



# Test Report

## FCC Part15 Subpart E

Product Name : Barcode Scanner

Model No. : 8680i

FCC ID : HD5-8680A

Applicant : HONEYWELL INTERNATIONAL INC  
Honeywell Safety and Productivity Solutions  
Address : 9680 OLD BAILES RD  
FORT MILL SC 29707-7539

Date of Receipt : Mar. 09, 2018

Test Date : Mar. 09, 2018~ Apr. 03, 2018

Issued Date : Apr. 04, 2018

Report No. : 1832060R-RF-US-P09V01

Report Version : V1.0

The test results relate only to the samples tested.

The test results shown in the test report are traceable to the national/international standard through the calibration of the equipment and evaluated measurement uncertainty herein.

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# Test Report Certification

Issued Date : Apr. 04, 2017  
Report No. : 1832060R-RF-US-P09V01



Product Name : Barcode Scanner  
 Applicant : HONEYWELL INTERNATIONAL INC  
 Honeywell Safety and Productivity Solutions  
 Address : 9680 OLD BAILES RD  
 FORT MILL SC 29707-7539  
 Manufacturer : 1、 HONEYWELL INTERNATIONAL INC  
 Honeywell Safety and Productivity Solutions  
 2、 Metro(Suzhou)Technologies Co.,Ltd  
 Address : 1、 9680 OLD BAILES RD  
 FORT MILL SC 29707-7539  
 2、 No.221 Xinghai street China-Singapore Suzhou Industrial  
 Park  
 Model No. : 8680i  
 FCC ID : HD5-8680A  
 EUT Voltage : DC 3.8V  
 Test Voltage : AC 120V/60Hz  
 Brand Name : Honeywell  
 Applicable Standard : FCC CFR Title 47 Part 15 Subpart E  
 ANSI C63.10:2013;  
 789033 D02 General UNII Test Procedures New Rules  
 v02r01  
 Test Result : Complied  
 Performed Location : DEKRA Testing and Certification (Suzhou) Co., Ltd.  
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 FCC Designation Number: CN1199;

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### History of This Test Report

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
1832060R-RF-US-P09V01	V1.0	Initial Issued Report	Apr. 04, 2018

## 1. General Information

### 1.1.EUT Description

Product Name	Barcode Scanner					
Brand Name	Honeywell					
Model No.	8680i					
EUT Voltage	DC 3.8V					
Type of Modulation	OFDM-BPSK, QPSK, 16QAM, 64QAM, 128QAM, 256QAM					
Data Rate	802.11a: 6/9/12/18/24/36/48/54Mbps					
	802.11n: up to 150Mbps					
	802.11ac: up to 433.3Mbps					
Channel Control	Auto					
Transmit modes	<input checked="" type="checkbox"/>	802.11a	<input checked="" type="checkbox"/>	802.11n(20MHz)	<input checked="" type="checkbox"/>	802.11n(40MHz)
	<input checked="" type="checkbox"/>	802.11ac(20MHz)	<input checked="" type="checkbox"/>	802.11ac(40MHz)	<input checked="" type="checkbox"/>	802.11ac(80MHz)
Support Bands	<input type="checkbox"/>	5150MHz~5250MHz	<input type="checkbox"/>	Outdoor AP		
	<input checked="" type="checkbox"/>		<input type="checkbox"/>	Indoor AP		
			<input type="checkbox"/>	Fixed point-to-point AP		
			<input checked="" type="checkbox"/>	Mobile and Portable Client		
	<input checked="" type="checkbox"/>	5250MHz~5350MHz				
	<input checked="" type="checkbox"/>	5470MHz~5725MHz	<input checked="" type="checkbox"/>	With TDWR Channels		
<input type="checkbox"/>			Without TDWR Channels			
<input checked="" type="checkbox"/>	5725MHz~5850MHz					

**1.2. Antenna information**

Antenna Model No.	N/A				
Antenna Manufacturer	N/A				
Antenna Delivery	<input checked="" type="checkbox"/> 1*TX+1*RX	<input type="checkbox"/> 2*TX+2*RX	<input type="checkbox"/> 3*TX+3*RX		
Antenna Technology	<input checked="" type="checkbox"/> SISO				
	<input type="checkbox"/> MIMO	<input type="checkbox"/> Basic methodology			
		<input type="checkbox"/> Sectorized antenna systems			
		<input type="checkbox"/> Cross-polarized antennas			
		<input type="checkbox"/> Unequal antenna gains, with equal transmit powers			
		<input type="checkbox"/> Spatial Multiplexing			
	<input type="checkbox"/> Cyclic Delay Diversity (CDD)				
Antenna Type	PIFA Antenna				
Antenna Gain					
Antenna Technology	Ant Gain (dBi)				
<input checked="" type="checkbox"/> SISO	2.7				

**1.3. Working Frequency of Each Channel:**

802.11a/n/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	5260MHz	56	5280 MHz	60	5300 MHz	64	5320 MHz
100	5500MHz	104	5520 MHz	108	5540 MHz	112	5550 MHz
116	5580MHz	120	5600MHz	124	5620MHz	128	5640MHz
132	5660 MHz	136	5680 MHz	140	5700 MHz	149	5745 MHz
153	5765 MHz	157	5785 MHz	161	5805 MHz	165	5825MHz
802.11n/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
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





**1.4. Mode of Operation**

DEKRA Testing and Certification (Suzhou) Co., Ltd. has verified the construction and function in typical operation. All the test modes were carried out with the EUT in normal operation, which was shown in this test report and defined as:

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)

Note 1: Regards to the frequency band operation: the lowest, middle and highest frequency of channel were selected to perform the test, then shown on this report.

Note 2: For portable device, radiated tests was verified over X, Y, Z axis, and shown the worst case on this report.

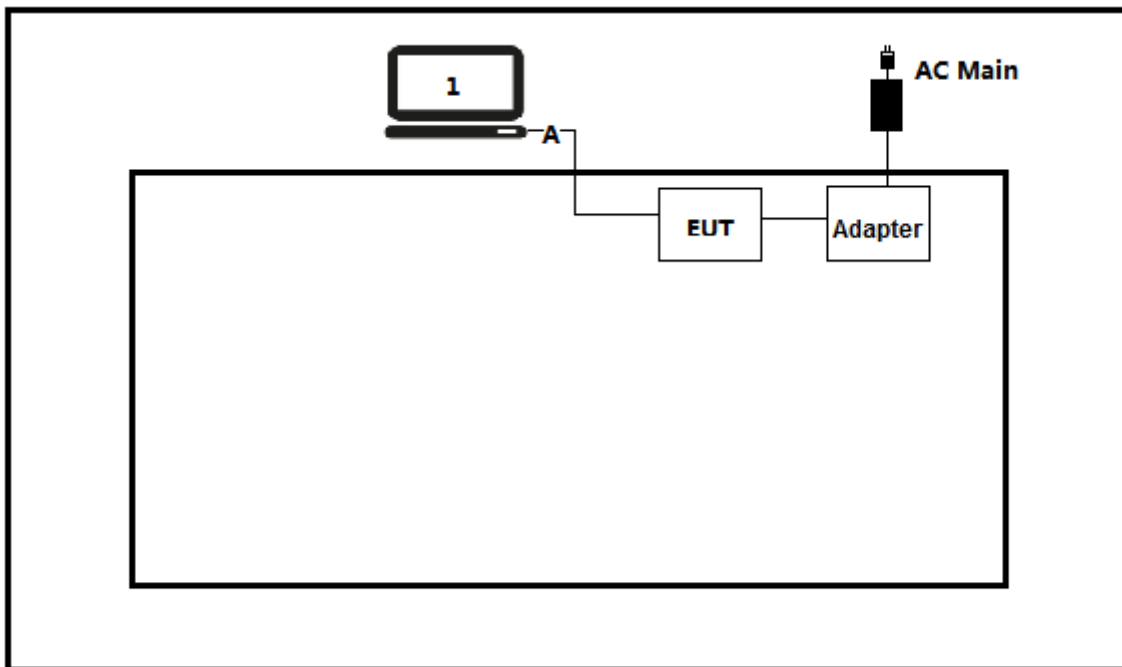
### 1.5. Tested System Details

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

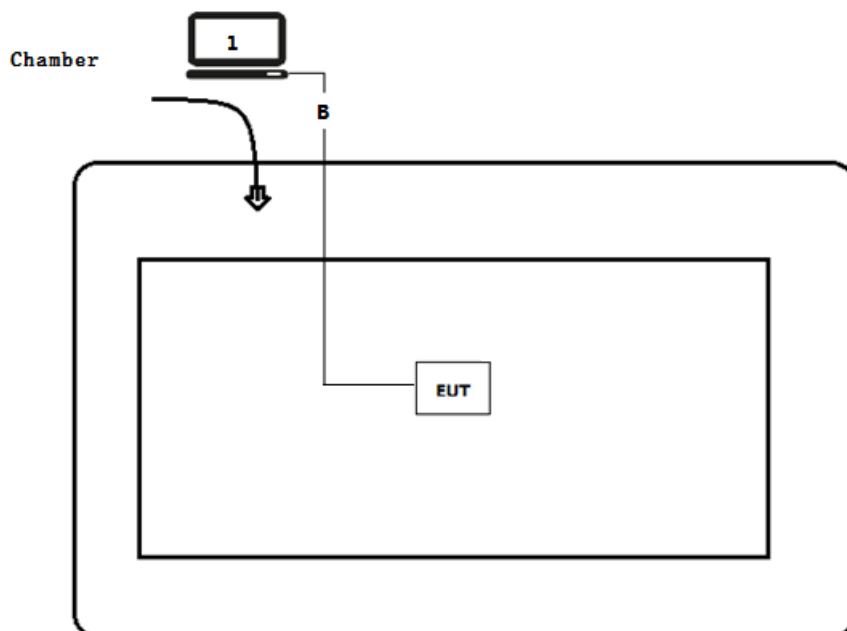
Product		Manufacturer	Model No.	Serial No.	Power Cord
1	Notebook	Lenovo	Think pad x220	SUA0600195	Non-shielded
A	USB cable	N/A	N/A	N/A	Shielded, 0.5m
B	USB cable	N/A	N/A	N/A	Shielded, 10m

### 1.6. Configuration of Tested System

Test setup Diagram- AC Line Conducted Emission Test



Test setup Diagram- Radiated Emission



### 1.7. EUT Exercise Software

1	Setup the EUT and simulators as shown on above.
2	Turn on the power of equipment.
3	Input RF commands, and set the test mode and channel, then press OK to start to continue transmit.

## 2. Technical Test

### 2.1. Summary of Test Result

- No deviations from the test standards
- Deviations from the test standards as below description:

Performed Test Item	Normative References	Limit	Result
Conducted Emission	FCC CFR Title 47 Part 15 Subpart E: 2015 Section 15.207	FCC 15.207	PASS
Radiated Emission	FCC CFR Title 47 Part 15 Subpart E: 2015 Section 15.209	FCC 15.209	PASS
Emission bandwidth and occupied bandwidth	FCC CFR Title 47 Part 15 Subpart E: 2015 Section 15.407(a)	FCC 15.407(e)	PASS
6dB Emission Bandwidth	FCC CFR Title 47 Part 15 Subpart E: 2015 Section 15.407(a)	FCC 15.407(e)	PASS
Power Output	FCC CFR Title 47 Part 15 Subpart E: 2015 Section 15.407(a)	FCC 15.407(a)	PASS
Peak Power Spectral Density	FCC CFR Title 47 Part 15 Subpart E: 2015 Section 15.407(a)	FCC 15.407(a)	PASS
Radiated Emission Band Edge	FCC CFR Title 47 Part 15 Subpart E: 2015 Section 15.205, 15.407(b)	FCC 15.407(b)	PASS
Frequency Stability	FCC CFR Title 47 Part 15 Subpart E: 2015 Section 15.407(g)	± 20ppm	PASS

### 2.2. Test Frequency configuration:

Modulation Mode	Channel	Frequency	Channel	Frequency	Channel	Frequency
802.11a/n(20MHz)/ac(20MHz)	36	5180MHz	44	5220MHz	48	5240MHz
	52	5260MHz	60	5300MHz	64	5320MHz
	100	5500MHz	116	5580MHz	132	5700MHz
	149	5745MHz	157	5785MHz	165	5825MHz
802.11n(40MHz)/ac(40MHz)	38	5190MHz	46	5230MHz	54	5270MHz
	62	5310MHz	102	5510MHz	110	5550MHz
	134	5670MHz	151	5755MHz	159	5795MHz
802.11ac(80MHz)	42	5210MHz	58	5290MHz	106	5530MHz
	155	5775MHz	N/A	N/A	N/A	N/A

### 2.3. Power Parameter Value of the test software

Test Mode	Frequency	Power Setting
		Ant 1
802.11a	5180	16
	5200	18
	5220	18
	5240	18
	5260	16
	5300	16
	5320	15
	5500	16
	5520	18
	5580	18
	5680	18
	5700	14
	5745	18
	5785	18
5825	18	
802.11n(20MHz)	5180	16
	5200	18
	5220	18
	5240	18
	5260	16
	5300	16
	5320	16
	5500	16
	5520	18
	5580	18
	5680	18
	5700	15
	5745	18
	5785	18
5825	18	
802.11n(40MHz)	5190	15
	5230	16
	5270	15

	5310	13
	5510	13
	5550	16
	5670	15
	5755	16
	5795	16
802.11ac(20MHz)	5180	16
	5200	18
	5220	18
	5240	18
	5260	16
	5300	16
	5320	16
	5500	16
	5520	18
	5580	18
	5680	18
	5700	15
	5745	18
	5785	18
5825	18	
802.11ac(40MHz)	5190	15
	5230	16
	5270	15
	5310	13
	5510	13
	5550	16
	5670	15
	5755	16
	5795	16
802.11ac(80MHz)	5210	11
	5290	11
	5530	11
	5775	14



## 2.4. Power vs 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 Streams (Note1)	MCS Index	Modulation type	Coding 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.

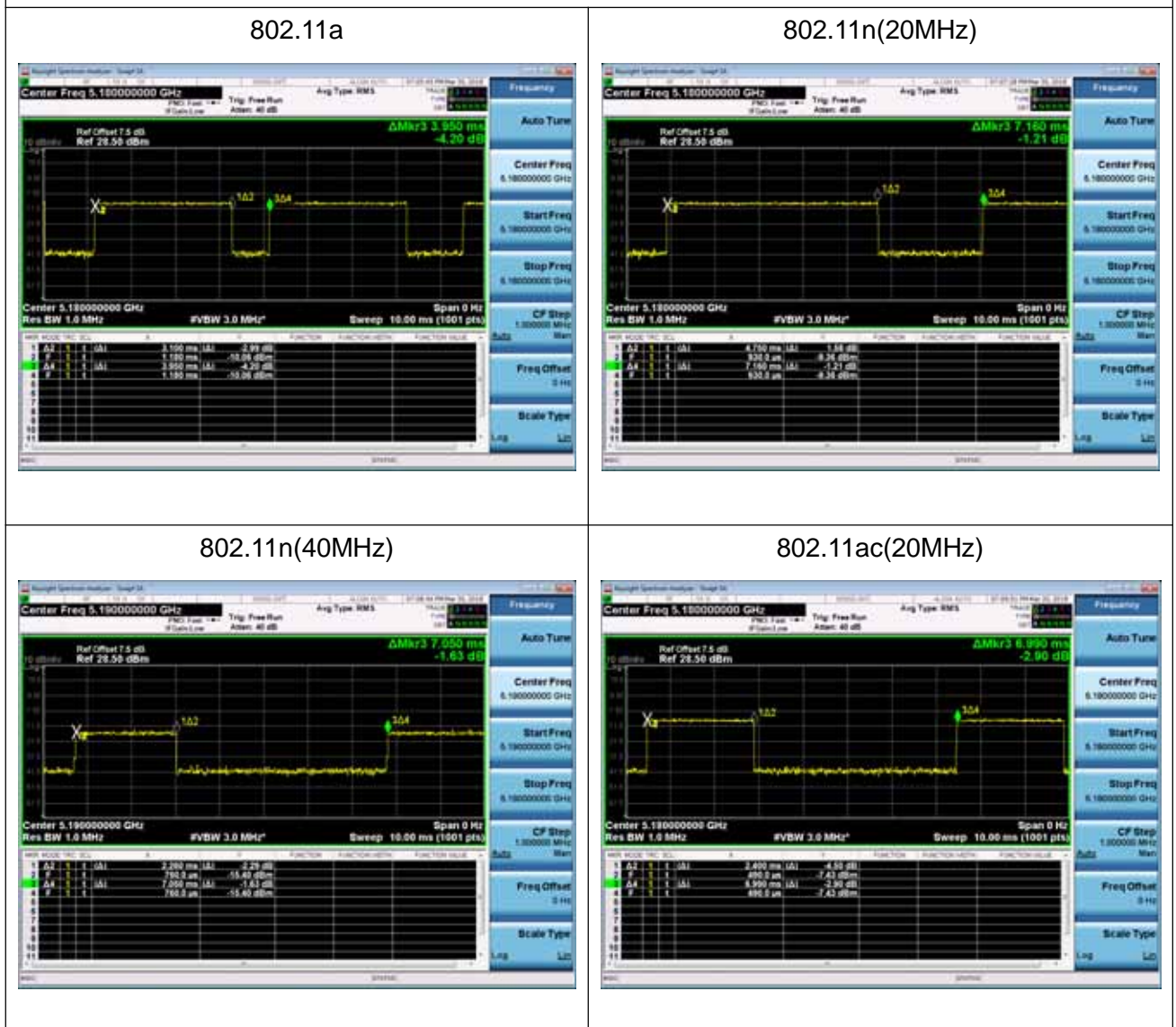
2: The EUT supports two spatial streams.

## 2.5. Duty Cycle

Test Mode	Tx On (ms)	Tx Off (ms)	VBW	Tx On + Tx Off (ms)	Duty Cycle
802.11a	3.10	0.80	400Hz	3.90	79.49%
802.11 n(20MHz)	4.75	2.41	210Hz	7.16	66.34%
802.11n(40MHz)	2.26	4.79	510Hz	7.05	32.06%
802.11ac(20MHz)	2.40	4.59	510Hz	6.99	34.33%
802.11ac(40MHz)	1.14	5.96	1000Hz	7.10	16.06%
802.11ac(80MHz)	0.53	1.00	2000Hz	1.53	34.64%

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

Note 2: According to KDB 789033 , when test for Radiated Emission Band Edge and Radiated Emission, VBW = 1/T will be used.



802.11ac(40MHz)



802.11ac(80MHz)



## 2.6. Test Environment

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

## 2.7. Uncertainty

Test Items	Uncertainty
AC Power Line Conducted Emission	$\pm 2.02\text{dB}$
Radiated Emission	Below 1GHz $\pm 3.8\text{ dB}$
	Above 1GHz $\pm 3.9\text{ dB}$
RF Antenna Port Conducted Emission	$\pm 1.27\text{dB}$
Radiated Emission Band Edge	$\pm 3.9\text{dB}$
Occupied Bandwidth	$\pm 1\text{kHz}$
Power Spectral Density	$\pm 1.27\text{dB}$
Frequency Stability	$\pm 100\text{ Hz}$

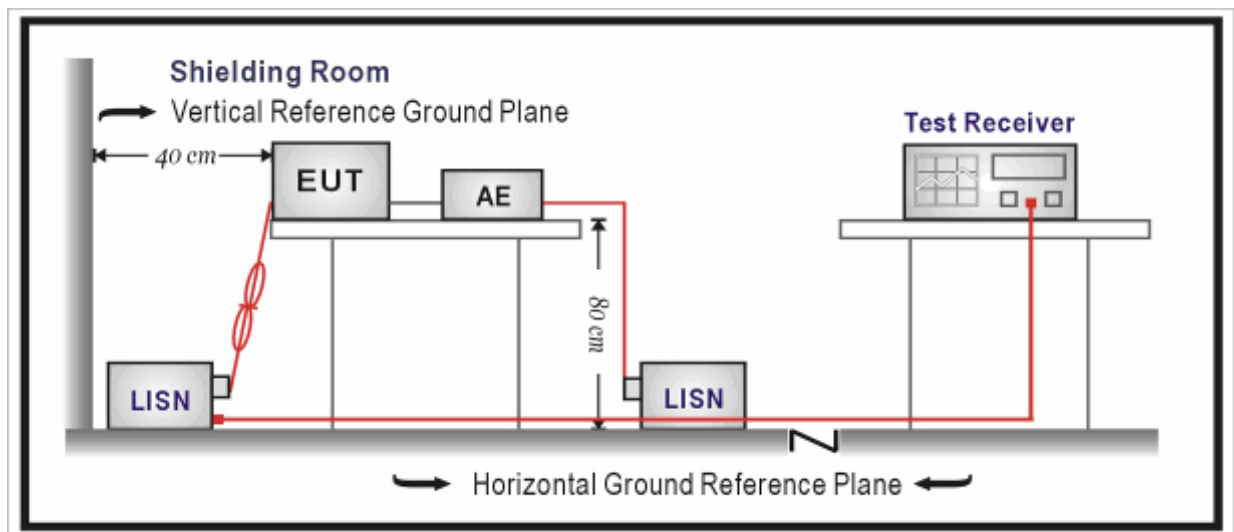
### 3. Conducted Emission

#### 3.1. Test Equipment

Conducted Emission / TR-1					
Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Cal. Due Date
EMI Test Receiver	R&S	ESCI	100906	2018.03.05	2019.03.04
Two-Line V-Network	R&S	ENV 216	101189	2017.06.16	2018.06.15
Two-Line V-Network	R&S	ENV 216	101044	2017.09.16	2018.09.15
50ohm Coaxial Switch	Anritsu	MP59B	6200464462	N/A	N/A
50ohm Termination	SHX	TF2	07081402	2017.09.16	2018.09.15
Temperature/Humidity Meter	Zhichen	ZC1-2	TR1-TH	2018.01.05	2019.01.04

Note: All equipment are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

#### 3.2. Test Setup



### 3.3. Limit

Frequency (MHz)	QP (dB $\mu$ V)	AV (dB $\mu$ V)
0.15 - 0.50	66 – 56	56 – 46
0.50 - 5.0	56	46
5.0 - 30	60	50

Note 1: The lower limit shall apply at the transition frequencies.

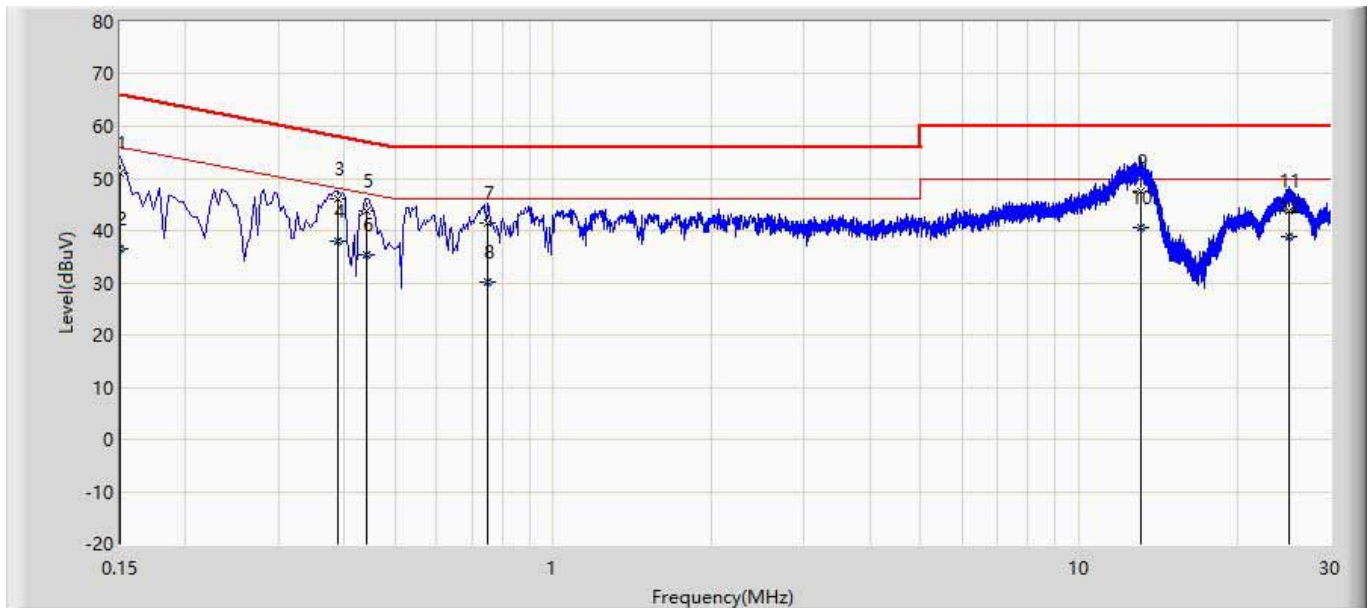
Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.

### 3.4. Test Procedure

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

### 3.5. Test Result

Engineer: Pawn	
Site: TR1	Time: 2018/03/25
Limit: FCC_Part15.207_CE_AC Power	Margin: 0
Probe: ENV216_101044(0.009-30MHz)	Polarity: Line
EUT: Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 1: Transmit at 2412MHz by 802.11b	



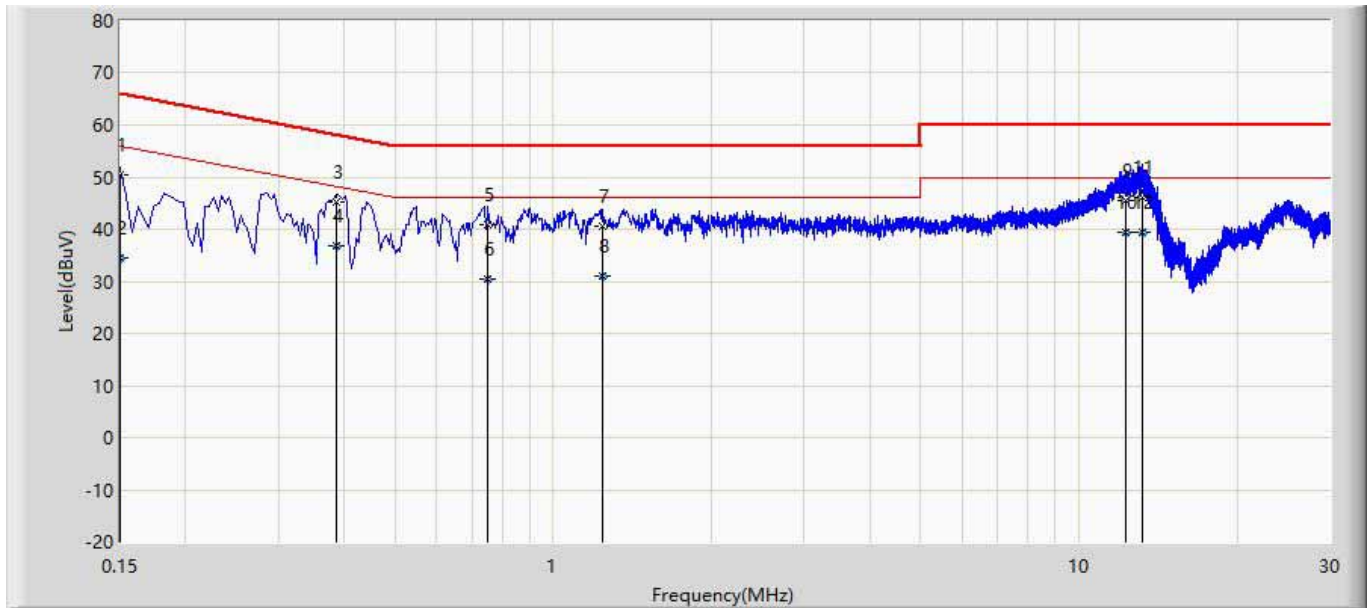
No	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Probe (dB)	Cable (dB)	Amp (dB)	Type
1		0.150	51.114	31.614	-14.886	66.000	9.600	9.900	0.000	QP
2		0.150	36.507	17.007	-19.493	56.000	9.600	9.900	0.000	AV
3		0.390	46.000	26.526	-12.064	58.064	9.590	9.884	0.000	QP
4		0.390	38.058	18.584	-10.006	48.064	9.590	9.884	0.000	AV
5		0.442	43.783	24.312	-13.241	57.024	9.590	9.881	0.000	QP
6		0.442	35.317	15.846	-11.707	47.024	9.590	9.881	0.000	AV
7		0.750	41.395	21.904	-14.605	56.000	9.592	9.900	0.000	QP
8		0.750	30.046	10.555	-15.954	46.000	9.592	9.900	0.000	AV
9		13.122	47.510	27.697	-12.490	60.000	9.646	10.167	0.000	QP
10	*	13.122	40.592	20.779	-9.408	50.000	9.646	10.167	0.000	AV
11		25.090	43.686	23.753	-16.314	60.000	9.594	10.339	0.000	QP
12		25.090	38.820	18.887	-11.180	50.000	9.594	10.339	0.000	AV

Note1: " \* ", means this data is the worst emission level.

2. Measurement Level = Reading Level + Factor(Probe+Cable-Amp).



Engineer: Pawn	
Site: TR1	Time: 2018/03/25
Limit: FCC_Part15.207_CE_AC Power	Margin: 0
Probe: ENV216_101044(0.009-30MHz)	Polarity: Neutral
EUT: Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 1: Transmit at 2412MHz by 802.11b	



No	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Probe (dB)	Cable (dB)	Amp (dB)	Type
1		0.150	50.568	31.088	-15.432	66.000	9.580	9.900	0.000	QP
2		0.150	34.454	14.974	-21.546	56.000	9.580	9.900	0.000	AV
3		0.386	45.220	25.763	-12.930	58.149	9.577	9.880	0.000	QP
4		0.386	36.726	17.269	-11.423	48.149	9.577	9.880	0.000	AV
5		0.750	40.977	21.473	-15.023	56.000	9.605	9.900	0.000	QP
6		0.750	30.290	10.785	-15.710	46.000	9.605	9.900	0.000	AV
7		1.238	40.703	21.177	-15.297	56.000	9.582	9.944	0.000	QP
8		1.238	31.108	11.583	-14.892	46.000	9.582	9.944	0.000	AV
9		12.242	45.478	25.680	-14.522	60.000	9.644	10.154	0.000	QP
10	*	12.242	39.551	19.753	-10.449	50.000	9.644	10.154	0.000	AV
11		13.194	46.206	26.391	-13.794	60.000	9.646	10.169	0.000	QP
12		13.194	39.279	19.464	-10.721	50.000	9.646	10.169	0.000	AV

**Note:**

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

## 4. Radiated Emission

### 4.1. Test Equipment

Radiated Emission(Below 1GHz) / AC-2					
Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Cal. Due Date
EMI Test Receiver	R&S	ESCI	100573	2018.03.29	2019.03.28
Loop Antenna	R&S	HFH2-Z2	833799/003	2017.11.16	2018.11.15
Bilog Antenna	Teseq GmbH	CBL6112D	27611	2017.10.16	2018.10.15
Coaxial Cable	Huber+Suhner	SUCOFLEX 106	AC2-C	2018.03.02	2019.03.01
Temperature/Humidity Meter	Zhichen	ZC1-2	AC2-TH	2018.01.04	2019.01.03

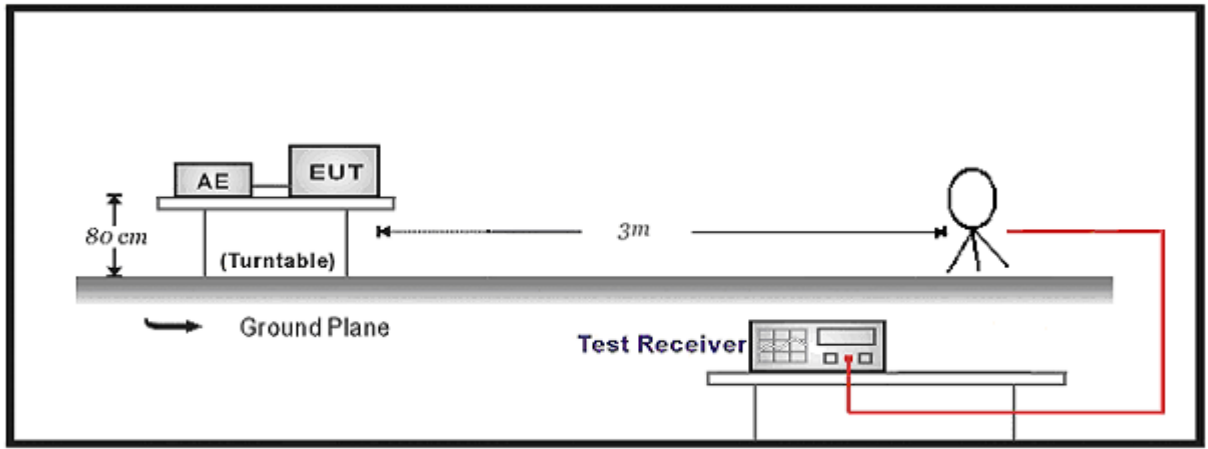
Note: All equipment are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

Radiated Emission(Above 1GHz) / AC-5					
Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Cal. Due Date
Spectrum Analyzer	Agilent	E4446A	MY45300103	2018.01.04	2019.01.03
Preamplifier	Miteq	NSP1800-25	1364185	2017.05.06	2018.05.05
Preamplifier	QuieTek	AP-040G	CHM-0906001	2017.05.06	2018.05.05
DRG Horn	ETS-Lindgren	3117	00123988	2018.01.22	2019.01.21
Broad-Band Horn Antenna	Schwarzbeck	BBHA9170	294	2017.11.25	2018.11.24
Coaxial Cable	Huber+Suhner	SUCOFLEX 106	AC5-C1	2018.03.02	2019.03.01
Coaxial Cable	Huber+Suhner	SUCOFLEX 106	AC5-C2	2018.03.02	2019.03.01
Coaxial Cable	Huber+Suhner	SUCOFLEX 102	AC5-C3	2018.03.02	2019.03.01
EMI Receiver	Agilent	N9038A	MY51210196	2017.06.10	2018.06.09
Temperature/Humidity Meter	Zhichen	ZC1-2	AC5-TH	2018.01.04	2019.01.03

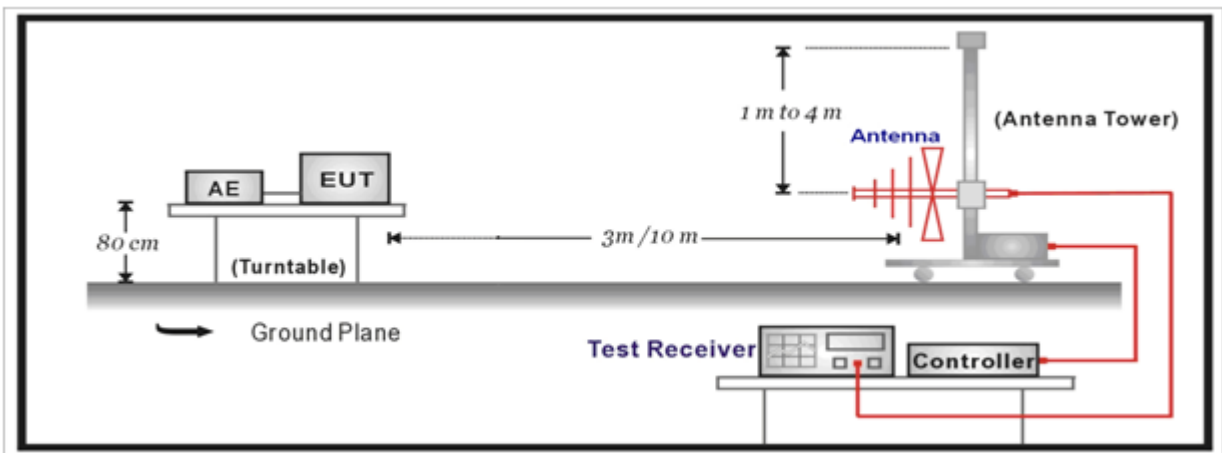
Note: All equipment are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

### 4.2. Test Setup

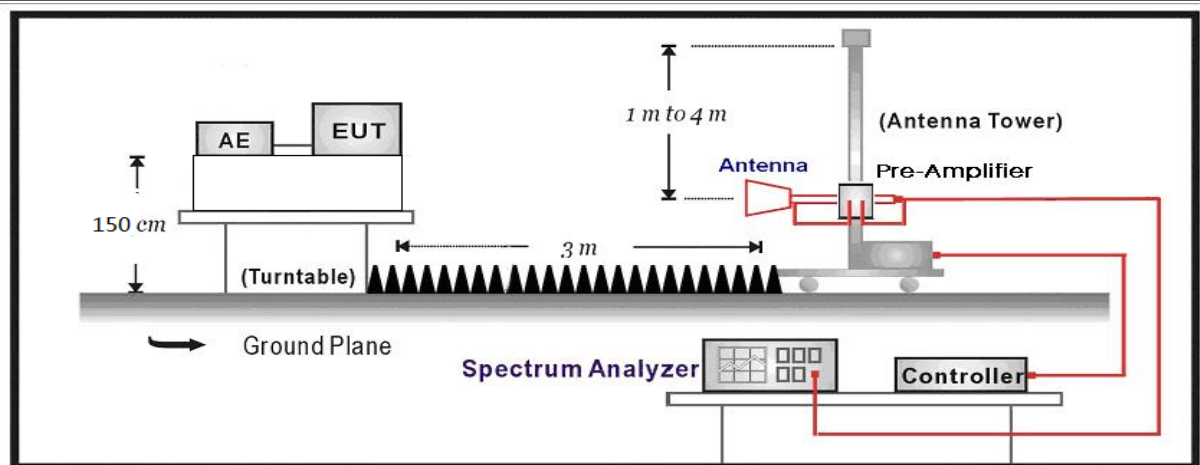
Below 30MHz Test Setup:



30MHz-1GHz Test Setup:



Above 1GHz Test Setup:



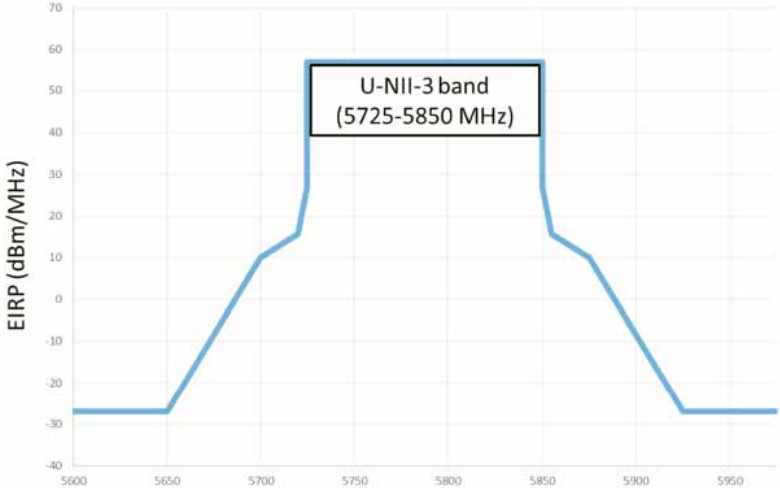
**4.3. Limit**

<b>FCC Part 15 Subpart C Paragraph 15.209 (Restricted Band Emissions Limit)</b>		
Frequency (MHz)	Distance (m)	Level (dB $\mu$ V/m)
0.009-0.490	300	2400/F(kHz)
0.490-1.705	30	24000/F(kHz)
1.705-30.0	30	30
30-88	3	100**
88-216	3	150**
216-960	3	200**
Above 960	3	500

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).

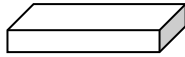
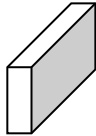
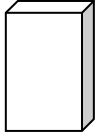
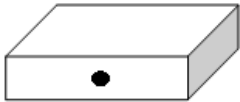


<b>FCC Part 15 Subpart C Paragraph 15.205 (Restricted Band)</b>			
Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (GHz)
0.090 – 0.110	16.42 – 16.423	399.9 – 410	4.5 – 5.15
0.495 – 0.505	16.69475 – 16.69525	608 – 614	5.35 – 5.46
2.1735 – 2.1905	16.80425 – 16.80475	960 – 1240	7.25 – 7.75
4.125 – 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			

FCC Part 15 Subpart C Paragraph 15.407(5)(b) (Unrestricted Band Emissions Limit)		
Operating Frequency Band (MHz)	EIRP Limit (dBm/MHz)	Equivalent Field Strength at 3m (dB $\mu$ 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	 <p>U-NII-3 band (5725-5850 MHz)</p>	

#### 4.4. Test Procedure

Test Method			
	References Rule	Chapter	Description
<input type="checkbox"/>	ANSI C63.10	12.7.3	Emissions in non-restricted frequency bands
<input checked="" type="checkbox"/>	ANSI C63.10	12.7.2	Emissions in restricted frequency bands
	<input checked="" type="checkbox"/> ANSI C63.10	12.7.5	Radiated emission measurements
	<input checked="" type="checkbox"/> ANSI C63.10	12.7.6	Procedure for peak unwanted emissions measurements above 1000 MHz
	<input checked="" type="checkbox"/> ANSI C63.10	12.7.7	Procedures for average unwanted emissions measurements above 1000 MHz
	<input type="checkbox"/> ANSI C63.10	12.7.7.2	Method AD (average detection)—primary method
	<input checked="" type="checkbox"/> ANSI C63.10	12.7.7.3	Method VB-A (Alternative)
	<input checked="" type="checkbox"/> ANSI C63.10	6.4	Radiated emissions from unlicensed wireless devices below 30 MHz
	<input checked="" type="checkbox"/> ANSI C63.10	6.5	Radiated emissions from unlicensed wireless devices in the frequency range of 30 MHz to 1000 MHz
	<input checked="" type="checkbox"/> ANSI C63.10	6.6	Radiated emissions from unlicensed wireless devices above 1 GHz
<input type="checkbox"/>	FCC KDB 789033 D02v01r04	G.2	Unwanted Emissions that fall Outside of the Restricted Bands
<input type="checkbox"/>	FCC KDB 789033 D02v01r04	G.1	Unwanted Emissions in the Restricted Bands
	<input type="checkbox"/> FCC KDB 789033 D02v01r04	G.4	Procedure for Unwanted Emissions Measurements below 1000 MHz
	<input type="checkbox"/> FCC KDB 789033 D02v01r04	G.5	Procedure for Unwanted Maximum Emissions Measurements above 1000 MHz
	<input type="checkbox"/> FCC KDB 789033 D02v01r04	G.6	Procedures for Average Unwanted Emissions Measurements above 1000 MHz
	<input type="checkbox"/> FCC KDB 789033 D02v01r04	G.6.c	Method AD (Average detection)—primary method
	<input type="checkbox"/> FCC KDB 789033 D02v01r04	G.6.d	Method VB (Averaging using reduced video bandwidth): Alternative method.

