4		430.367	27.509	0.800	-18.491	46.000	18.646	7.986	QP
5		648.981	30.733	2.000	-15.267	46.000	20.094	8.544	QP
6		904.576	33.737	1.600	-12.263	46.000	22.968	9.105	QP

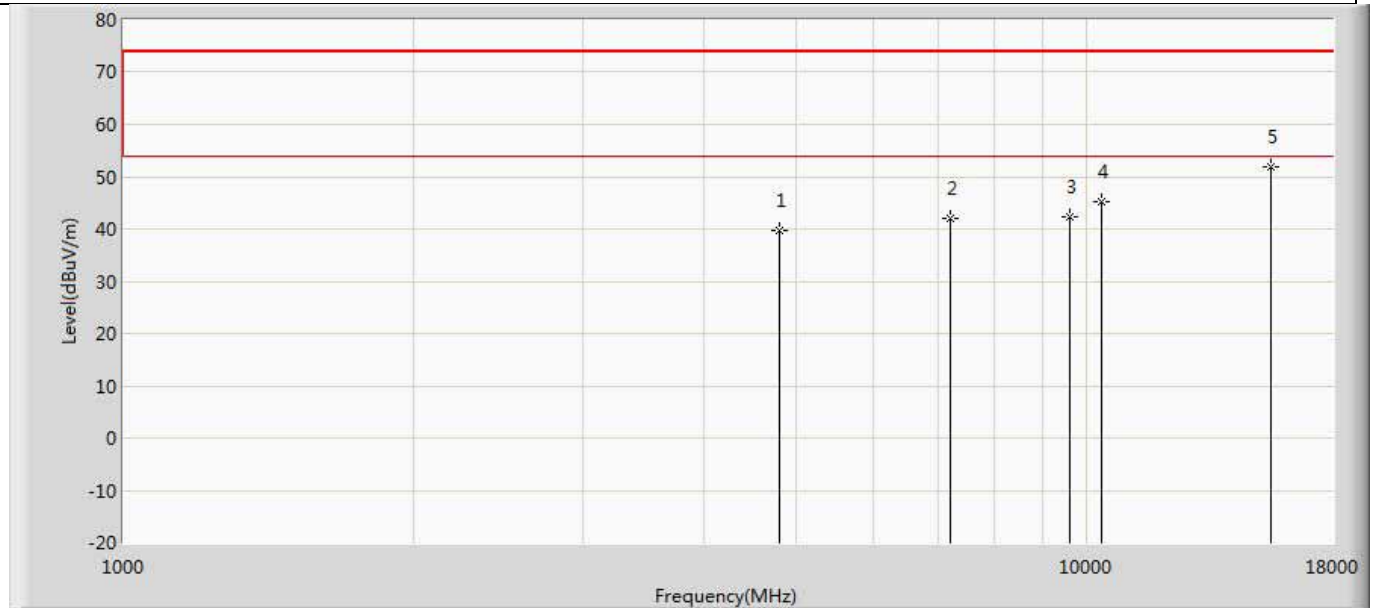
Engineer: Pawn	
Site: AC3	Time: 2019/06/25
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: AC3_3m (30-1000MHz)	Polarity: Vertical
EUT: Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 1	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Probe (dB/m)	Cable (dB)	Type
1		33.395	26.325	3.300	-13.675	40.000	16.533	6.475	QP
2		54.493	20.200	3.100	-19.800	40.000	10.430	6.620	QP
3		101.780	25.170	3.000	-18.330	43.500	15.236	6.866	QP
4		190.656	24.264	3.000	-19.236	43.500	14.014	7.249	QP
5		596.480	28.901	1.800	-17.099	46.000	18.678	8.420	QP
6	*	939.739	36.778	2.500	-9.222	46.000	25.039	9.182	QP