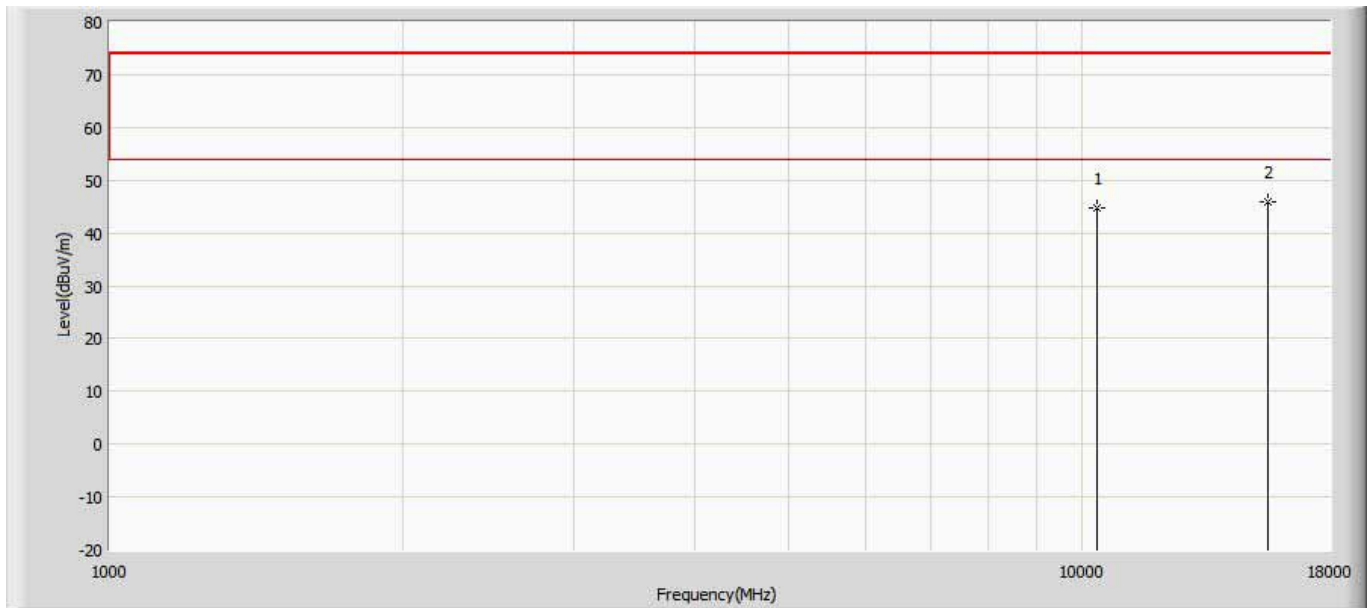
**4.5. EUT test Axis definition**

Item	Radiated Emission			
Device Category	<input type="checkbox"/>	Indoor use		
	<input type="checkbox"/>	Outdoor use		
	<input type="checkbox"/>	Fix position use		
	<input checked="" type="checkbox"/>	Client use		
Test mode	Mode 1-6			
Test method	<input checked="" type="checkbox"/>	Radiated		
		X Axis	Y Axis	Z Axis
				
		Worst Axis <input checked="" type="checkbox"/>	Worst Axis <input type="checkbox"/>	Worst Axis <input type="checkbox"/>
	<input type="checkbox"/>	Conducted		
	<input type="checkbox"/>	Chain 1		
				
	<input type="checkbox"/>	Chain 1	Chain 2	
				
	<input type="checkbox"/>	Chain 1	Chain 2	Chain 3
				



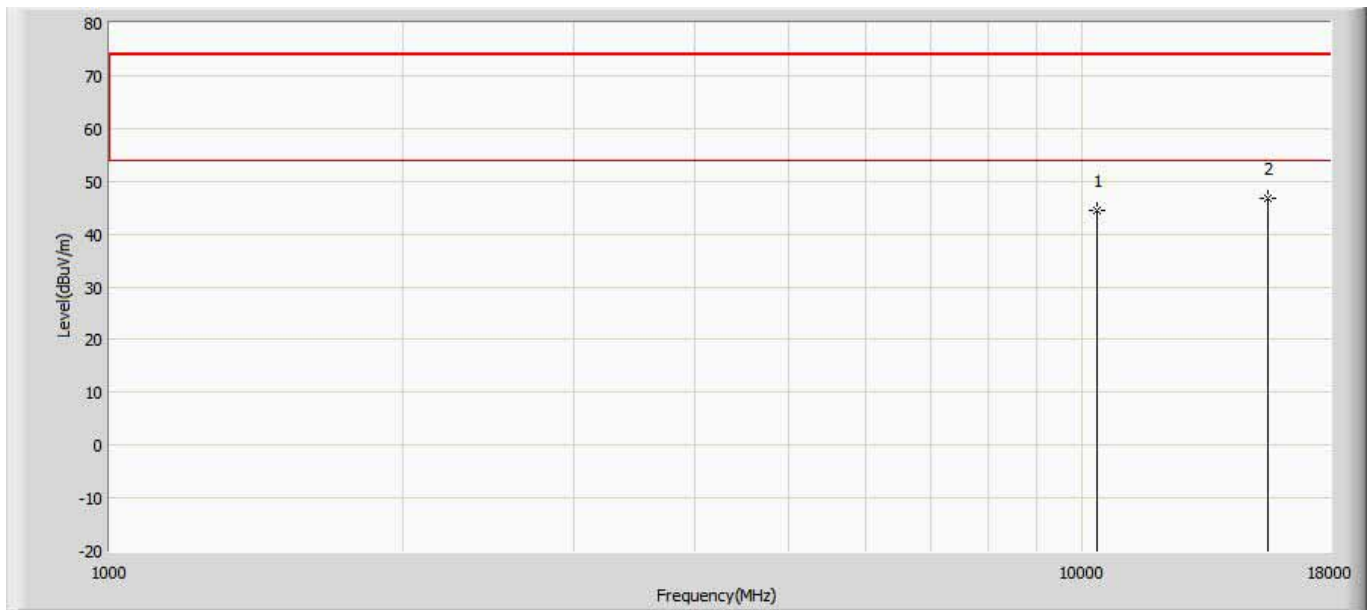
### 4.6. Test Result

Profile: Honeywell	Page No.: 213
Engineer: Blank	
Site: AC5	Time: 2018/04/02 - 11:27
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 802.11A	



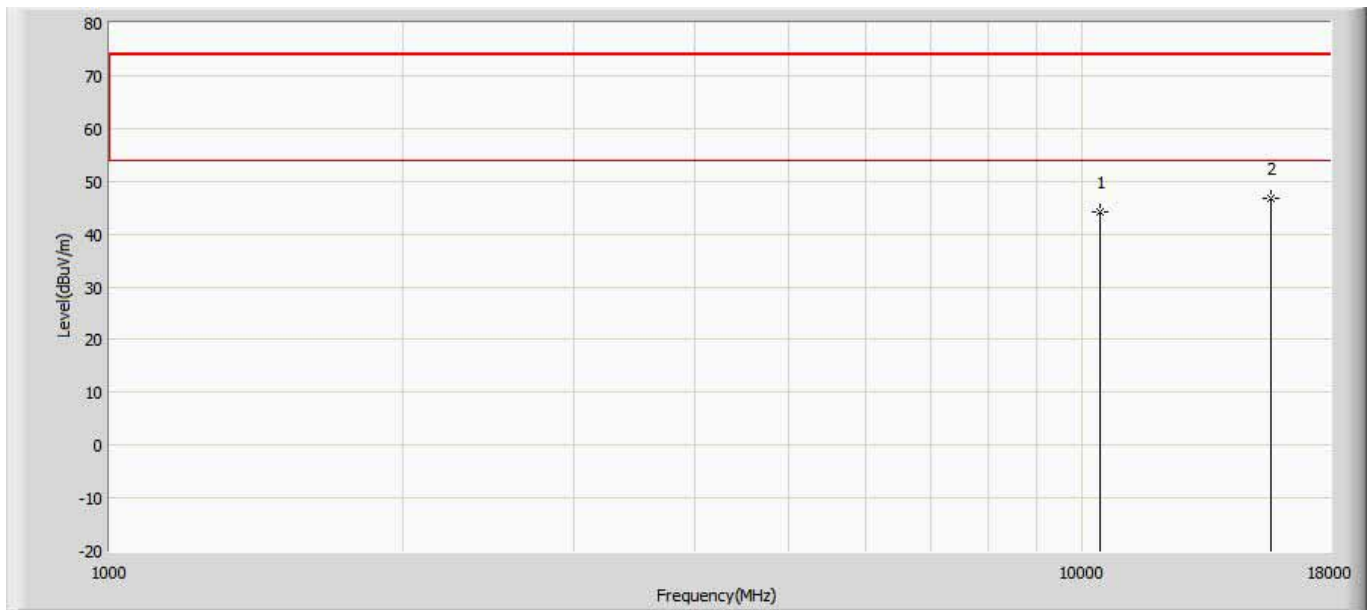
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10360.000	44.655	38.243	-29.345	74.000	6.412	PK
2	*	15540.000	45.878	35.993	-28.122	74.000	9.885	PK

Profile: Honeywell	Page No.: 214
Engineer: Blank	
Site: AC5	Time: 2018/04/02 - 11:27
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 802.11A	



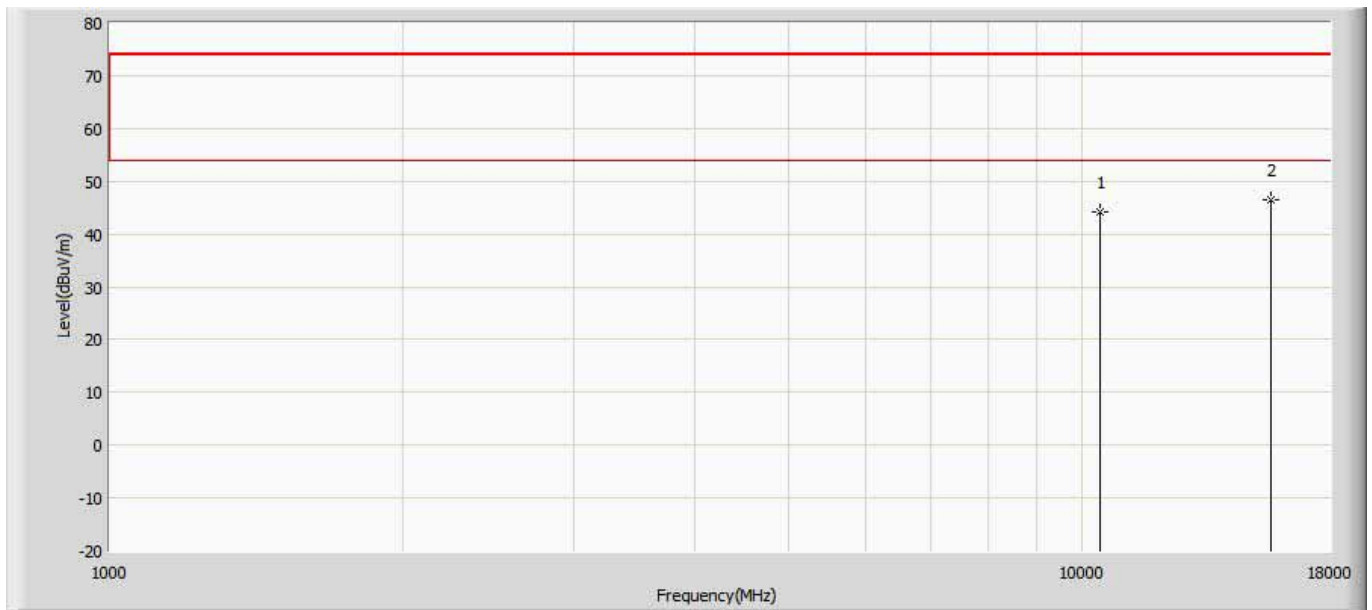
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10360.000	44.415	38.003	-29.585	74.000	6.412	PK
2	*	15540.000	46.646	36.761	-27.354	74.000	9.885	PK

Profile: Honeywell	Page No.: 215
Engineer: Blank	
Site: AC5	Time: 2018/04/02 - 11:27
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 802.11A	



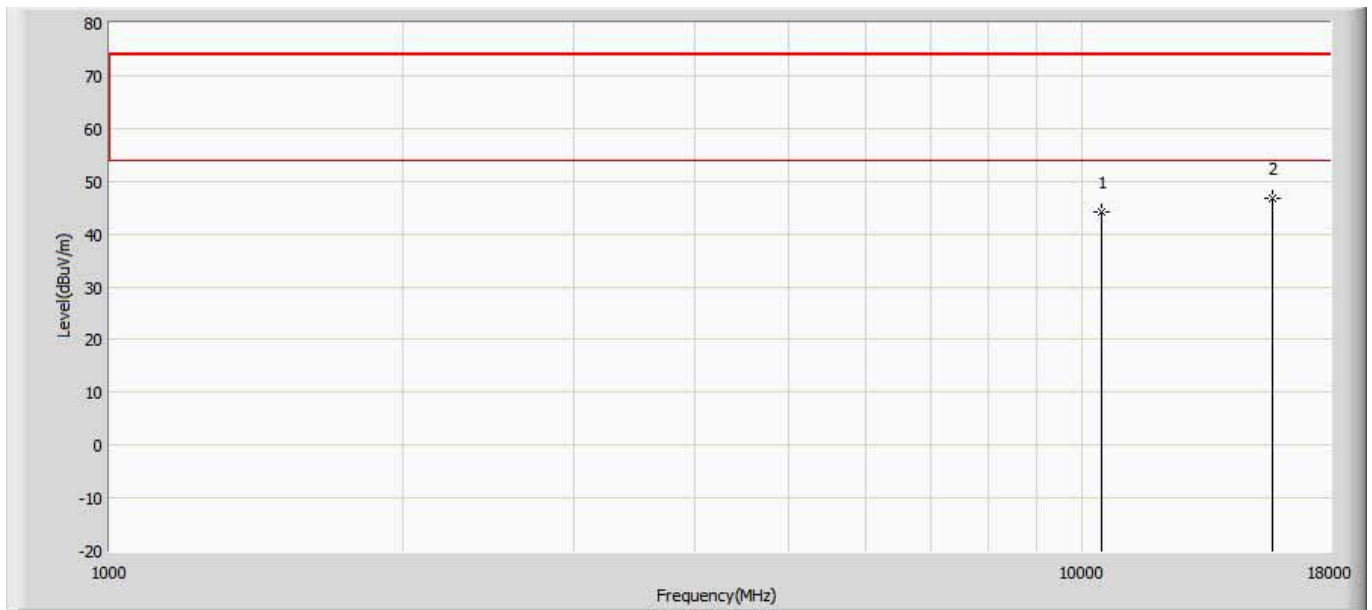
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10440.000	44.256	37.833	-29.744	74.000	6.423	PK
2	*	15660.000	46.695	36.968	-27.305	74.000	9.727	PK

Profile: Honeywell	Page No.: 216
Engineer: Blank	
Site: AC5	Time: 2018/04/02 - 11:27
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 802.11A	



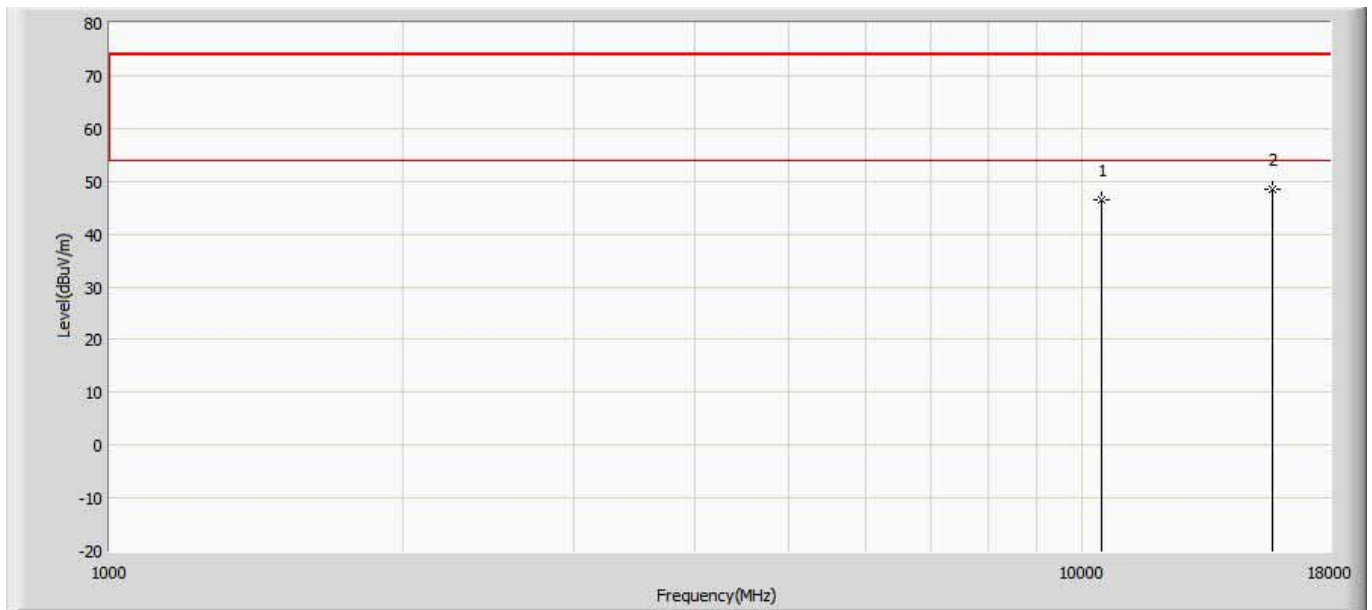
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10440.000	44.147	37.724	-29.853	74.000	6.423	PK
2	*	15660.000	46.424	36.697	-27.576	74.000	9.727	PK

Profile: Honeywell	Page No.: 217
Engineer: Blank	
Site: AC5	Time: 2018/04/02 - 11:27
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 802.11A	



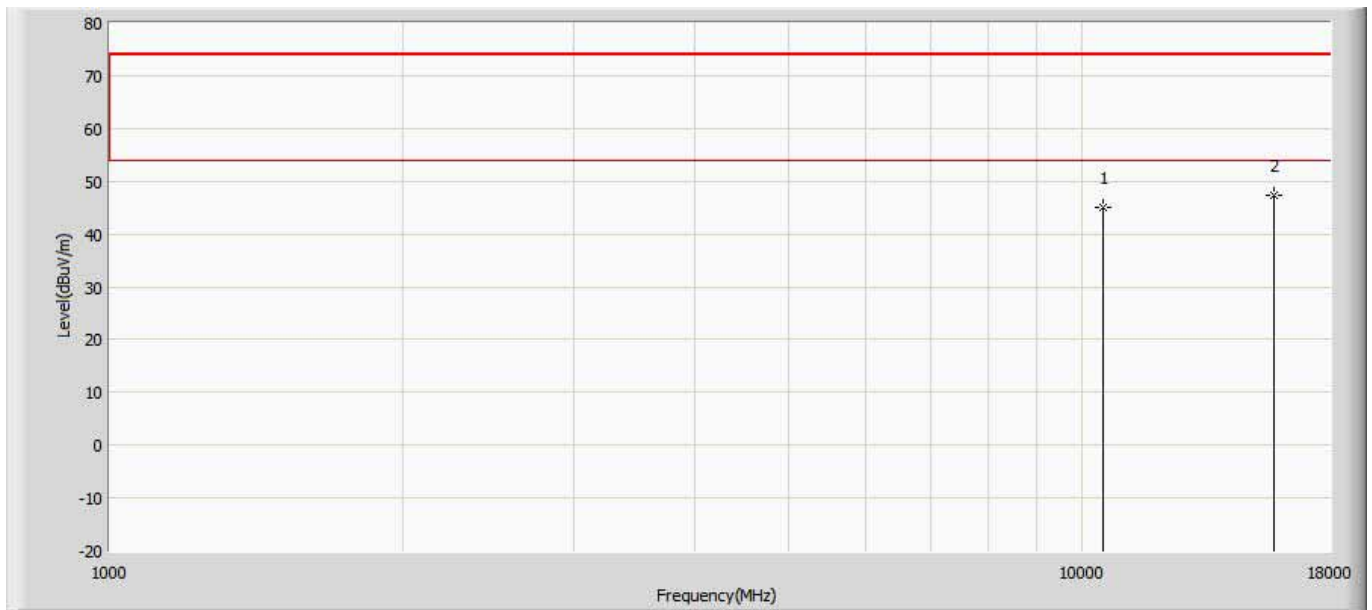
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10480.000	44.208	37.397	-29.792	74.000	6.811	PK
2	*	15720.000	46.811	37.492	-27.189	74.000	9.319	PK

Profile: Honeywell	Page No.: 218
Engineer: Blank	
Site: AC5	Time: 2018/04/02 - 11:28
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 802.11A	



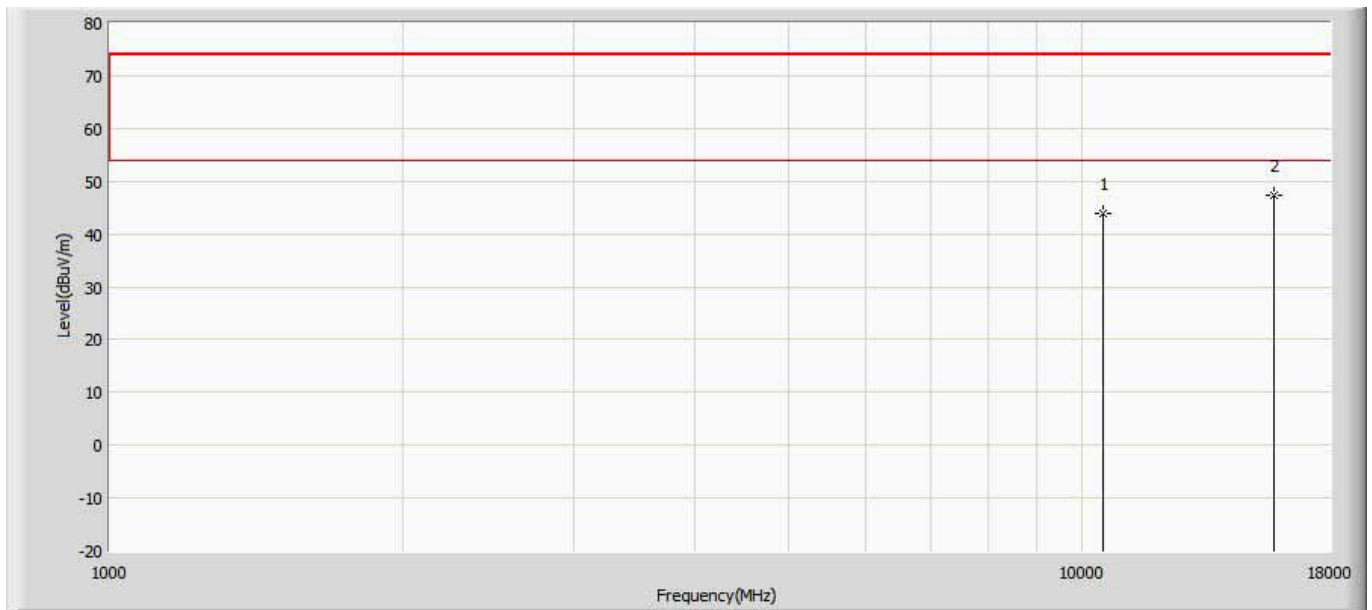
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10480.000	46.481	39.670	-27.519	74.000	6.811	PK
2	*	15720.000	48.612	39.293	-25.388	74.000	9.319	PK

Profile: Honeywell	Page No.: 219
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:28
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 802.11A	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10520.000	44.957	38.694	-29.043	74.000	6.263	PK
2	*	15780.000	47.295	38.079	-26.705	74.000	9.216	PK

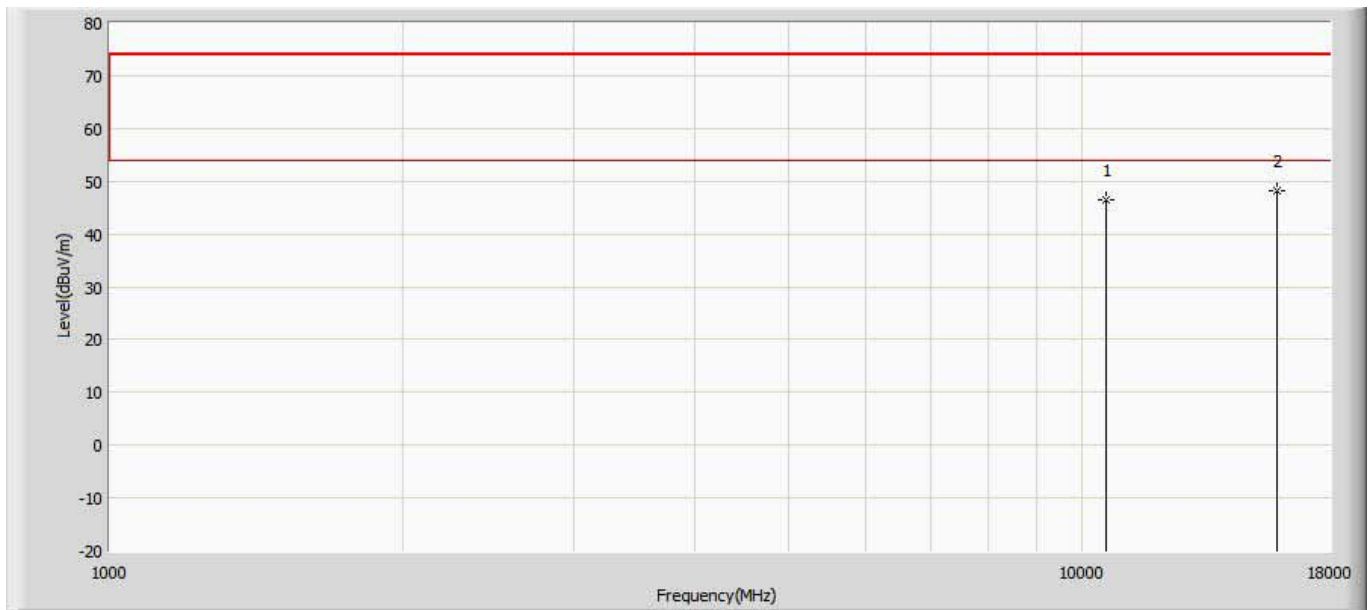
Profile: Honeywell	Page No.: 220
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:28
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 5260MHz 802.11A	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10520.000	44.014	37.751	-29.986	74.000	6.263	PK
2	*	15780.000	47.277	38.061	-26.723	74.000	9.216	PK

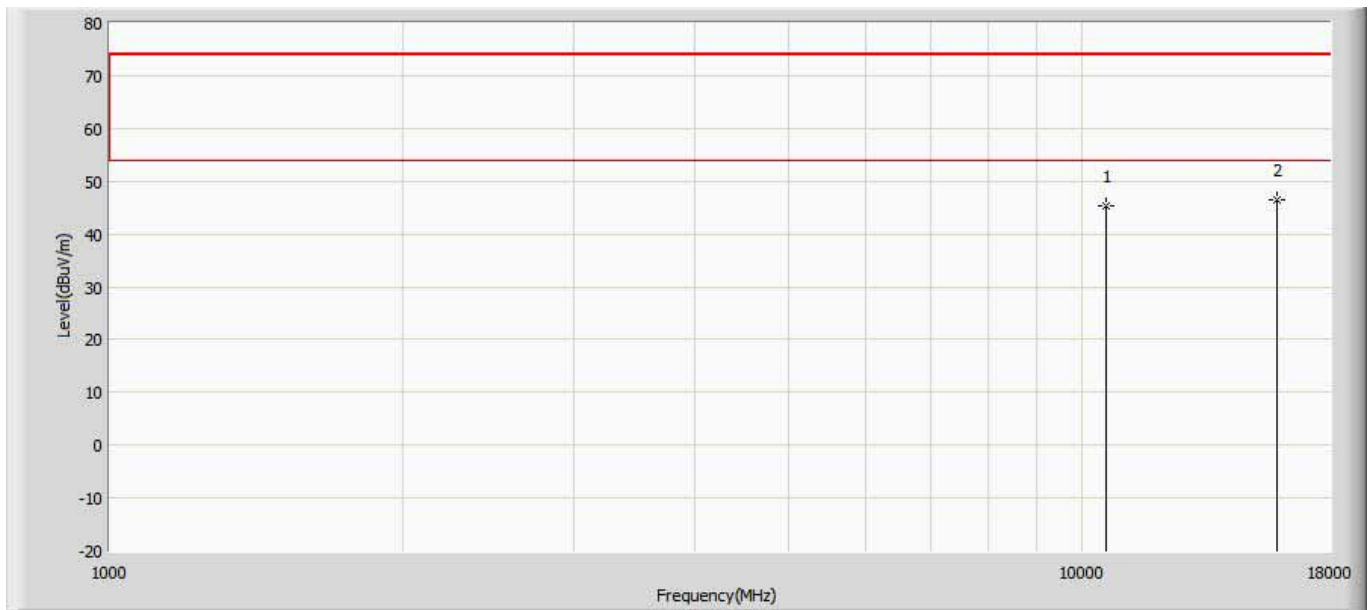


Profile: Honeywell	Page No.: 221
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:28
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 5300MHz 802.11A	



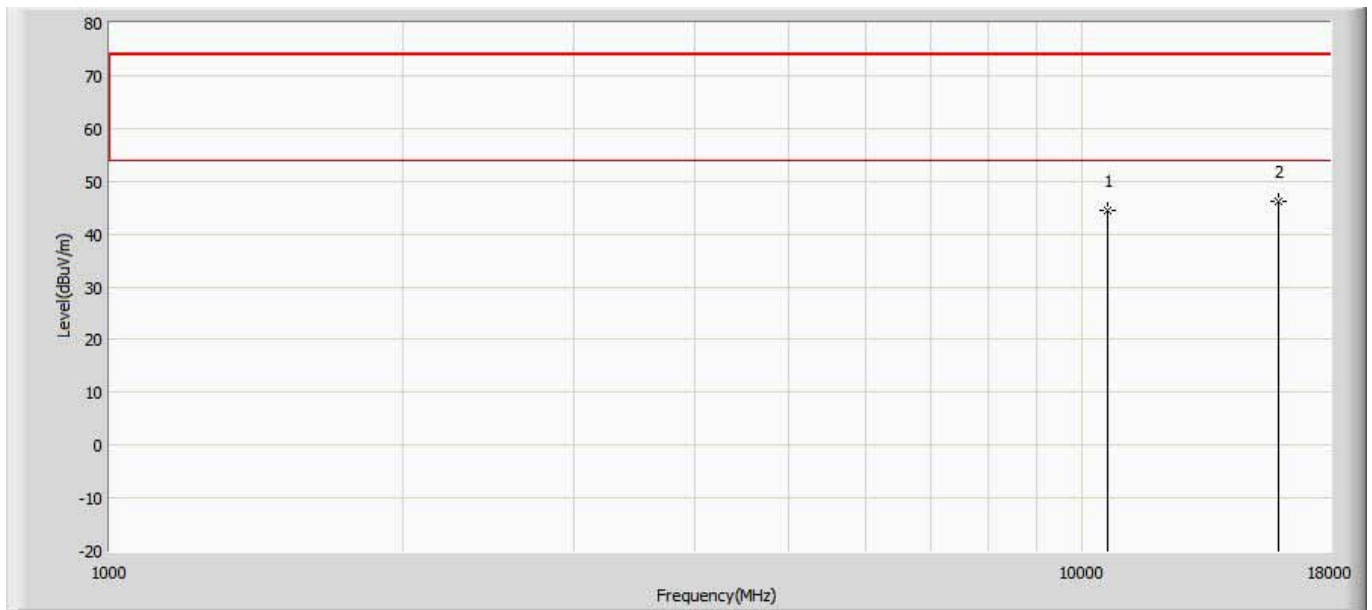
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10600.000	46.399	39.302	-27.601	74.000	7.097	PK
2	*	15900.000	48.138	38.932	-25.862	74.000	9.206	PK

Profile: Honeywell	Page No.: 222
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:28
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 802.11A	



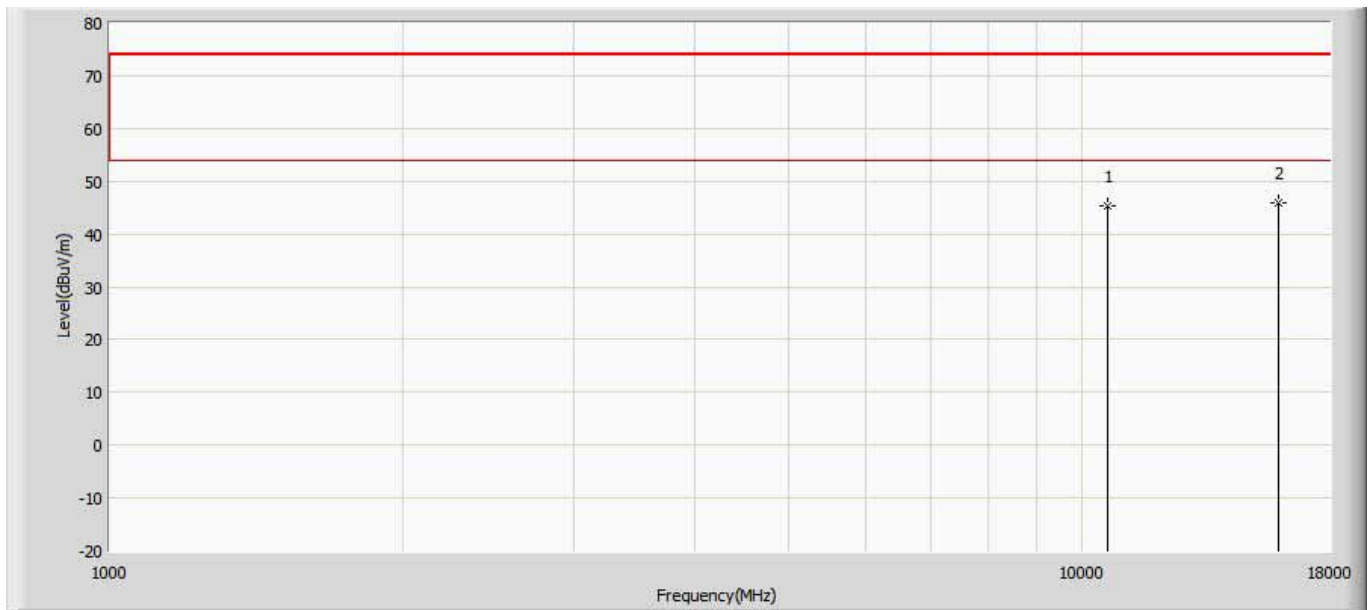
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10600.000	45.444	38.347	-28.556	74.000	7.097	PK
2	*	15900.000	46.424	37.218	-27.576	74.000	9.206	PK

Profile: Honeywell	Page No.: 223
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:28
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 802.11A	



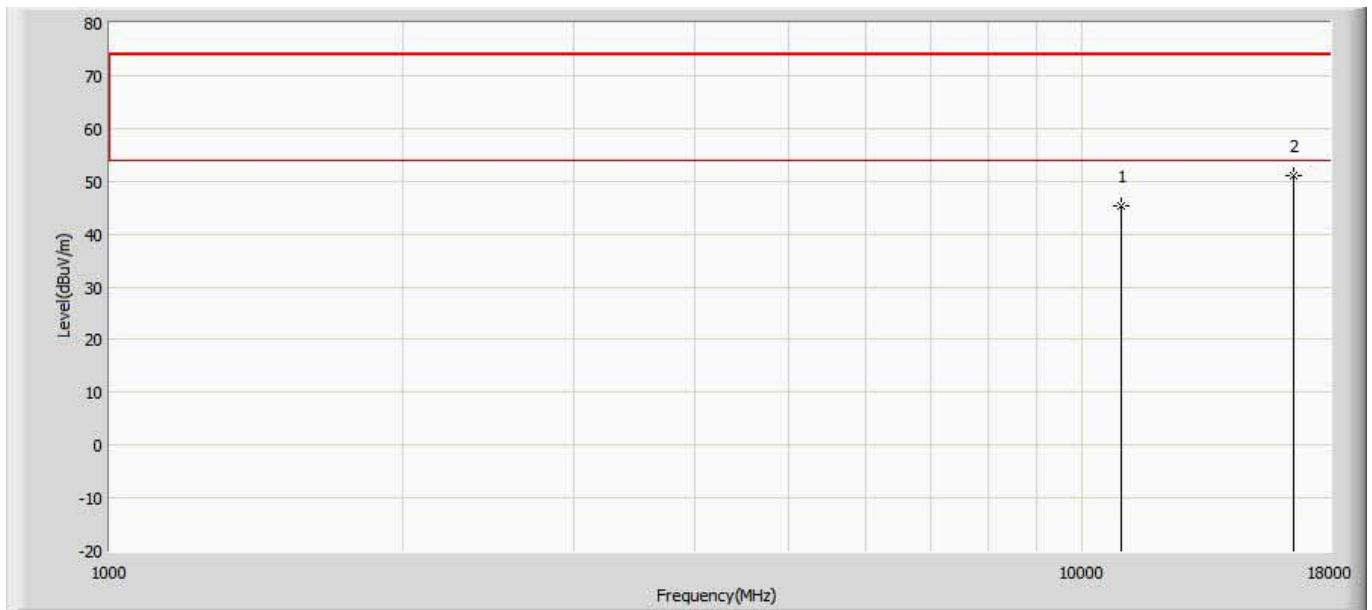
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10640.000	44.435	37.822	-29.565	74.000	6.613	PK
2	*	15960.000	46.067	36.451	-27.933	74.000	9.616	PK

Profile: Honeywell	Page No.: 224
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:28
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 802.11A	



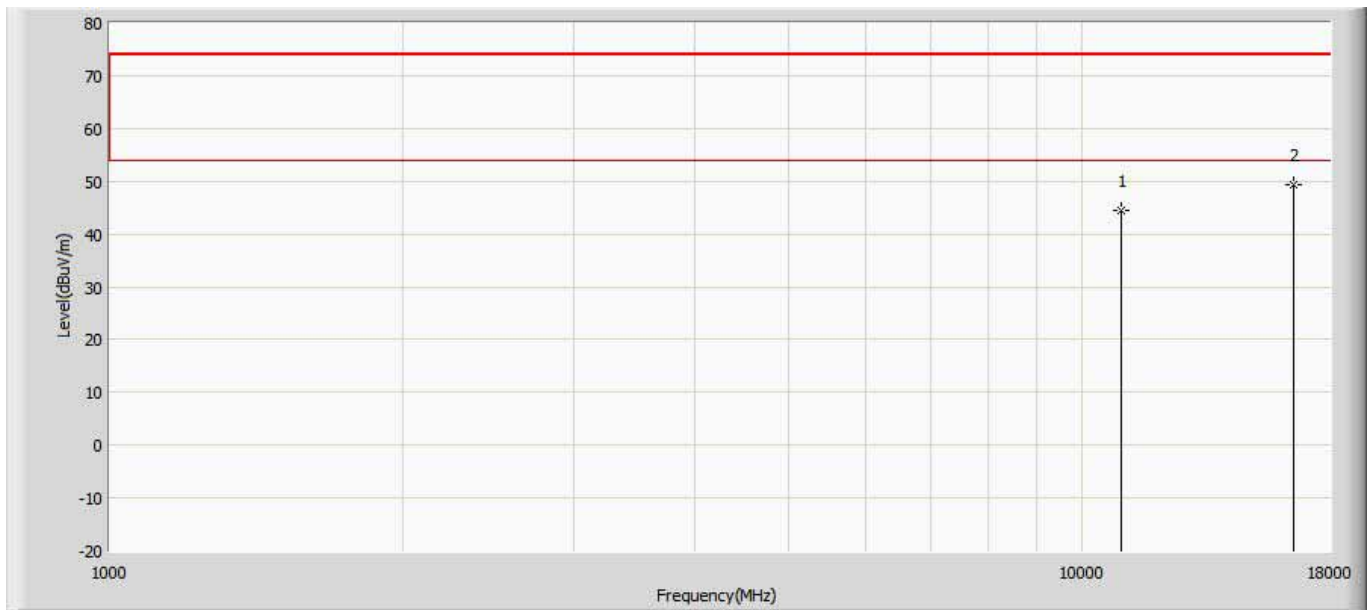
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10640.000	45.260	38.647	-28.740	74.000	6.613	PK
2	*	15960.000	46.032	36.416	-27.968	74.000	9.616	PK

Profile: Honeywell	Page No.: 225
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:28
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 802.11A	



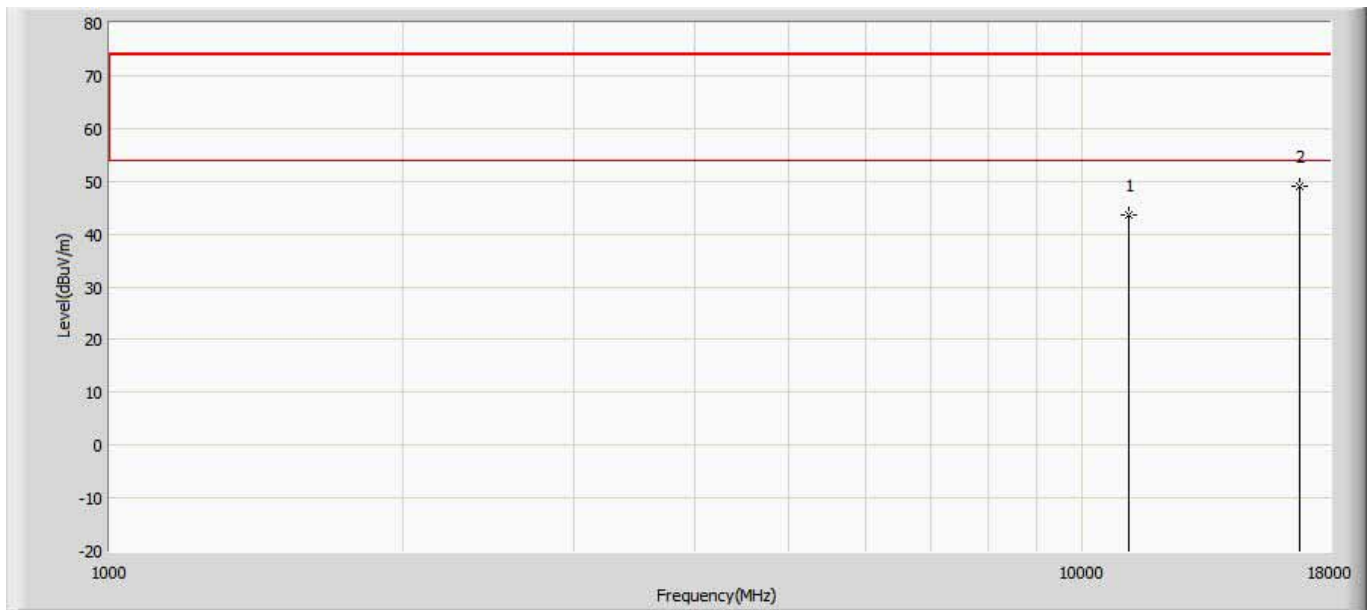
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11000.000	45.285	37.675	-28.715	74.000	7.610	PK
2	*	16500.000	50.952	39.317	-23.048	74.000	11.635	PK

Profile: Honeywell	Page No.: 226
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:28
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 802.11A	



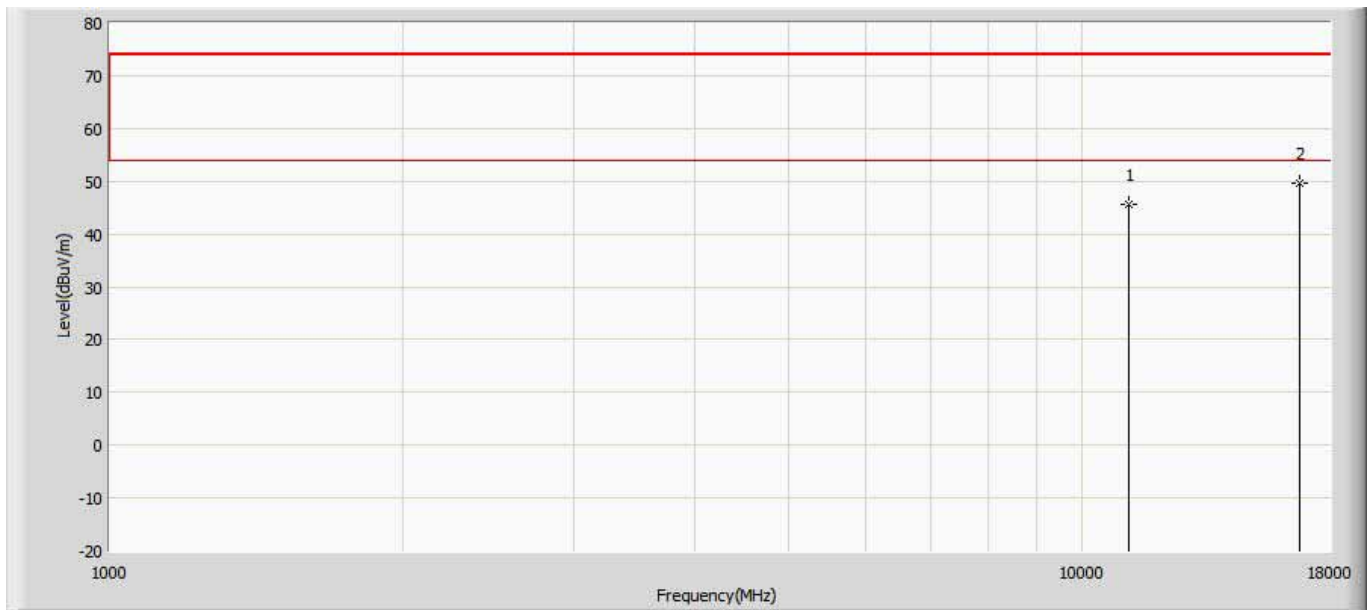
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11000.000	44.475	36.865	-29.525	74.000	7.610	PK
2	*	16500.000	49.386	37.751	-24.614	74.000	11.635	PK

Profile: Honeywell	Page No.: 227
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:29
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 802.11A	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11160.000	43.745	36.121	-30.255	74.000	7.624	PK
2	*	16740.000	49.088	37.019	-24.912	74.000	12.069	PK

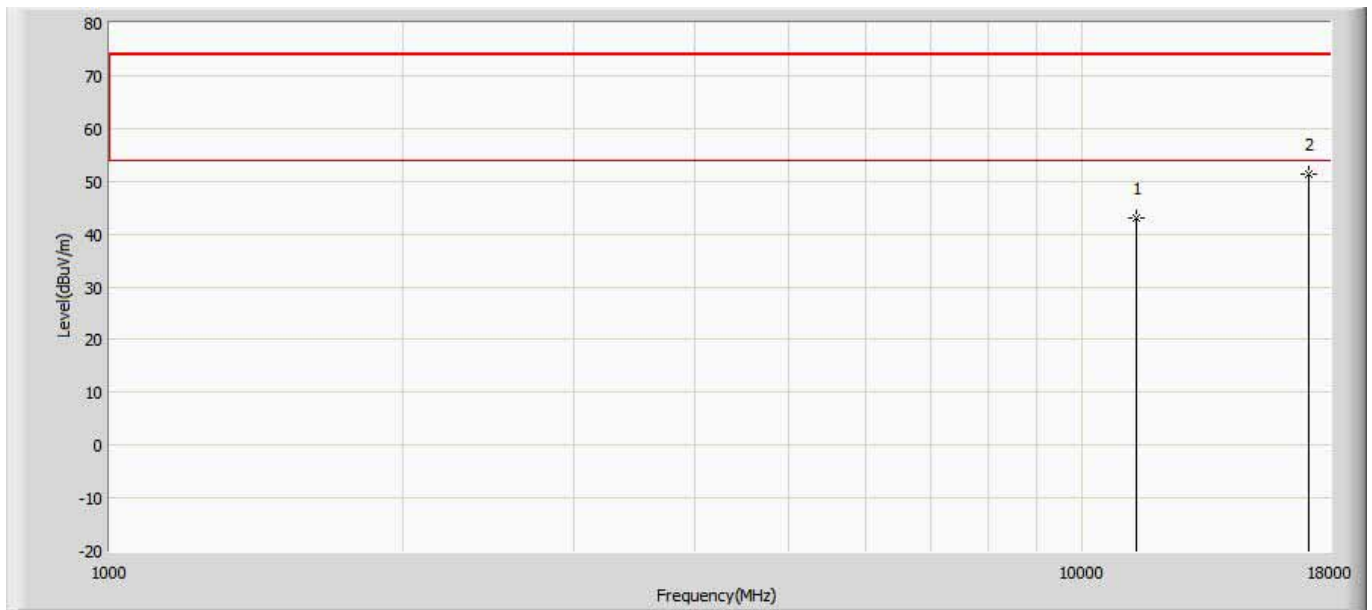
Profile: Honeywell	Page No.: 228
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:29
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 5580MHz 802.11A	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11160.000	45.620	37.996	-28.380	74.000	7.624	PK
2	*	16740.000	49.517	37.448	-24.483	74.000	12.069	PK

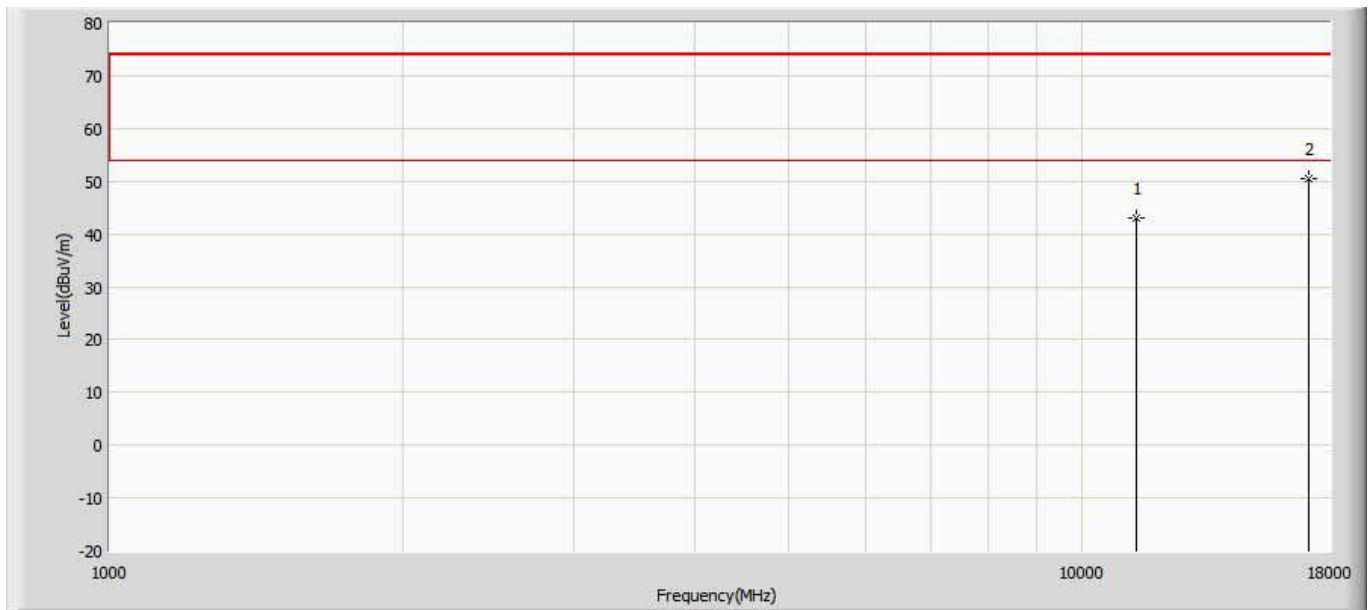


Profile: Honeywell	Page No.: 229
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:30
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 5700MHz 802.11A	



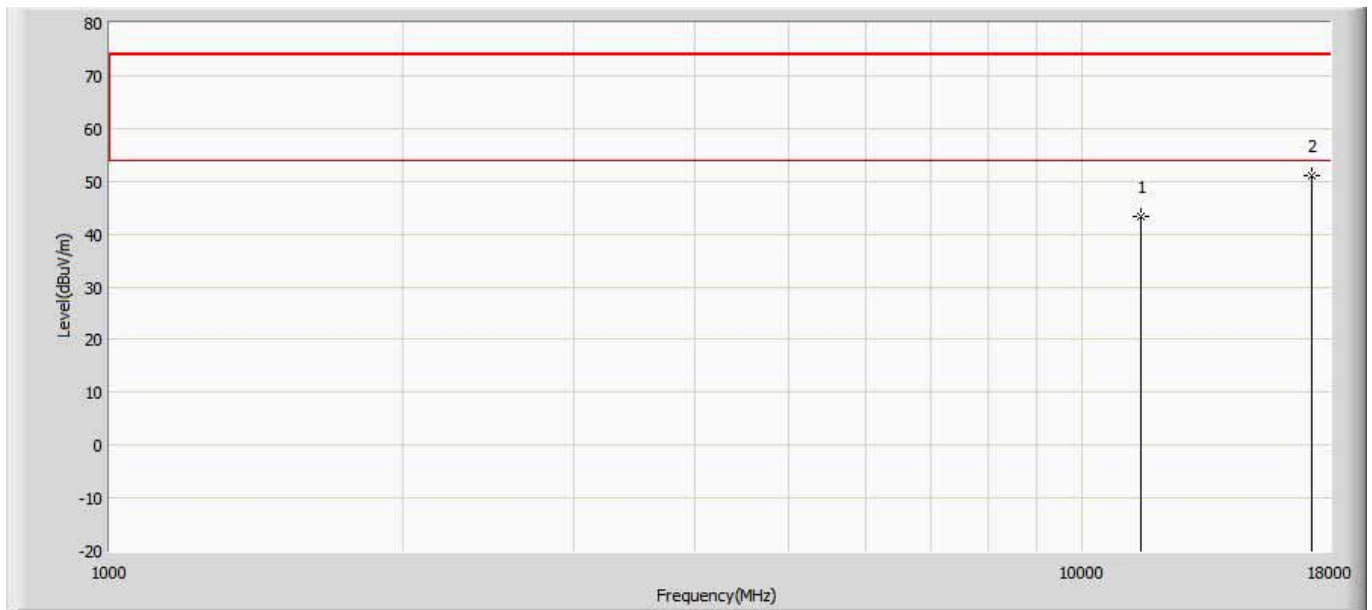
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11400.000	43.163	35.772	-30.837	74.000	7.391	PK
2	*	17100.000	51.281	37.824	-22.719	74.000	13.457	PK

Profile: Honeywell	Page No.: 230
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:30
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 802.11A	



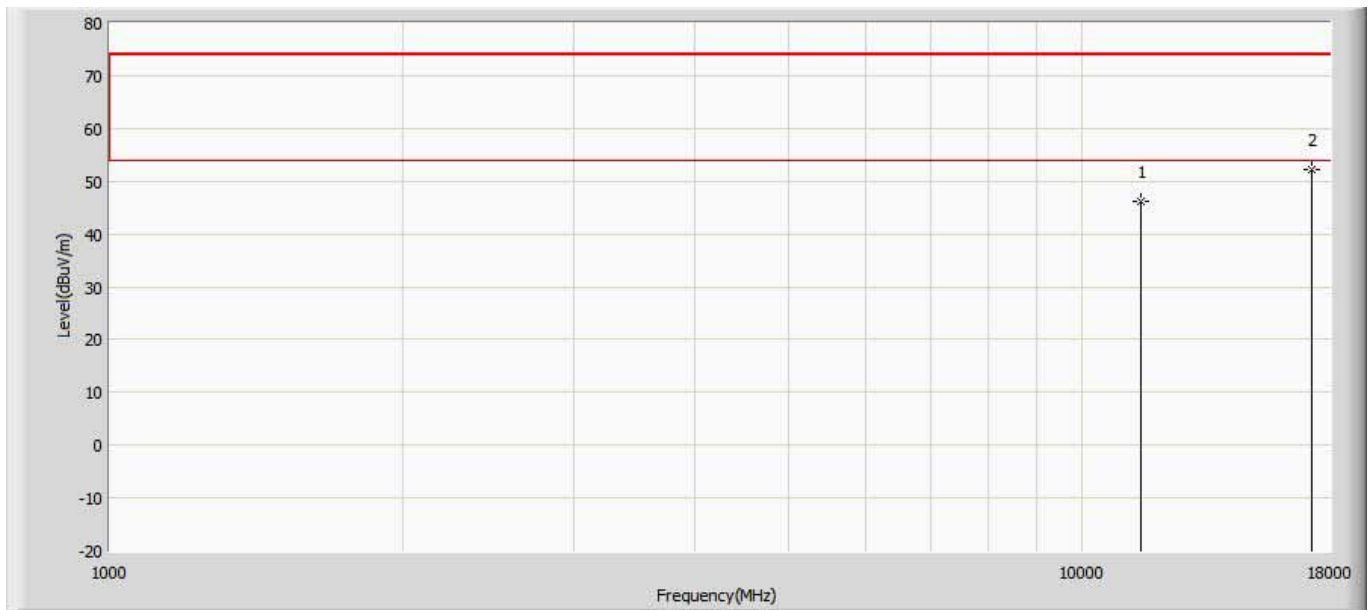
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11400.000	43.090	35.699	-30.910	74.000	7.391	PK
2	*	17100.000	50.456	36.999	-23.544	74.000	13.457	PK

Profile: Honeywell	Page No.: 231
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:31
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 802.11A	



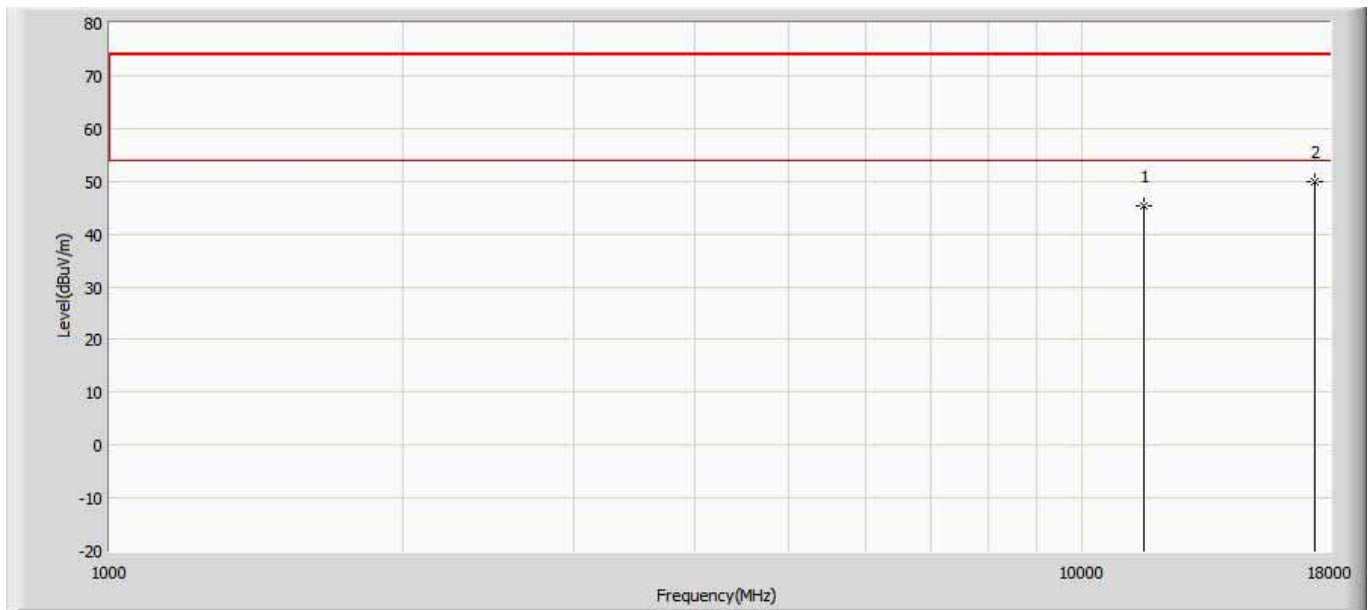
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11490.000	43.419	36.878	-30.581	74.000	6.541	PK
2	*	17235.000	50.952	37.814	-23.048	74.000	13.138	PK

Profile: Honeywell	Page No.: 232
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:31
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 802.11A	



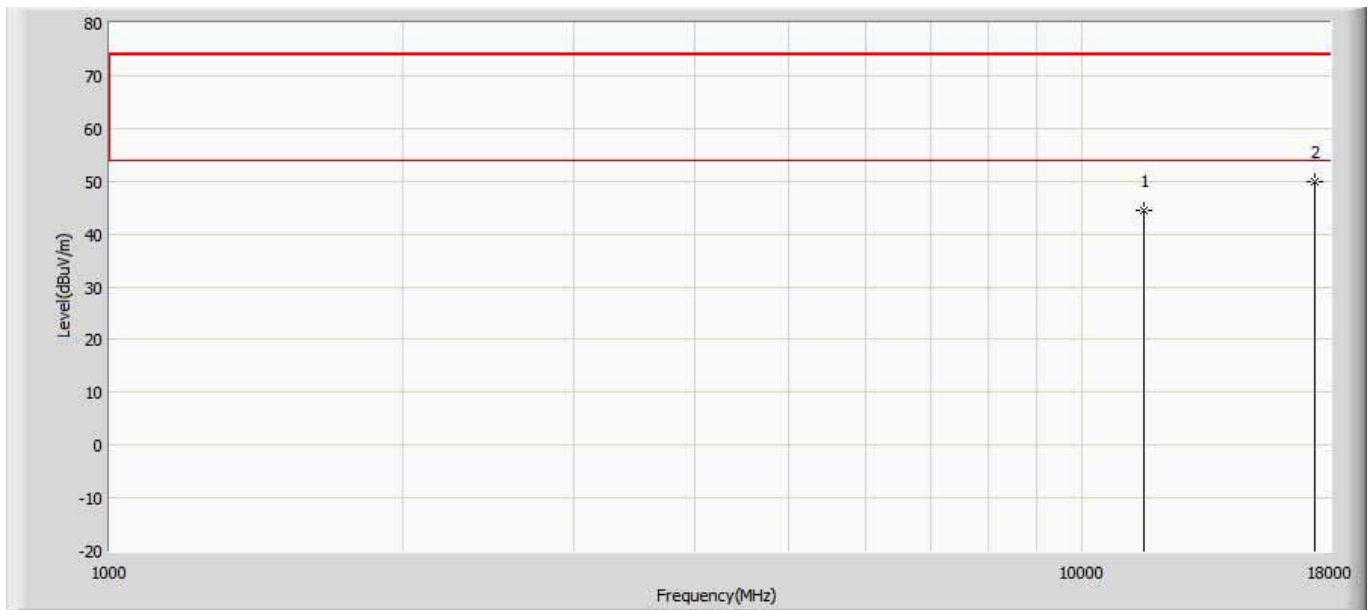
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11490.000	46.121	39.580	-27.879	74.000	6.541	PK
2	*	17235.000	52.174	39.036	-21.826	74.000	13.138	PK

Profile: Honeywell	Page No.: 233
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:31
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 802.11A	



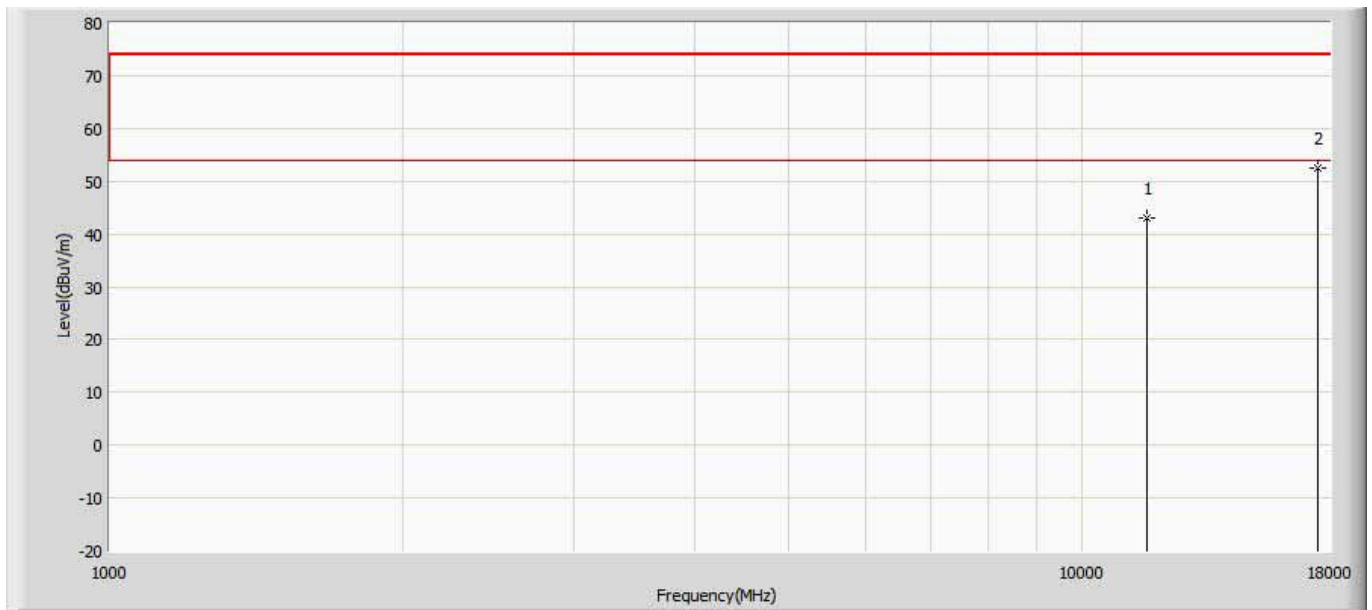
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11570.000	45.430	36.977	-28.570	74.000	8.453	PK
2	*	17355.000	49.779	36.468	-24.221	74.000	13.311	PK

Profile: Honeywell	Page No.: 234
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:31
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 802.11A	



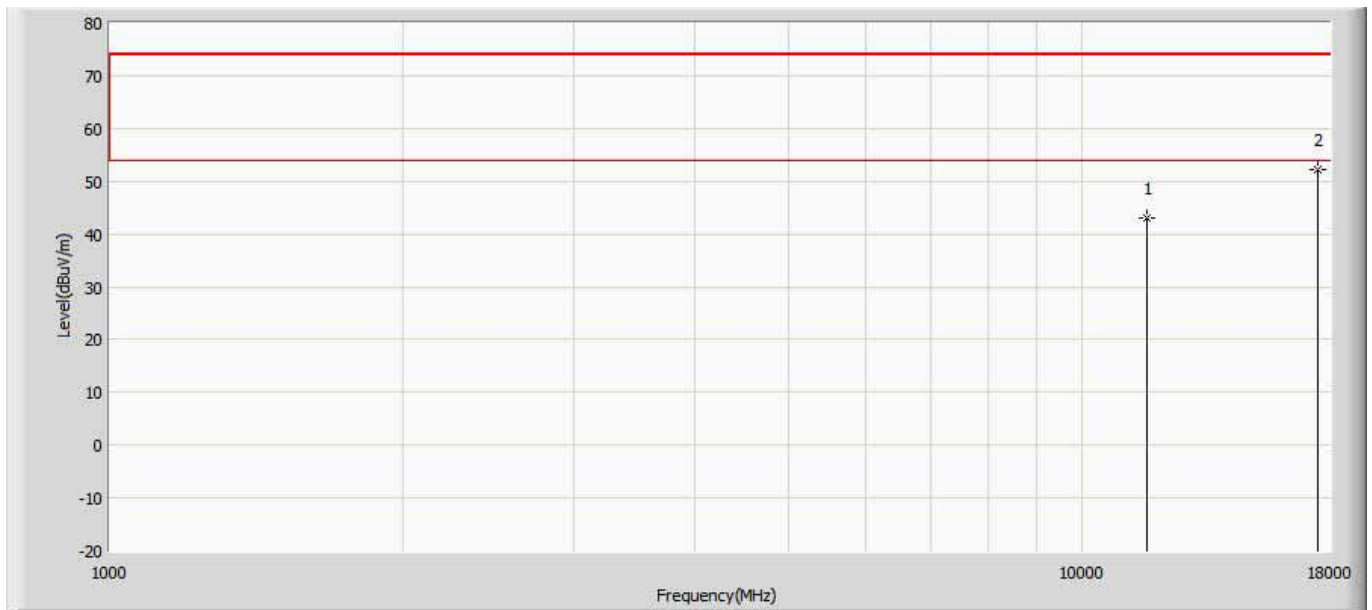
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11570.000	44.494	36.041	-29.506	74.000	8.453	PK
2	*	17355.000	50.031	36.720	-23.969	74.000	13.311	PK

Profile: Honeywell	Page No.: 235
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:31
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 802.11A	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11650.000	43.118	36.114	-30.882	74.000	7.004	PK
2	*	17475.000	52.447	38.971	-21.553	74.000	13.476	PK

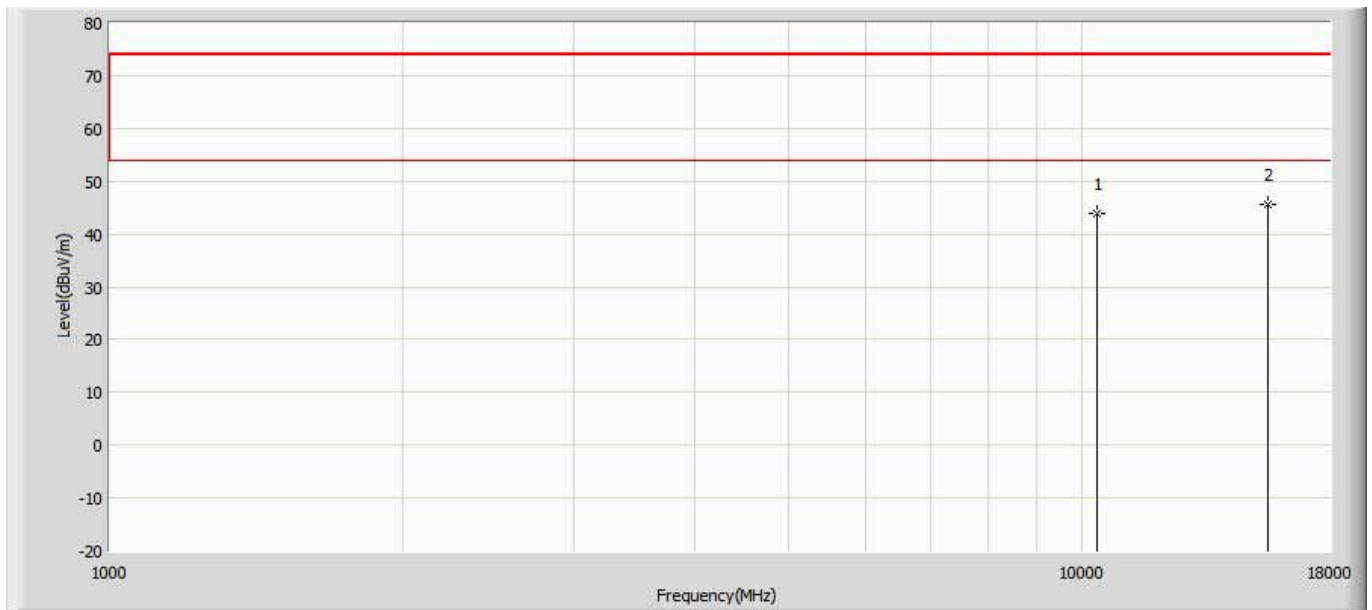
Profile: Honeywell	Page No.: 236
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:31
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 5825MHz 802.11A	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11650.000	42.899	35.895	-31.101	74.000	7.004	PK
2	*	17475.000	52.247	38.771	-21.753	74.000	13.476	PK

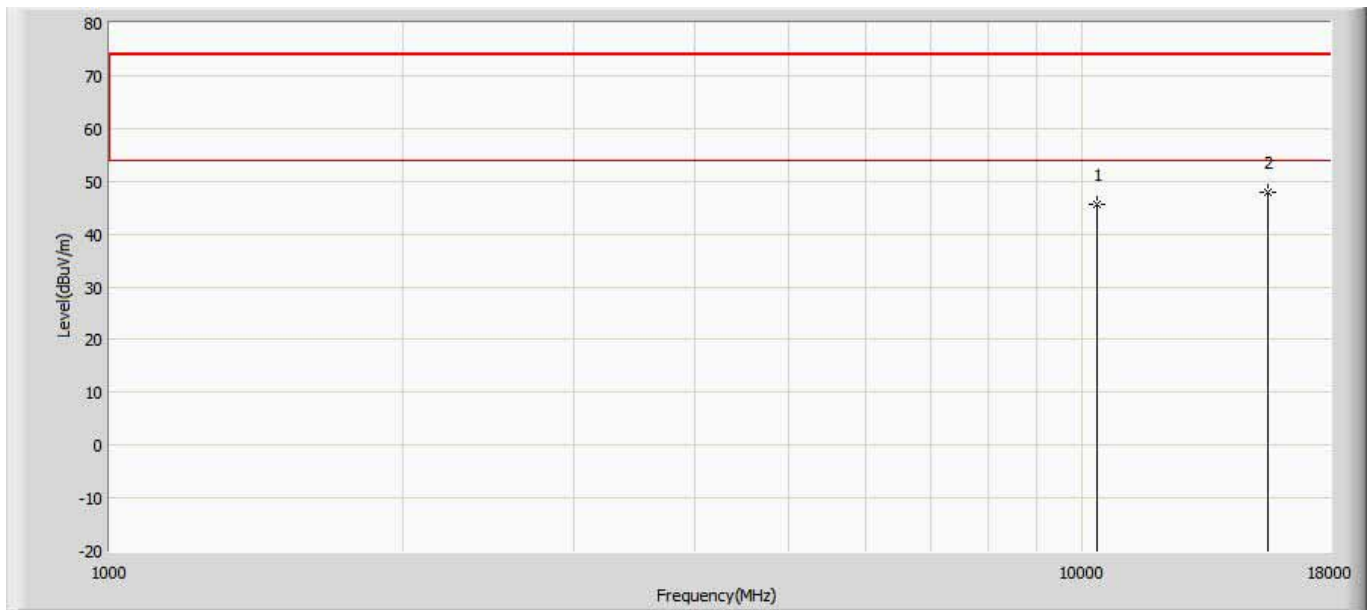


Profile: Honeywell	Page No.: 237
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:32
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 5180MHz 802.11n20	



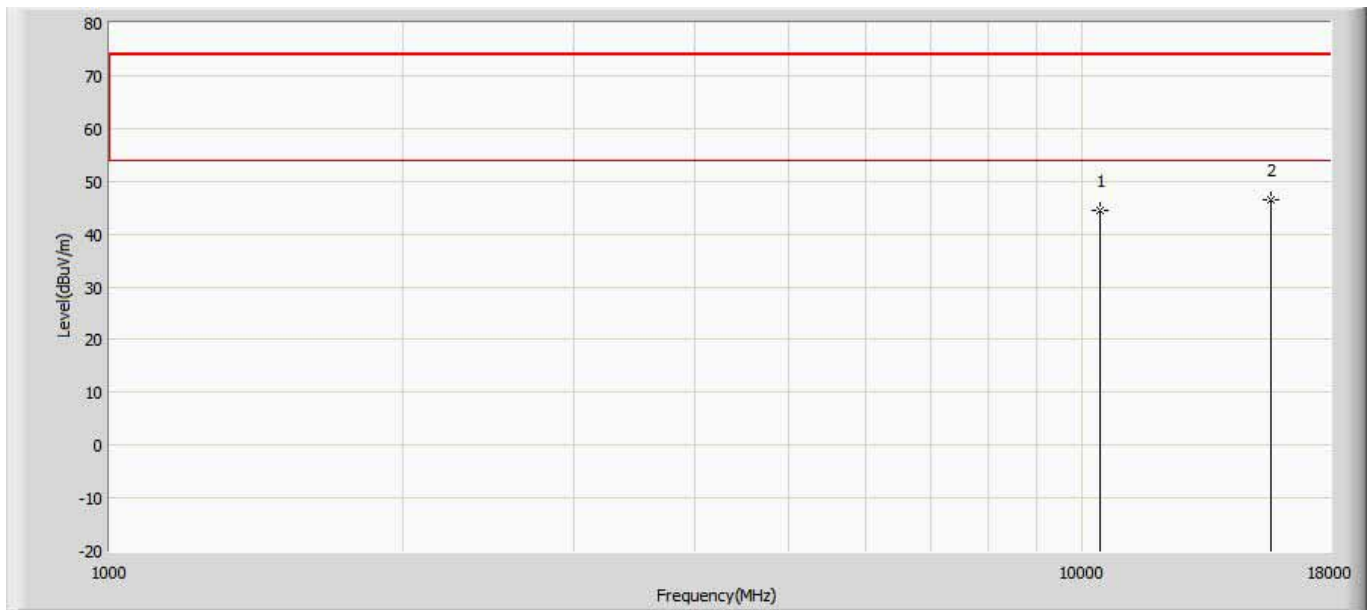
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10360.000	44.009	37.597	-29.991	74.000	6.412	PK
2	*	15540.000	45.653	35.768	-28.347	74.000	9.885	PK

Profile: Honeywell	Page No.: 238
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:32
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 802.11n20	



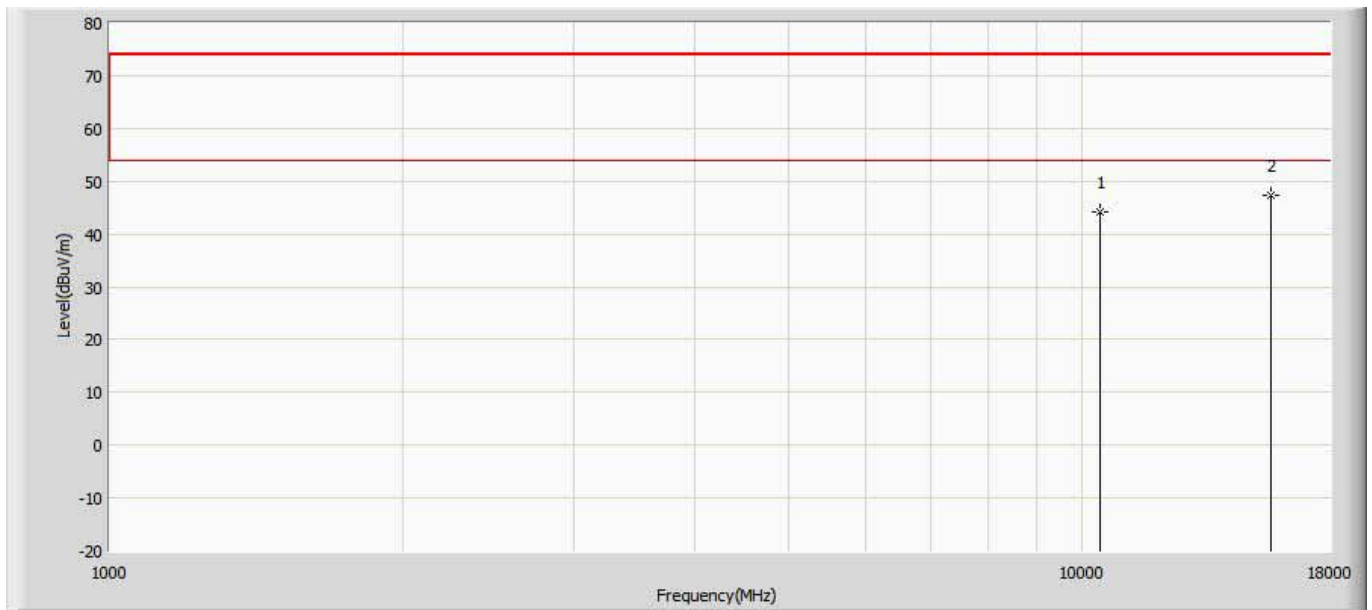
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10360.000	45.741	39.329	-28.259	74.000	6.412	PK
2	*	15540.000	47.935	38.050	-26.065	74.000	9.885	PK

Profile: Honeywell	Page No.: 239
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:32
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 802.11n20	



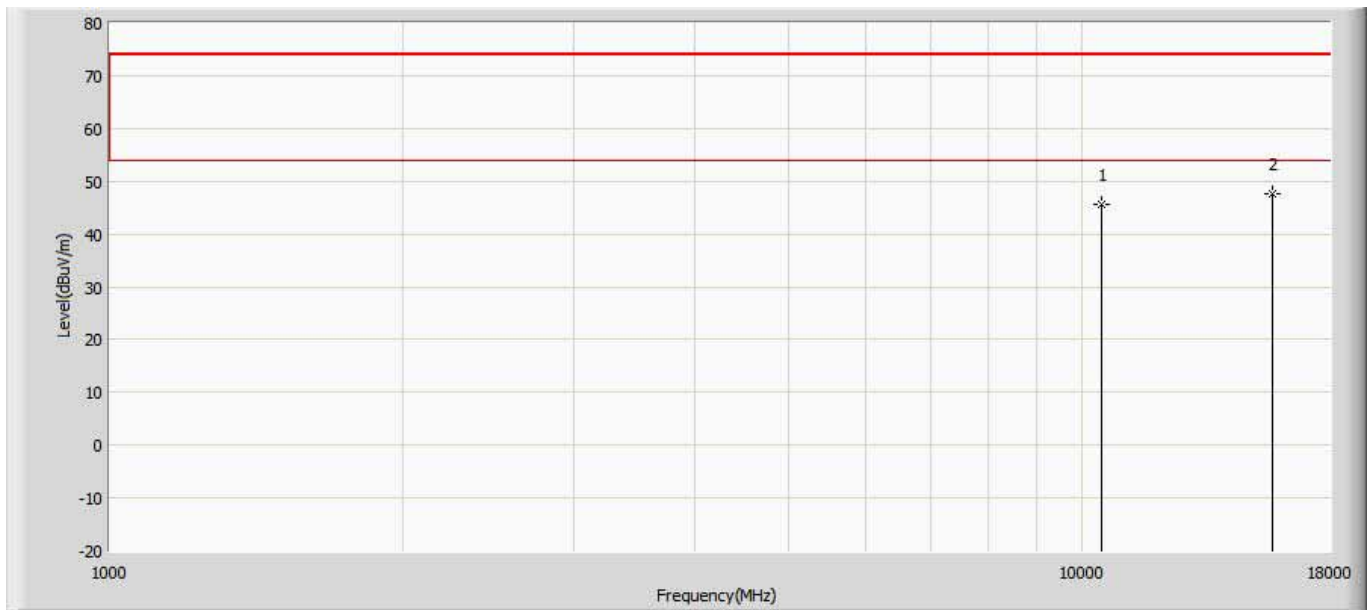
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10440.000	44.480	38.057	-29.520	74.000	6.423	PK
2	*	15660.000	46.555	36.828	-27.445	74.000	9.727	PK

Profile: Honeywell	Page No.: 240
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:32
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 802.11n20	



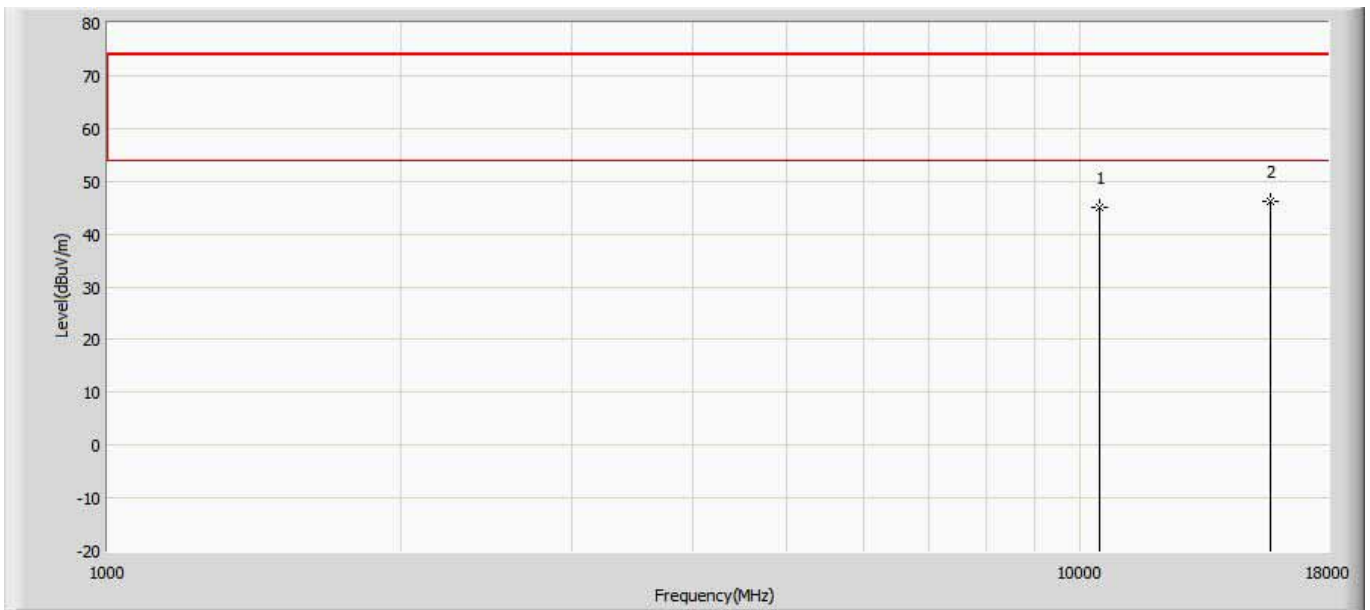
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10440.000	44.300	37.877	-29.700	74.000	6.423	PK
2	*	15660.000	47.359	37.632	-26.641	74.000	9.727	PK

Profile: Honeywell	Page No.: 241
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:32
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 802.11n20	



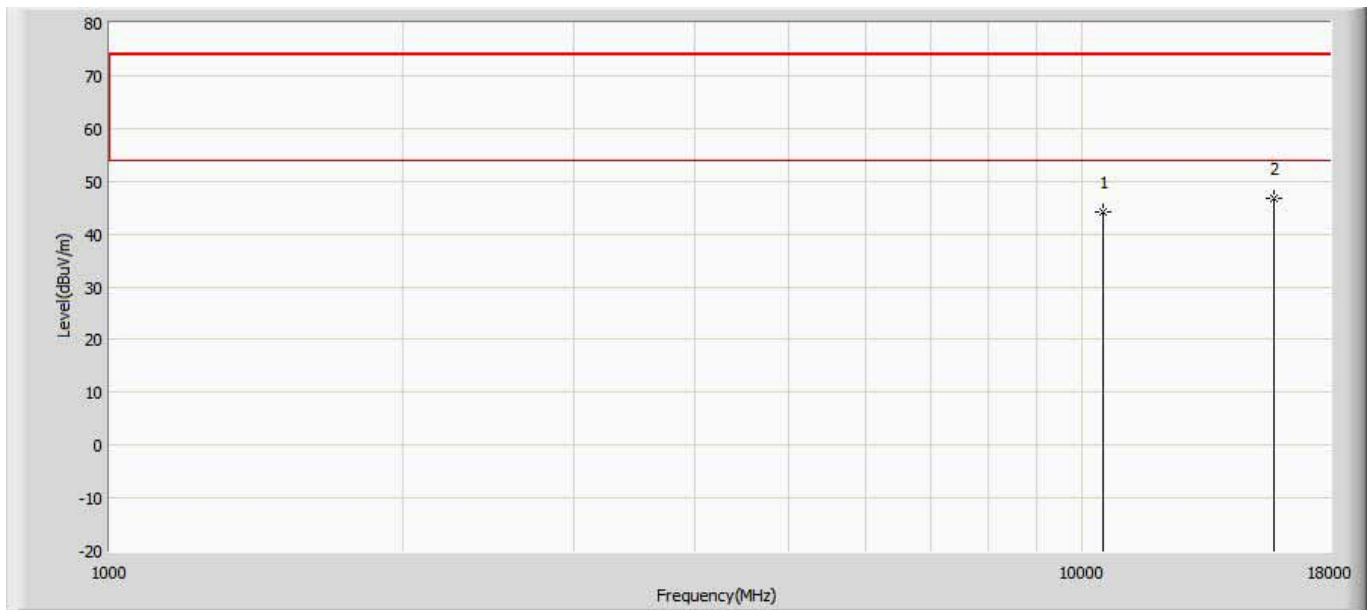
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10480.000	45.581	38.770	-28.419	74.000	6.811	PK
2	*	15720.000	47.759	38.440	-26.241	74.000	9.319	PK

Profile: Honeywell	Page No.: 242
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:32
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 802.11n20	



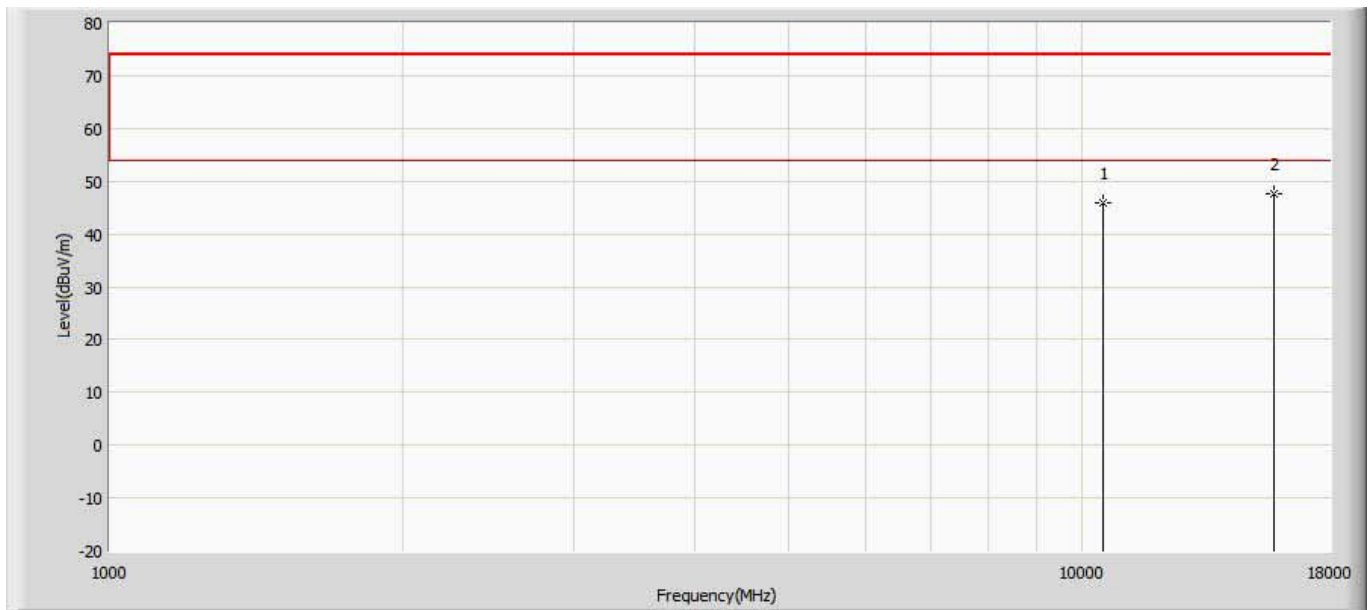
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10480.000	44.908	38.097	-29.092	74.000	6.811	PK
2	*	15720.000	46.056	36.737	-27.944	74.000	9.319	PK

Profile: Honeywell	Page No.: 243
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:32
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 802.11n20	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10520.000	44.049	37.786	-29.951	74.000	6.263	PK
2	*	15780.000	46.890	37.674	-27.110	74.000	9.216	PK

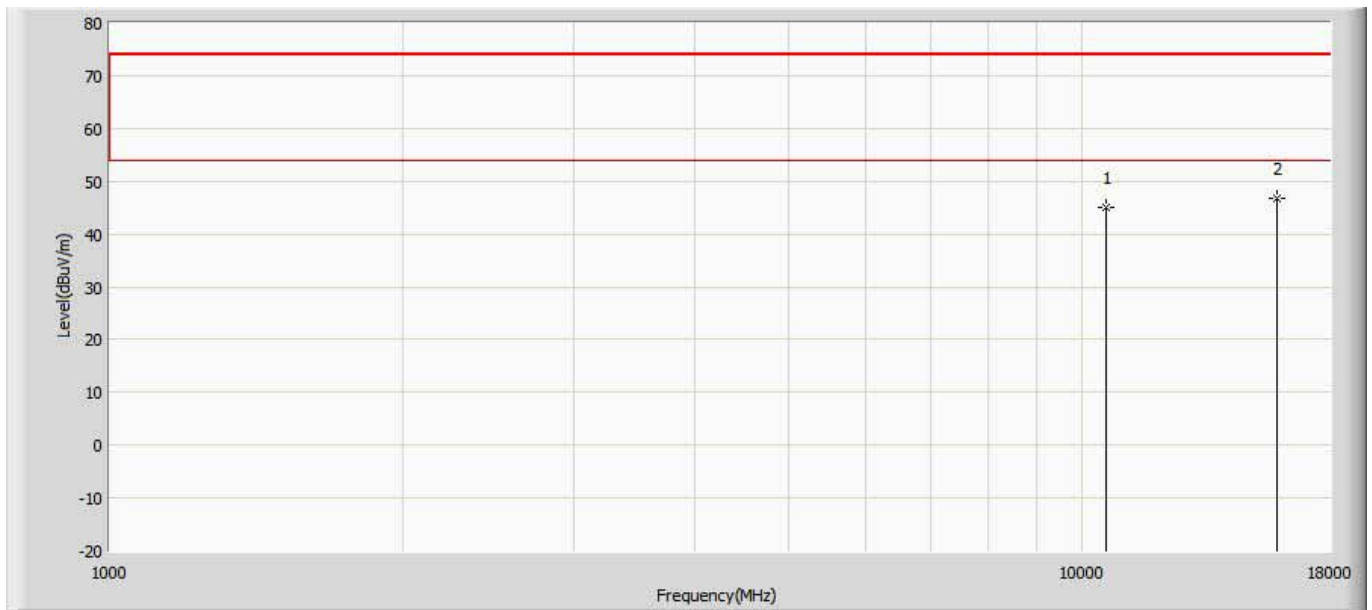
Profile: Honeywell	Page No.: 244
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:32
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 5260MHz 802.11n20	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10520.000	45.988	39.725	-28.012	74.000	6.263	PK
2	*	15780.000	47.719	38.503	-26.281	74.000	9.216	PK

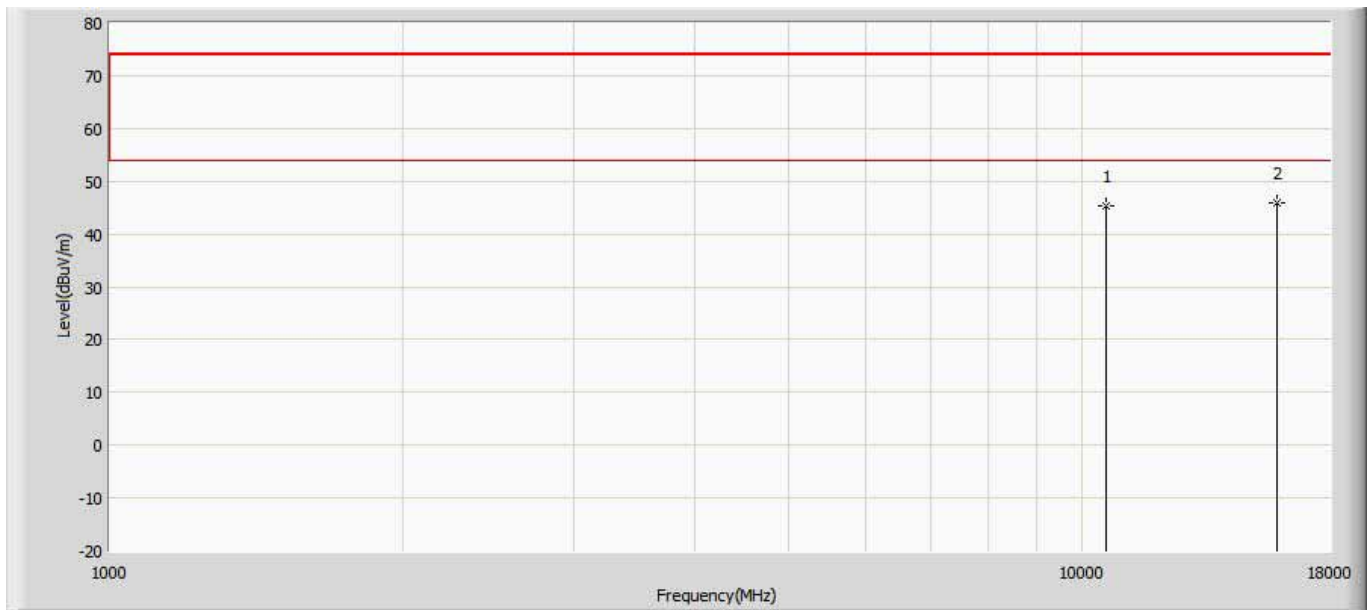


Profile: Honeywell	Page No.: 245
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:32
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 5300MHz 802.11n20	



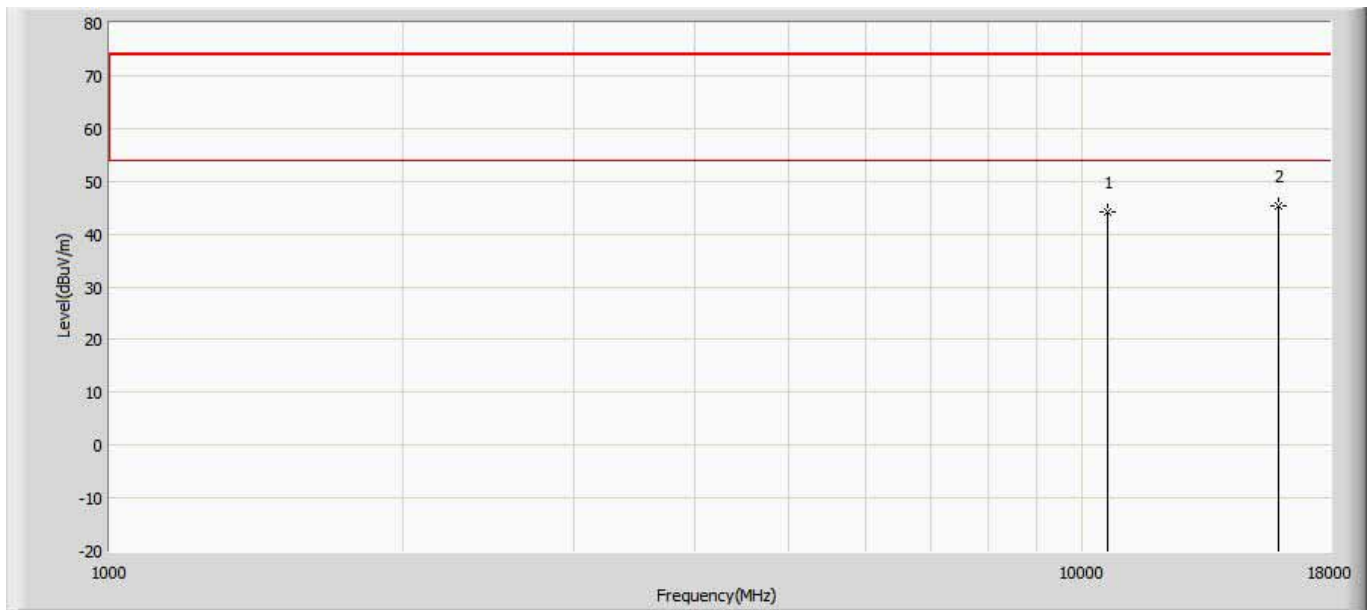
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10600.000	45.082	37.985	-28.918	74.000	7.097	PK
2	*	15900.000	46.678	37.472	-27.322	74.000	9.206	PK

Profile: Honeywell	Page No.: 246
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:33
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 802.11n20	



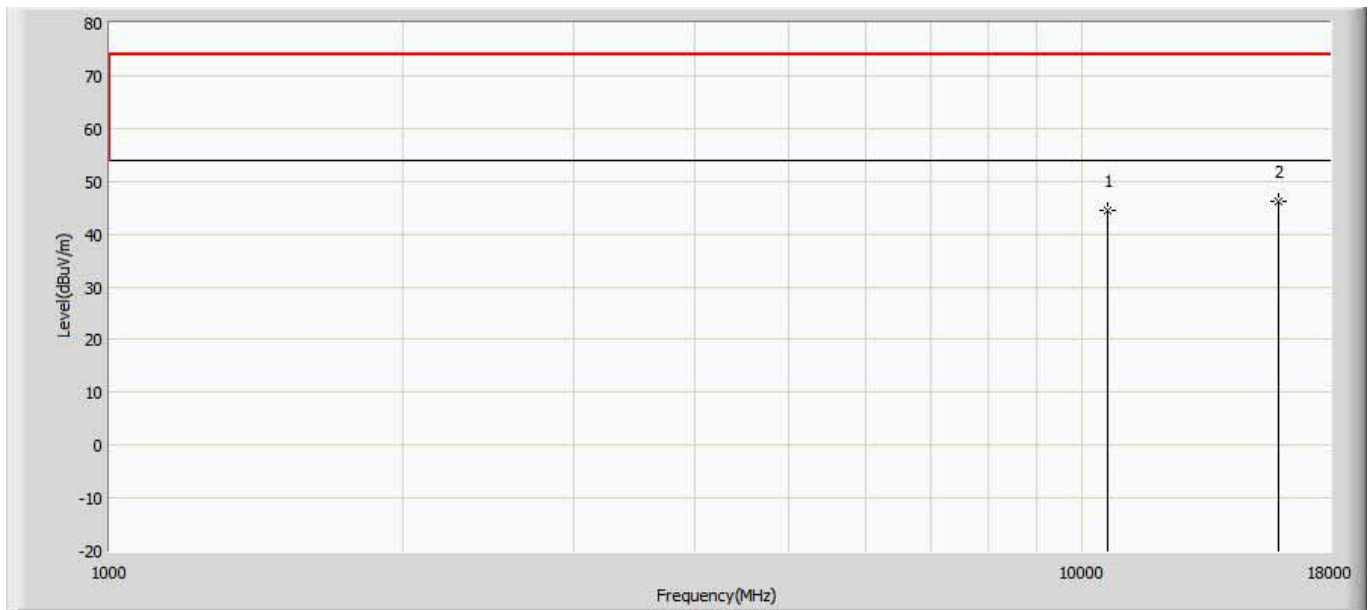
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10600.000	45.337	38.240	-28.663	74.000	7.097	PK
2	*	15900.000	46.018	36.812	-27.982	74.000	9.206	PK

Profile: Honeywell	Page No.: 247
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:33
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 802.11n20	



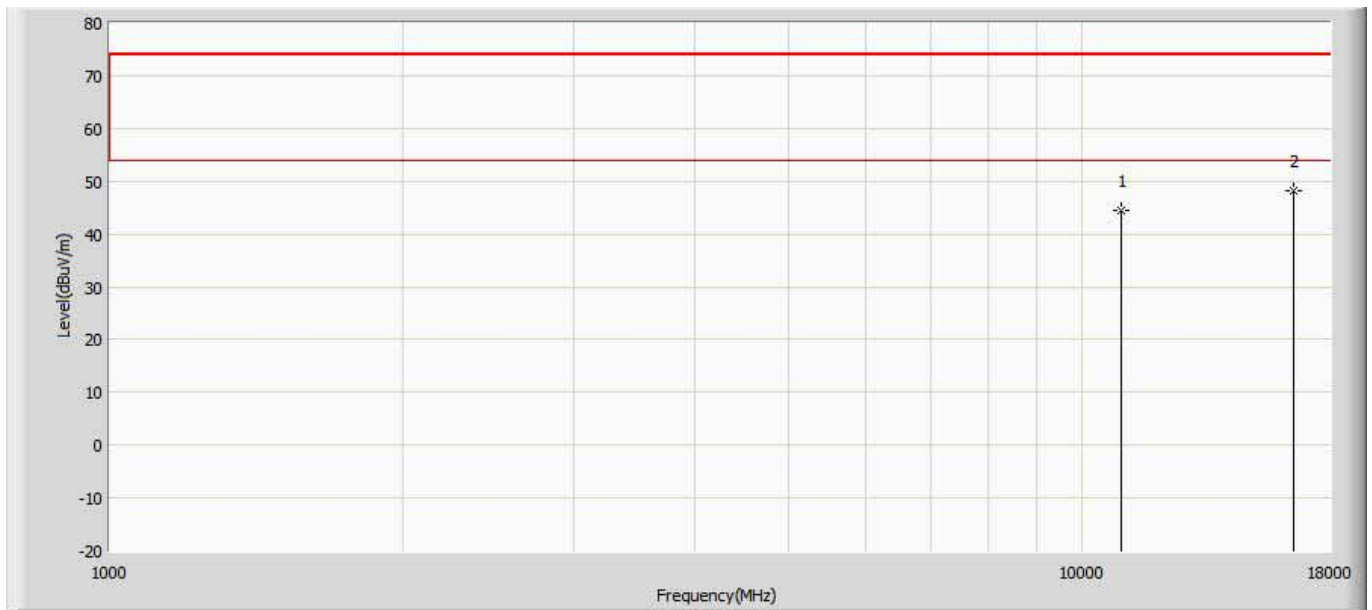
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10640.000	44.158	37.545	-29.842	74.000	6.613	PK
2	*	15960.000	45.333	35.717	-28.667	74.000	9.616	PK

Profile: Honeywell	Page No.: 248
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:33
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 802.11n20	