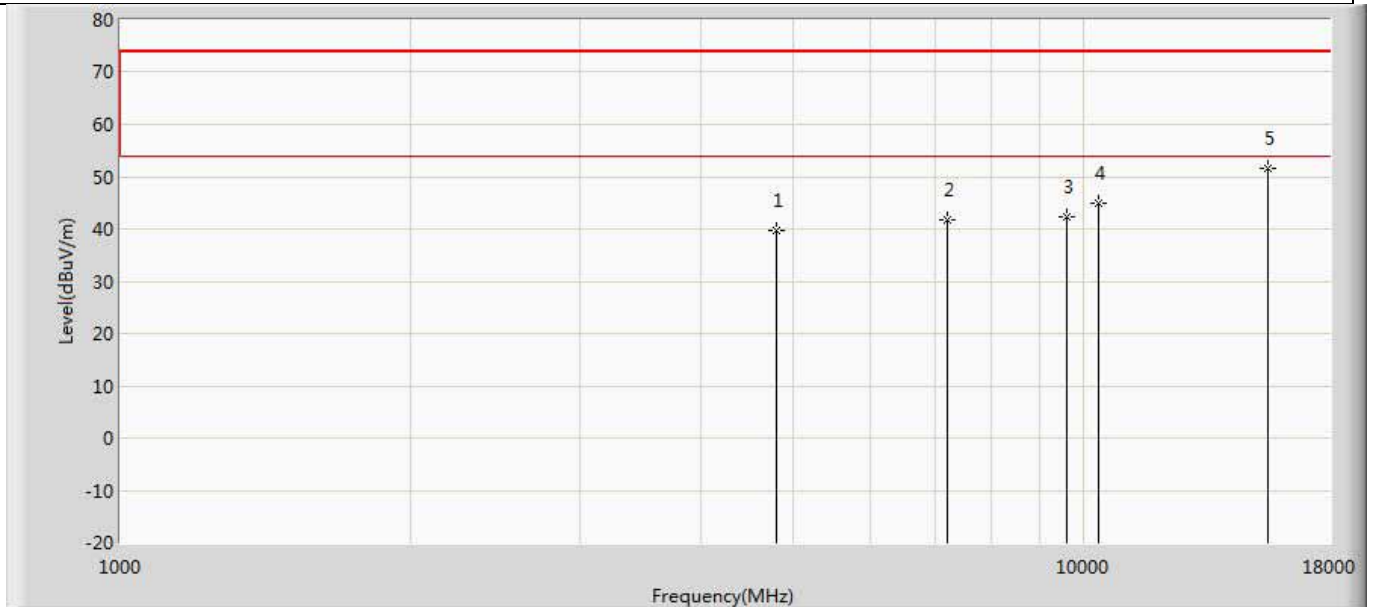
The worst case of Simultaneous Radiated Emission:

Profile: 1962139R	Page No.: 335
Engineer: Pawn	
Site: AC5	Time: 2019/07/03 - 10:59
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 8:Transmit at 2402MHz by BLE & 5180MHz by 802.11a	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4804.000	39.783	35.266	-34.217	74.000	4.517	PK
2		7206.000	42.115	34.568	-31.885	74.000	7.547	PK
3		9608.000	42.456	33.274	-31.544	74.000	9.182	PK
4		10360.000	45.158	33.589	-28.842	74.000	11.569	PK
5	*	15540.000	51.781	34.258	-22.219	74.000	17.523	PK

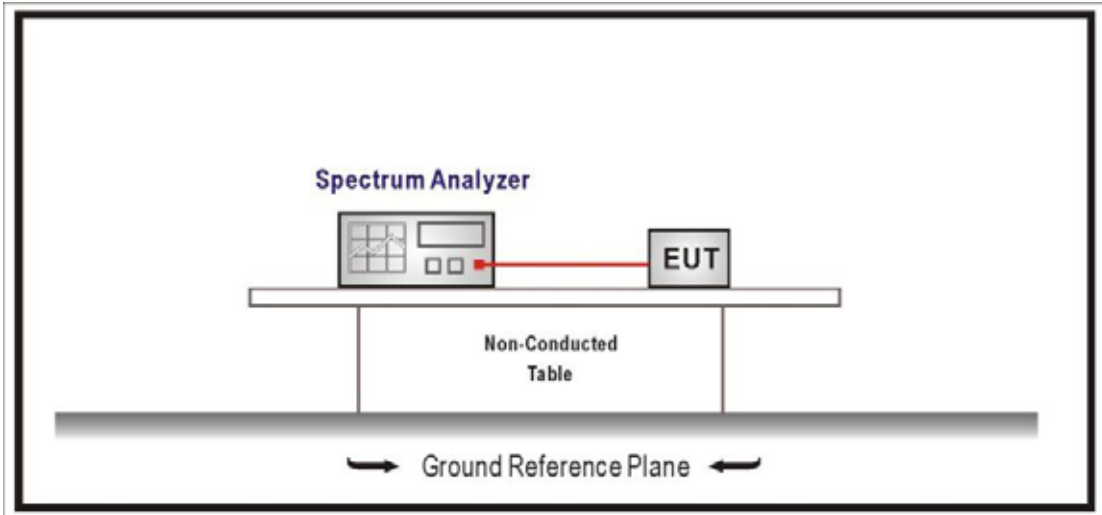
Profile: 1962139R	Page No.: 336
Engineer: Pawn	
Site: AC5	Time: 2019/07/03 - 12:03
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT:Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 8:Transmit at 2402MHz by BLE & 5180MHz by 802.11a	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4804.000	39.642	35.125	-34.358	74.000	4.517	PK
2		7206.000	41.878	34.331	-32.122	74.000	7.547	PK
3		9608.000	42.306	33.124	-31.694	74.000	9.182	PK
4		10360.000	45.010	33.441	-28.990	74.000	11.569	PK
5	*	15540.000	51.538	34.015	-22.462	74.000	17.523	PK