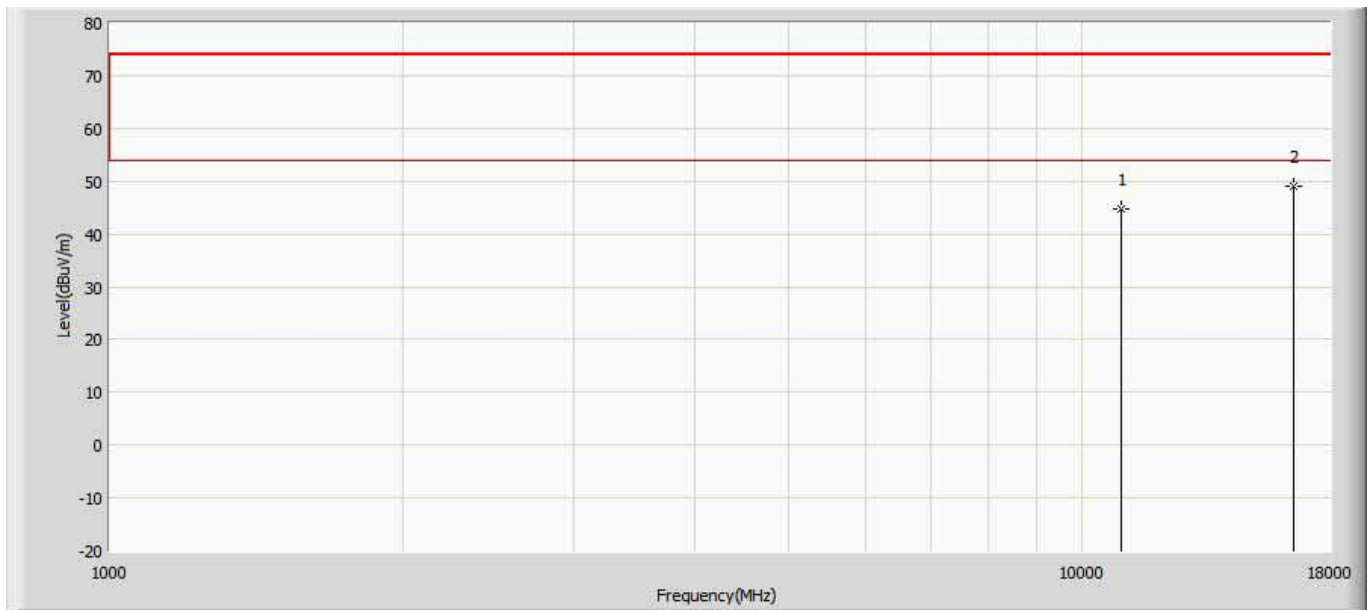
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10640.000	44.332	37.719	-29.668	74.000	6.613	PK
2	*	15960.000	46.107	36.491	-27.893	74.000	9.616	PK

Profile: Honeywell	Page No.: 249
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:33
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 802.11n20	



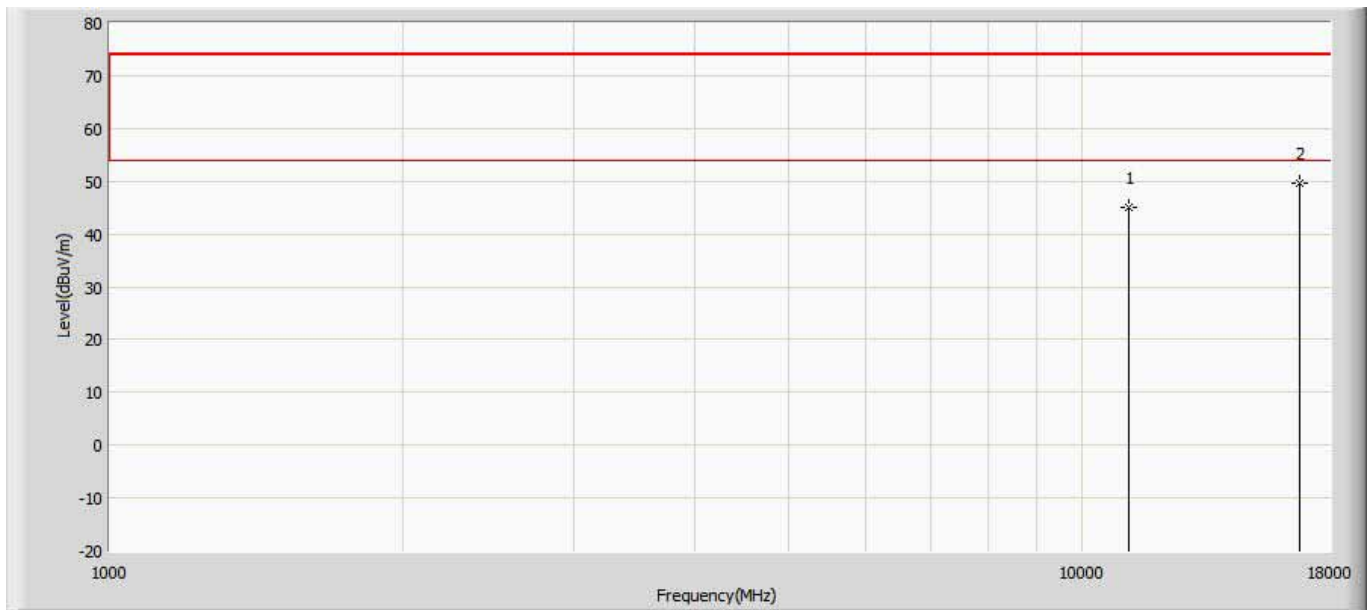
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11000.000	44.521	36.911	-29.479	74.000	7.610	PK
2	*	16500.000	48.171	36.536	-25.829	74.000	11.635	PK

Profile: Honeywell	Page No.: 250
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:33
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 802.11n20	



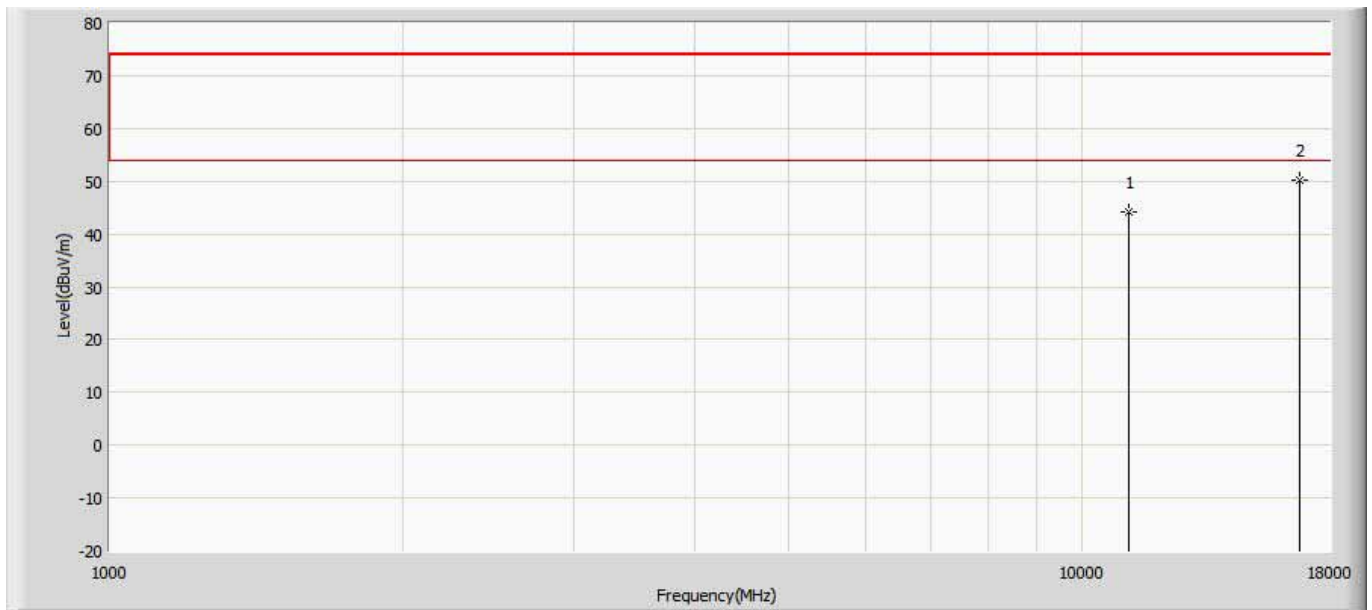
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11000.000	44.886	37.276	-29.114	74.000	7.610	PK
2	*	16500.000	48.964	37.329	-25.036	74.000	11.635	PK

Profile: Honeywell	Page No.: 251
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:34
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 802.11n20	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11160.000	44.957	37.333	-29.043	74.000	7.624	PK
2	*	16740.000	49.680	37.611	-24.320	74.000	12.069	PK

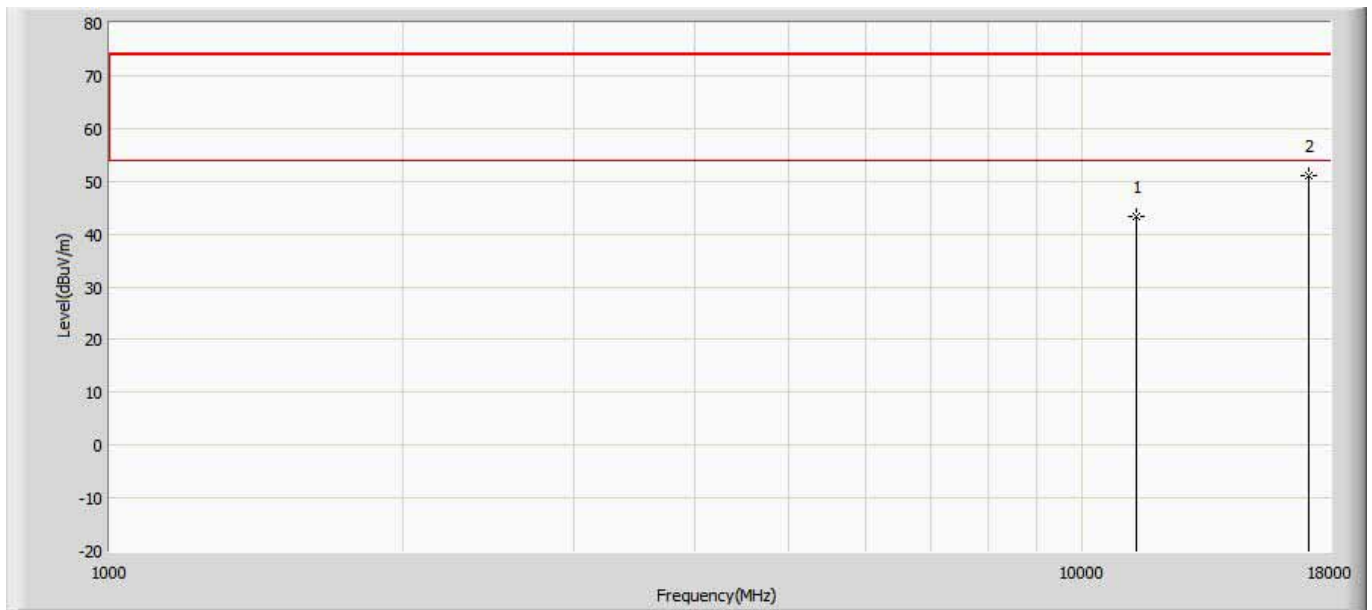
Profile: Honeywell	Page No.: 252
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:35
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 5580MHz 802.11n20	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11160.000	44.199	36.575	-29.801	74.000	7.624	PK
2	*	16740.000	50.155	38.086	-23.845	74.000	12.069	PK

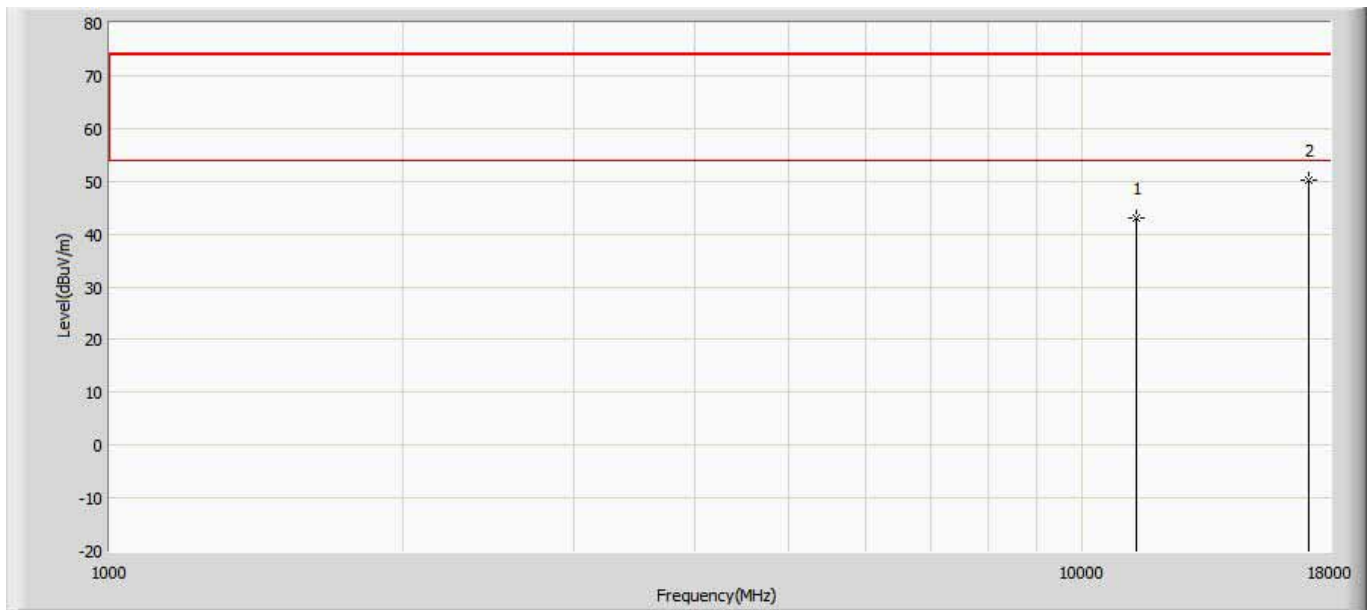


Profile: Honeywell	Page No.: 253
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:35
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 5700MHz 802.11n20	



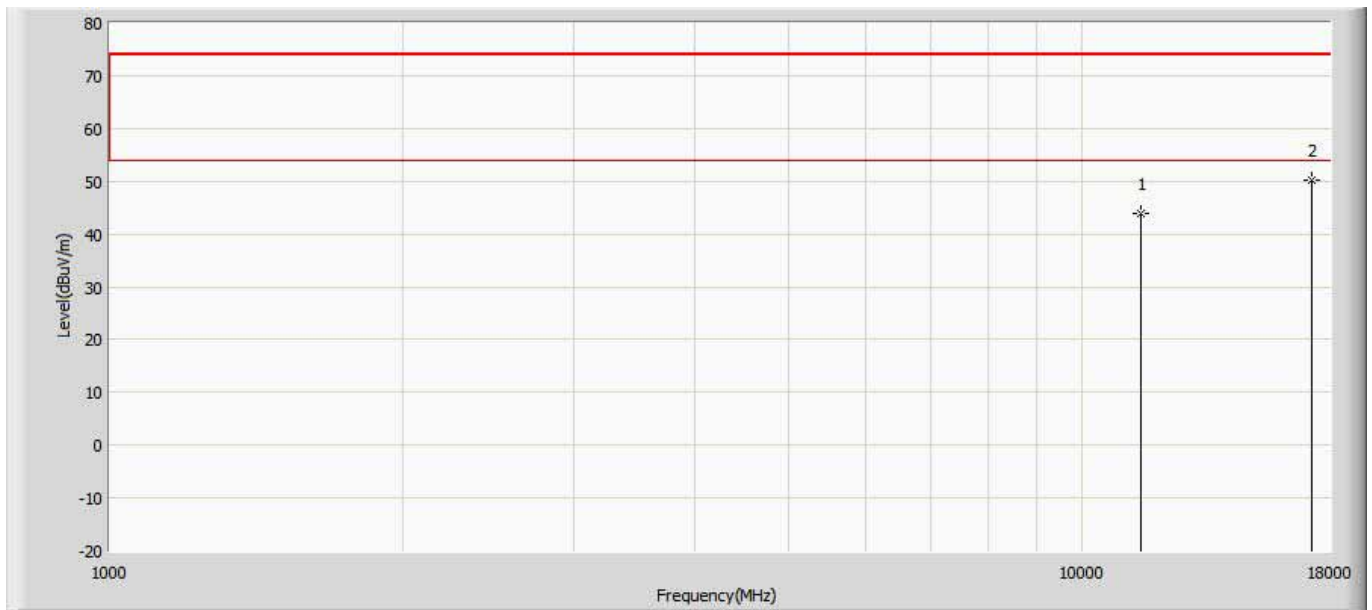
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11400.000	43.413	36.022	-30.587	74.000	7.391	PK
2	*	17100.000	51.091	37.634	-22.909	74.000	13.457	PK

Profile: Honeywell	Page No.: 254
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:35
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 802.11n20	



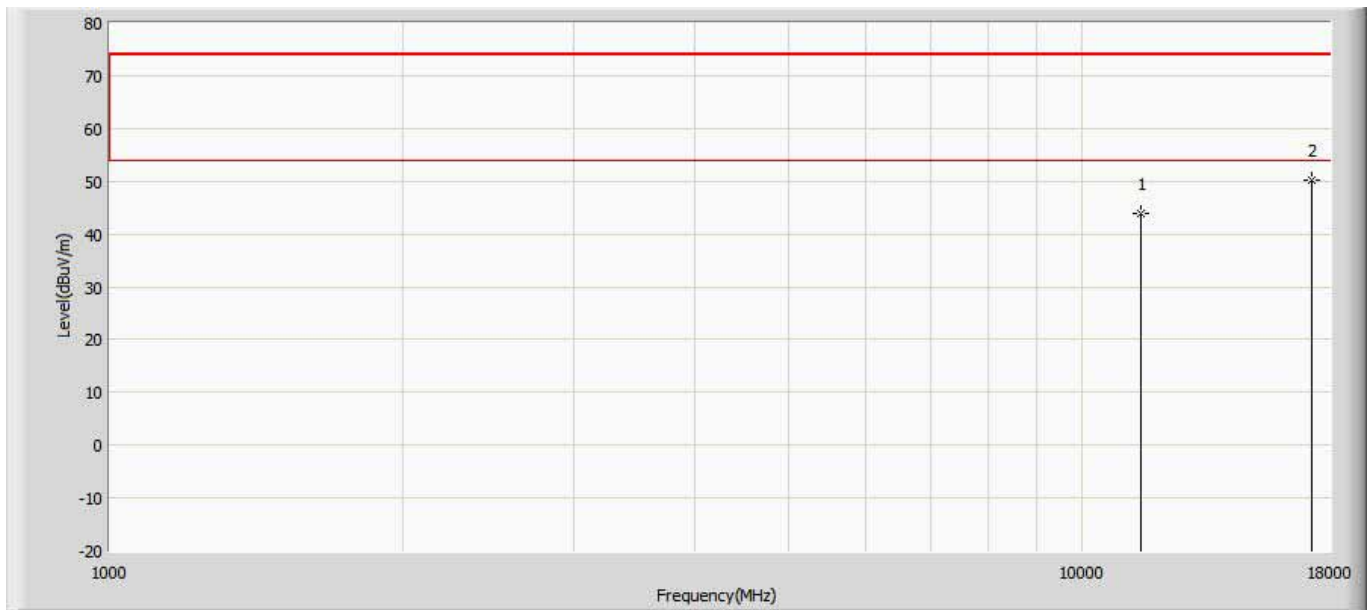
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11400.000	43.154	35.763	-30.846	74.000	7.391	PK
2	*	17100.000	50.075	36.618	-23.925	74.000	13.457	PK

Profile: Honeywell	Page No.: 255
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:35
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 802.11n20	



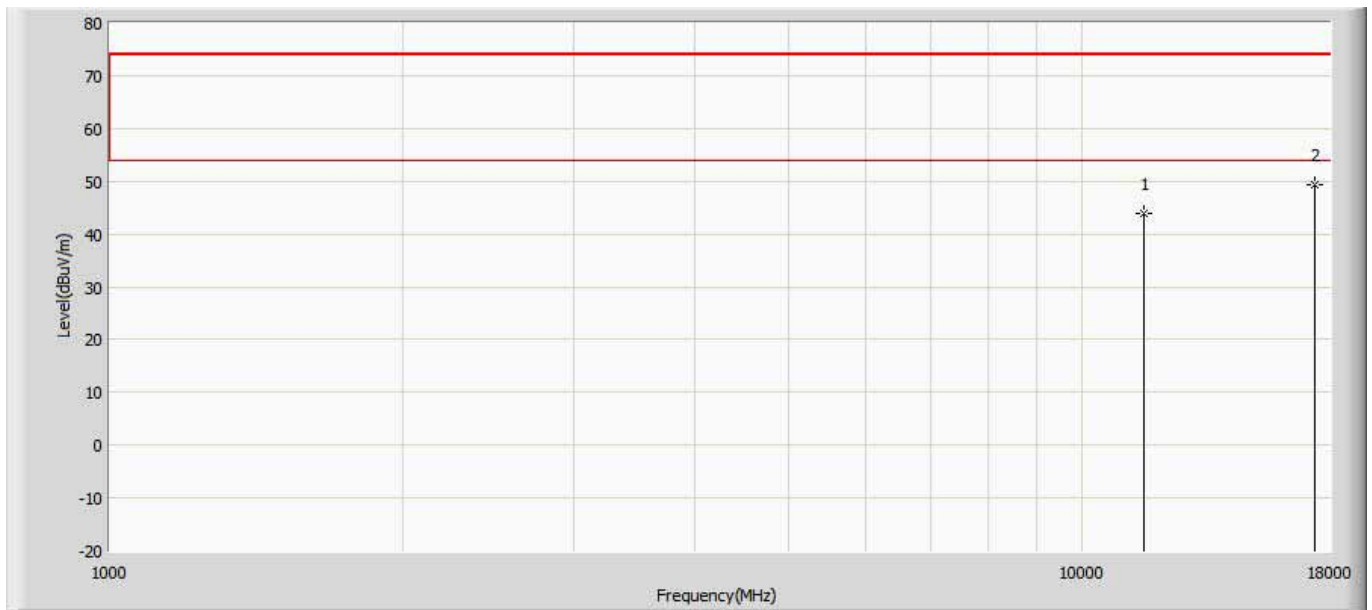
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11490.000	43.816	37.275	-30.184	74.000	6.541	PK
2	*	17235.000	50.278	37.140	-23.722	74.000	13.138	PK

Profile: Honeywell	Page No.: 256
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:35
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 802.11n20	



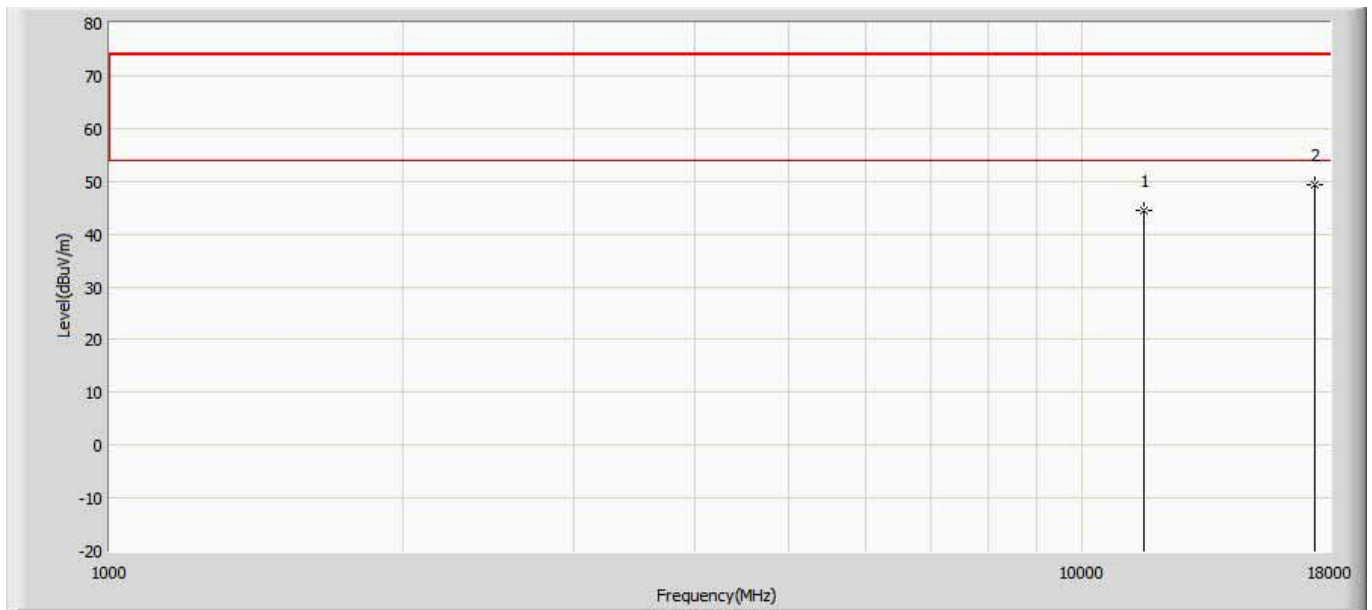
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11490.000	43.995	37.454	-30.005	74.000	6.541	PK
2	*	17235.000	50.291	37.153	-23.709	74.000	13.138	PK

Profile: Honeywell	Page No.: 257
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:35
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 802.11n20	



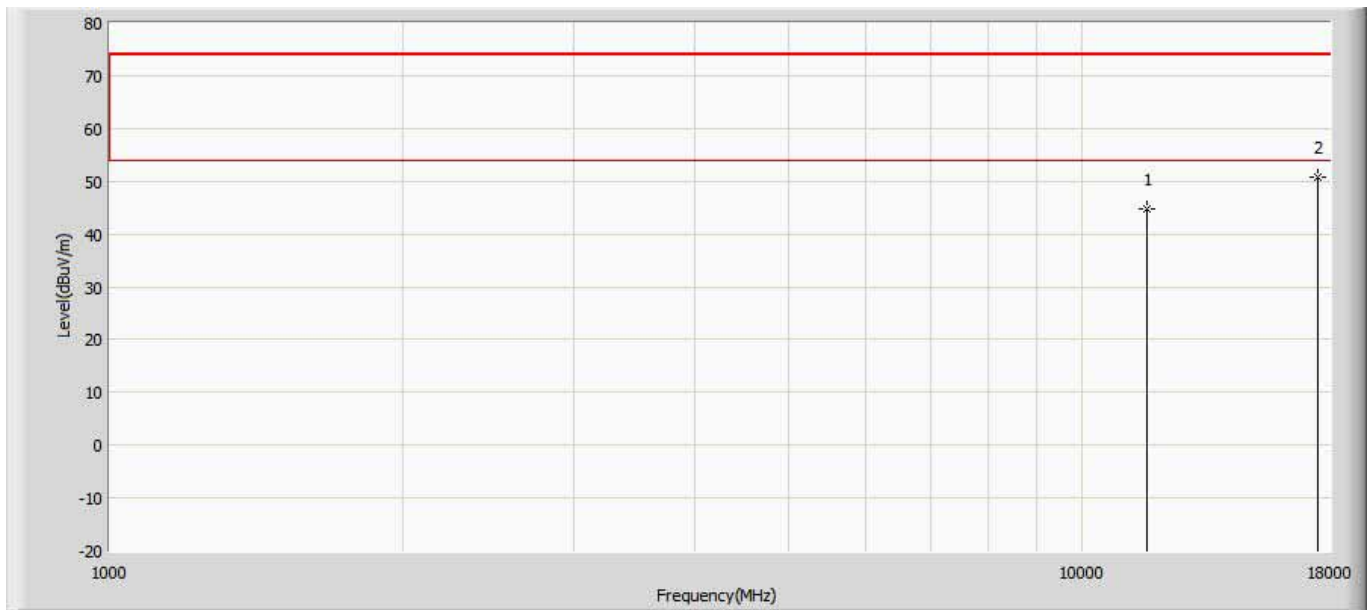
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11570.000	43.922	35.469	-30.078	74.000	8.453	PK
2	*	17355.000	49.267	35.956	-24.733	74.000	13.311	PK

Profile: Honeywell	Page No.: 258
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:35
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 802.11n20	



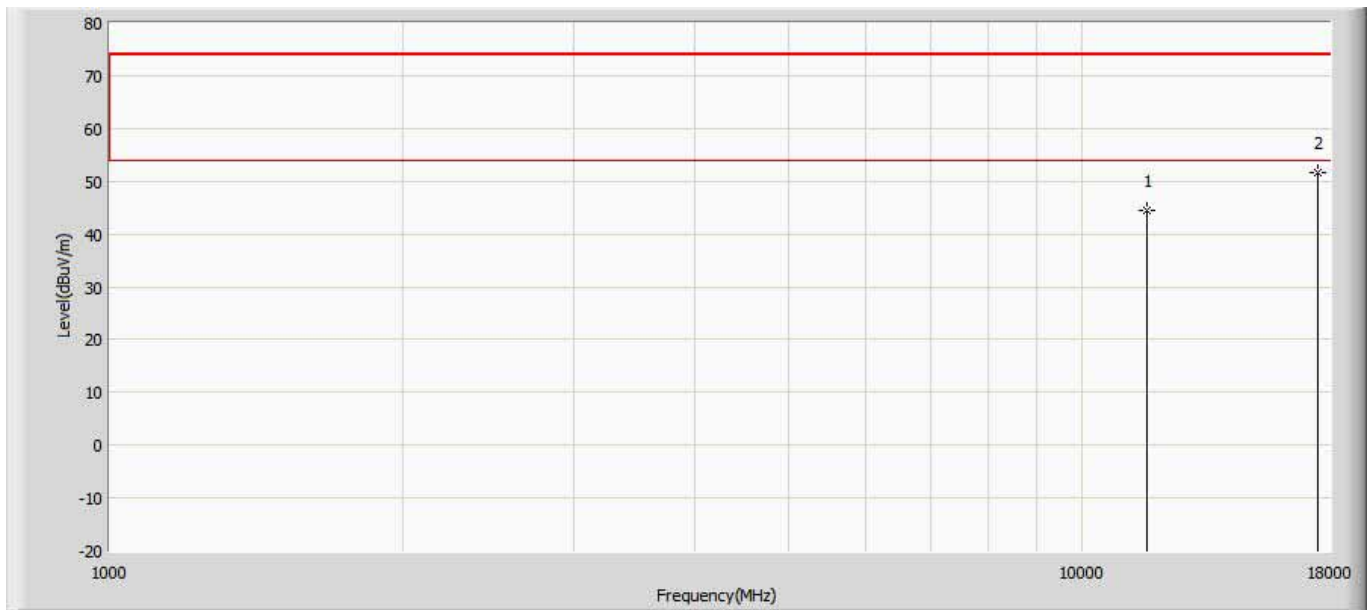
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11570.000	44.327	35.874	-29.673	74.000	8.453	PK
2	*	17355.000	49.392	36.081	-24.608	74.000	13.311	PK

Profile: Honeywell	Page No.: 259
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:35
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 802.11n20	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11650.000	44.624	37.620	-29.376	74.000	7.004	PK
2	*	17475.000	50.854	37.378	-23.146	74.000	13.476	PK

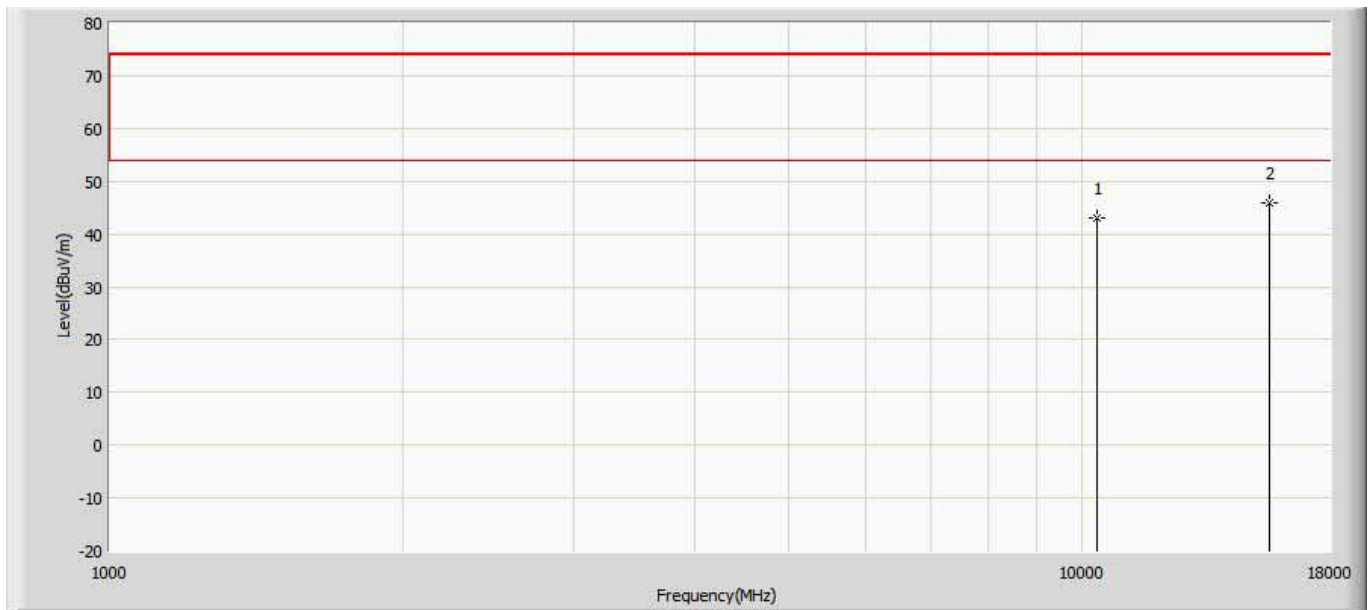
Profile: Honeywell	Page No.: 260
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:35
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 5825MHz 802.11n20	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11650.000	44.543	37.539	-29.457	74.000	7.004	PK
2	*	17475.000	51.737	38.261	-22.263	74.000	13.476	PK

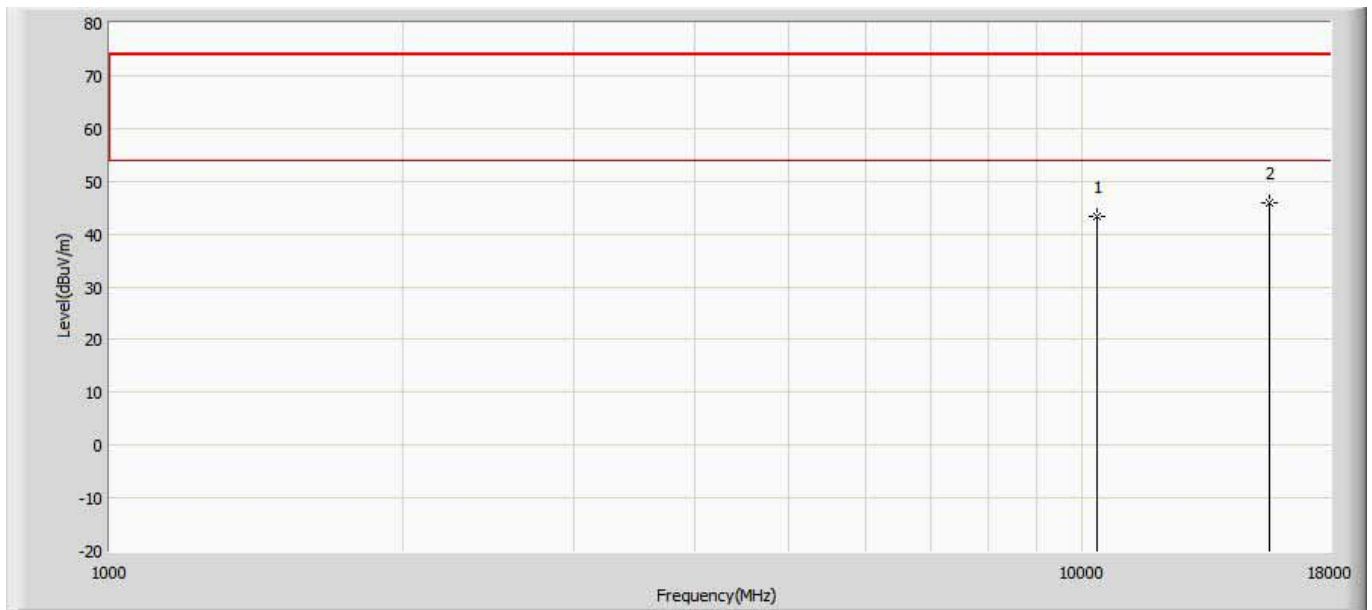


Profile: Honeywell	Page No.: 261
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:35
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 5190MHz 802.11n40	



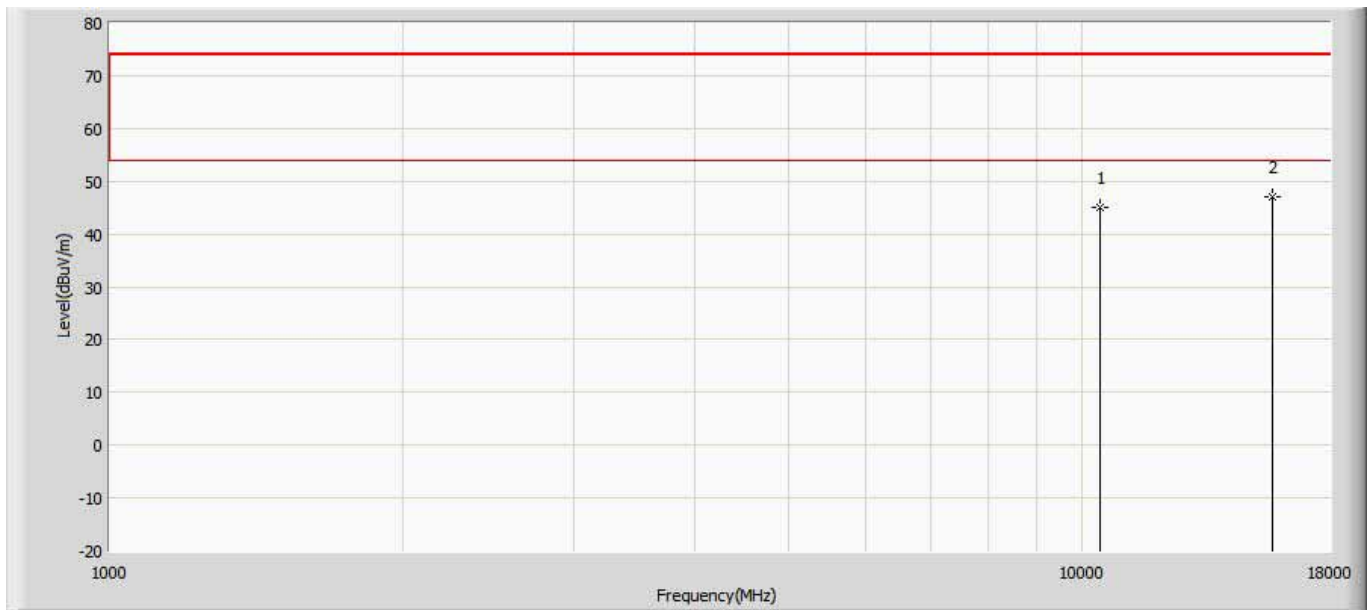
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10380.000	42.919	36.692	-31.081	74.000	6.227	PK
2	*	15570.000	45.830	36.958	-28.170	74.000	8.872	PK

Profile: Honeywell	Page No.: 262
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:36
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 802.11n40	



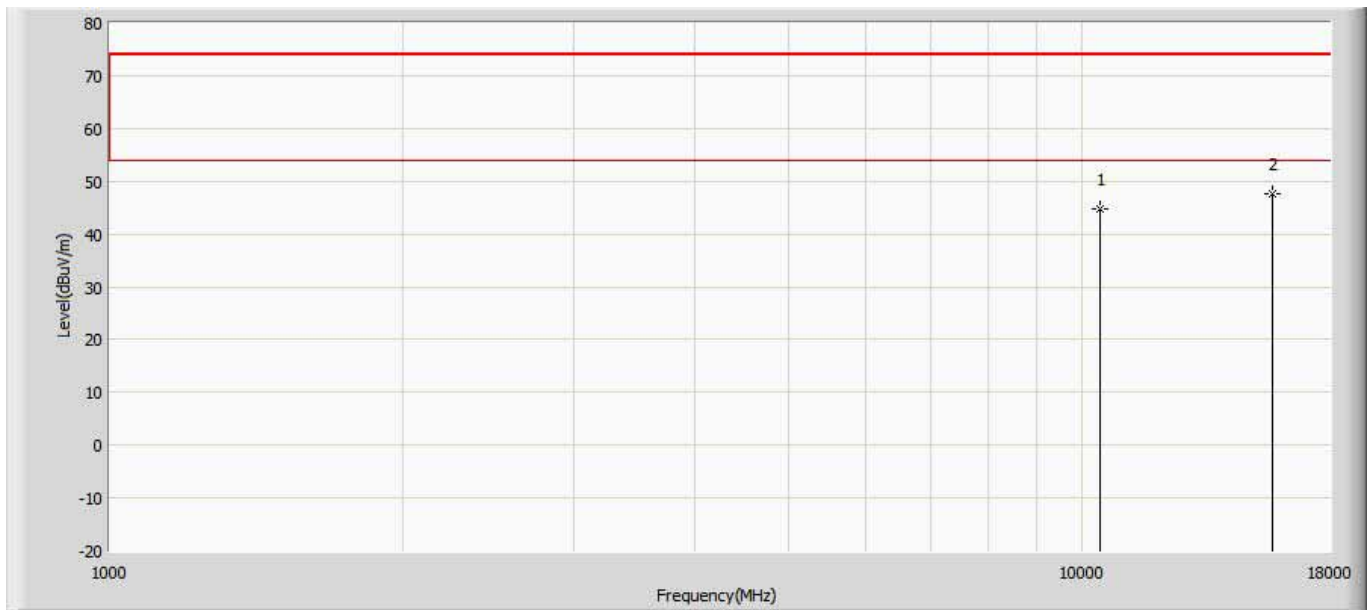
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10380.000	43.399	37.172	-30.601	74.000	6.227	PK
2	*	15570.000	45.793	36.921	-28.207	74.000	8.872	PK

Profile: Honeywell	Page No.: 263
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:36
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 802.11n40	



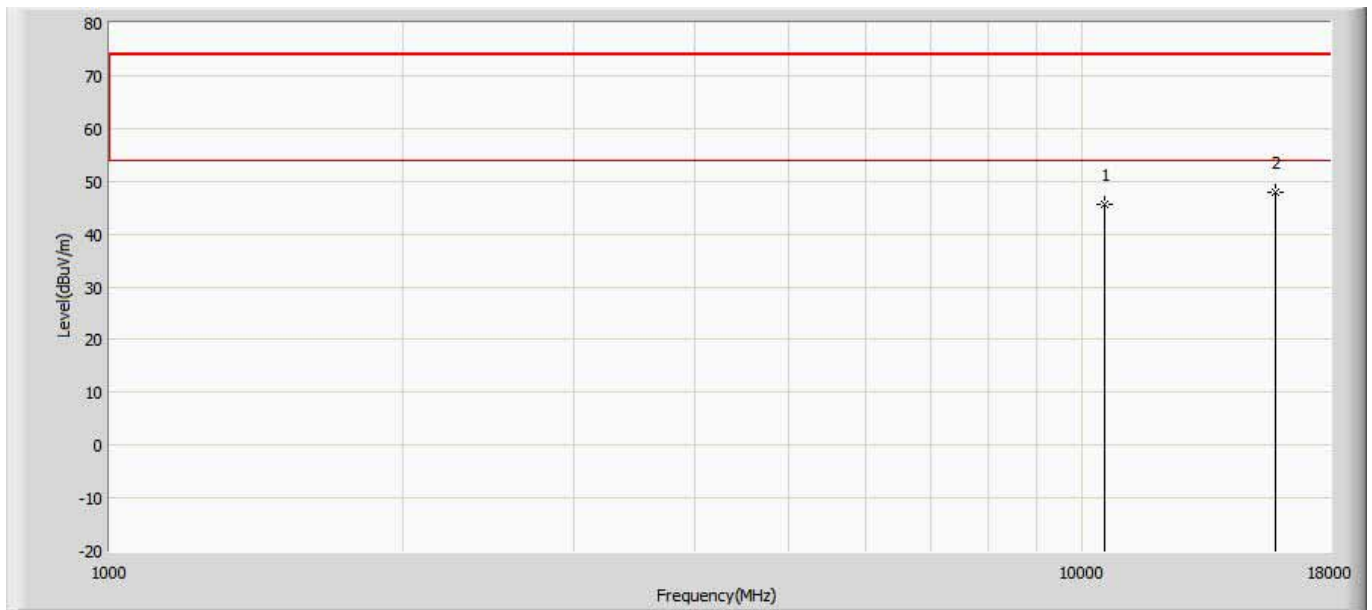
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10460.000	44.968	38.344	-29.032	74.000	6.624	PK
2	*	15690.000	46.985	37.352	-27.015	74.000	9.633	PK

Profile: Honeywell	Page No.: 264
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:36
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 802.11n40	



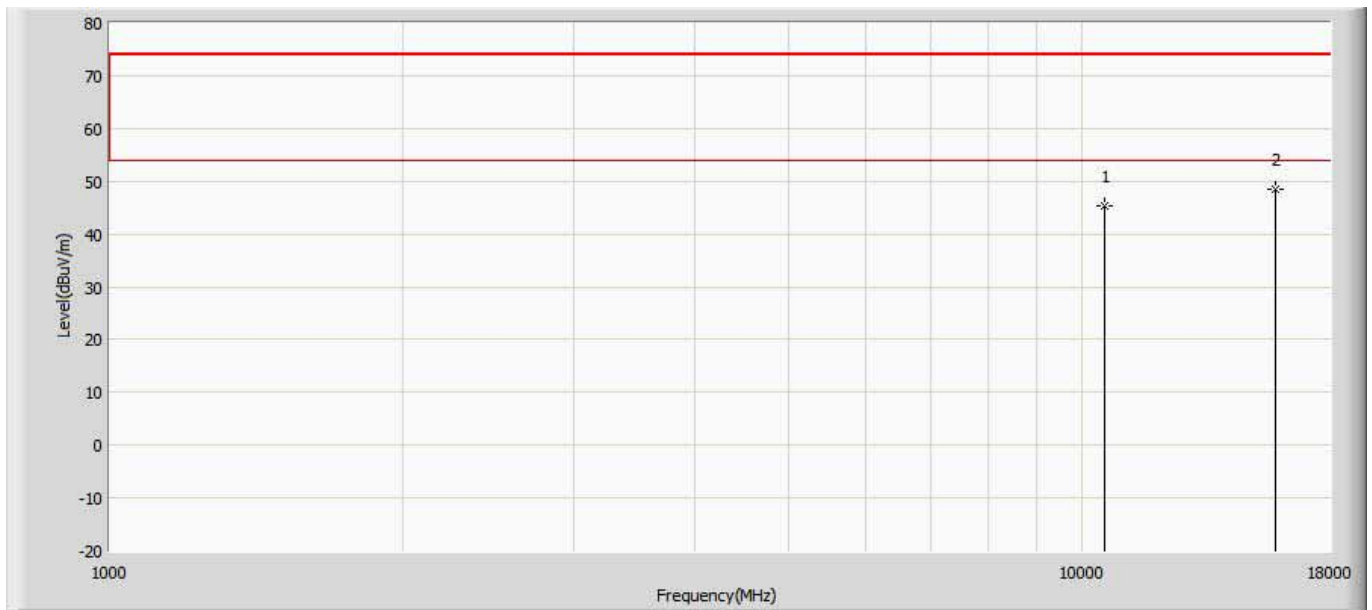
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10460.000	44.847	38.223	-29.153	74.000	6.624	PK
2	*	15690.000	47.723	38.090	-26.277	74.000	9.633	PK

Profile: Honeywell	Page No.: 265
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:36
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 802.11n40	



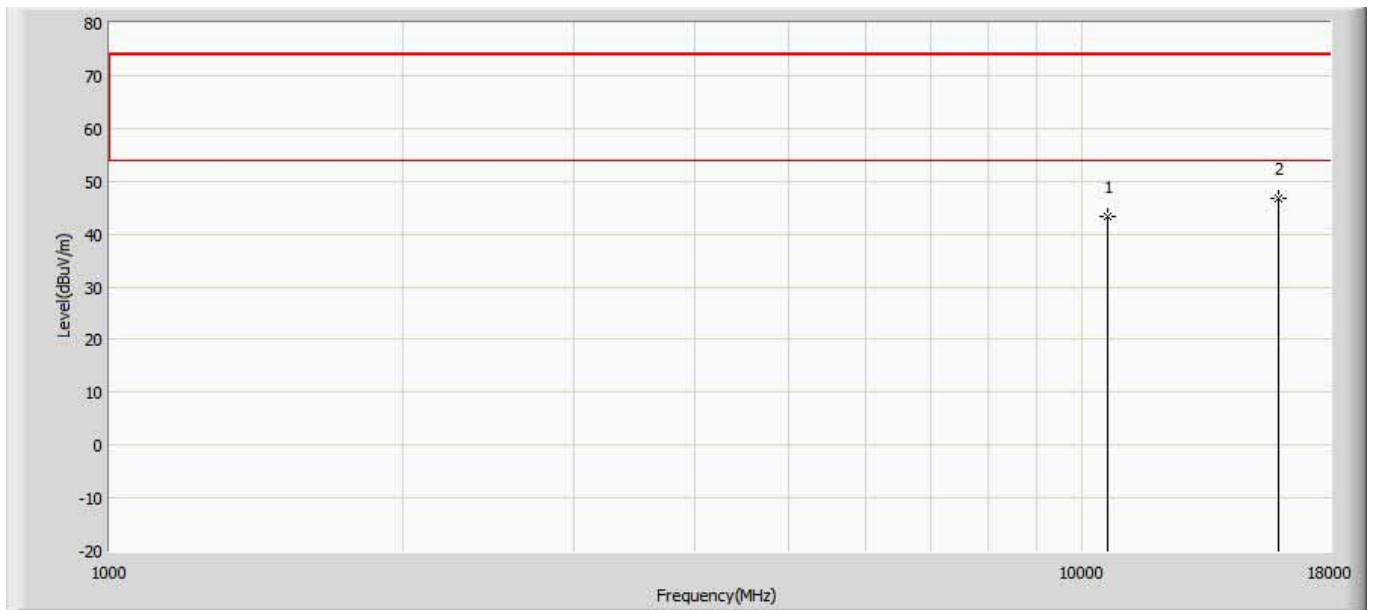
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10540.000	45.723	38.408	-28.277	74.000	7.315	PK
2	*	15810.000	48.038	38.081	-25.962	74.000	9.957	PK

Profile: Honeywell	Page No.: 266
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:36
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 802.11n40	



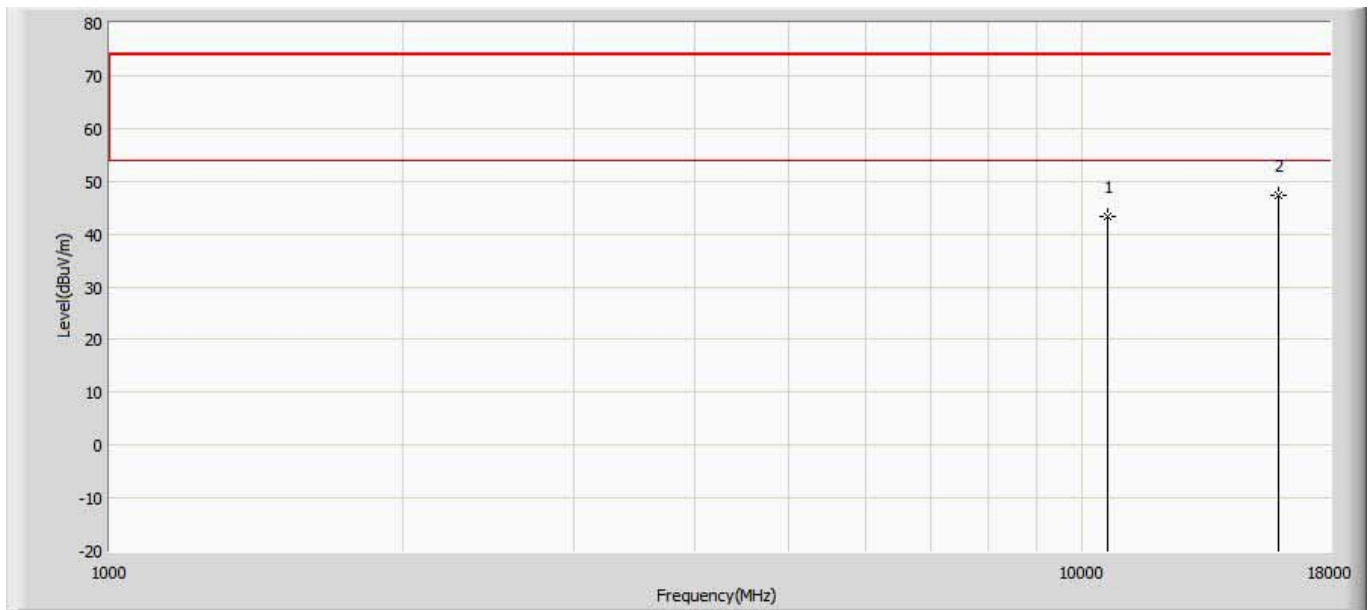
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10540.000	45.360	38.045	-28.640	74.000	7.315	PK
2	*	15810.000	48.426	38.469	-25.574	74.000	9.957	PK

Profile: Honeywell	Page No.: 267
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:36
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 802.11n40	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10620.000	43.406	37.177	-30.594	74.000	6.229	PK
2	*	15930.000	46.658	36.291	-27.342	74.000	10.367	PK

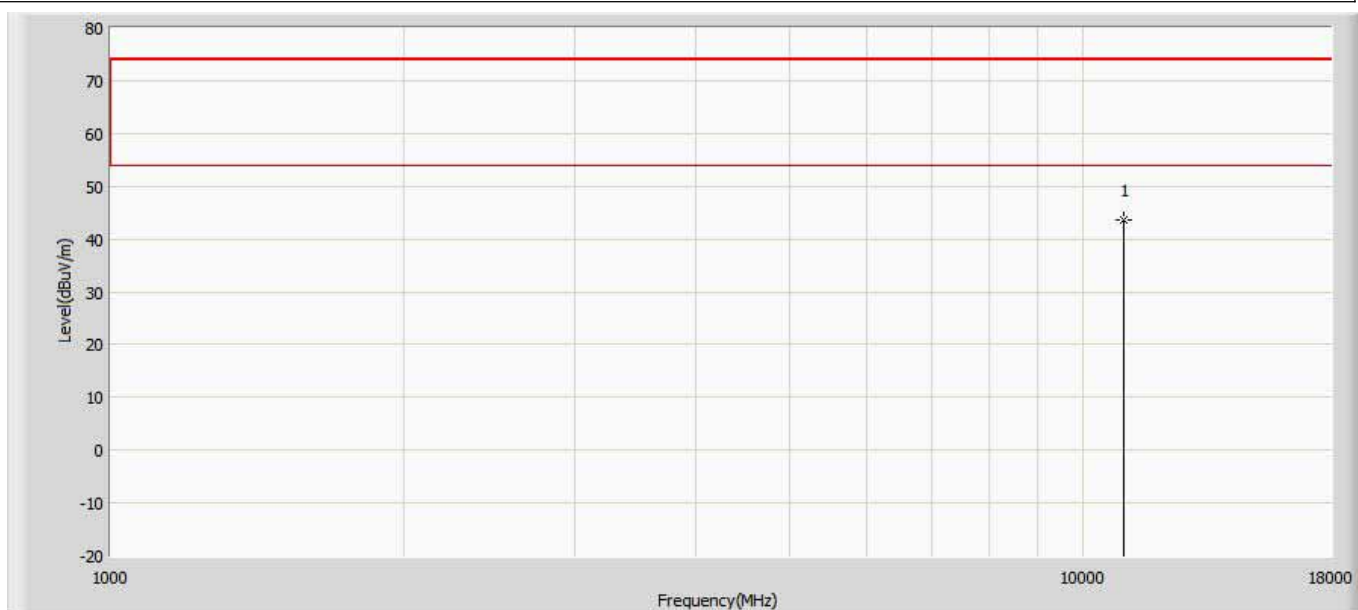
Profile: Honeywell	Page No.: 268
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:36
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 5310MHz 802.11n40	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10620.000	43.415	37.186	-30.585	74.000	6.229	PK
2	*	15930.000	47.200	36.833	-26.800	74.000	10.367	PK

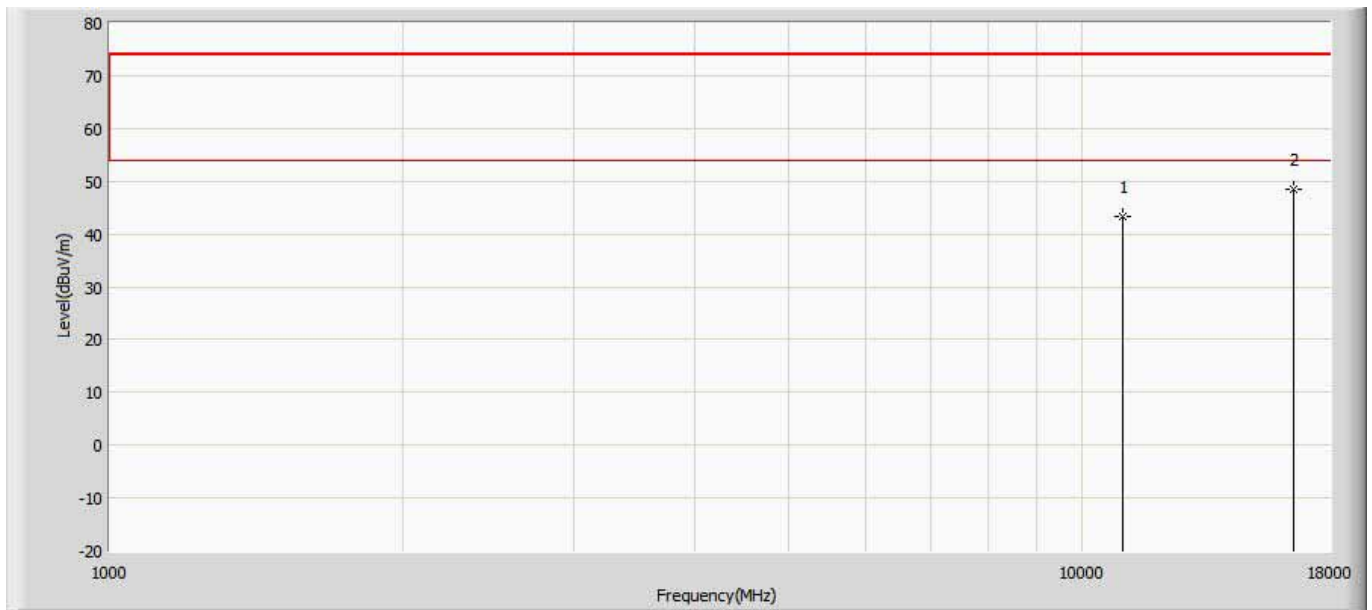


Profile: Honeywell	Page No.: 269
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:36
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 5510MHz 802.11n40	



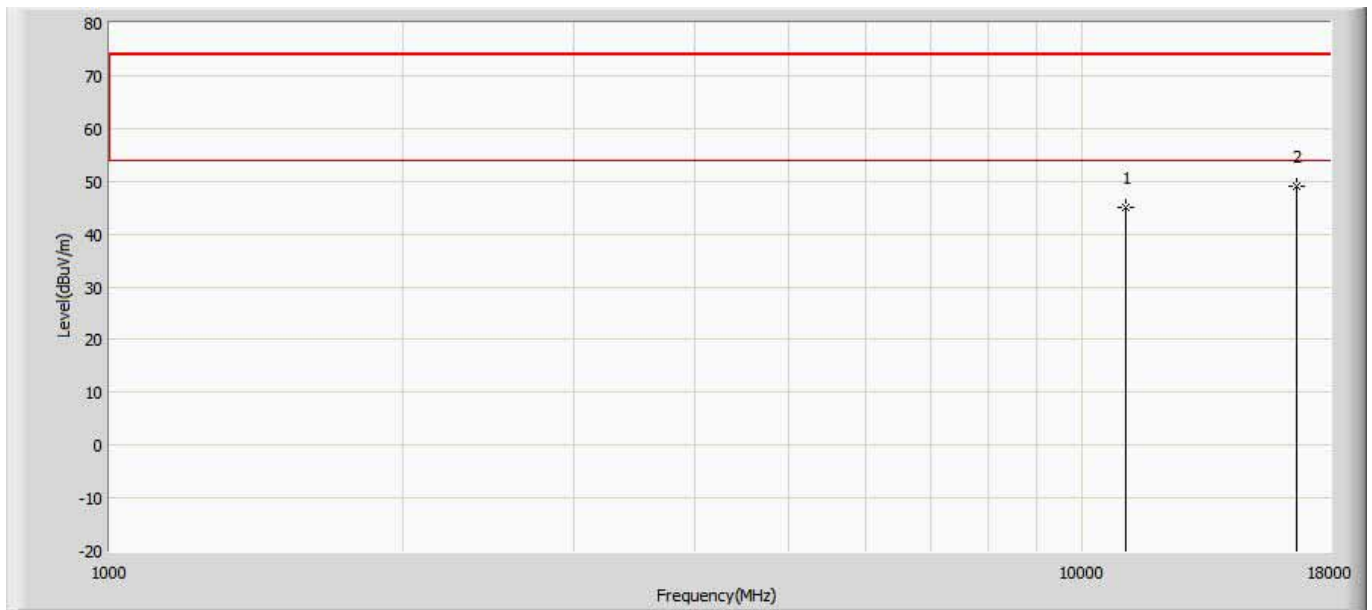
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	11020.000	43.687	36.903	-30.313	74.000	6.784	PK

Profile: Honeywell	Page No.: 270
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:36
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 802.11n40	



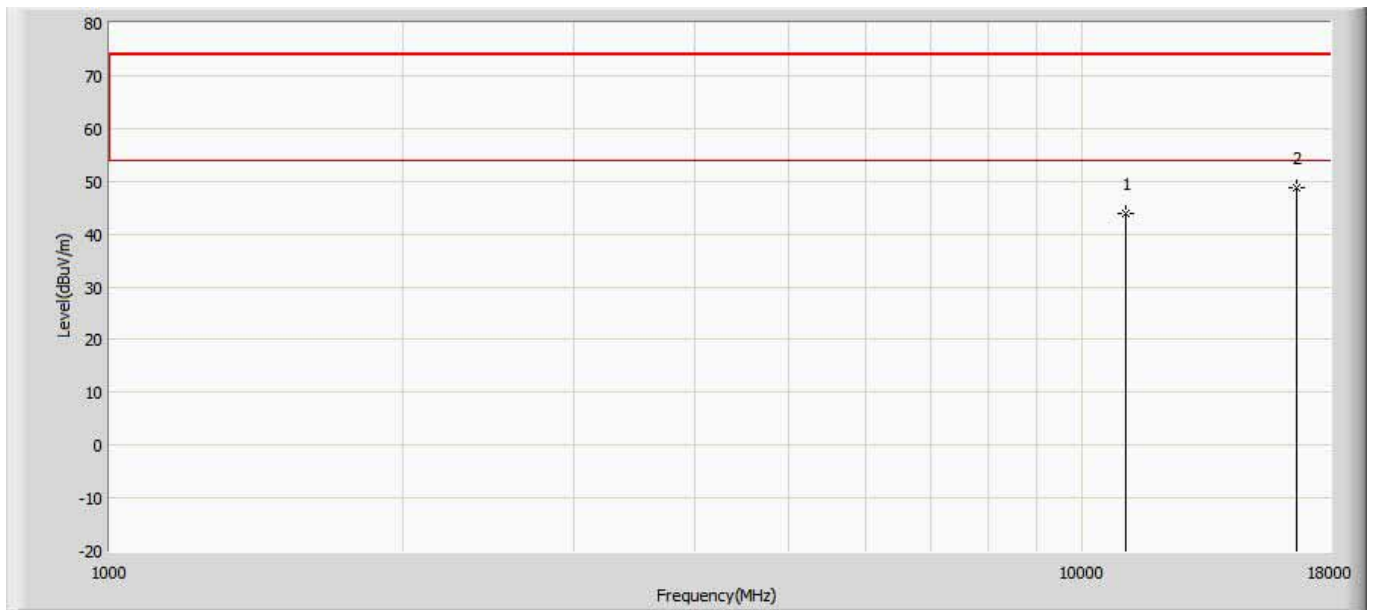
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11020.000	43.427	36.643	-30.573	74.000	6.784	PK
2	*	16530.000	48.493	37.236	-25.507	74.000	11.257	PK

Profile: Honeywell	Page No.: 271
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:36
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 5550MHz 802.11n40	



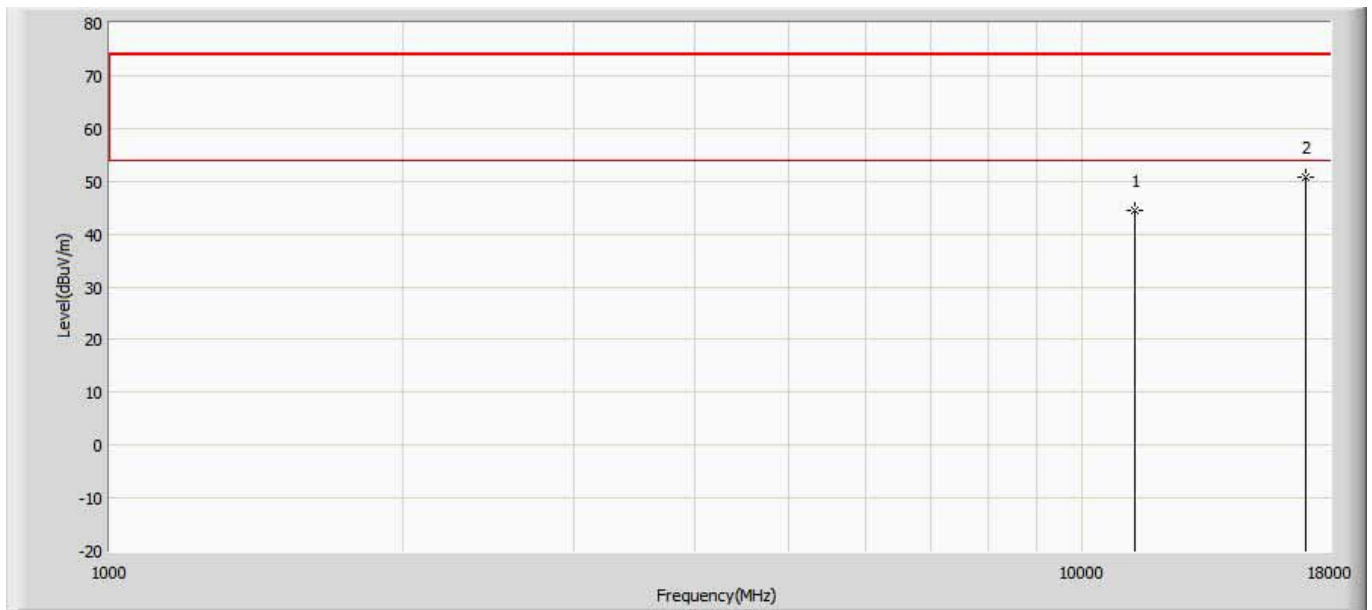
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11100.000	44.928	37.653	-29.072	74.000	7.275	PK
2	*	16650.000	49.189	37.271	-24.811	74.000	11.918	PK

Profile: Honeywell	Page No.: 272
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:37
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 5550MHz 802.11n40	



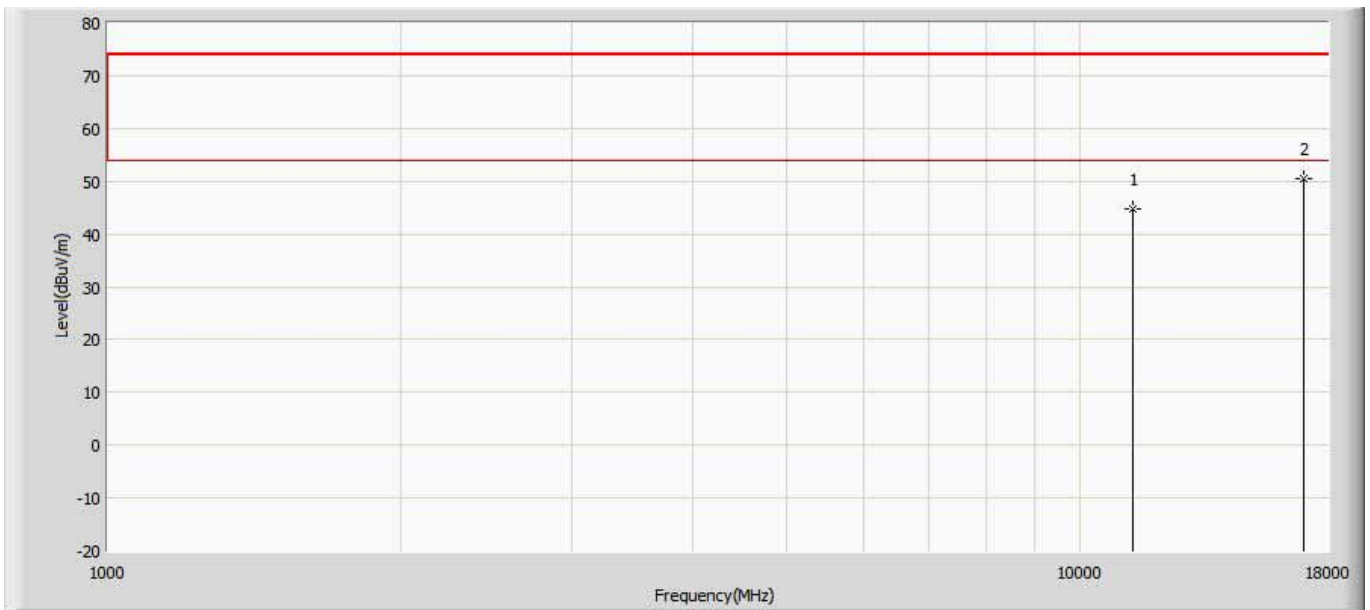
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11100.000	43.877	36.602	-30.123	74.000	7.275	PK
2	*	16650.000	48.771	36.853	-25.229	74.000	11.918	PK

Profile: Honeywell	Page No.: 273
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:37
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 802.11n40	



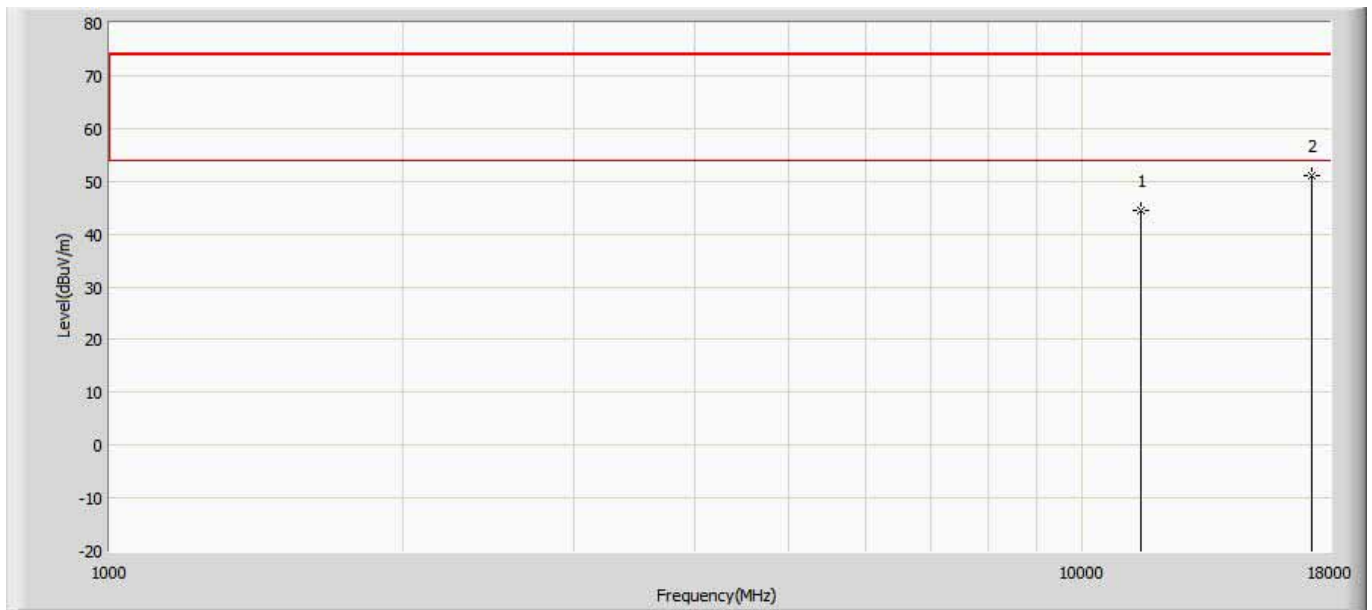
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11340.000	44.543	36.795	-29.457	74.000	7.748	PK
2	*	17010.000	50.707	37.601	-23.293	74.000	13.106	PK

Profile: Honeywell	Page No.: 274
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:37
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 802.11n40	



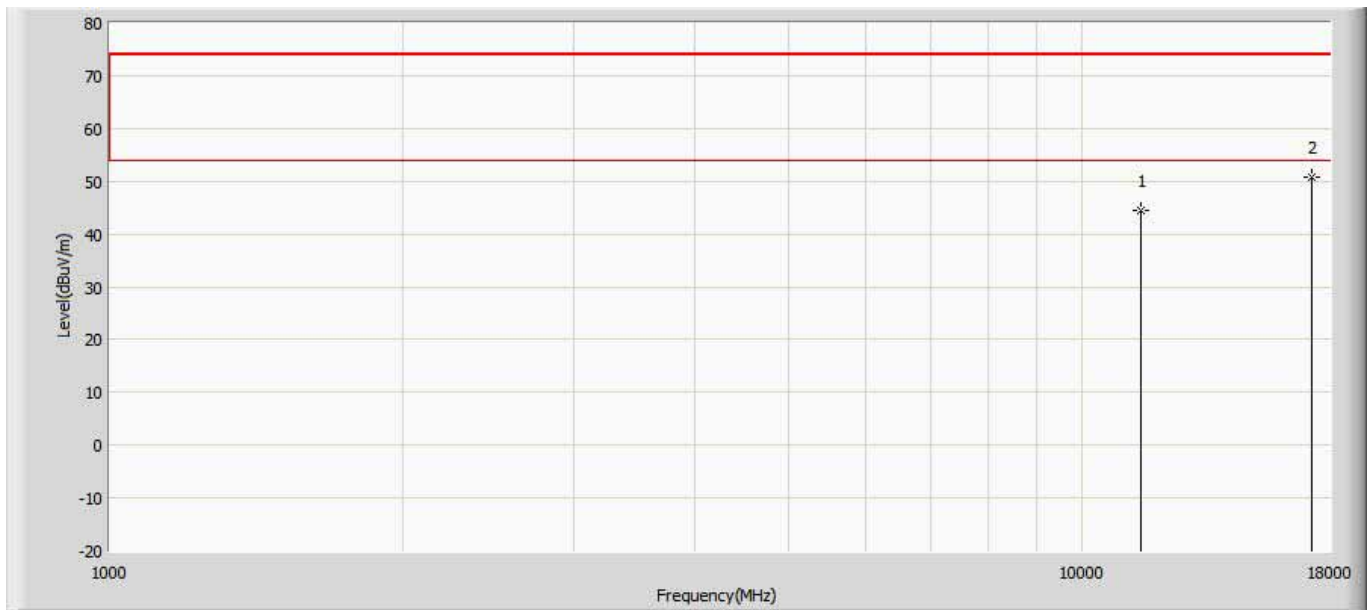
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11340.000	44.838	37.090	-29.162	74.000	7.748	PK
2	*	17010.000	50.433	37.327	-23.567	74.000	13.106	PK

Profile: Honeywell	Page No.: 275
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:37
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 802.11n40	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11510.000	44.435	36.509	-29.565	74.000	7.926	PK
2	*	17265.000	51.087	37.629	-22.913	74.000	13.458	PK

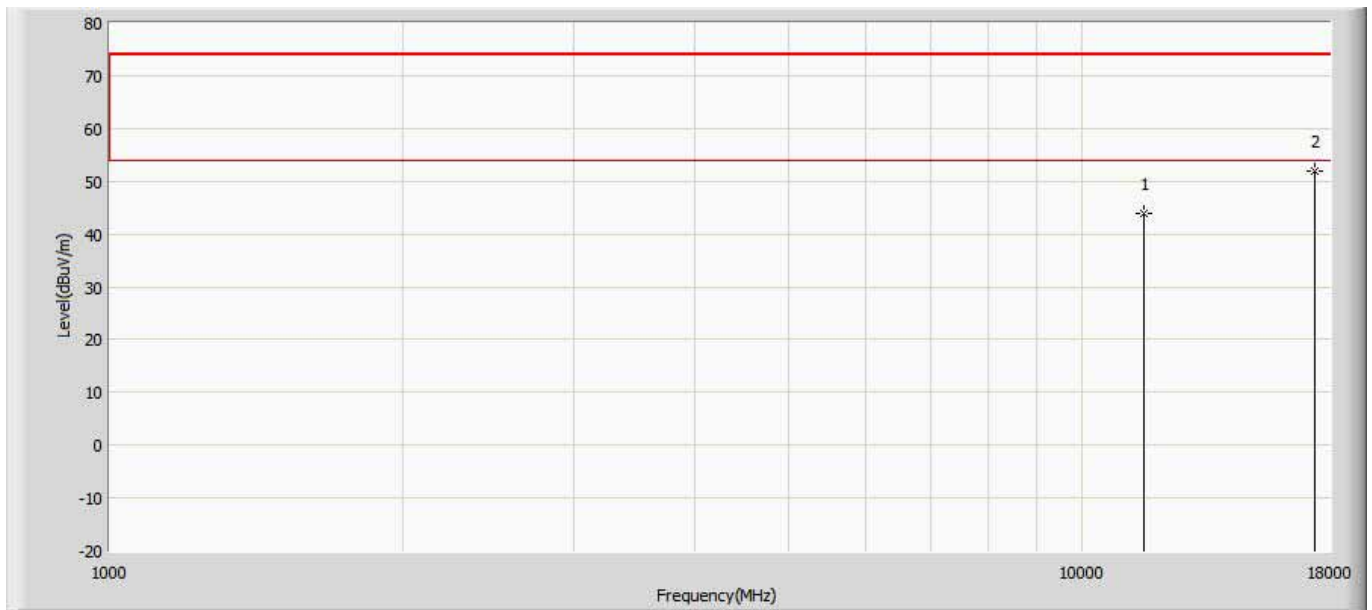
Profile: Honeywell	Page No.: 276
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:37
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 5755MHz 802.11n40	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11510.000	44.519	36.593	-29.481	74.000	7.926	PK
2	*	17265.000	50.711	37.253	-23.289	74.000	13.458	PK

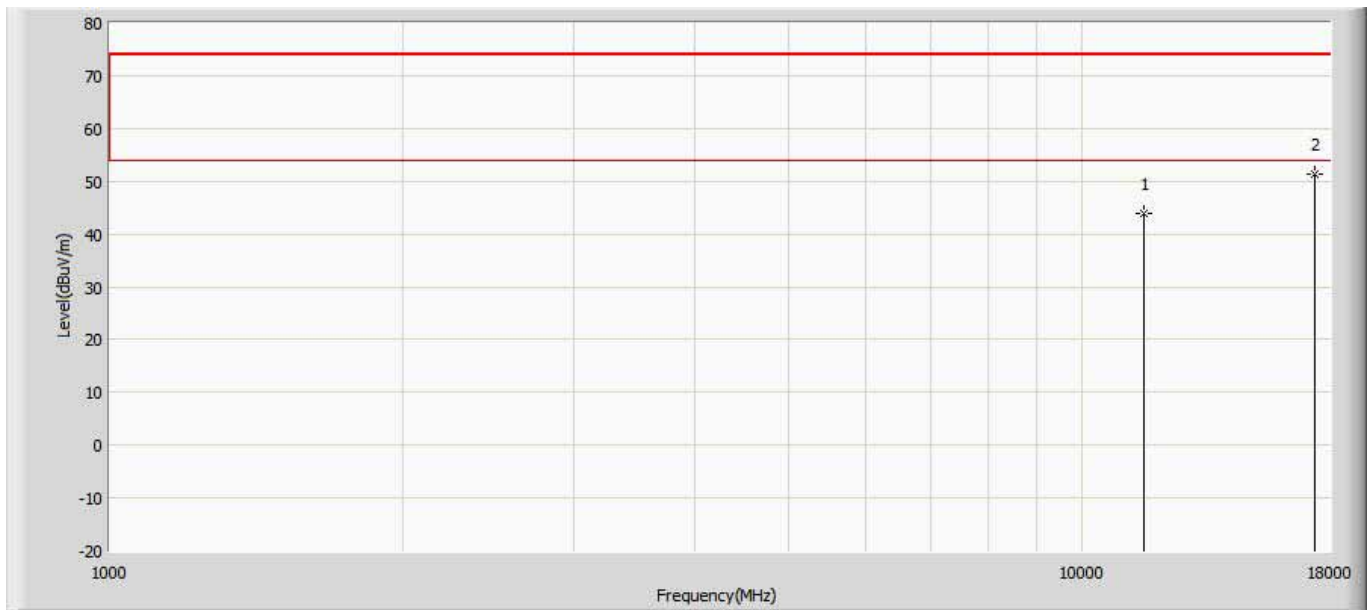


Profile: Honeywell	Page No.: 277
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:37
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 5795MHz 802.11n40	



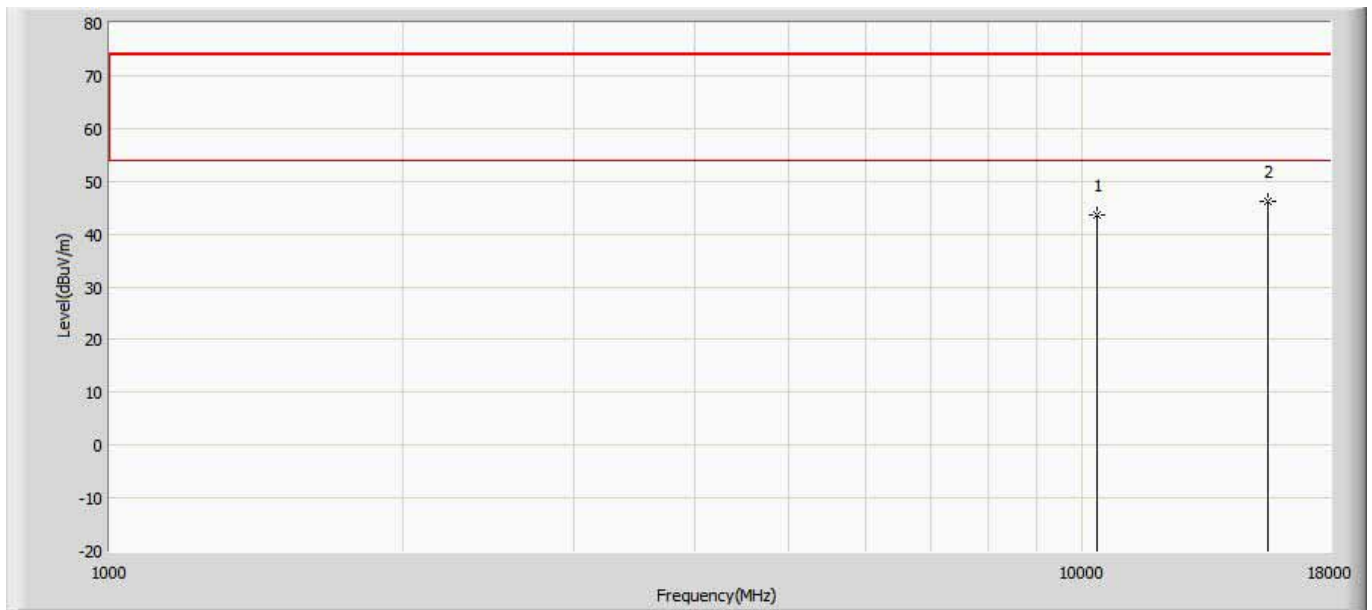
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11590.000	43.992	36.854	-30.008	74.000	7.138	PK
2	*	17385.000	52.035	37.895	-21.965	74.000	14.140	PK

Profile: Honeywell	Page No.: 278
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:37
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 802.11n40	



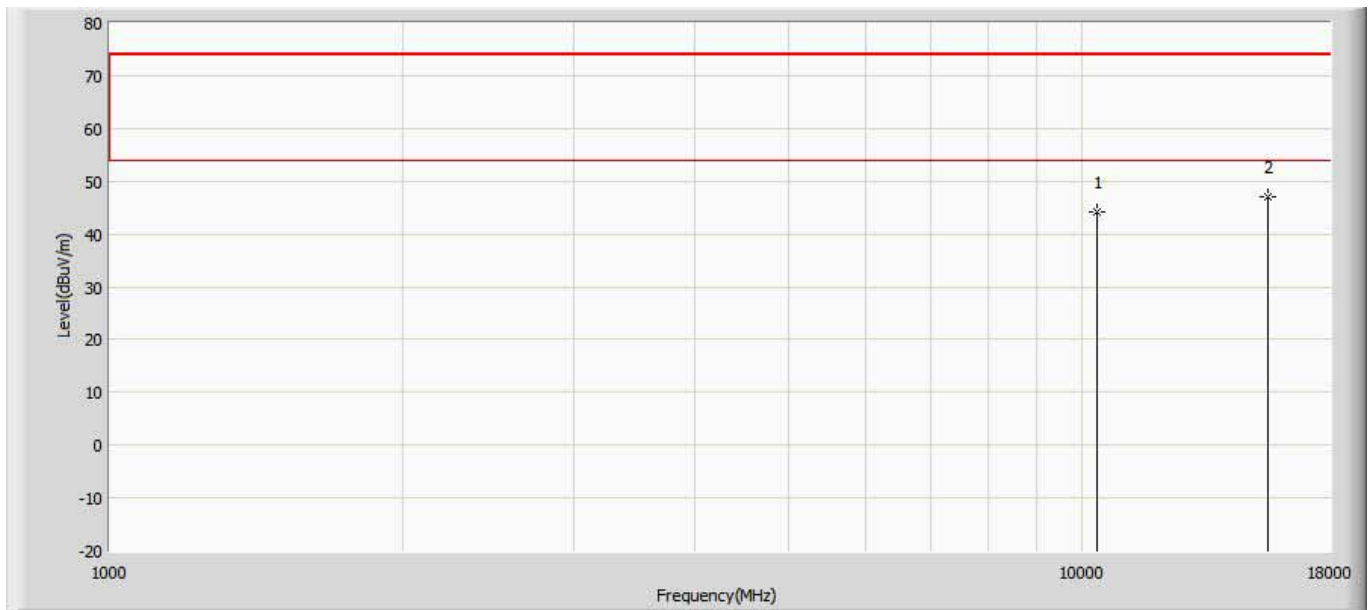
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11590.000	43.918	36.780	-30.082	74.000	7.138	PK
2	*	17385.000	51.458	37.318	-22.542	74.000	14.140	PK

Profile: Honeywell	Page No.: 279
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:37
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 802.11ac20	



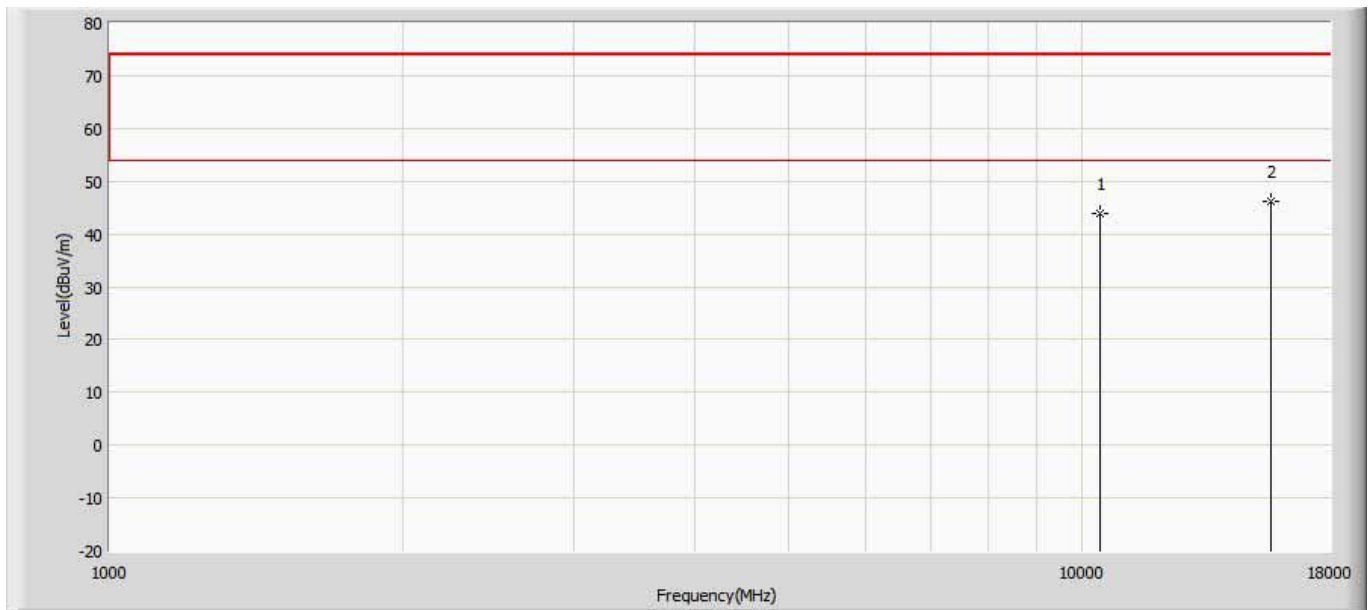
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10360.000	43.482	37.070	-30.518	74.000	6.412	PK
2	*	15540.000	46.220	36.335	-27.780	74.000	9.885	PK

Profile: Honeywell	Page No.: 280
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:37
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 802.11ac20	



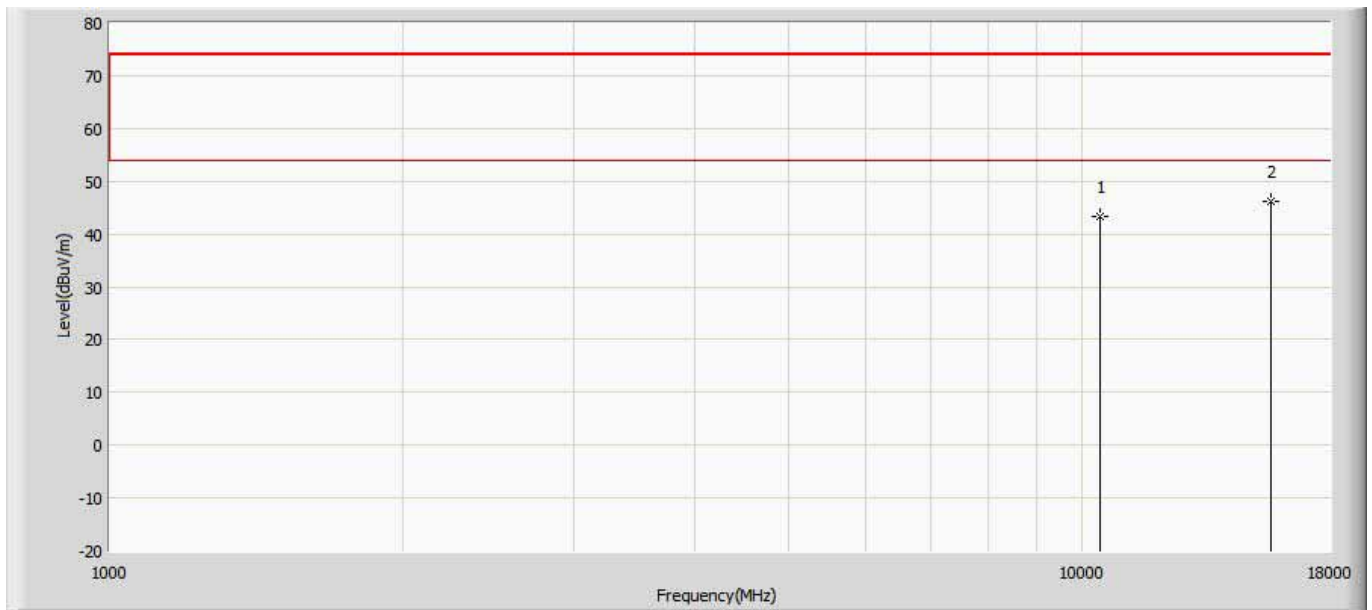
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10360.000	44.170	37.758	-29.830	74.000	6.412	PK
2	*	15540.000	47.006	37.121	-26.994	74.000	9.885	PK

Profile: Honeywell	Page No.: 281
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:38
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 802.11ac20	



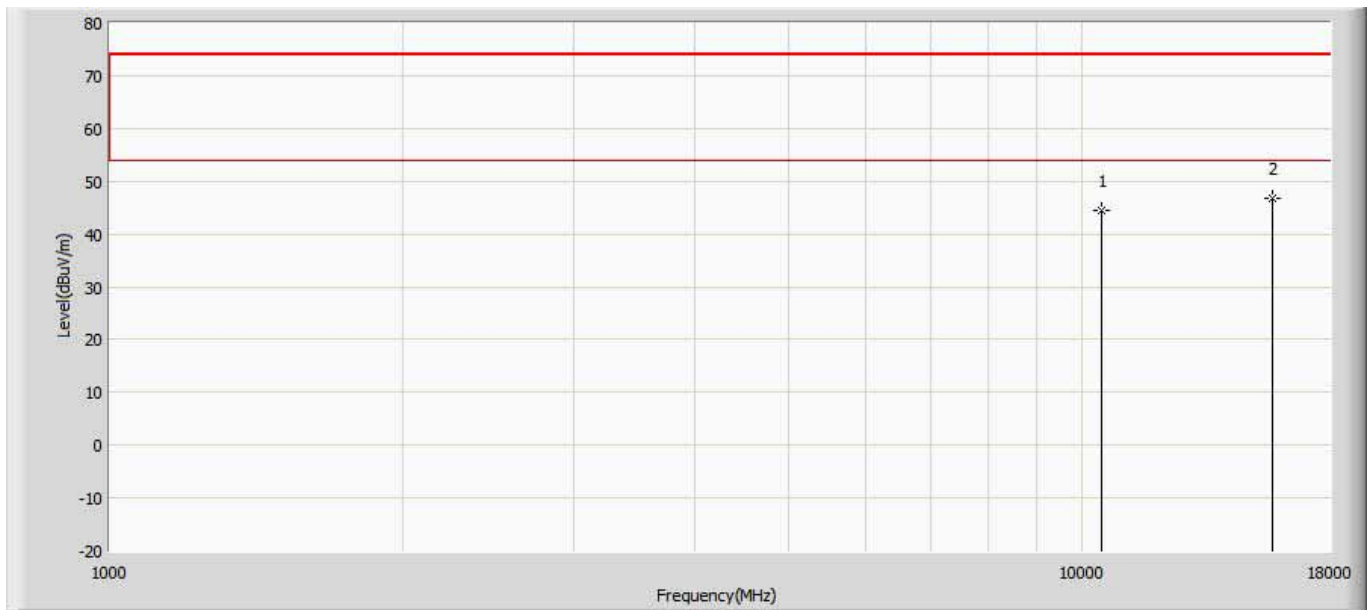
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10440.000	43.791	37.368	-30.209	74.000	6.423	PK
2	*	15660.000	46.294	36.567	-27.706	74.000	9.727	PK

Profile: Honeywell	Page No.: 282
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:38
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 802.11ac20	



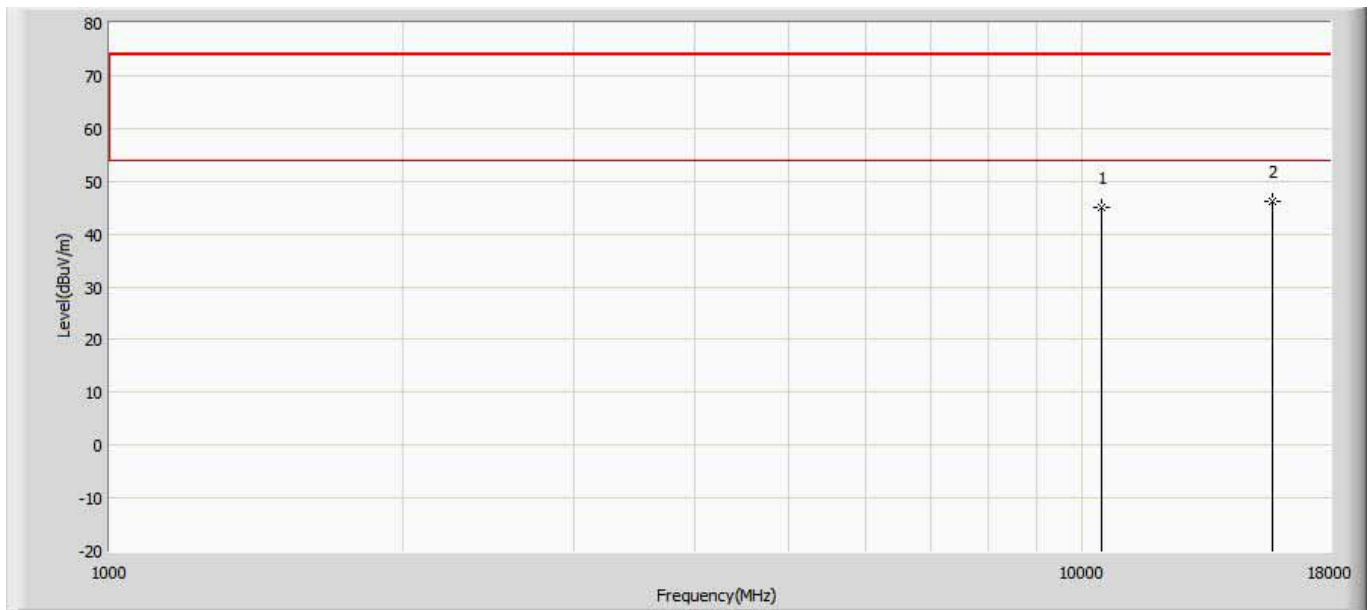
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10440.000	43.430	37.007	-30.570	74.000	6.423	PK
2	*	15660.000	46.123	36.396	-27.877	74.000	9.727	PK

Profile: Honeywell	Page No.: 283
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:38
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 802.11ac20	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10480.000	44.498	37.687	-29.502	74.000	6.811	PK
2	*	15720.000	46.647	37.328	-27.353	74.000	9.319	PK