4.3 Duty cycle	VERDICT: PASS
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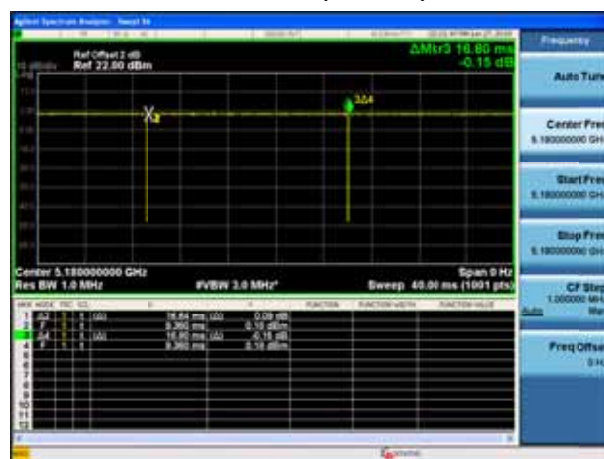
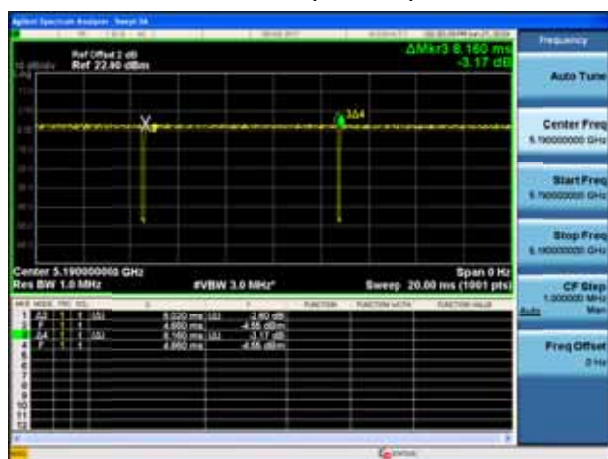
4.3.1 Limit
N/A

4.3.2 Test Setup


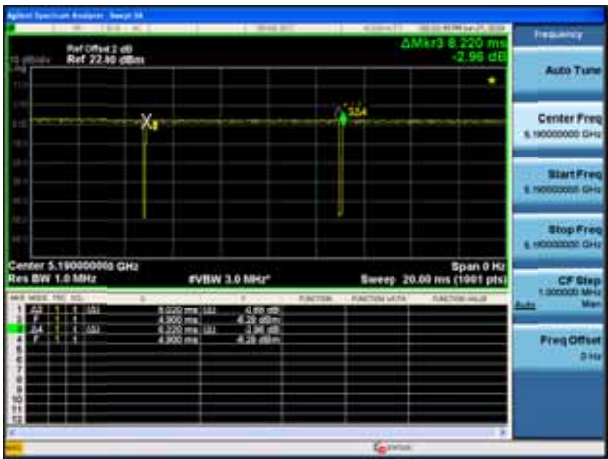
4.3.3 Test Procedure			
References Rule		Chapter	Description
☒	ANSI C63.10	11.6	Duty cycle (D), transmission duration (T), and maximum power control level

Test Mode	Tx On (ms)	Tx Off (ms)	VBW	Tx On + Tx Off (ms)	Duty Cycle
1	20.00	0.24	10Hz	20.24	98.81%
2	16.68	0.12	10Hz	16.80	99.29%
3	8.02	0.14	10Hz	8.16	98.28%
4	16.64	0.16	10Hz	16.80	99.05%
5	8.02	0.20	270Hz	8.22	97.57%
6	3.71	0.15	270Hz	3.86	96.11%

Note 2: According to ANSI C63.10, when test for Radiated Emission Band Edge and Radiated Emission, for average detector set: $VBW \geq 1/T$ will be used.



802.11ac(40MHz)



802.11ac(80MHz)