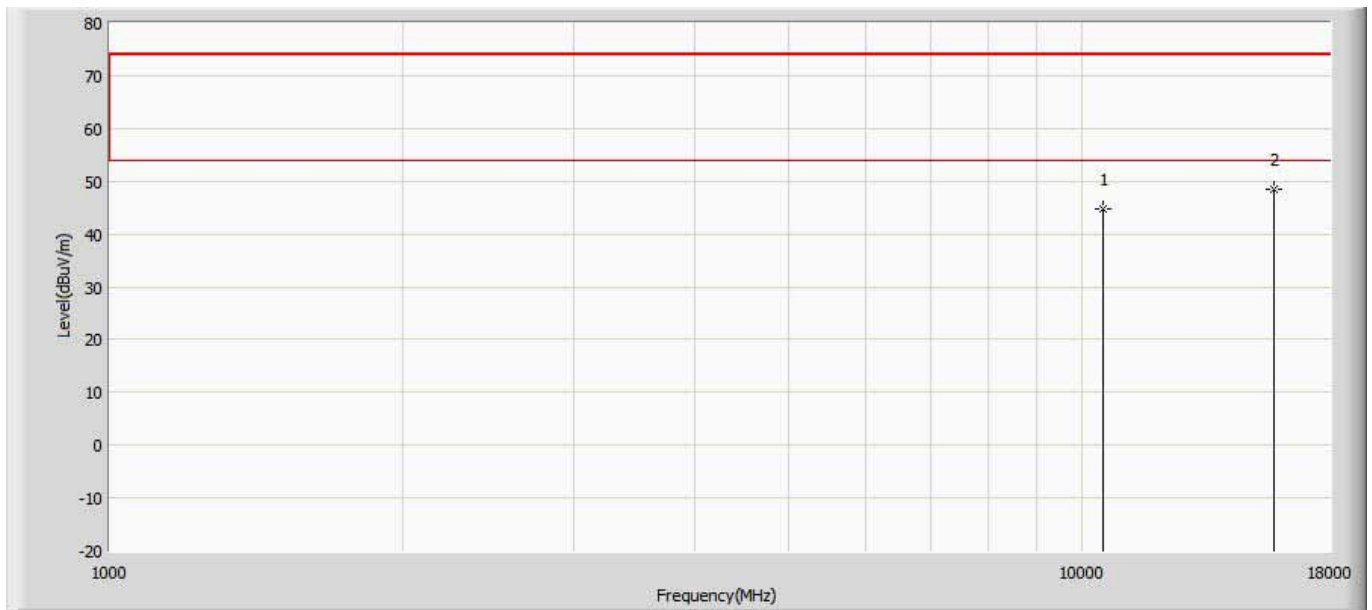
Profile: Honeywell	Page No.: 284
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:38
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 5240MHz 802.11ac20	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10480.000	45.098	38.287	-28.902	74.000	6.811	PK
2	*	15720.000	46.315	36.996	-27.685	74.000	9.319	PK

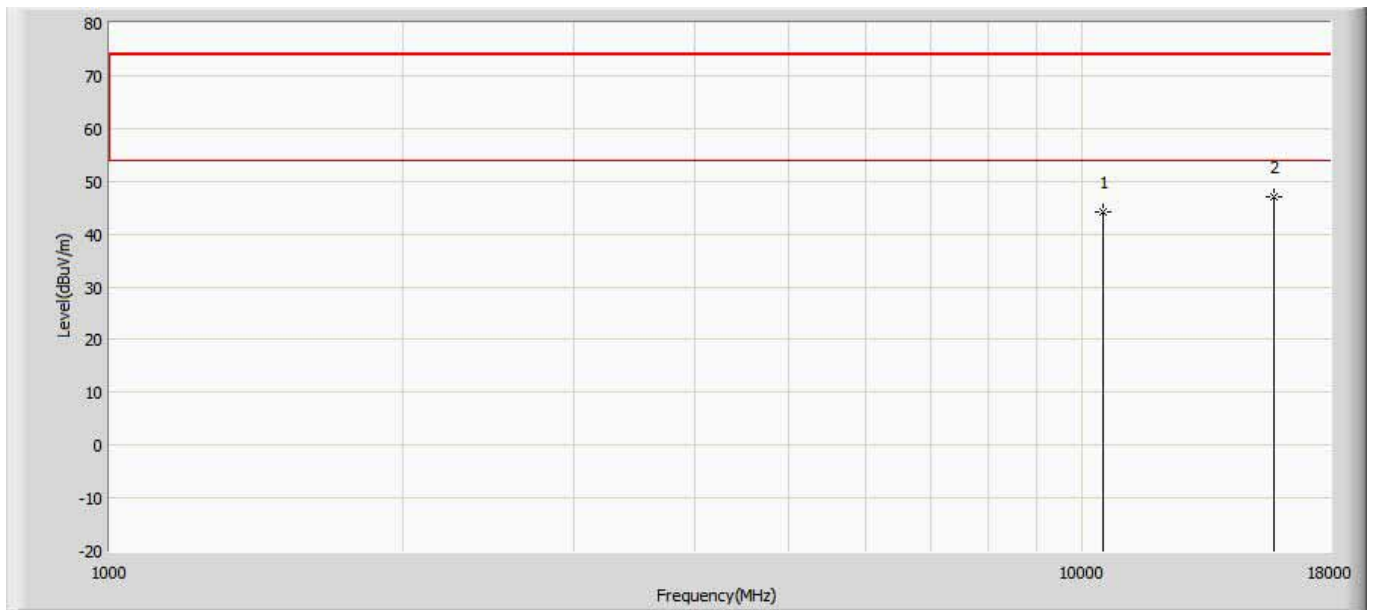


Profile: Honeywell	Page No.: 285
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:38
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 5260MHz 802.11ac20	



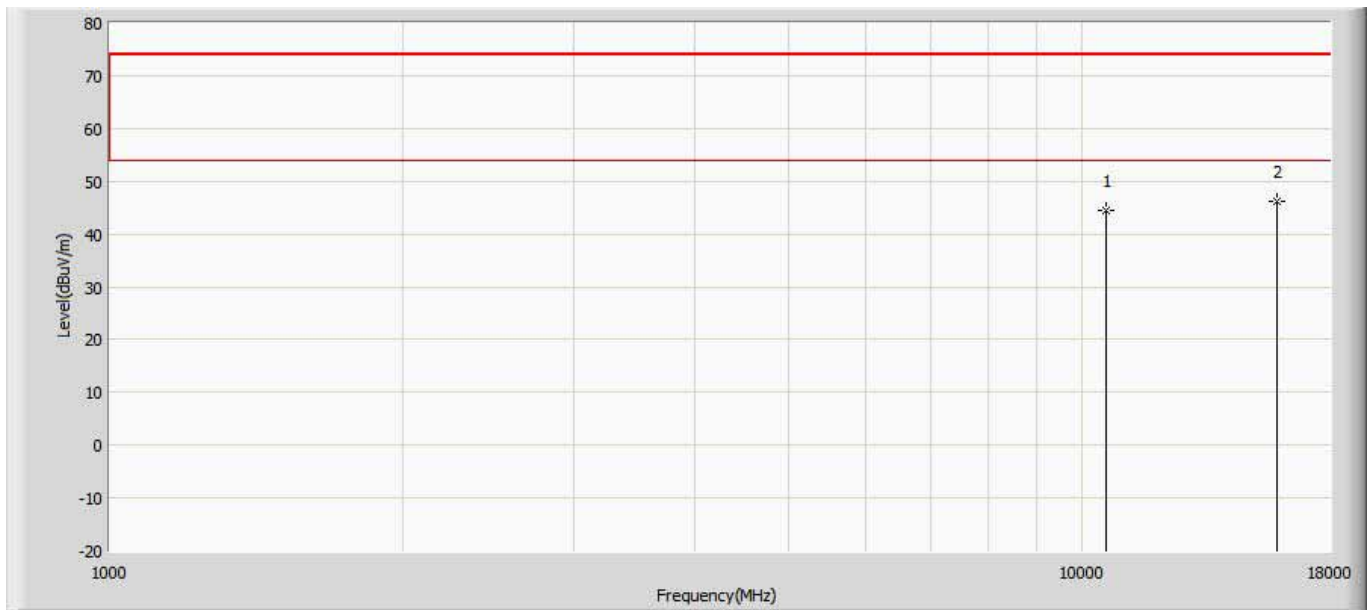
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10520.000	44.615	38.352	-29.385	74.000	6.263	PK
2	*	15780.000	48.524	39.308	-25.476	74.000	9.216	PK

Profile: Honeywell	Page No.: 286
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:38
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 802.11ac20	



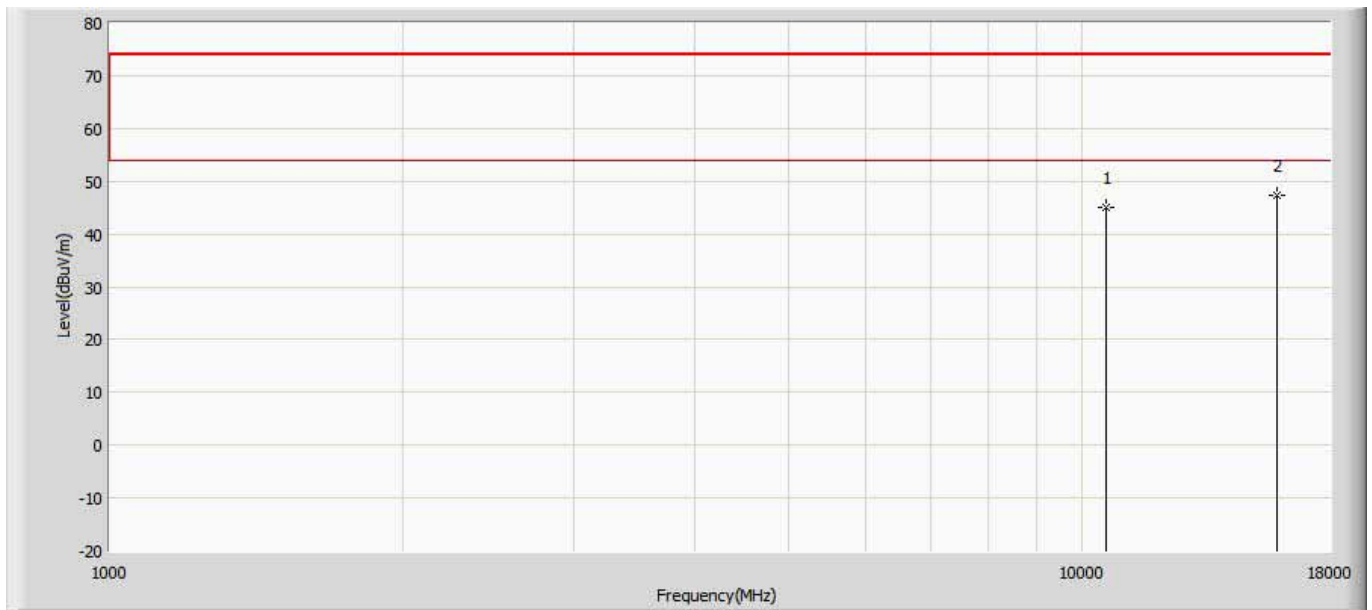
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10520.000	44.210	37.947	-29.790	74.000	6.263	PK
2	*	15780.000	47.144	37.928	-26.856	74.000	9.216	PK

Profile: Honeywell	Page No.: 287
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:38
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 802.11ac20	



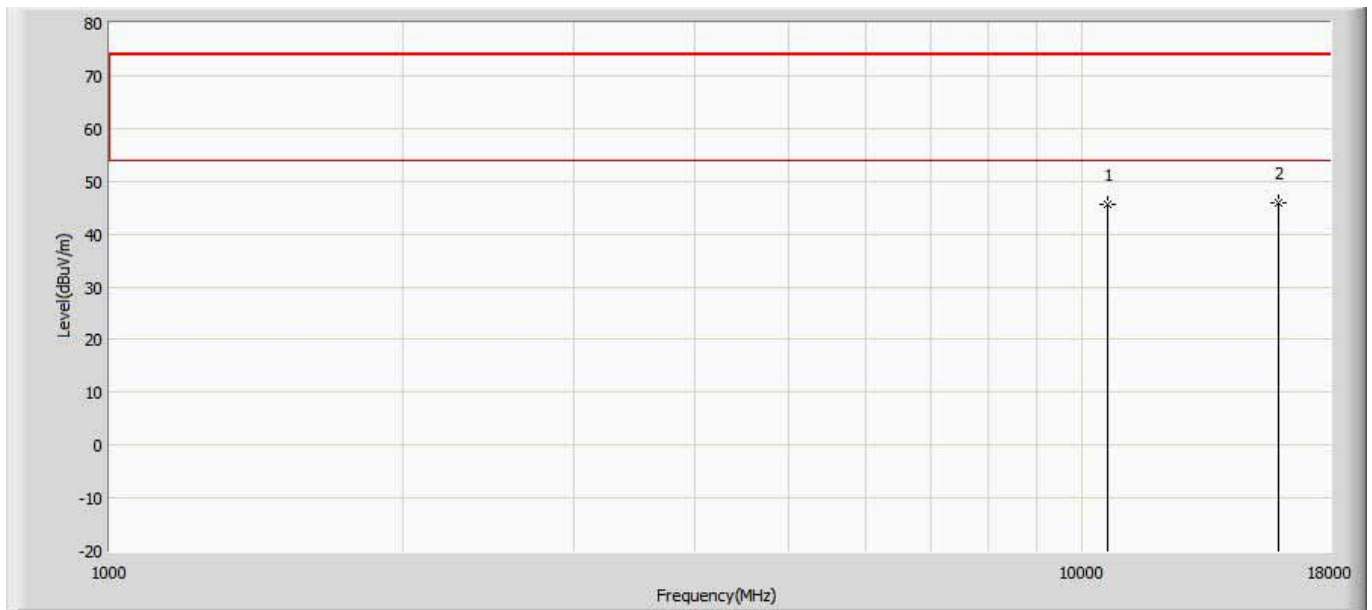
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10600.000	44.505	37.408	-29.495	74.000	7.097	PK
2	*	15900.000	46.200	36.994	-27.800	74.000	9.206	PK

Profile: Honeywell	Page No.: 288
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:38
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 802.11ac20	



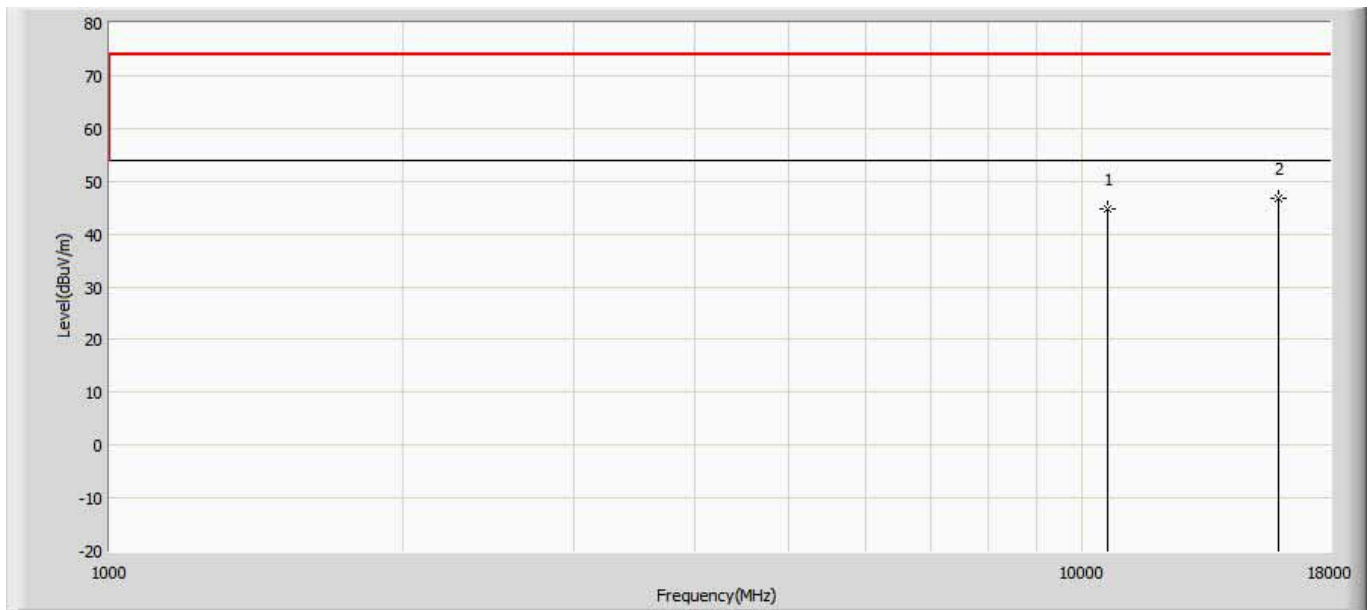
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10600.000	44.959	37.862	-29.041	74.000	7.097	PK
2	*	15900.000	47.226	38.020	-26.774	74.000	9.206	PK

Profile: Honeywell	Page No.: 289
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:38
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 802.11ac20	



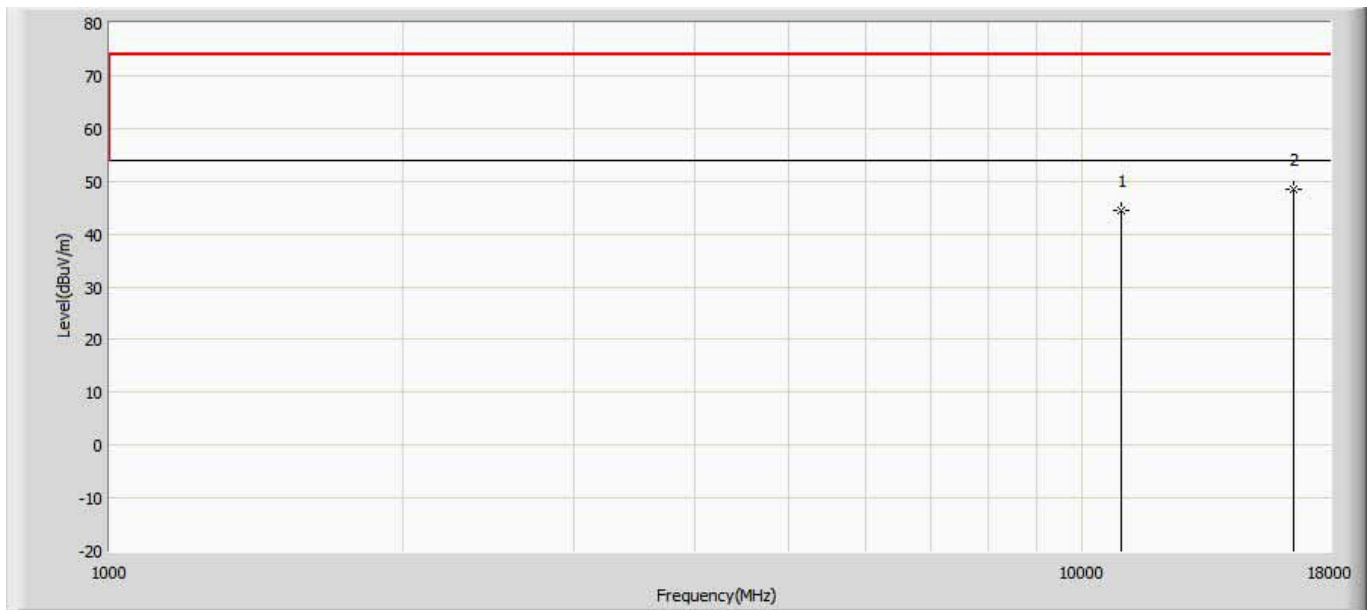
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10640.000	45.580	38.967	-28.420	74.000	6.613	PK
2	*	15960.000	46.019	36.403	-27.981	74.000	9.616	PK

Profile: Honeywell	Page No.: 290
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:38
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 802.11ac20	



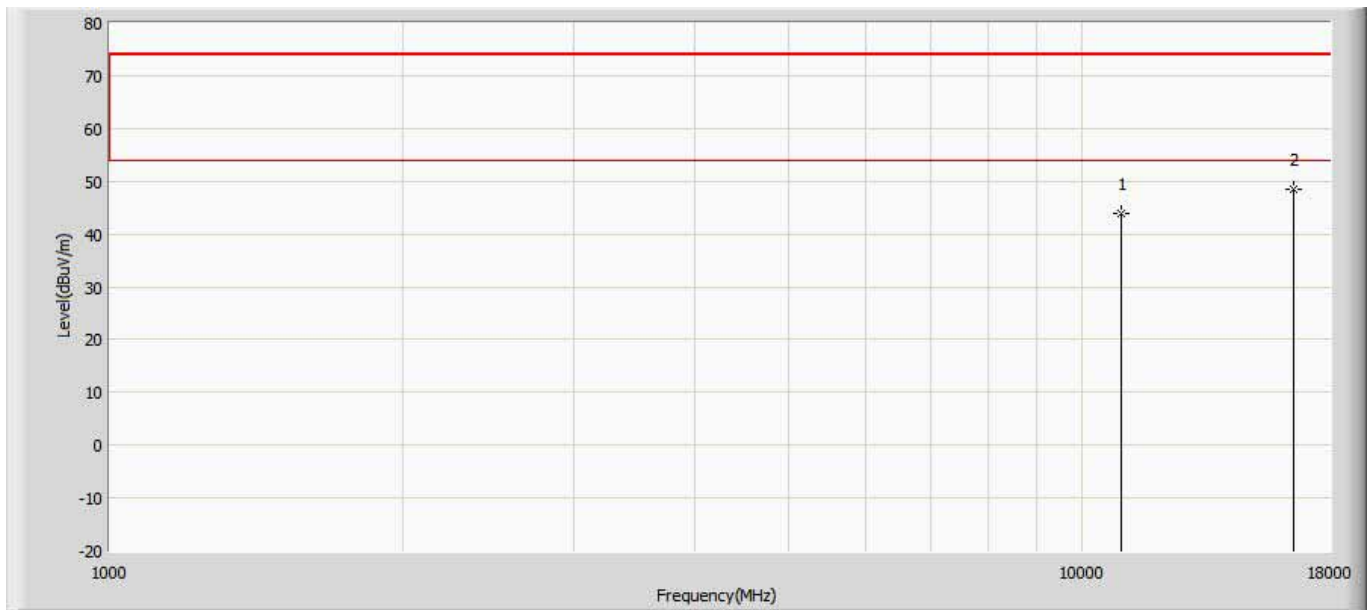
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10640.000	44.771	38.158	-29.229	74.000	6.613	PK
2	*	15960.000	46.878	37.262	-27.122	74.000	9.616	PK

Profile: Honeywell	Page No.: 291
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:39
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 802.11ac20	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11000.000	44.553	36.943	-29.447	74.000	7.610	PK
2	*	16500.000	48.606	36.971	-25.394	74.000	11.635	PK

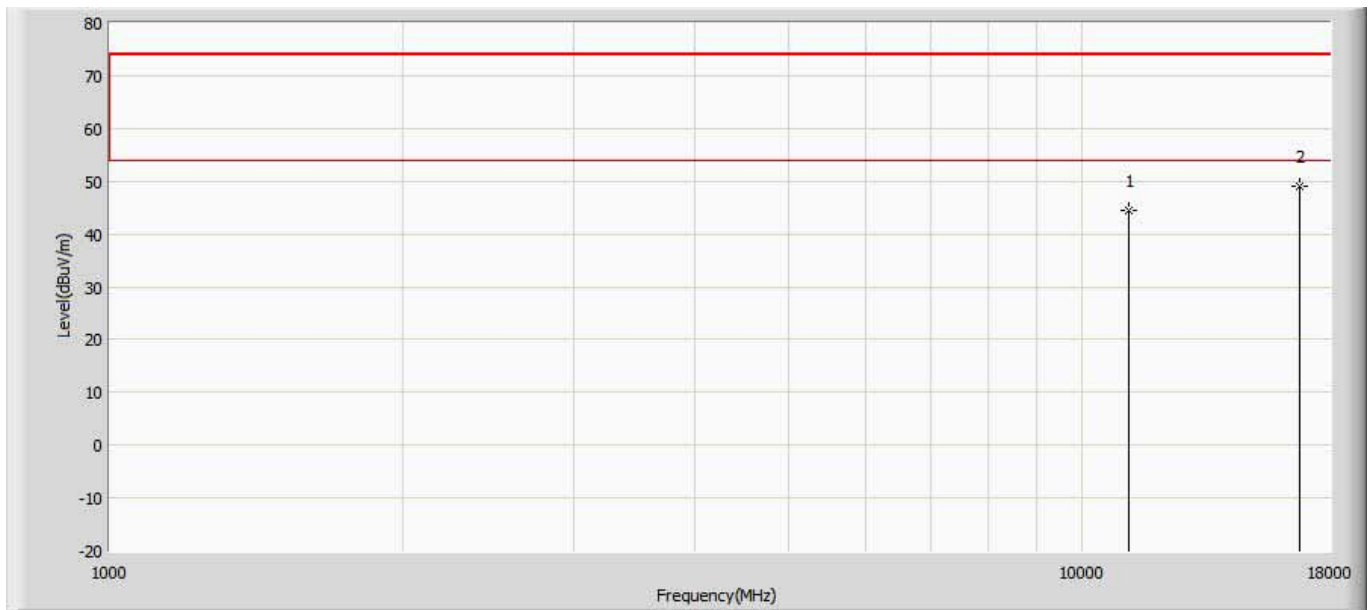
Profile: Honeywell	Page No.: 292
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:39
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 5500MHz 802.11ac20	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11000.000	44.034	36.424	-29.966	74.000	7.610	PK
2	*	16500.000	48.565	36.930	-25.435	74.000	11.635	PK

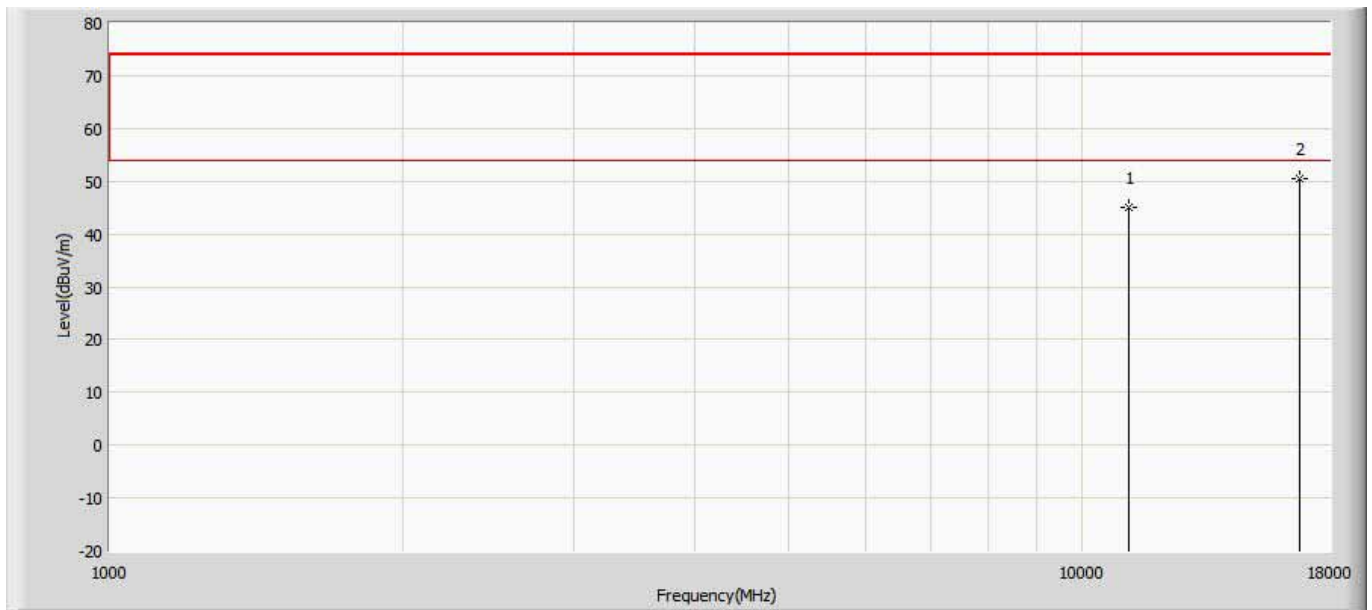


Profile: Honeywell	Page No.: 293
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:39
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 5580MHz 802.11ac20	



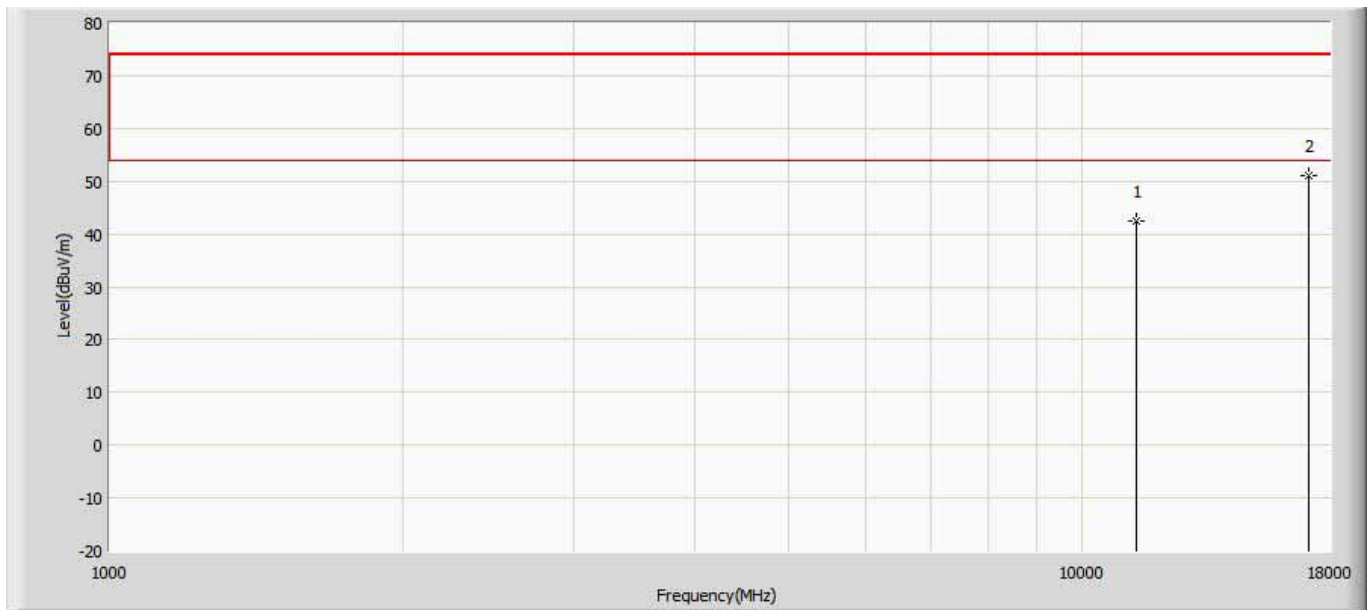
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11160.000	44.606	36.982	-29.394	74.000	7.624	PK
2	*	16740.000	49.193	37.124	-24.807	74.000	12.069	PK

Profile: Honeywell	Page No.: 294
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:39
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 802.11ac20	



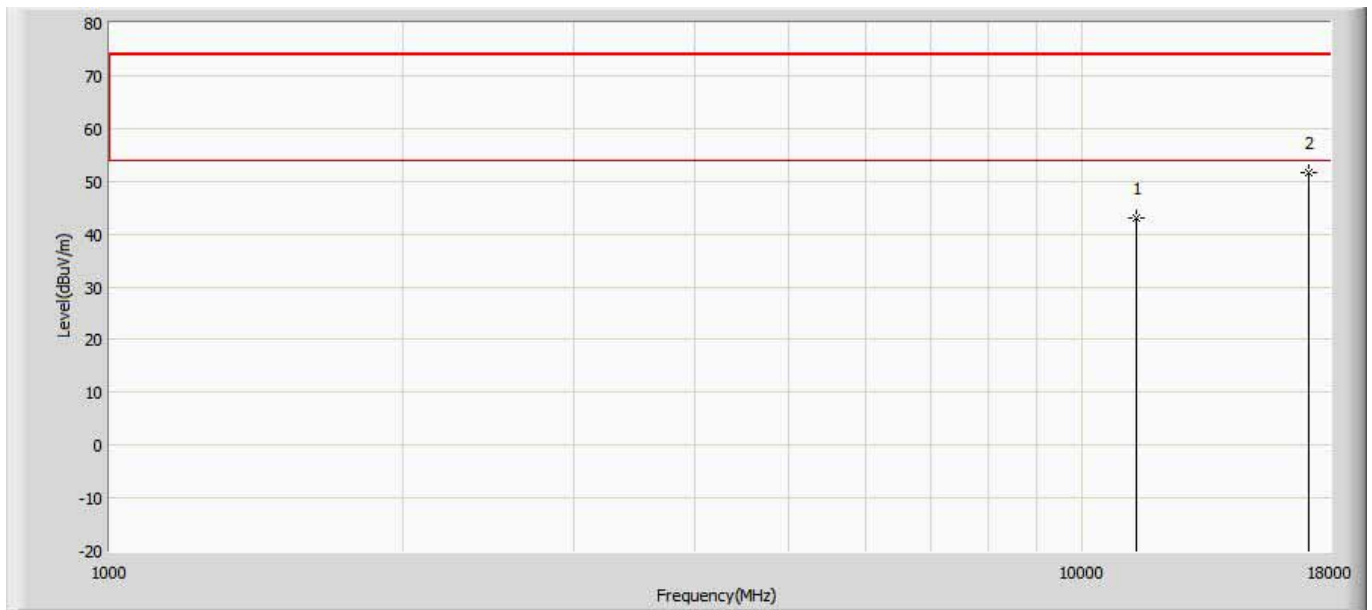
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11160.000	45.128	37.504	-28.872	74.000	7.624	PK
2	*	16740.000	50.352	38.283	-23.648	74.000	12.069	PK

Profile: Honeywell	Page No.: 295
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:39
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 802.11ac20	



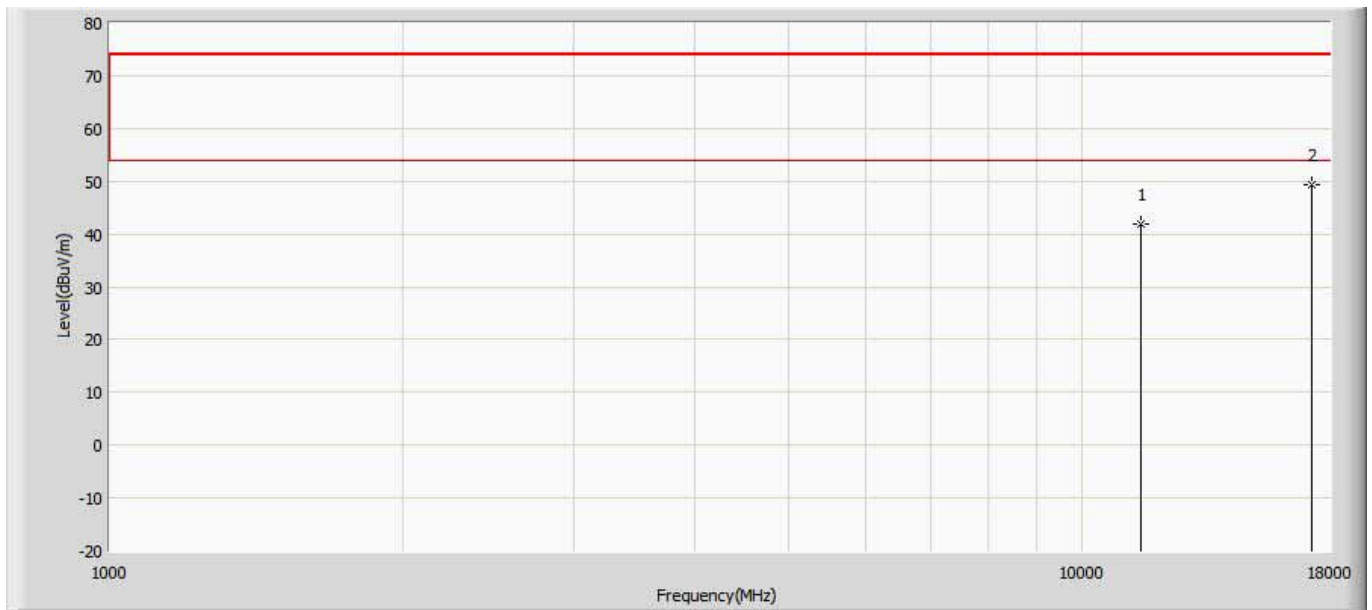
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11400.000	42.519	35.128	-31.481	74.000	7.391	PK
2	*	17100.000	51.181	37.724	-22.819	74.000	13.457	PK

Profile: Honeywell	Page No.: 296
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:39
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 802.11ac20	



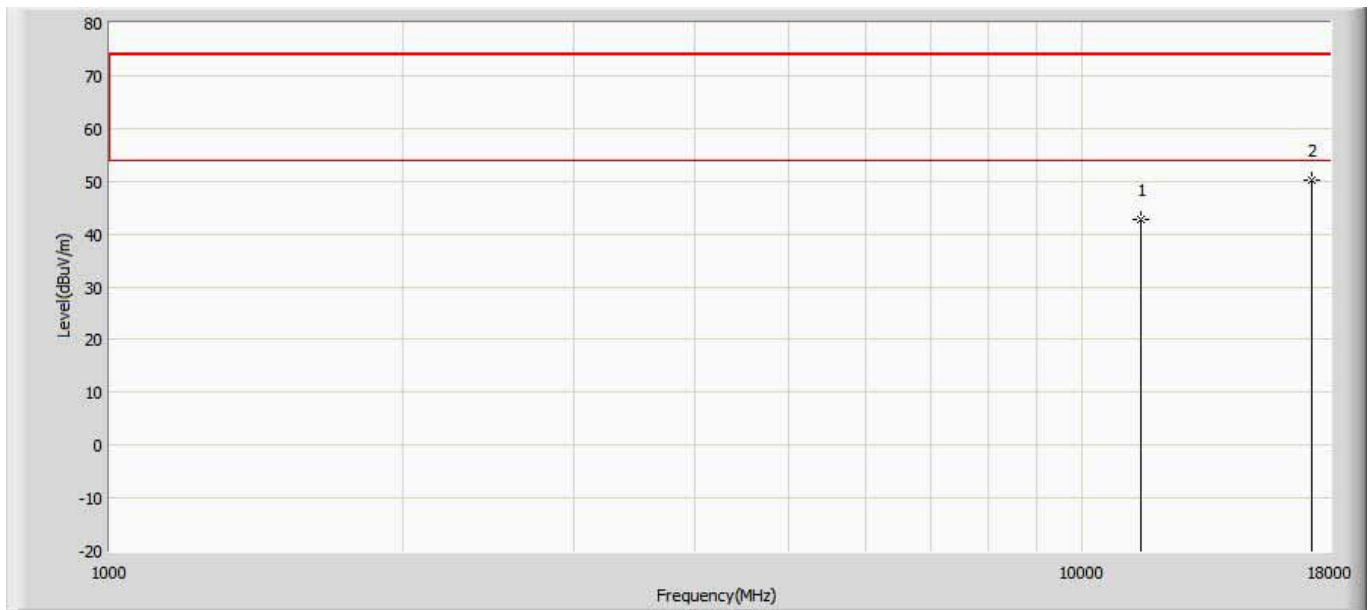
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11400.000	43.027	35.636	-30.973	74.000	7.391	PK
2	*	17100.000	51.502	38.045	-22.498	74.000	13.457	PK

Profile: Honeywell	Page No.: 297
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:39
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 802.11ac20	



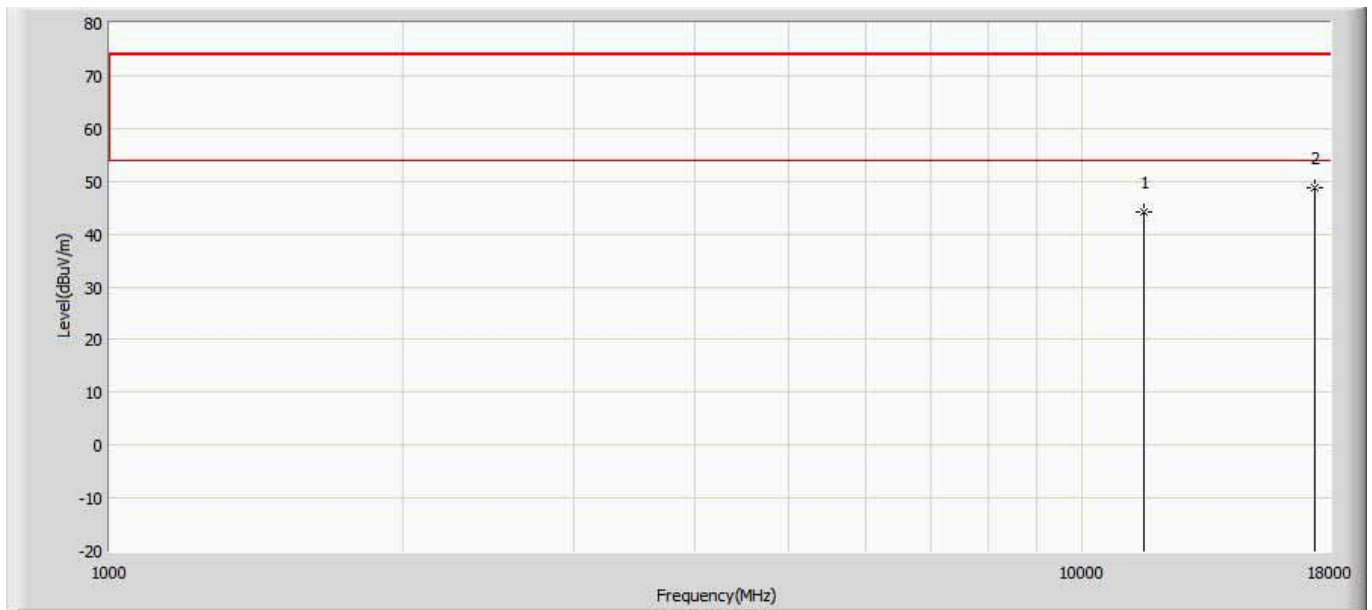
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11490.000	42.007	35.466	-31.993	74.000	6.541	PK
2	*	17235.000	49.390	36.252	-24.610	74.000	13.138	PK

Profile: Honeywell	Page No.: 298
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:40
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 802.11ac20	



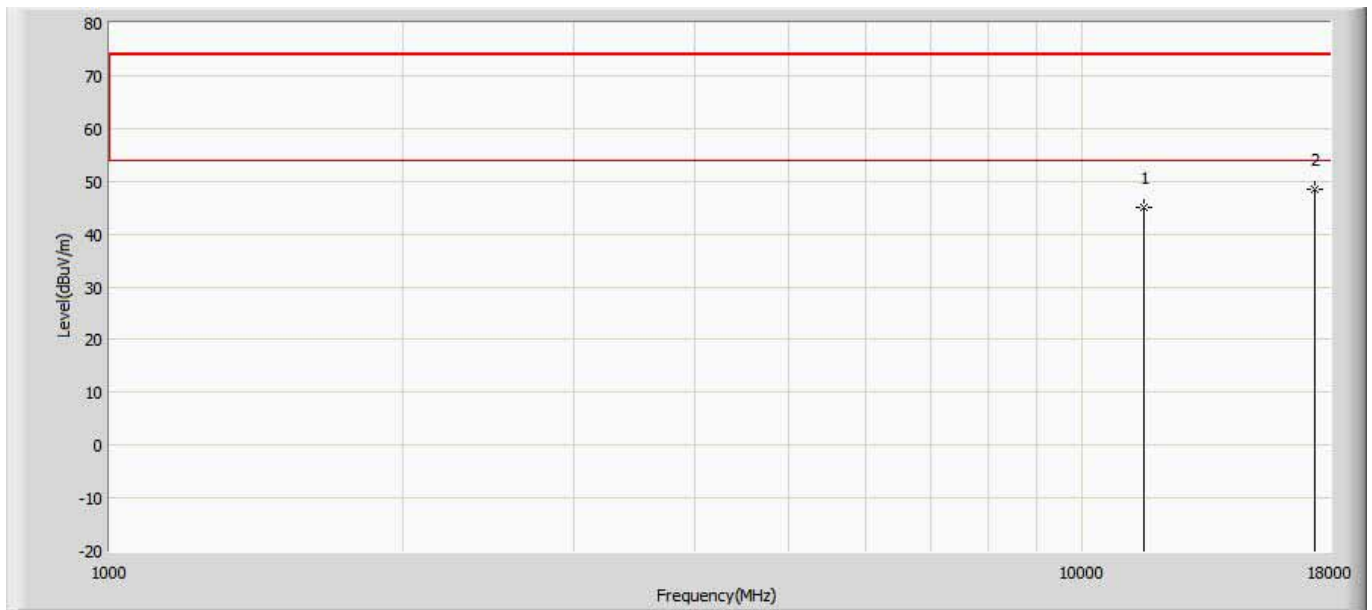
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11490.000	42.874	36.333	-31.126	74.000	6.541	PK
2	*	17235.000	50.338	37.200	-23.662	74.000	13.138	PK

Profile: Honeywell	Page No.: 299
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:40
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 802.11ac20	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11570.000	44.209	35.756	-29.791	74.000	8.453	PK
2	*	17355.000	48.906	35.595	-25.094	74.000	13.311	PK

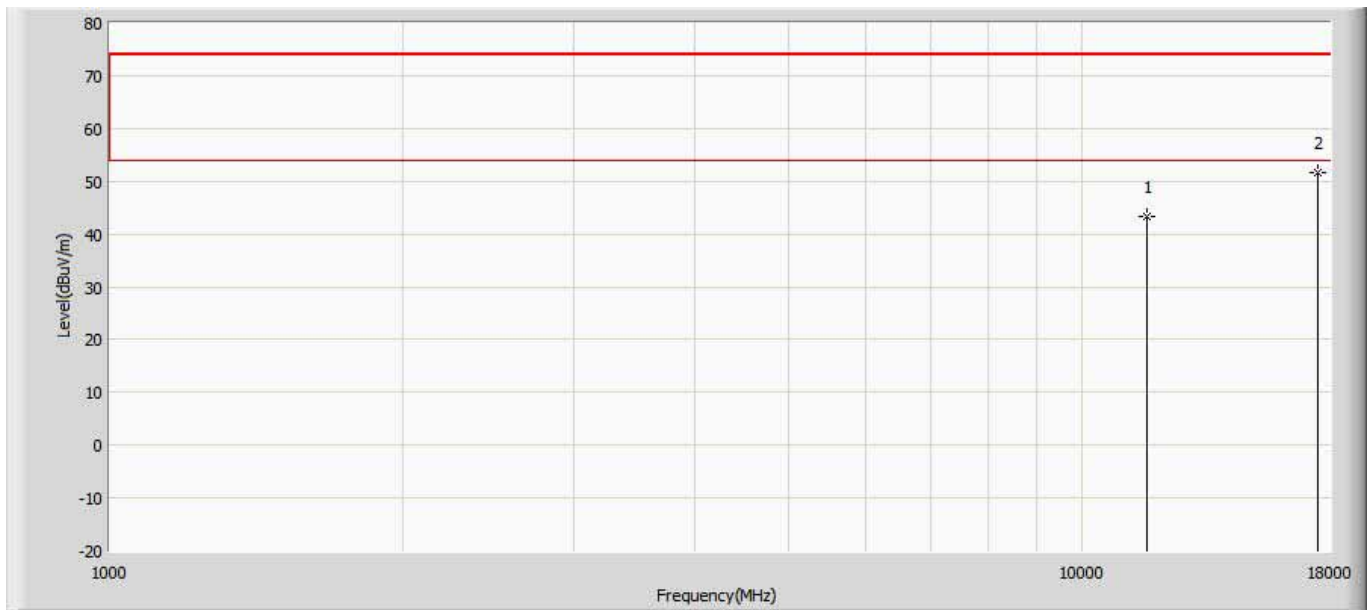
Profile: Honeywell	Page No.: 300
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:40
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 5785MHz 802.11ac20	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11570.000	44.922	36.469	-29.078	74.000	8.453	PK
2	*	17355.000	48.391	35.080	-25.609	74.000	13.311	PK

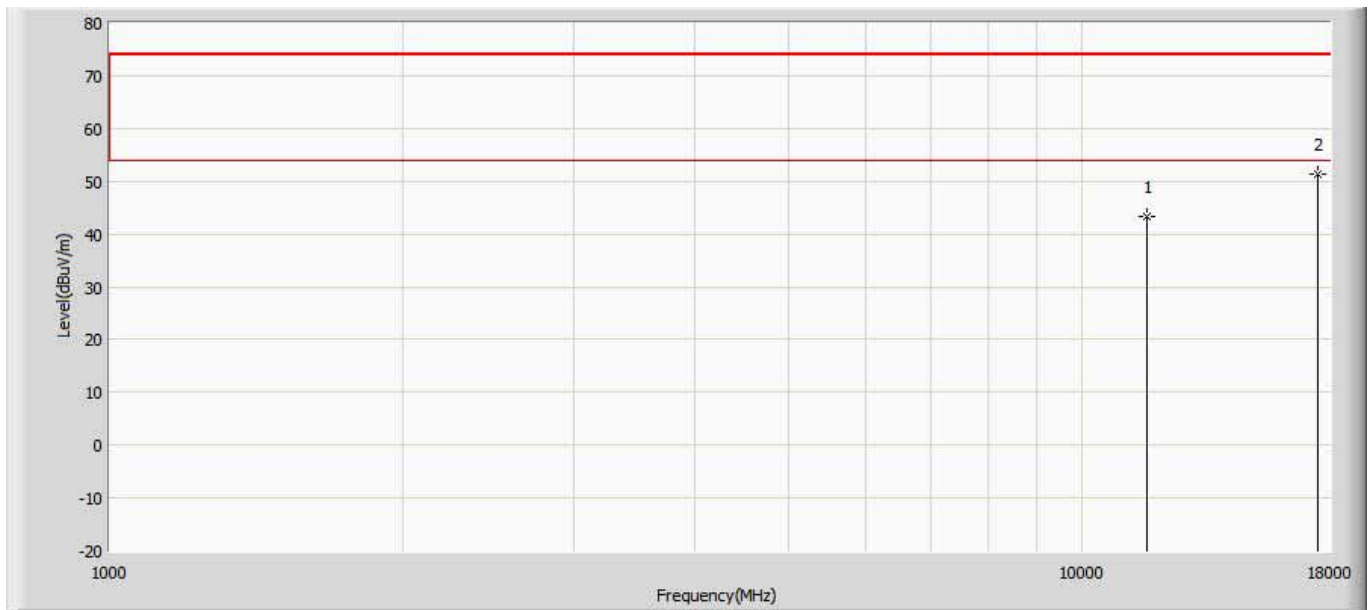


Profile: Honeywell	Page No.: 301
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:40
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 5825MHz 802.11ac20	



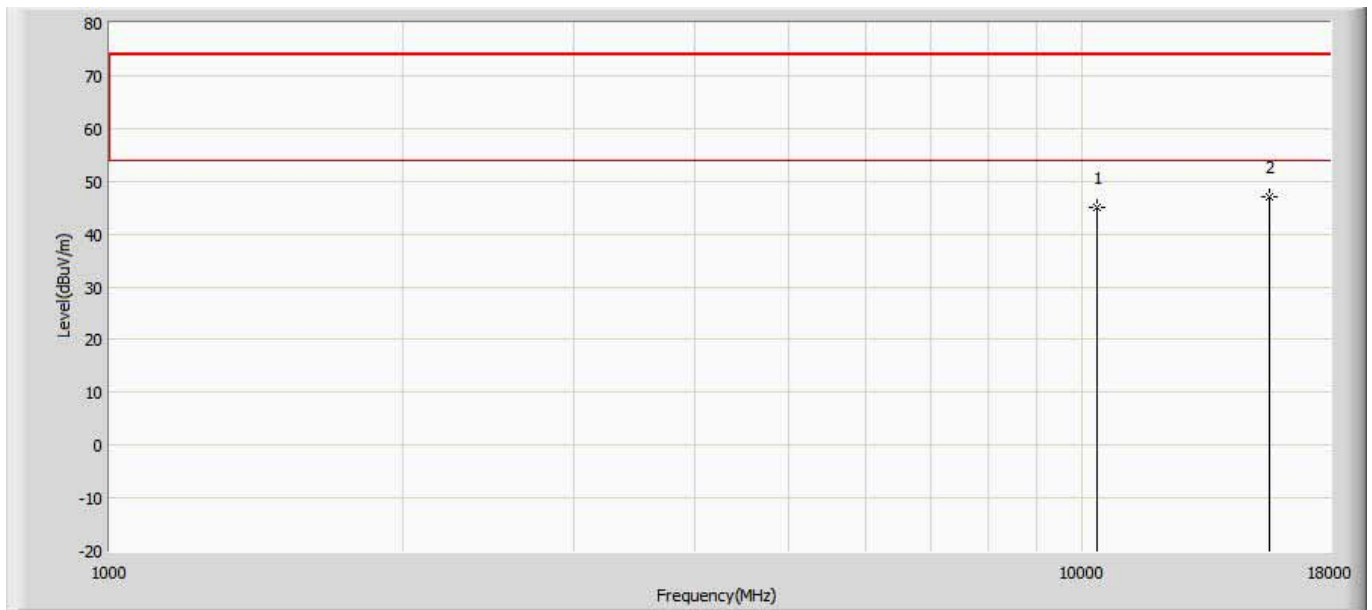
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11650.000	43.391	36.387	-30.609	74.000	7.004	PK
2	*	17475.000	51.594	38.118	-22.406	74.000	13.476	PK

Profile: Honeywell	Page No.: 302
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:40
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 802.11ac20	



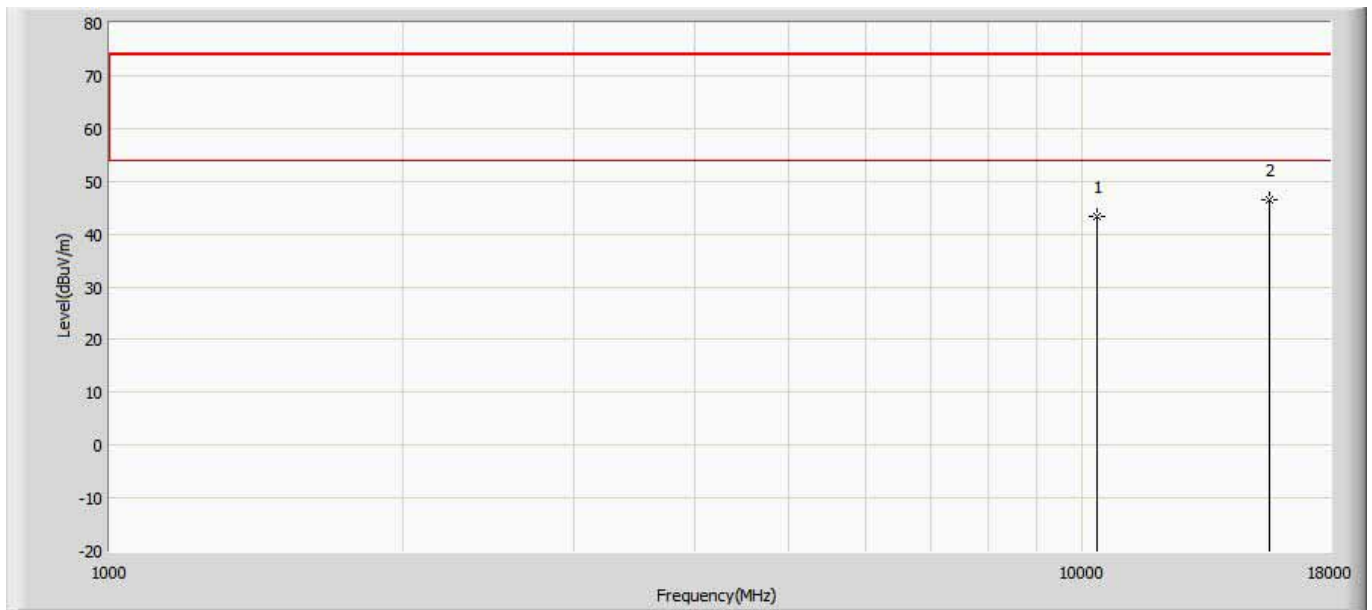
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11650.000	43.256	36.252	-30.744	74.000	7.004	PK
2	*	17475.000	51.259	37.783	-22.741	74.000	13.476	PK

Profile: Honeywell	Page No.: 303
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:40
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 802.11ac40	



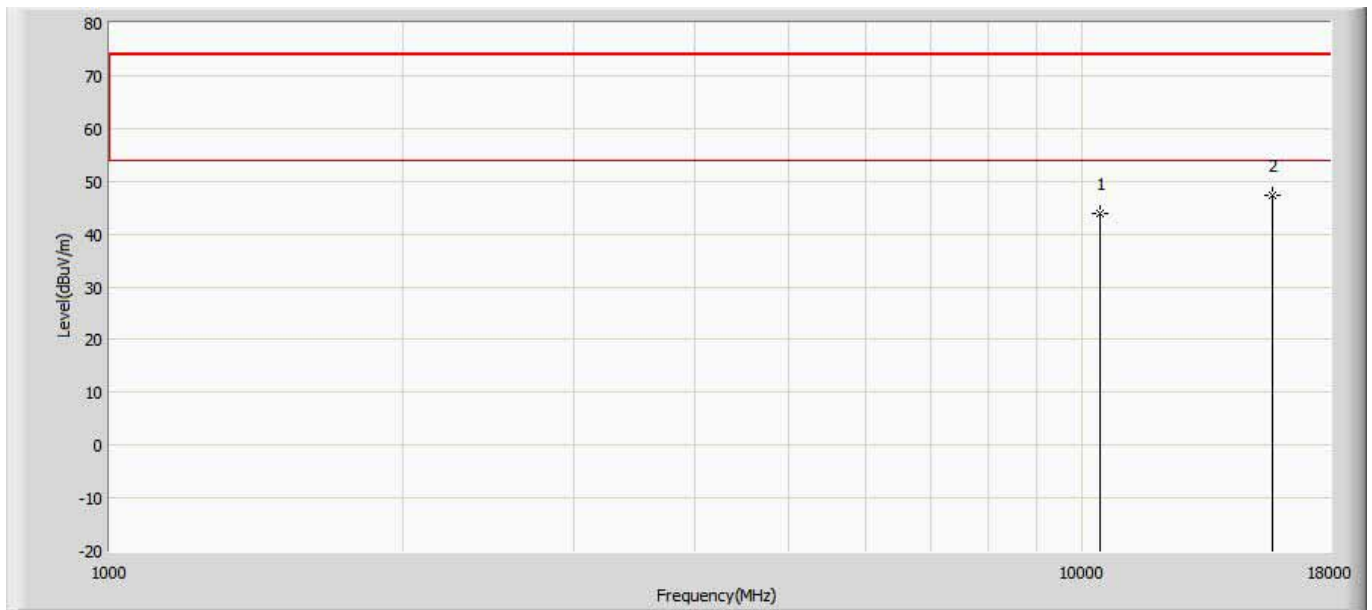
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10380.000	44.927	38.700	-29.073	74.000	6.227	PK
2	*	15570.000	47.109	38.237	-26.891	74.000	8.872	PK

Profile: Honeywell	Page No.: 304
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:40
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 802.11ac40	



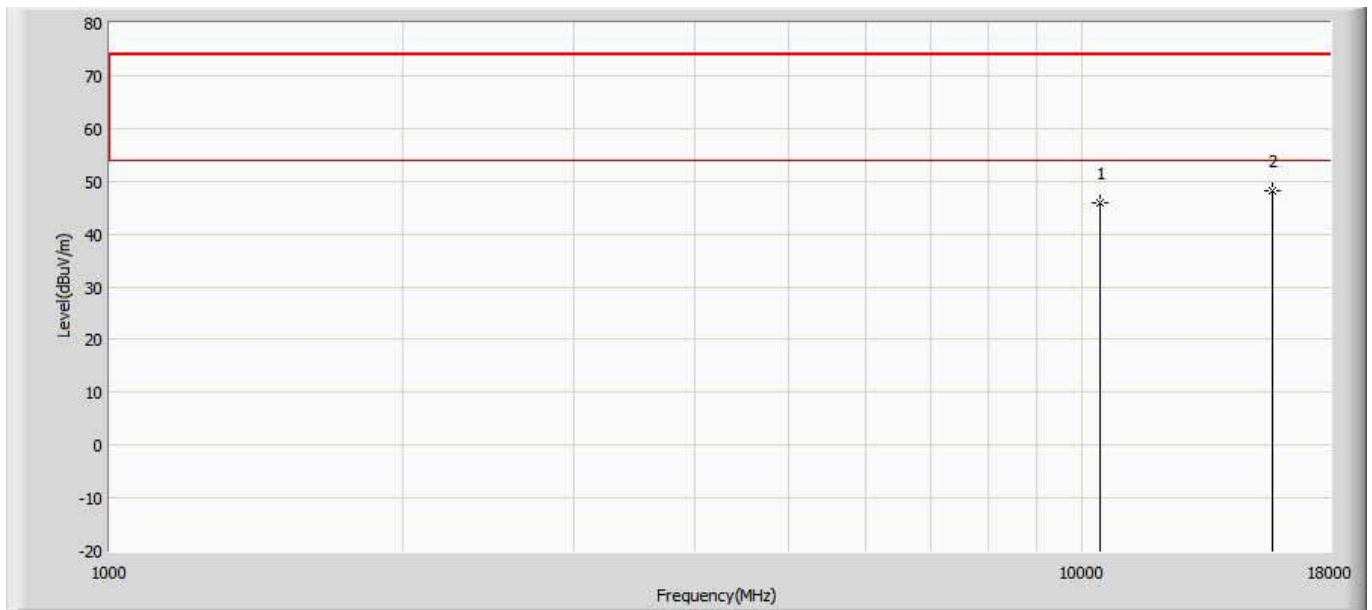
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10380.000	43.300	37.073	-30.700	74.000	6.227	PK
2	*	15570.000	46.584	37.712	-27.416	74.000	8.872	PK

Profile: Honeywell	Page No.: 305
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:40
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 802.11ac40	



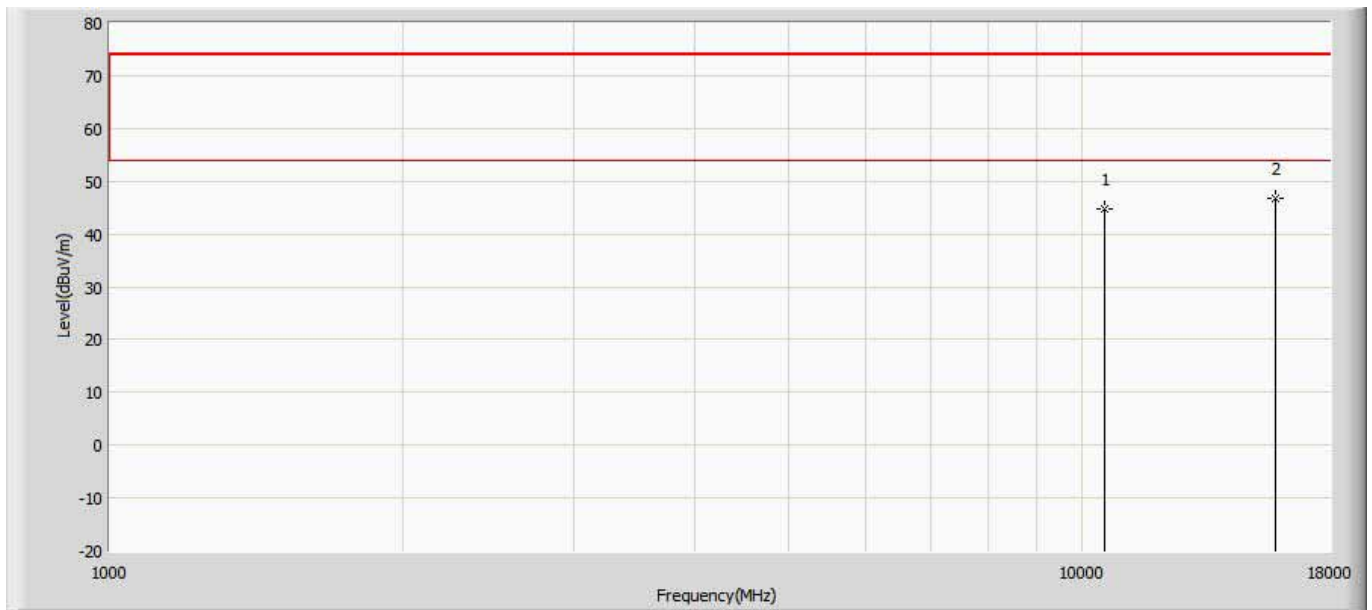
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10460.000	43.990	37.366	-30.010	74.000	6.624	PK
2	*	15690.000	47.394	37.761	-26.606	74.000	9.633	PK

Profile: Honeywell	Page No.: 306
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:40
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 802.11ac40	



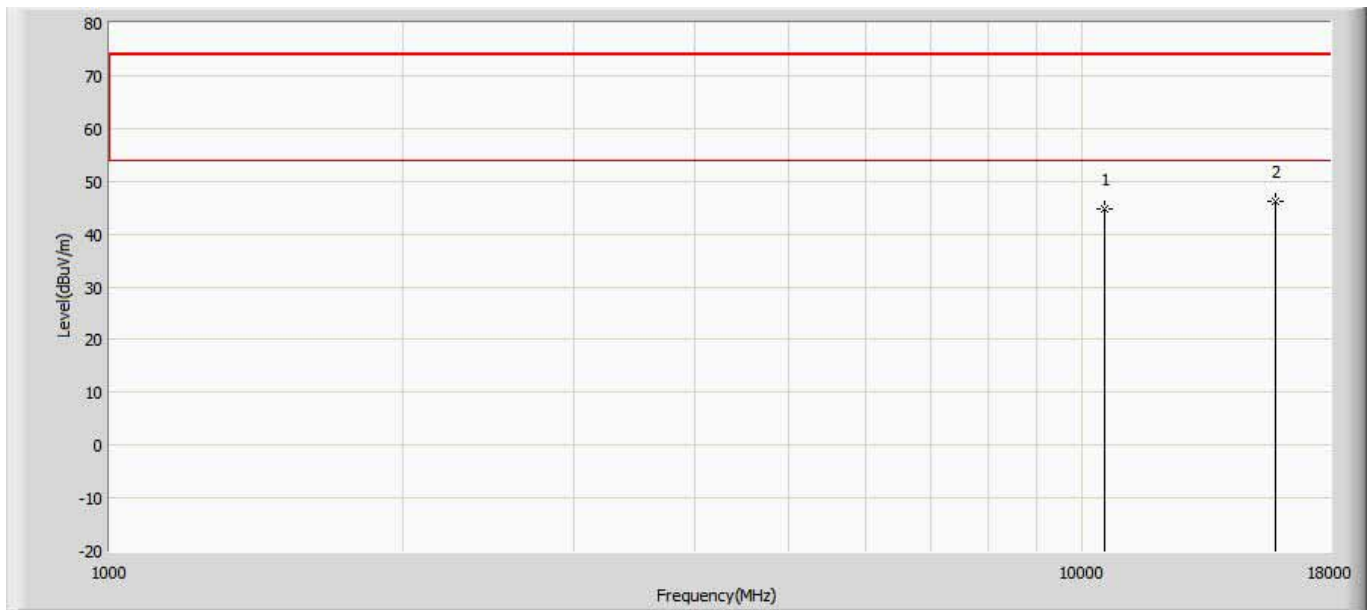
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10460.000	45.822	39.198	-28.178	74.000	6.624	PK
2	*	15690.000	48.169	38.536	-25.831	74.000	9.633	PK

Profile: Honeywell	Page No.: 307
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:41
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 802.11ac40	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10540.000	44.787	37.472	-29.213	74.000	7.315	PK
2	*	15810.000	46.892	36.935	-27.108	74.000	9.957	PK

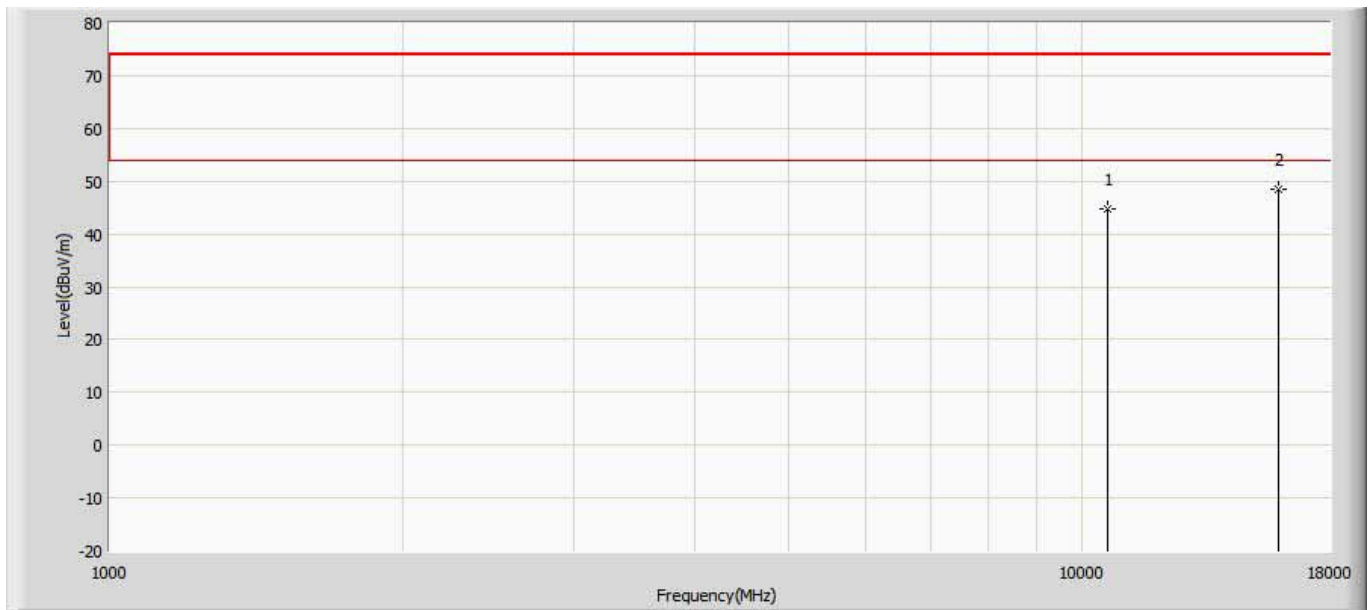
Profile: Honeywell	Page No.: 308
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:41
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 5:Transmit at 5270MHz 802.11ac40	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10540.000	44.817	37.502	-29.183	74.000	7.315	PK
2	*	15810.000	46.168	36.211	-27.832	74.000	9.957	PK

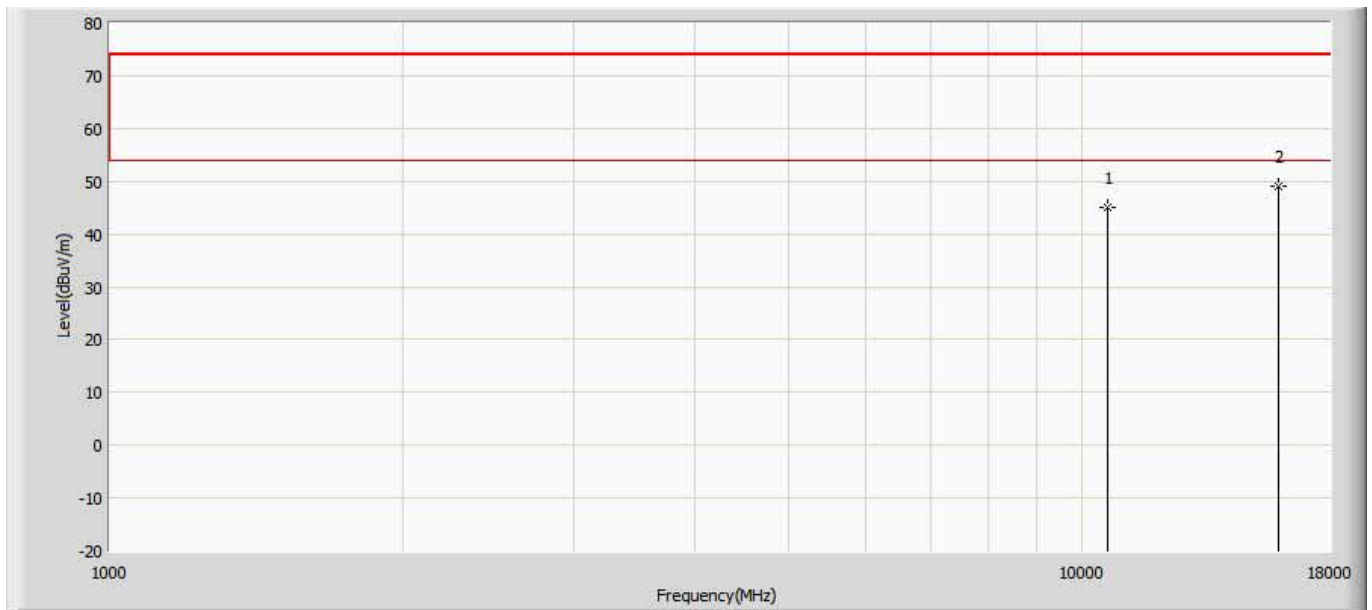


Profile: Honeywell	Page No.: 309
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:41
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 5:Transmit at 5310MHz 802.11ac40	



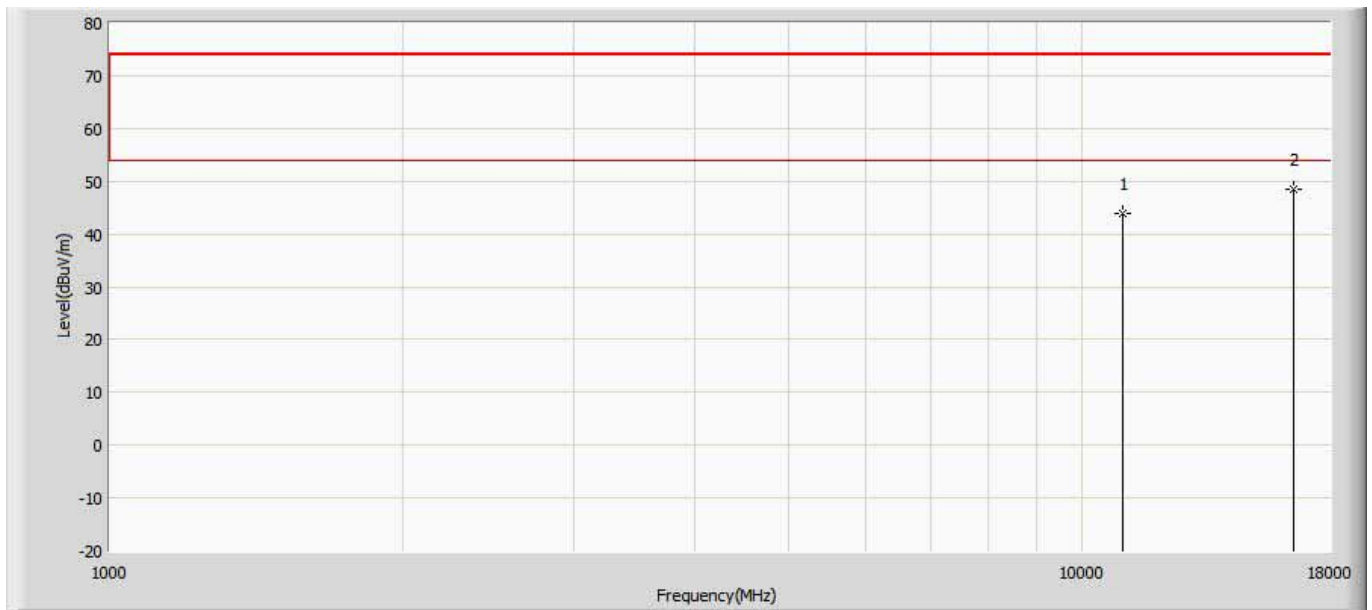
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10620.000	44.639	38.410	-29.361	74.000	6.229	PK
2	*	15930.000	48.594	38.227	-25.406	74.000	10.367	PK

Profile: Honeywell	Page No.: 310
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:41
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 802.11ac40	



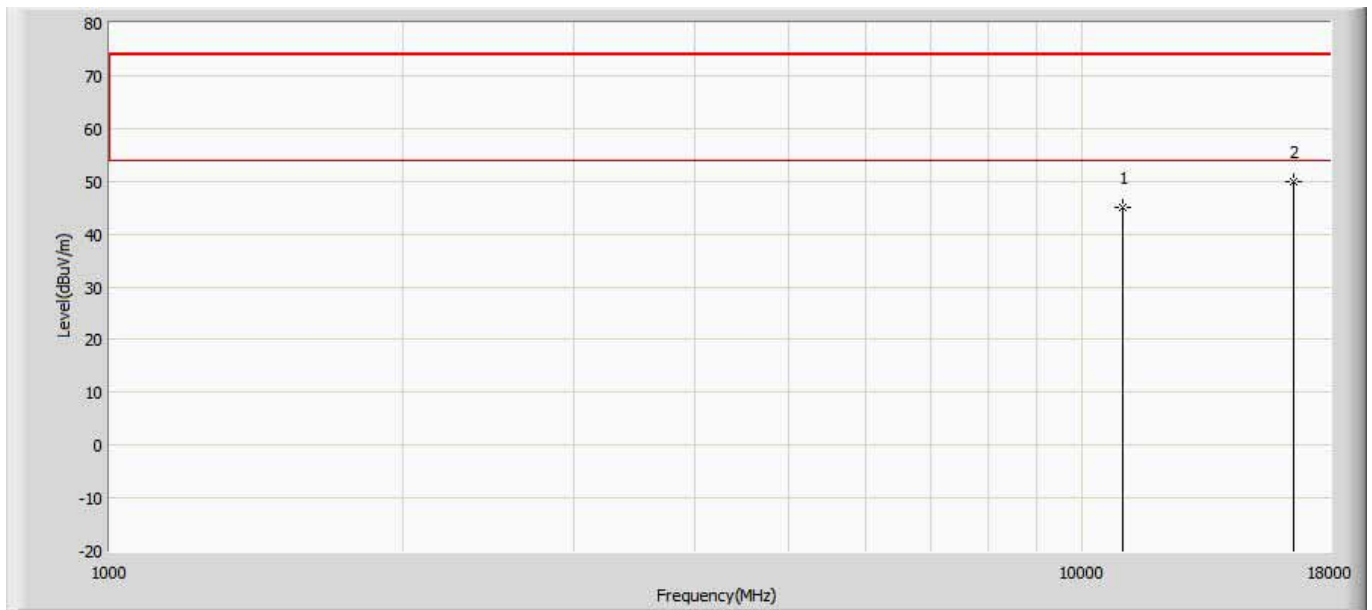
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10620.000	44.968	38.739	-29.032	74.000	6.229	PK
2	*	15930.000	49.031	38.664	-24.969	74.000	10.367	PK

Profile: Honeywell	Page No.: 311
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:41
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 802.11ac40	



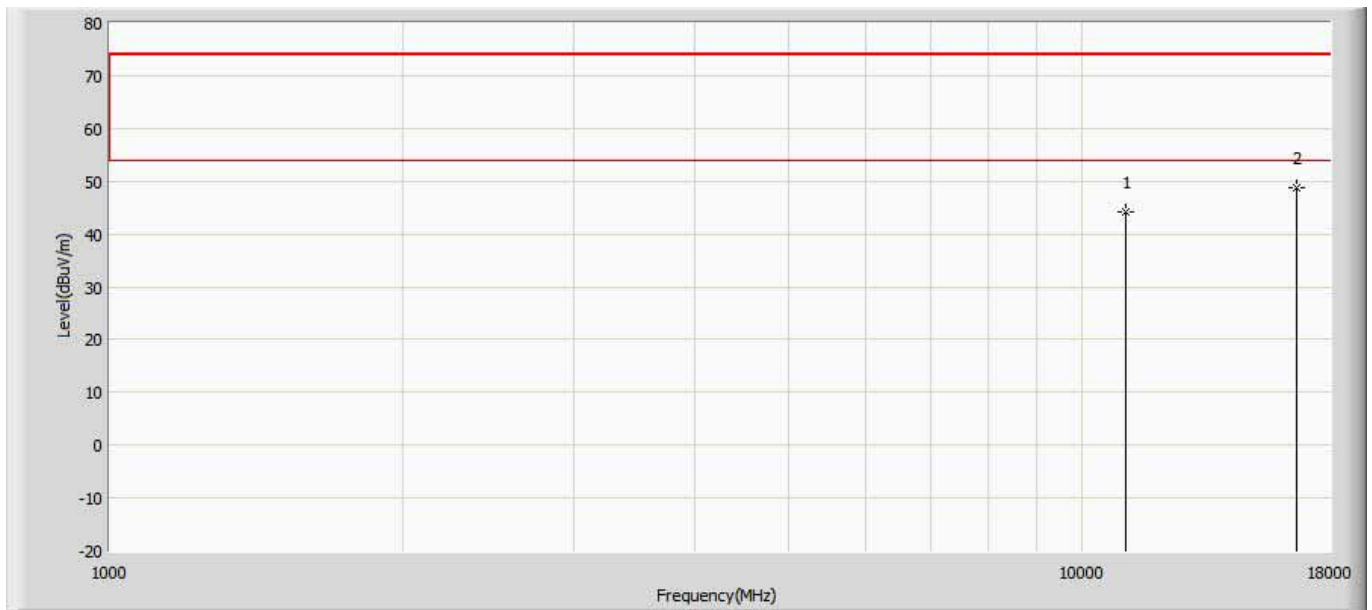
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11020.000	43.882	37.098	-30.118	74.000	6.784	PK
2	*	16530.000	48.556	37.299	-25.444	74.000	11.257	PK

Profile: Honeywell	Page No.: 312
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:41
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 802.11ac40	



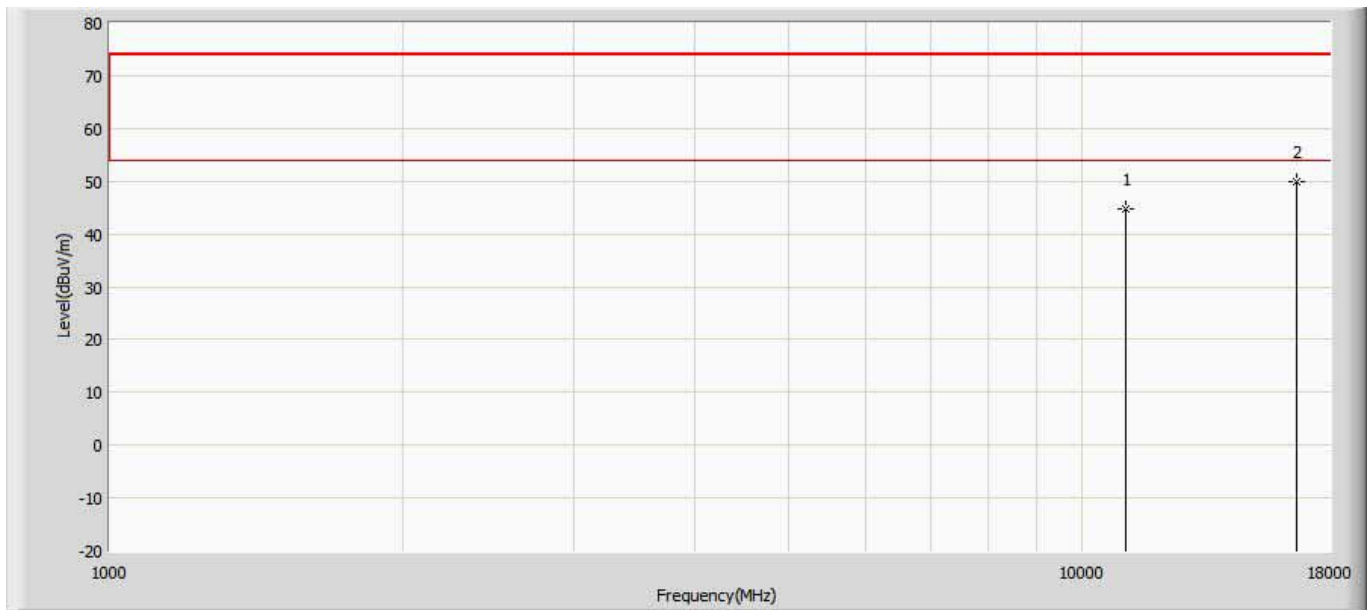
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11020.000	45.044	38.260	-28.956	74.000	6.784	PK
2	*	16530.000	49.877	38.620	-24.123	74.000	11.257	PK

Profile: Honeywell	Page No.: 313
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:41
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 5550MHz 802.11ac40	



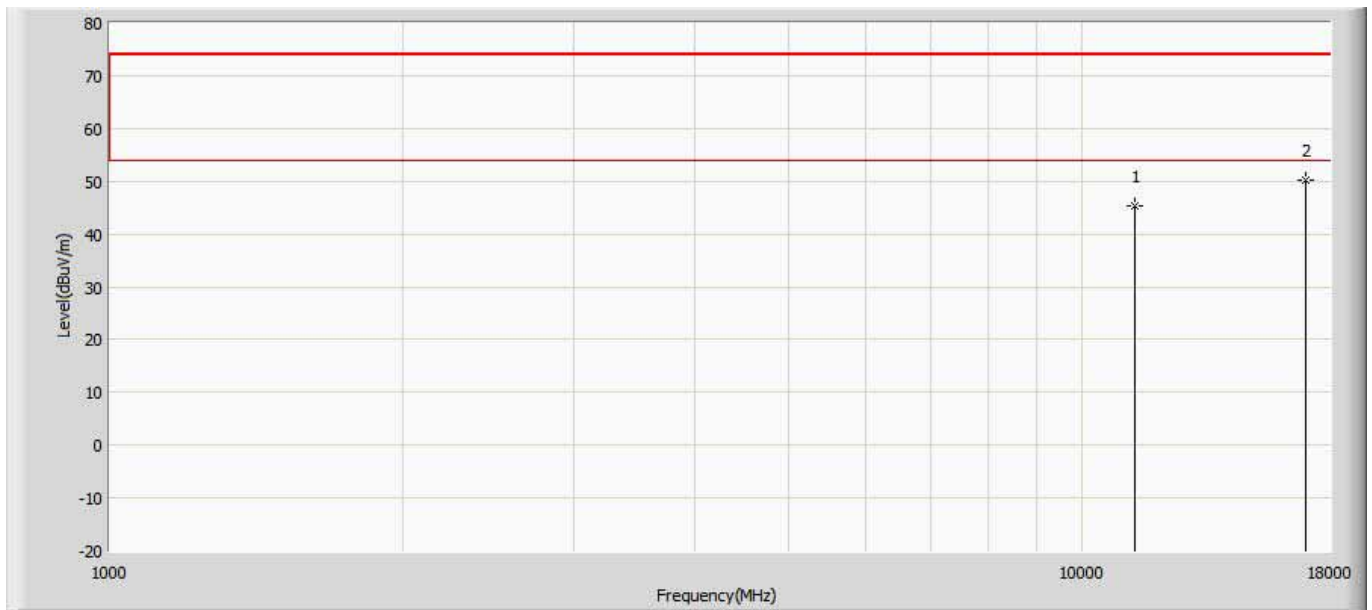
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11100.000	44.131	36.856	-29.869	74.000	7.275	PK
2	*	16650.000	48.728	36.810	-25.272	74.000	11.918	PK

Profile: Honeywell	Page No.: 314
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:41
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 5550MHz 802.11ac40	



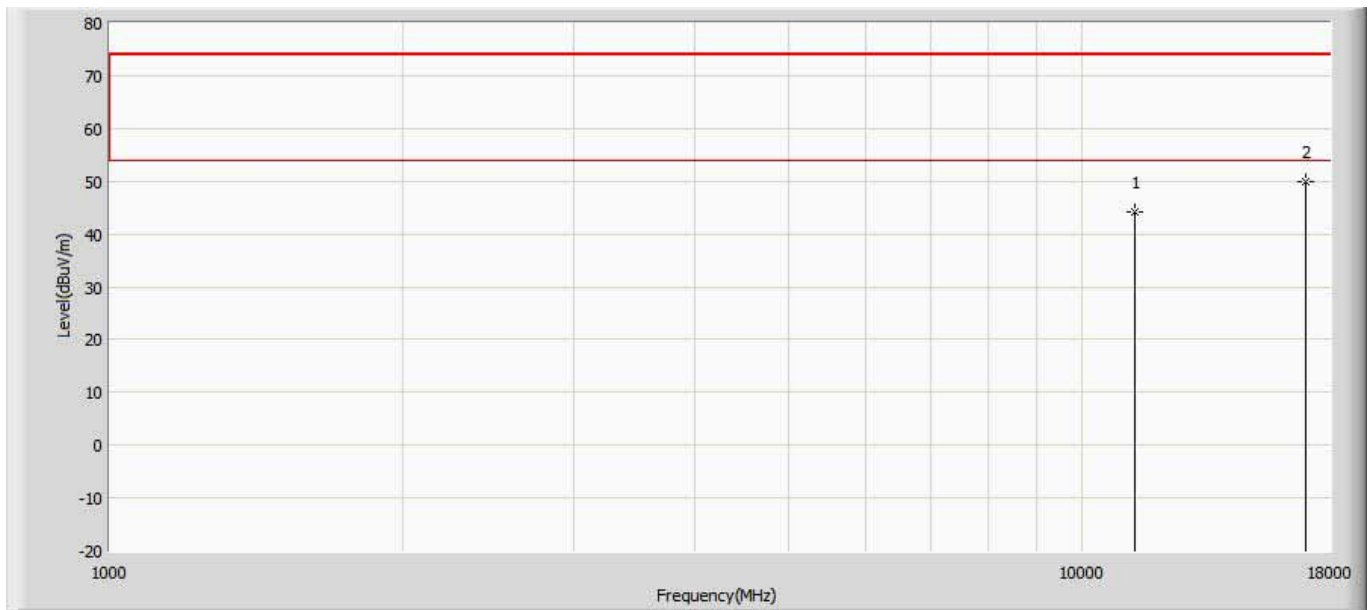
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11100.000	44.874	37.599	-29.126	74.000	7.275	PK
2	*	16650.000	49.996	38.078	-24.004	74.000	11.918	PK

Profile: Honeywell	Page No.: 315
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:42
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 802.11ac40	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11340.000	45.371	37.623	-28.629	74.000	7.748	PK
2	*	17010.000	50.189	37.083	-23.811	74.000	13.106	PK

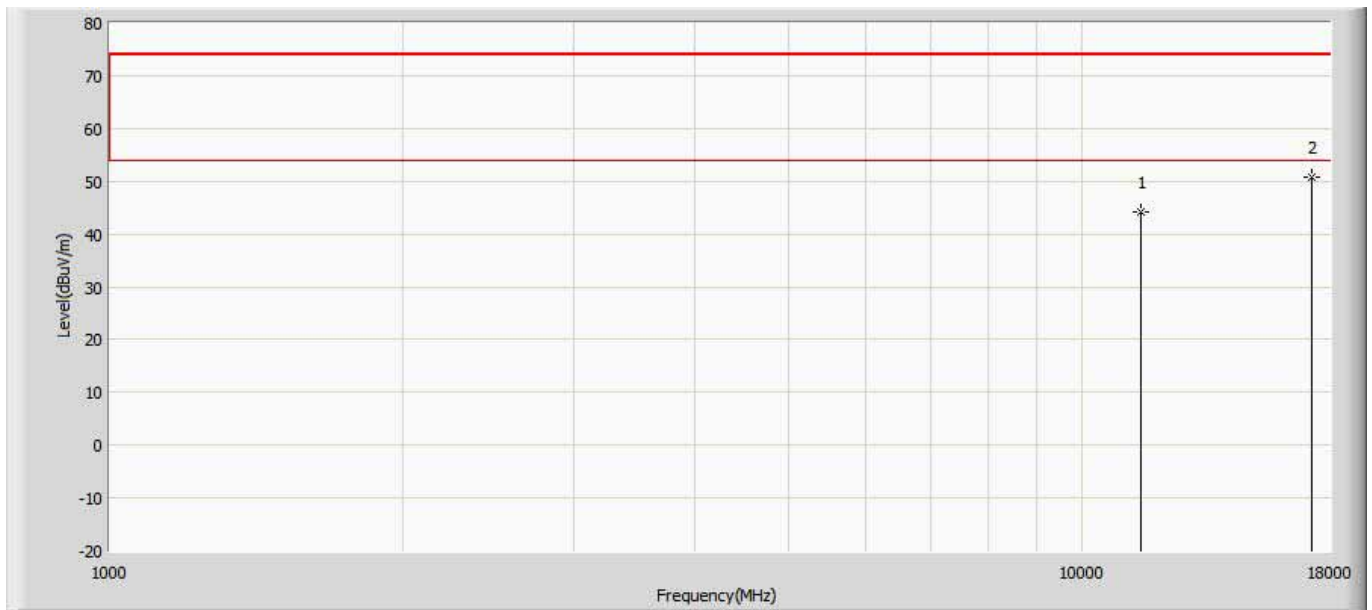
Profile: Honeywell	Page No.: 316
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:42
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 5:Transmit at 5670MHz 802.11ac40	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11340.000	44.198	36.450	-29.802	74.000	7.748	PK
2	*	17010.000	49.804	36.698	-24.196	74.000	13.106	PK

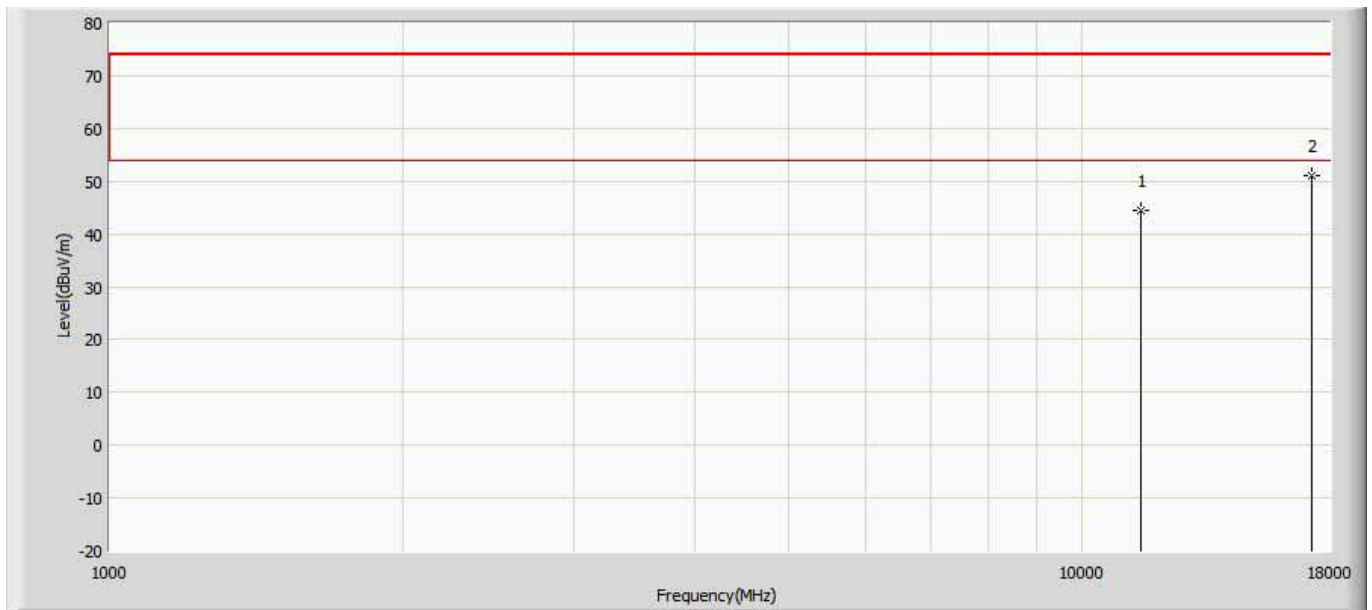


Profile: Honeywell	Page No.: 317
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:42
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 5:Transmit at 5755MHz 802.11ac40	



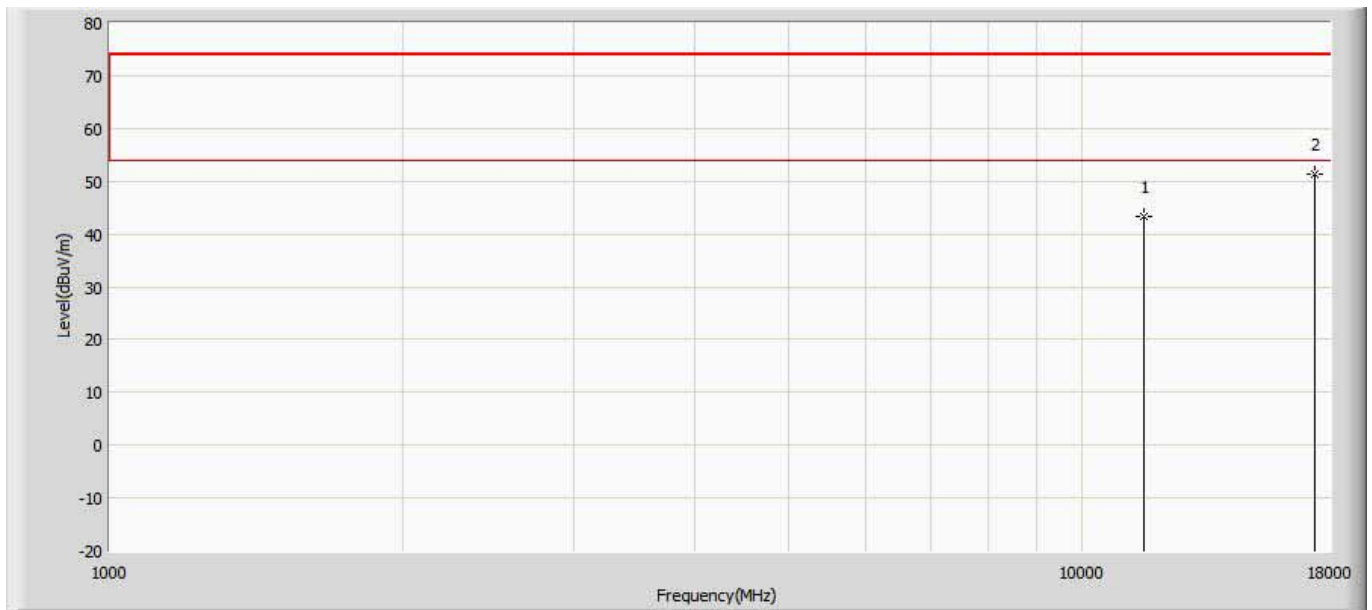
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11510.000	44.064	36.138	-29.936	74.000	7.926	PK
2	*	17265.000	50.705	37.247	-23.295	74.000	13.458	PK

Profile: Honeywell	Page No.: 318
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:42
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 802.11ac40	



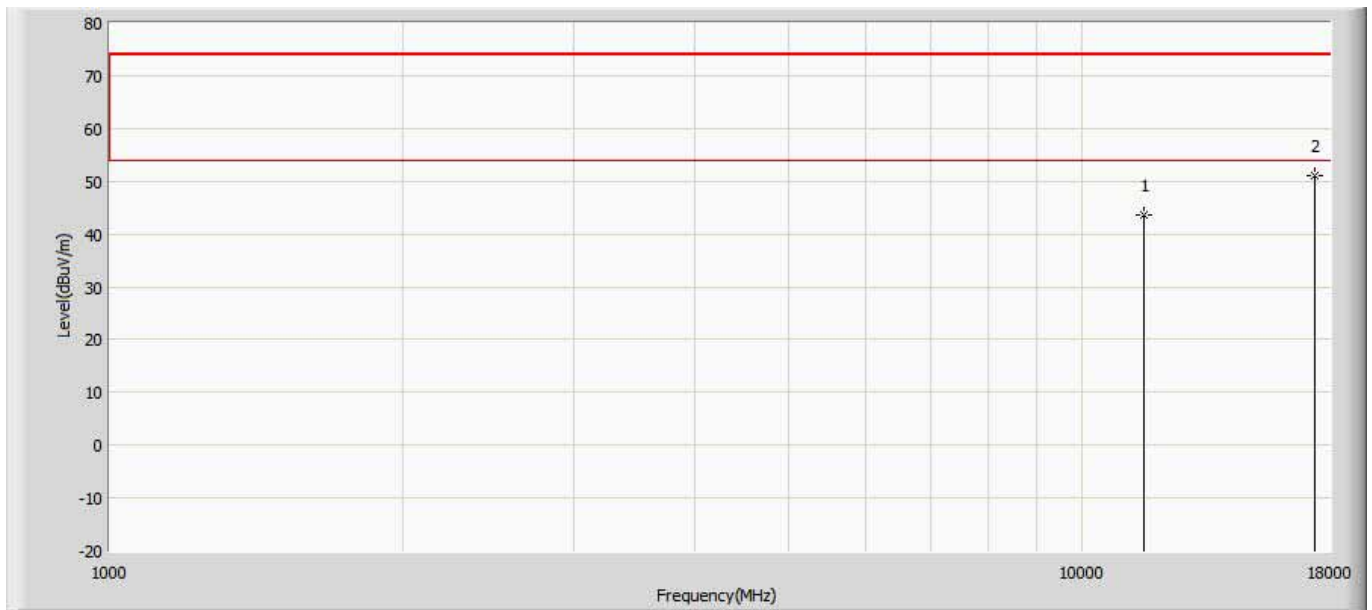
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11510.000	44.344	36.418	-29.656	74.000	7.926	PK
2	*	17265.000	51.188	37.730	-22.812	74.000	13.458	PK

Profile: Honeywell	Page No.: 319
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:42
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 802.11ac40	



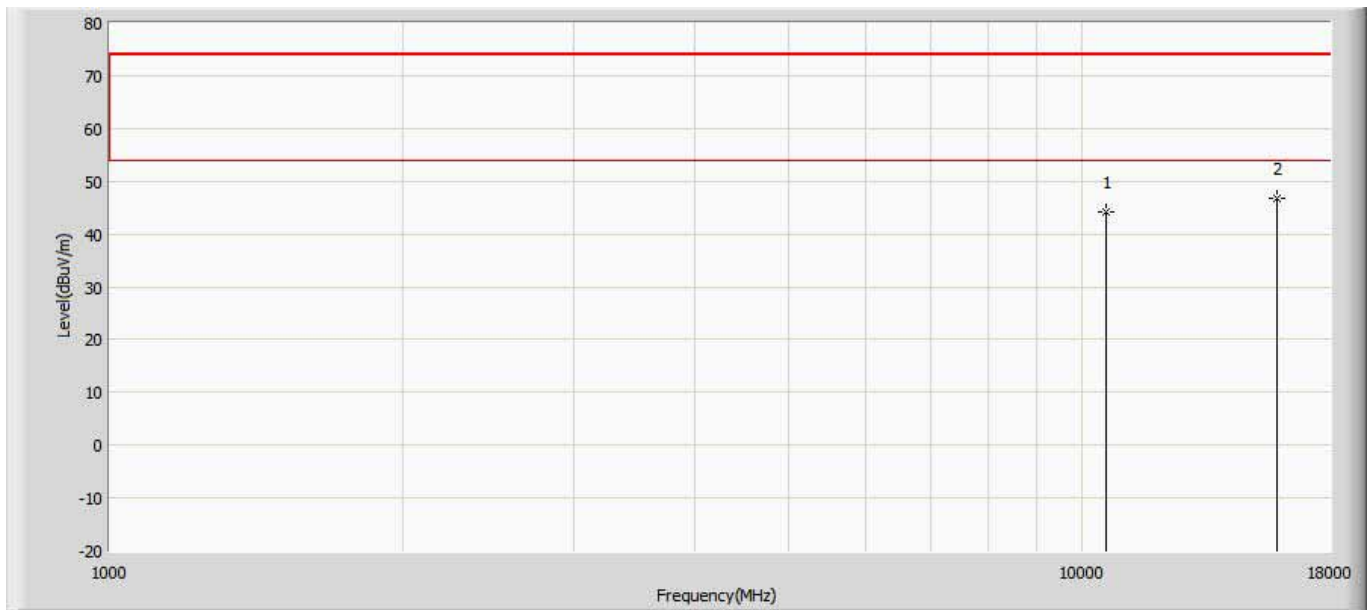
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11590.000	43.271	36.133	-30.729	74.000	7.138	PK
2	*	17385.000	51.348	37.208	-22.652	74.000	14.140	PK

Profile: Honeywell	Page No.: 320
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:42
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 802.11ac40	



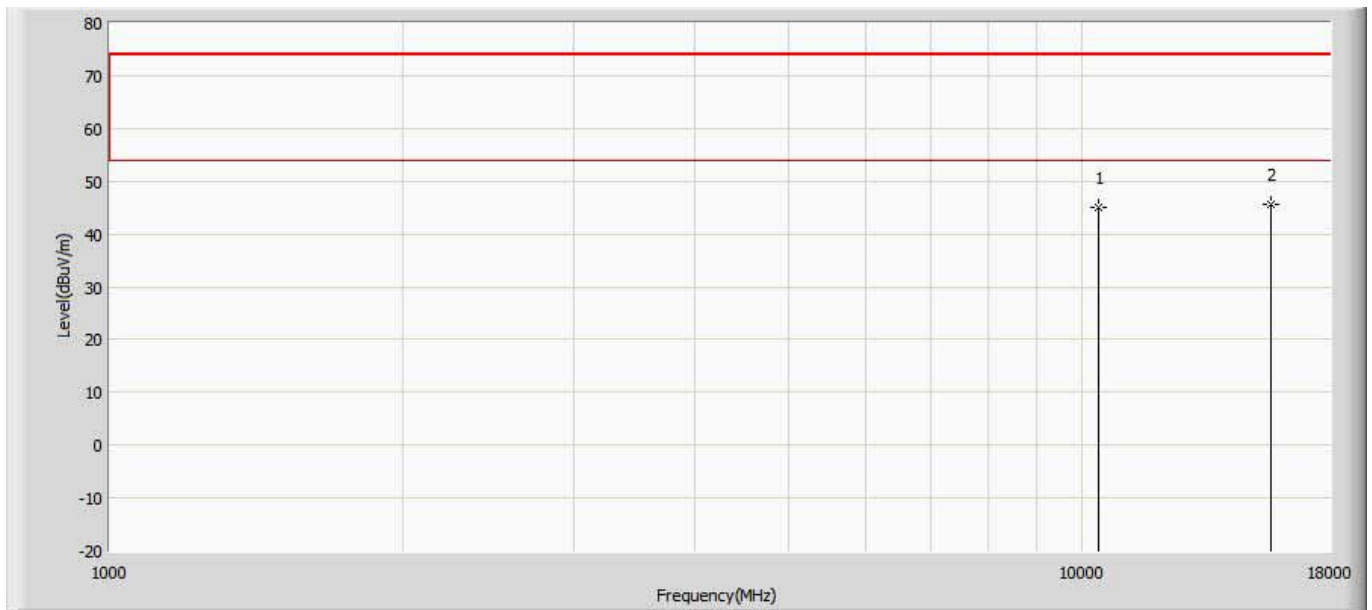
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11590.000	43.561	36.423	-30.439	74.000	7.138	PK
2	*	17385.000	51.072	36.932	-22.928	74.000	14.140	PK

Profile: Honeywell	Page No.: 321
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:43
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 802.11ac80	



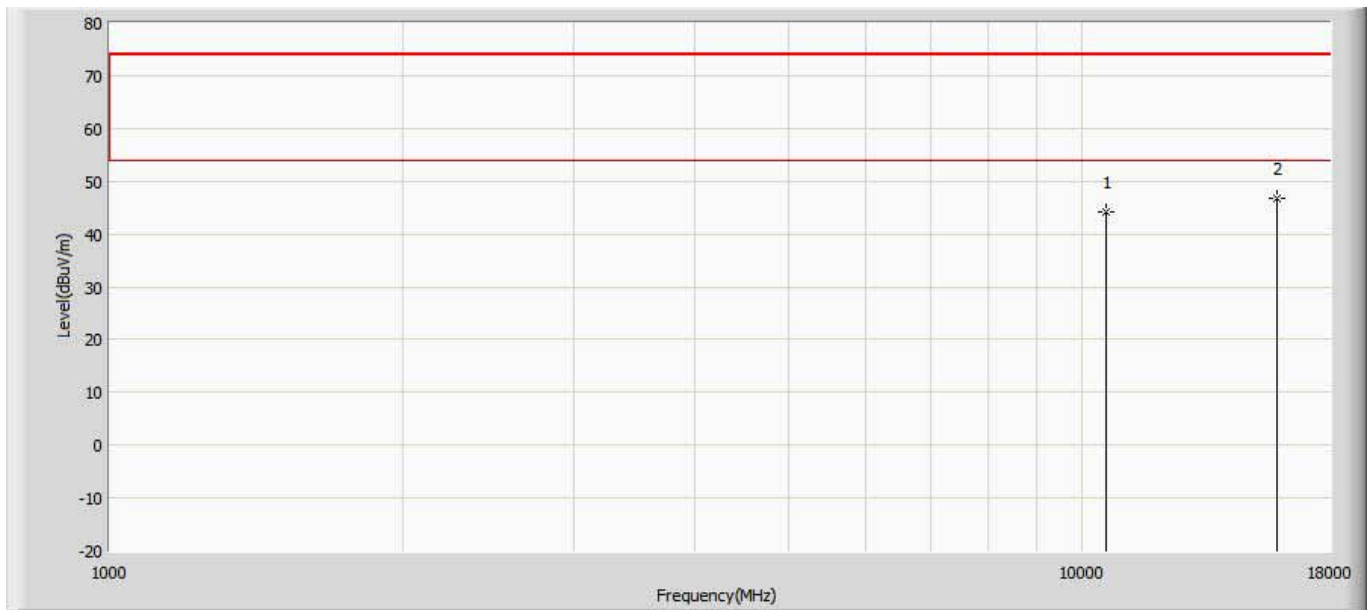
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10580.000	44.235	37.466	-29.765	74.000	6.769	PK
2	*	15870.000	46.798	36.847	-27.202	74.000	9.951	PK

Profile: Honeywell	Page No.: 322
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:43
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 802.11ac80	



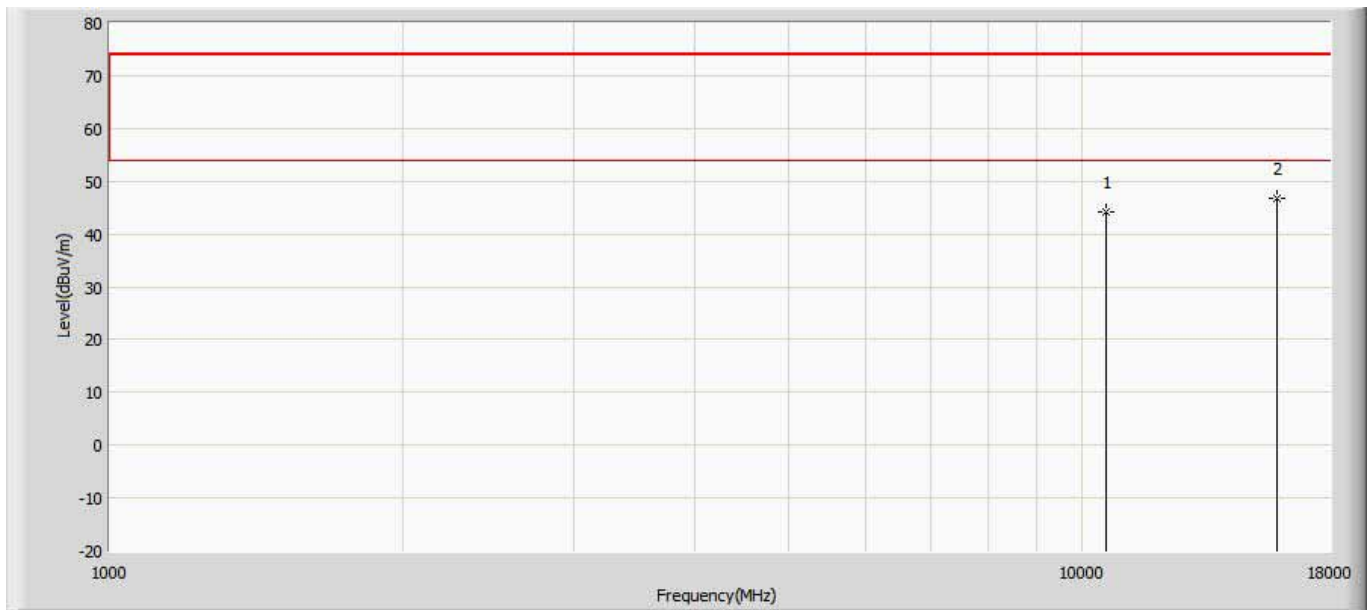
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10420.000	45.022	37.895	-28.978	74.000	7.127	PK
2	*	15630.000	45.546	36.011	-28.454	74.000	9.535	PK

Profile: Honeywell	Page No.: 323
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:43
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 802.11ac80	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10580.000	44.235	37.466	-29.765	74.000	6.769	PK
2	*	15870.000	46.798	36.847	-27.202	74.000	9.951	PK

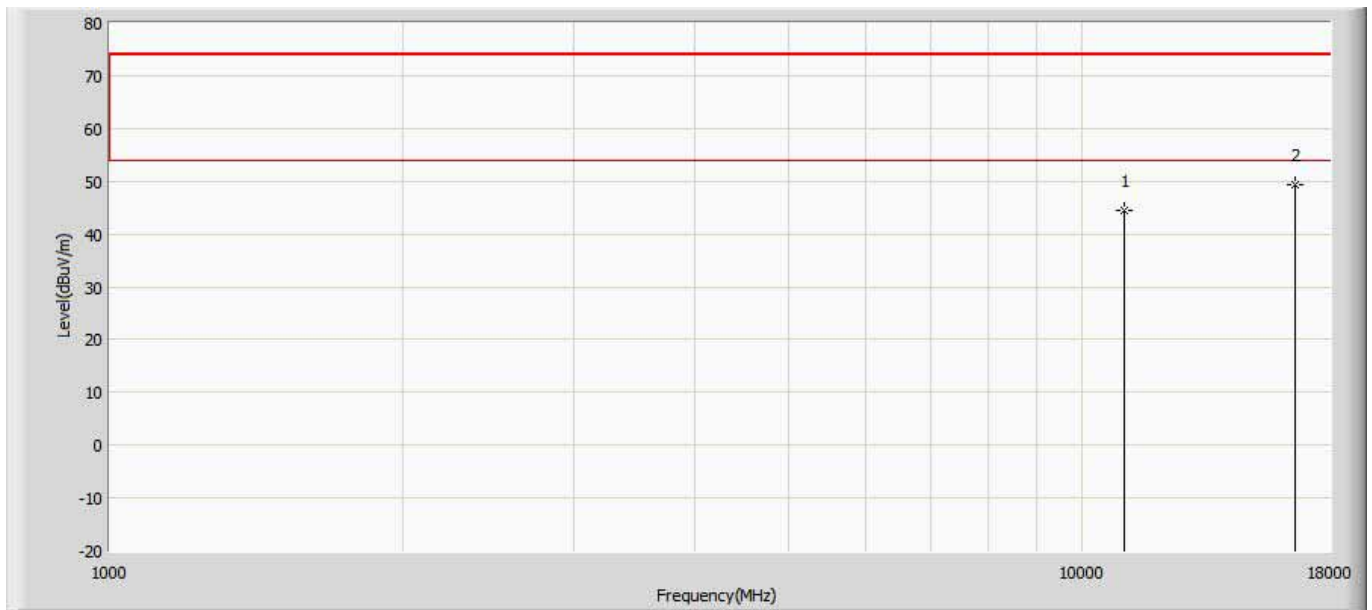
Profile: Honeywell	Page No.: 324
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:43
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 6:Transmit at 5290MHz 802.11ac80	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10580.000	44.187	37.418	-29.813	74.000	6.769	PK
2	*	15870.000	46.808	36.857	-27.192	74.000	9.951	PK

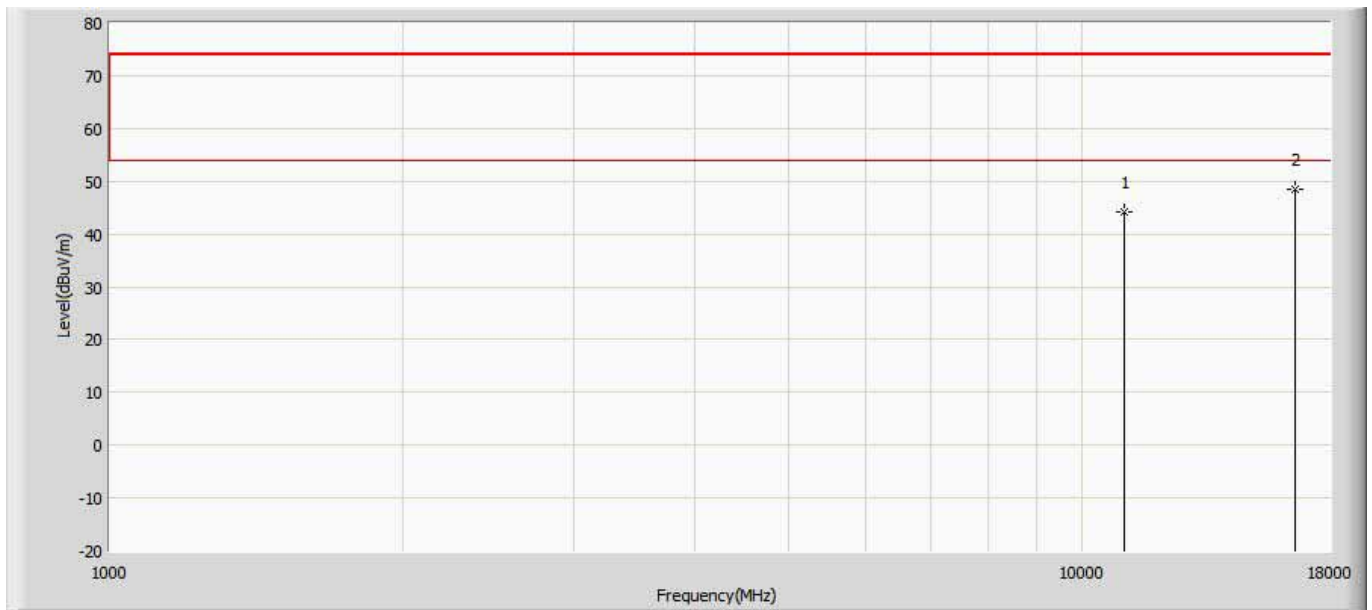


Profile: Honeywell	Page No.: 325
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:43
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Barcode Scanner	Power: AC 120V/60Hz
Note: Mode 6:Transmit at 5530MHz 802.11ac80	



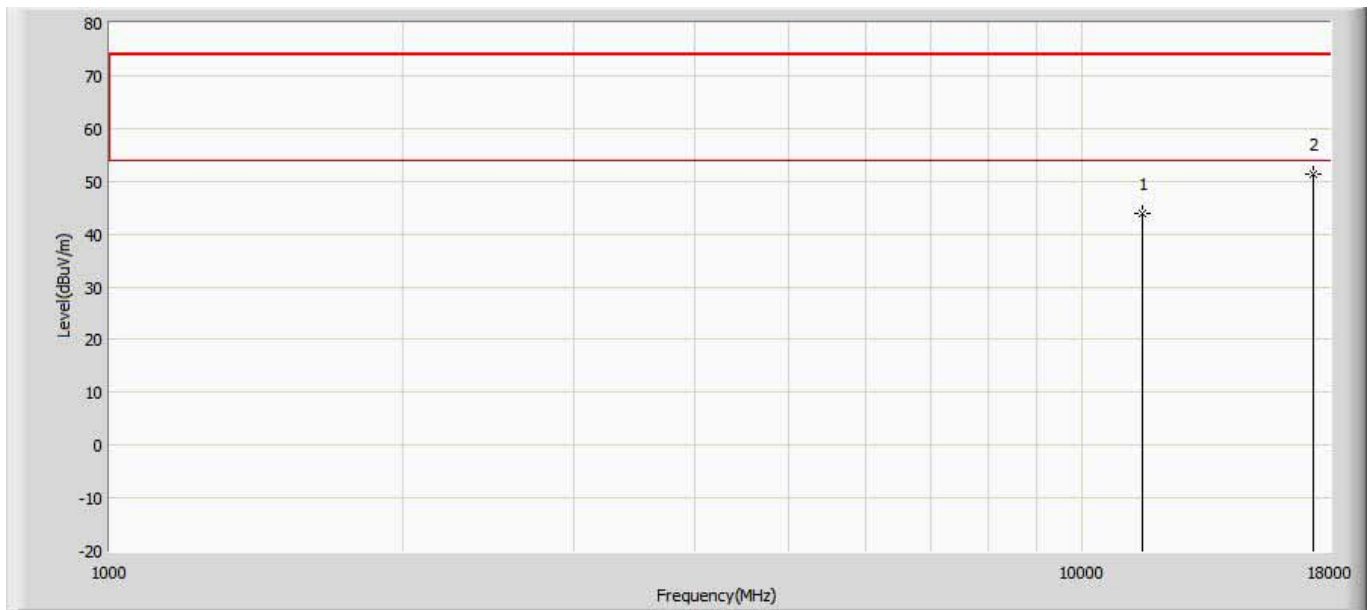
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11060.000	44.523	37.282	-29.477	74.000	7.241	PK
2	*	16590.000	49.269	37.524	-24.731	74.000	11.745	PK

Profile: Honeywell	Page No.: 326
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:43
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 802.11ac80	



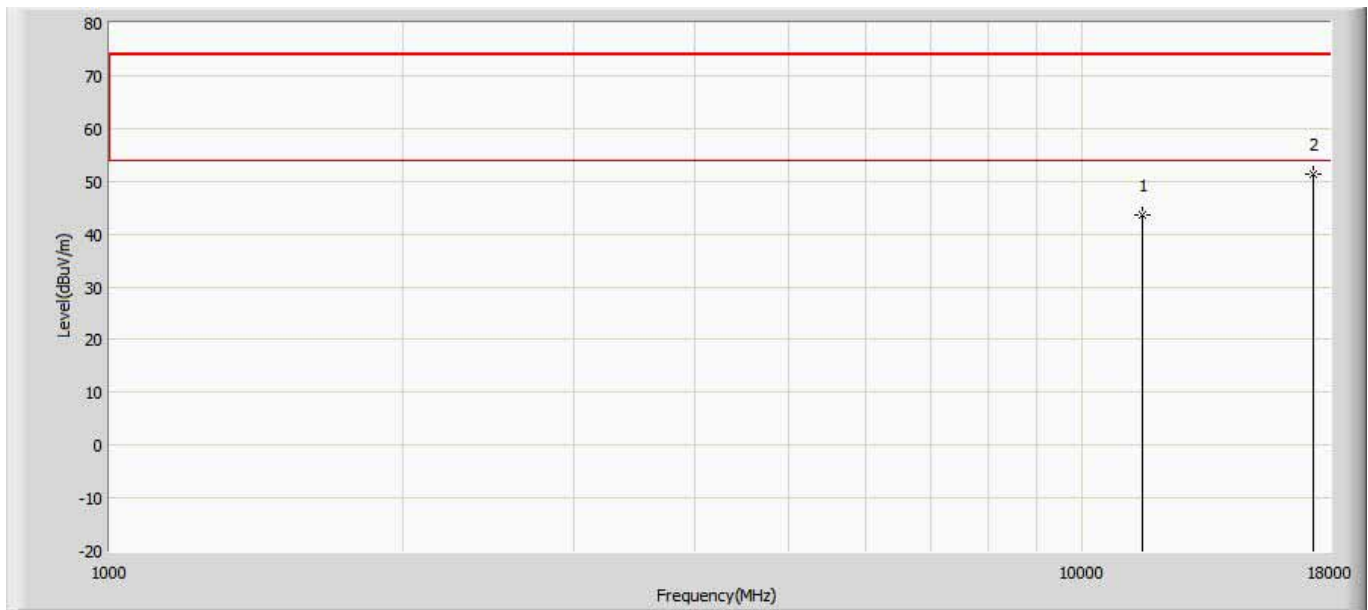
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11060.000	44.154	36.913	-29.846	74.000	7.241	PK
2	*	16590.000	48.599	36.854	-25.401	74.000	11.745	PK

Profile: Honeywell	Page No.: 327
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:44
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 802.11ac80	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11550.000	44.040	37.081	-29.960	74.000	6.959	PK
2	*	17325.000	51.482	37.769	-22.518	74.000	13.713	PK

Profile: Honeywell	Page No.: 328
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 11:44
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 802.11ac80	



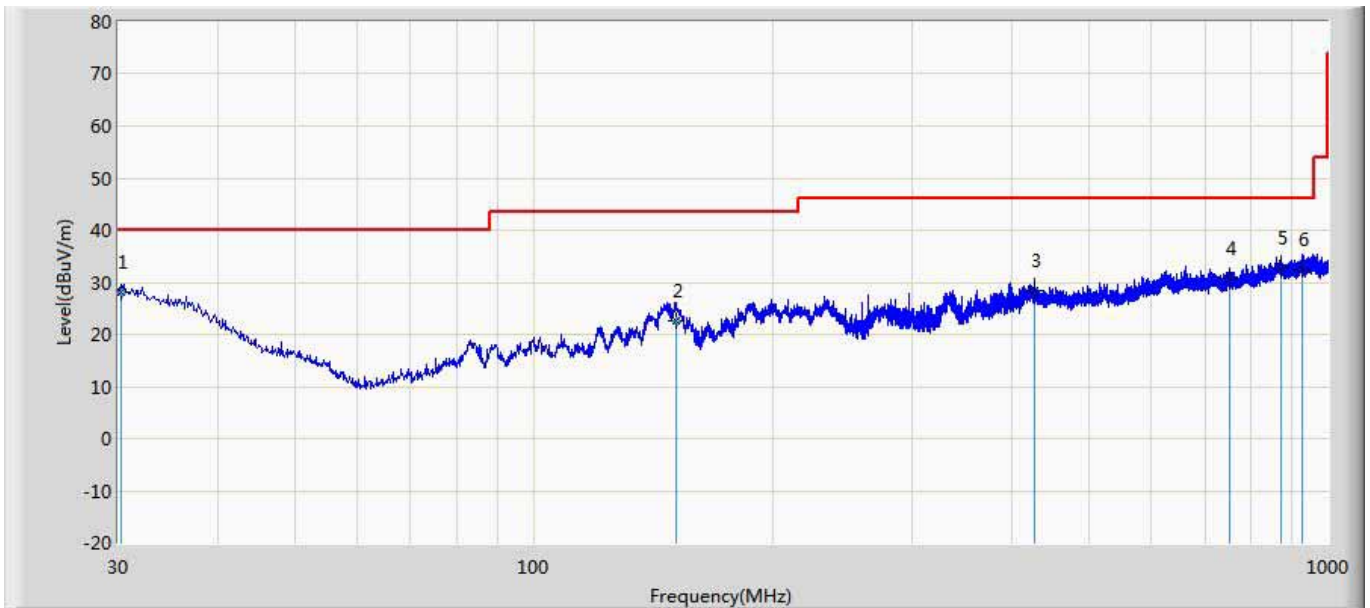
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11550.000	43.738	36.779	-30.262	74.000	6.959	PK
2	*	17325.000	51.303	37.590	-22.697	74.000	13.713	PK

**Note:**

1. Measured Level = Reading Level + Factor.
2. The test frequency range, 9kHz~30MHz, 18GHz~40GHz, both of the worst case are at least 20dB below the limits, therefore no data appear in the report.
3. This limit applies for using average detector, if the test result on peak is lower than average limit, then average measurement needn't be performed.
4. As the radiated emission was performed, so conducted emission was not tested.

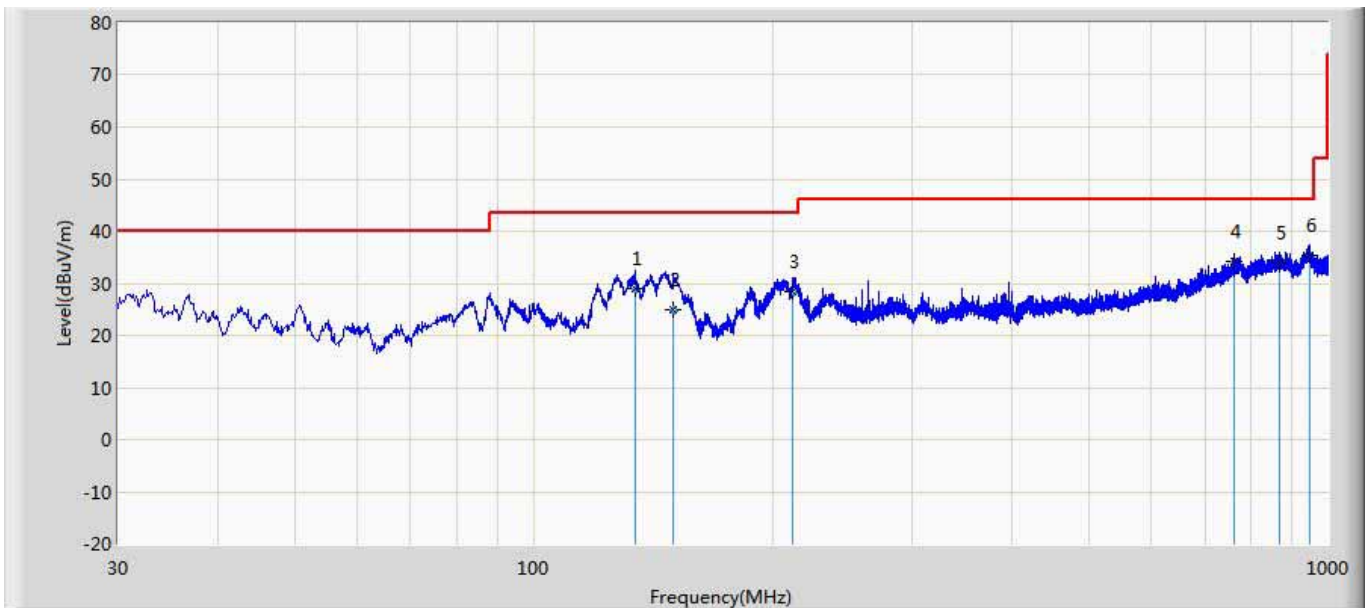
**The worst case of Radiated Emission below 1GHz:**

Engineer: Pawn	
Site: AC3	Time: 2018/03/14
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: Transmit at 5180MHz by 802.11a	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Probe (dB/m)	Cable (dB)	Amp (dB)	Ant Pos (cm)	Table Pos (deg)	Type
1	*	30.214	28.148	0.300	-11.852	40.000	21.393	6.455	0.000	100	144	QP
2		151.325	22.465	5.200	-21.035	43.500	10.174	7.091	0.000	100	149	QP
3		427.365	28.368	1.300	-17.632	46.000	19.089	7.979	0.000	100	156	QP
4		752.366	30.827	1.300	-15.173	46.000	20.749	8.779	0.000	100	48	QP
5		871.225	32.894	1.200	-13.106	46.000	22.660	9.034	0.000	100	265	QP
6		929.354	32.533	0.300	-13.467	46.000	23.073	9.160	0.000	100	214	QP

Engineer: Pawn	
Site: AC3	Time: 2018/03/14
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: Transmit at 5180MHz by 802.11a	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Probe (dB/m)	Cable (dB)	Amp (dB)	Ant Pos (cm)	Table Pos (deg)	Type
1		134.254	28.937	8.200	-14.563	43.500	13.728	7.009	0.000	100	241	QP
2		150.122	24.974	6.300	-18.526	43.500	11.588	7.086	0.000	100	145	QP
3		211.587	28.427	5.200	-15.073	43.500	15.904	7.323	0.000	100	159	QP
4		761.225	34.260	2.300	-11.740	46.000	23.165	8.795	0.000	100	360	QP
5		867.241	33.986	1.200	-12.014	46.000	23.764	9.022	0.000	100	147	QP
6	*	948.225	35.291	0.300	-10.709	46.000	25.795	9.197	0.000	100	122	QP

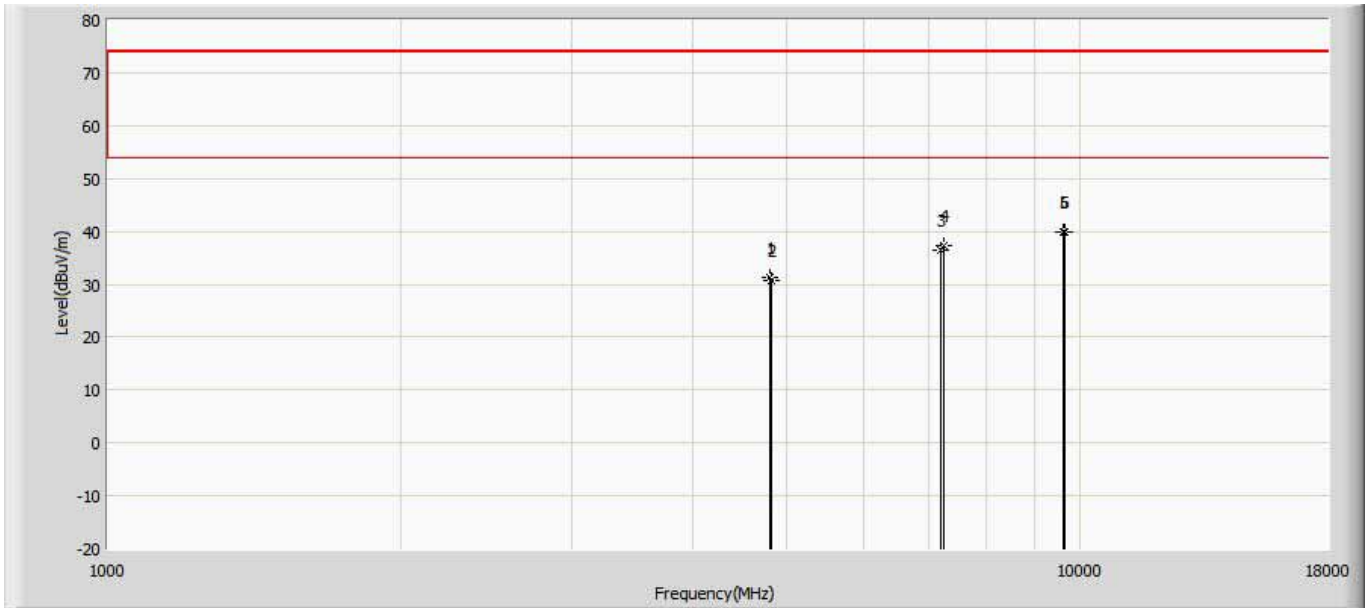
Note:

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

**The worst case of Simultaneous Radiated Emission:**

**The worst case of Simultaneous Radiated Emission:**

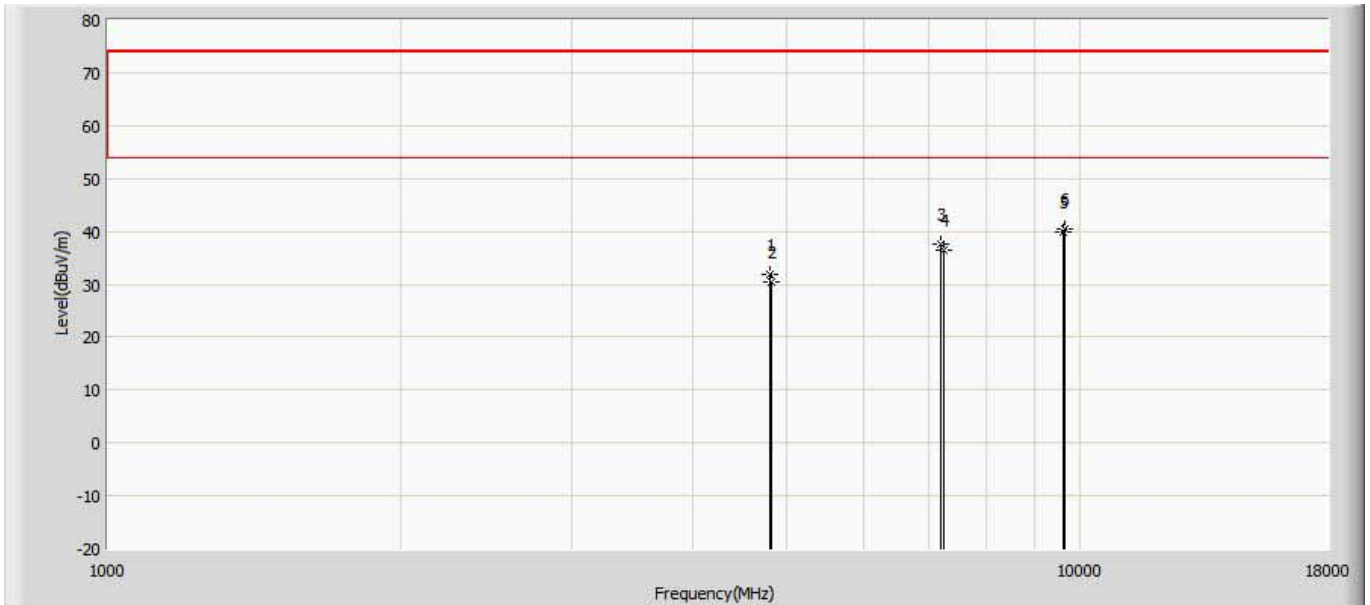
Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 09:34
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Barcode Scanner	Power: AC 120V/60Hz
Note: Transmit at 5180MHz by 802.11a + BDR	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4804.000	31.391	37.002	-42.609	74.000	-5.611	PK
2		4824.000	30.622	36.430	-43.378	74.000	-5.808	PK
3		7206.000	36.589	36.877	-37.411	74.000	-0.288	PK
4		7236.000	37.447	38.172	-36.553	74.000	-0.725	PK
5	*	9608.000	39.988	35.857	-34.012	74.000	4.131	PK
6		9648.000	39.814	35.404	-34.186	74.000	4.410	PK



Engineer: Pawn	
Site: AC5	Time: 2018/04/02 - 09:36
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Barcode Scanner	Power: AC 120V/60Hz
Note: Transmit at 5180MHz by 802.11a + BDR	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4804.000	31.852	37.463	-42.148	74.000	-5.611	PK
2		4824.000	30.379	36.187	-43.621	74.000	-5.808	PK
3		7206.000	37.563	37.851	-36.437	74.000	-0.288	PK
4		7236.000	36.403	37.128	-37.597	74.000	-0.725	PK
5		9608.000	39.753	35.622	-34.247	74.000	4.131	PK
6	*	9648.000	40.471	36.061	-33.529	74.000	4.410	PK

Note:

1. Measured Level = Reading Level + Factor.
2. The test frequency range, 9kHz~30MHz, 18GHz~26GHz, both of the worst case are at least 20dB below the limits, therefore no data appear in the report.
3. This limit applies for using average detector, if the test result on peak is lower than average limit, then average measurement needn't be performed.
4. As the radiated emission was performed, so conducted emission was not tested.

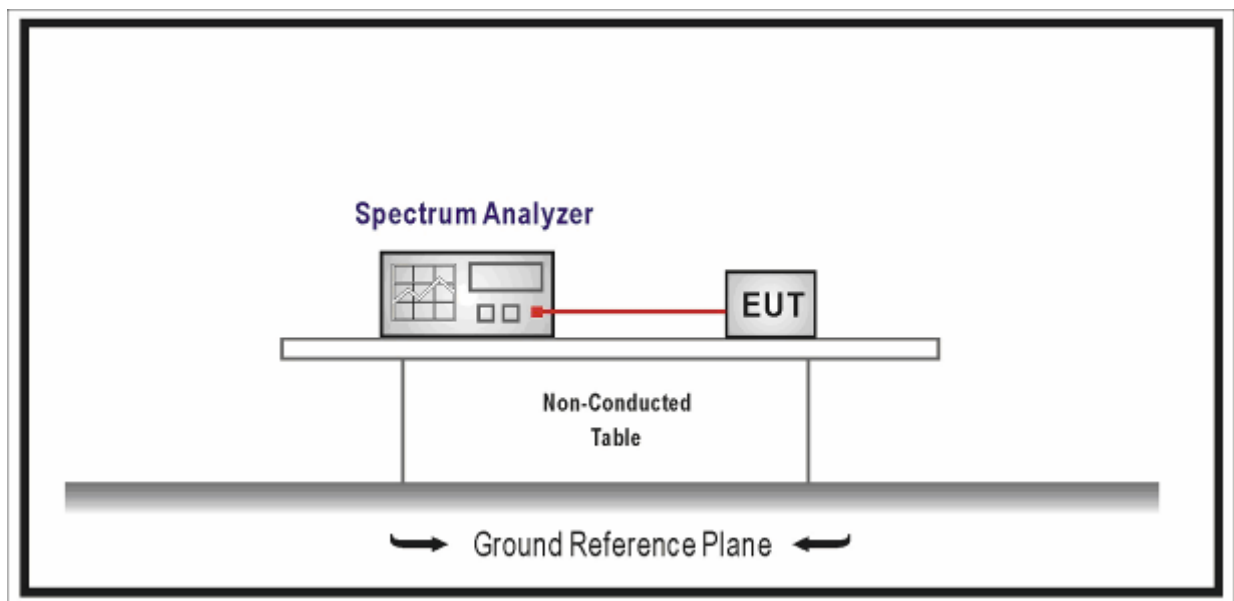
## 5. Emission bandwidth and occupied bandwidth

### 5.1. Test Equipment

Emission bandwidth and occupied bandwidth / TR-8					
Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Cal. Due Date
Spectrum Analyzer	Agilent	N9010A	MY48030494	2018.02.04	2019.02.03
EXA Spectrum Analyzer	Keysight	N9010A	MY55370495	2017.04.09	2018.04.08
MXA Signal Analyzer	Keysight	N9020A	MY56060147	2017.04.09	2018.04.08
Temperature/Humidity Meter	zhichen	ZC1-2	TR8-TH	2017.04.10	2018.04.09

Note: All equipment are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

### 5.2. Test Setup



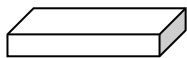
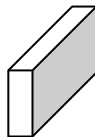
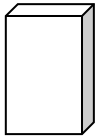
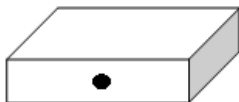


### 5.3. Limit

N/A

### 5.4. Test Procedure

Test Method			
	References Rule	Chapter	Description
<input type="checkbox"/>	ANSI C63.10	12.4	Emission bandwidth and occupied bandwidth
	<input type="checkbox"/> ANSI C63.10	12.4.1	Emission bandwidth (26dB)
	<input type="checkbox"/> ANSI C63.10	12.4.2	Occupied bandwidth (99%)
<input checked="" type="checkbox"/>	FCC KDB 789033 D02v01r04	C	Bandwidth Measurement
	<input checked="" type="checkbox"/> FCC KDB 789033 D02v01r04	C.1	Emission Bandwidth (26dB)
	<input type="checkbox"/> FCC KDB 789033 D02v01r04	C.2	Minimum Emission Bandwidth for the band 5.725-5.85 GHz (6dB)
<input checked="" type="checkbox"/>	FCC KDB 789033 D02v01r04	D	99 Percent Occupied Bandwidth

**5.5. EUT test Axis definition**

Item	Occupied bandwidth			
Device Category	<input type="checkbox"/>	Indoor use		
	<input type="checkbox"/>	Outdoor use		
	<input type="checkbox"/>	Fix position use		
	<input checked="" type="checkbox"/>	Client use		
Test mode	Mode 1-6			
Test method	<input type="checkbox"/>	Radiated		
		X Axis	Y Axis	Z Axis
				
		Worst Axis <input type="checkbox"/>	Worst Axis <input type="checkbox"/>	Worst Axis <input type="checkbox"/>
	<input checked="" type="checkbox"/>	Conducted		
	<input checked="" type="checkbox"/>	Chain 1		
				
	<input type="checkbox"/>	Chain 1	Chain 2	
				
	<input type="checkbox"/>	Chain 1	Chain 2	Chain 3
				

**5.6. Test Result**

Product Name	: Barcode Scanner	Power	: AC 120V/60Hz
Test Mode	: Mode 1~6	Test Site	: TR8
Test Date	: 2018.03.20	Test Engineer	: Pawn

<b>Mode 1: Transmit by 802.11a</b>					
Channel No.	Frequency (MHz)	26dB Occupied Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Lower/Higher Frequency (MHz)	Result
		Ant1(Worst Data)	Ant1(Worst Data)	Ant1(Worst Data)	
36	5180	19.99	16.683	5171.658	Pass
40	5220	20.42	16.713	N/A	Pass
48	5240	21.48	16.671	5248.335	Pass
52	5260	19.82	16.664	N/A	Pass
60	5300	19.51	16.670	N/A	Pass
64	5320	19.99	16.624	N/A	Pass
100	5500	19.66	16.691	N/A	Pass
116	5580	19.97	16.698	N/A	Pass
140	5700	19.67	16.697	N/A	Pass

<b>Mode 2: Transmit by 802.11n(20MHz)</b>					
Channel No.	Frequency (MHz)	26dB Occupied Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Lower/Higher Frequency (MHz)	Result
		Ant1(Worst Data)	Ant1(Worst Data)	Ant1(Worst Data)	
36	5180	19.98	17.739	5171.131	Pass
40	5220	21.03	17.723	N/A	Pass
48	5240	22.81	17.719	5248.859	Pass
52	5260	19.94	17.709	N/A	Pass
60	5300	19.95	17.773	N/A	Pass
64	5320	19.91	17.751	N/A	Pass
100	5500	20.04	17.752	N/A	Pass
116	5580	21.09	17.753	N/A	Pass
140	5700	19.94	17.660	N/A	Pass

<b>Mode 3: Transmit by 802.11n(40MHz)</b>					
Channel No.	Frequency (MHz)	26dB Occupied Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Lower/Higher Frequency (MHz)	Result
		Ant1(Worst Data)	Ant1(Worst Data)	Ant1(Worst Data)	
38	5190	38.92	36.130	5171.935	Pass
46	5230	39.64	36.121	5248.061	Pass
54	5270	39.06	36.164	N/A	Pass
62	5310	40.44	36.271	N/A	Pass
102	5510	57.69	36.340	N/A	Pass
110	5550	39.25	36.217	N/A	Pass
134	5670	38.78	36.180	N/A	Pass

<b>Mode 4: Transmit by 802.11ac(20MHz)</b>					
Channel No.	Frequency (MHz)	26dB Occupied Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Lower/Higher Frequency (MHz)	Result
		Ant1(Worst Data)	Ant1(Worst Data)	Ant1(Worst Data)	
36	5180	19.95	17.728	5171.136	Pass
40	5220	25.76	17.706	N/A	Pass
48	5240	26.00	17.706	5248.853	Pass
52	5260	19.90	17.742	N/A	Pass
60	5300	19.84	17.693	N/A	Pass
64	5320	19.63	17.710	N/A	Pass
100	5500	19.69	17.730	N/A	Pass
116	5580	28.01	17.774	N/A	Pass
140	5700	19.73	17.728	N/A	Pass

<b>Mode 5: Transmit by 802.11ac(40MHz)</b>					
Channel No.	Frequency (MHz)	26dB Occupied Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Lower/Higher Frequency (MHz)	Result
		Ant1(Worst Data)	Ant1(Worst Data)	Ant1(Worst Data)	
38	5190	38.77	36.079	5171.961	Pass
46	5230	39.16	36.153	5248.076	Pass
54	5270	39.96	36.152	N/A	Pass
62	5310	42.91	36.310	N/A	Pass
102	5510	38.00	36.224	N/A	Pass
110	5550	39.82	36.284	N/A	Pass
134	5670	39.50	36.210	N/A	Pass

**Mode 6: Transmit by 802.11ac(80MHz)**

Channel No.	Frequency (MHz)	26dB Occupied Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Lower/Higher Frequency (MHz)	Result
		Ant1(Worst Data)	Ant1(Worst Data)	Ant1(Worst Data)	
42	5210	118.5	76.023	5171.988/5248.012	Pass
58	5290	120.0	76.361	N/A	Pass
106	5530	120.0	76.509	N/A	Pass

The worst case of Occupied Bandwidth as below:

**Mode 2: CH48 (5240MHz)**

