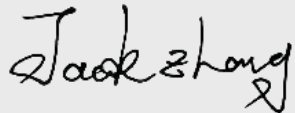


Test report No:
2290438R-RF-US-P09V01

FCC TEST REPORT

Product Name	BT & WLAN MODULE
Trademark	Alcatel-Lucent Enterprise
Model and /or type reference	BTWDB02
FCC ID	OL3BTWDB02
Applicant's name / address	ALE International 32, Avenue Kléber – 92700 Colombes – FRANCE
Test method requested, standard	FCC CFR Title 47 Part 15 Subpart E Section 15.407 ANSI C63.10: 2013 789033 D02 General UNII Test Procedures New Rules v02r01
Verdict Summary	IN COMPLIANCE
Documented by (name / position & signature)	Tim Cao/ Project Engineer 
Approved by (name / position & signature)	Jack Zhang/ Manager 
Date of issue	2022-12-09
Report Version	V1.0
Report template No	Template_FCC Part15E-RF-V1.0

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COMPETENCES AND GUARANTEES

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

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

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

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

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

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

GENERAL CONDITIONS

Test Location	No. 99, Hongye Road, Suzhou Industrial Park Suzhou, 215006, P.R. China
Date(receive sample)	Sep. 23, 2022
Date (start test)	Sep. 24, 2022
Date (finish test)	Nov. 23, 2022

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

ENVIRONMENTAL CONDITIONS

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

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

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

POSSIBLE TEST CASE VERDICTS

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

ABBREVIATIONS

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

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

DOCUMENT HISTORY

Report No.	Version	Description	Issued Date
2290438R-RF-US-P09V01	V1.0	Initial issue of report.	2022-12-09

REMARKS AND COMMENTS

1. The equipment under test (EUT) does meet the essential requirements of the stated standard(s)/test(s).
2. These test results on a sample of the device are for the purpose of demonstrating Compliance with Part 15 Subpart E Paragraph 15.407.
3. The measurement result is considered in conformance with the requirement if it is within the prescribed limit, It is not necessary to account the uncertainty associated with the measurement result.
4. The test results presented in this report relate only to the object tested.
5. The test report shall not be reproduced without the written approval of DEKRA Testing and Certification (Suzhou) Co., Ltd.
6. This report will not be used for social proof function in China market.
7. DEKRA declines any responsibility with the following test data provided by customer that may affect the validity of result:
 - Chapter 1.1 General Description of the Item(s);
 - Chapter 1.2 Antenna Informaion;
 - Chapter 1.3 Channel List;
 - Chapter 1.4 Power setting.

USED EQUIPMENT

AC Power Line Conducted Emission / TR1

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
EMI Test Receiver	R&S	ESCI	100573	2022.09.17	2023.09.16
Two-Line V-Network	R&S	ENV216	101044	2022.03.12	2023.03.11
Current Probe	R&S	EZ-17	100678	2021.12.31	2022.12.30
50ohm Termination	SHX	TF2	07081403	2022.09.04	2023.09.03
50ohm Coaxial Switch	Anritsu	MP59B	6200464462	N/A	N/A
Temperature/Humidity Meter	RTS	RTS-8S	TR1-TH	2022.07.07	2023.07.06
Temperature/Humidity Meter	RTS	RTS-8S	TR1-TH	2022.07.07	2023.07.06
Coaxial Cable	Suhner	RG 223	TR1-C2	2022.03.21	2023.03.20
Dekra test software	Dekra	-	-	-	-

Emissions in non-restricted frequency bands/ Occupied Bandwidth/ Fundamental emission output power Power Spectral Density / TR8

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
EXA Spectrum Analyzer	Agilent	N9020A	MY49100159	2022.09.18	2023.09.17
MXA Signal Analyzer	Keysight	N9020A	MY56060147	2022.07.14	2023.07.13
4TX MIMO Power Sensor	Keysight	X8750A	MY59400102	2022.03.16	2023.03.15
Coaxial Cable	Woken	N/A	N/A	2022.01.18	2023.01.17
Temperature/Humidity Meter	RTS	RTS-8S	RF08	2022.07.07	2023.07.06
Temperature/Humidity Meter	RTS	RTS-8S	RF08	2022.07.07	2023.07.06
Tonscend test software	Tonscend				

Radiated Emission(30MHz-1GHz) / AC3

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
EMI Test Receiver	R&S	ESCI	100573	2022.09.17	2023.09.16
Loop Antenna	R&S	HFH2-Z2	833799/003	2022.04.15	2023.04.14
Bilog Antenna	Teseq GmbH	CBL6112D	27611	2021.12.03	2022.12.02
Temperature/Humidity Meter	RTS	RTS-8S	AC3-TH	2022.07.09	2023.07.08
Temperature/Humidity Meter	RTS	RTS-8S	AC3-TH	2022.07.09	2023.07.08
Coaxial Cable	Huber+Suhner	RG 214	AC3-C	2022.03.30	2023.03.29
Dekra test software	Dekra	-	-	-	-

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

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
EXA Spectrum Analyzer	Keysight	N9010A	MY55370495	2022.08.12	2023.08.11
Pre-Amplifier	SKET	LNPA_0118G-45	SK2021090101	2021.12.13	2022.12.12
Preamplifier	CHENGYI	EMC184045SE	980263	2022.05.21	2023.05.20
DRG Horn	ETS-Lindgren	3117	00123988	2022.11.01	2023.10.31
Broad-Band Horn Antenna	Schwarzbeck	BBHA9170	294	2022.05.19	2023.05.18
Temperature/Humidity Meter	RTS	RTS-8S	AC5-TH	2022.07.07	2023.07.06
Temperature/Humidity Meter	RTS	RTS-8S	AC5-TH	2022.07.07	2023.07.06
Coaxial Cable	Huber+Suhner	SUCOFLEX 106	AC5-C1	2022.03.21	2023.03.20
Coaxial Cable	Huber+Suhner	SUCOFLEX 106	AC5-C2	2022.03.21	2023.03.20
Coaxial Cable	Huber+Suhner	SUCOFLEX 102	AC5-C3	2022.03.21	2023.03.20
Dekra test software	Dekra	-	-	-	-

UNCERTAINTY

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

Test item	Uncertainty
AC Power Line Conducted Emission	± 2.92 dB
Radiated Emission(30MHz~1GHz)	Horizontal: 30MHz~200MHz: 4.60 dB 200MHz~1GHz: 4.10 dB Vertical: 30MHz~200MHz: 4.80 dB 200MHz~1GHz: 4.10 dB
Radiated Emission(1GHz~40GHz)	Horizontal: 1GHz~18GHz: 5.00 dB Vertical: 1GHz~18GHz: 4.80 dB Horizontal: 18GHz~40GHz: 4.70 dB Vertical: 18GHz~40GHz: 4.60 dB
RF Antenna Port Conducted Emission	± 1.13 dB
Radiated Emission Band Edge	± 5.00 dB
Occupied Bandwidth	± 279 Hz
Power Spectral Density	± 1.13 dB
Frequency Stability	± 100 Hz

1 GENERAL INFORMATION

1.1 General Description of the Item(s)

Product Name..... :	BT & WLAN MODULE
Model No. :	BTWDB02
FCC ID :	OL3BTWDB02
HVIN..... :	BTWDB02
Manufacturer..... :	ALE International
Manufacturer address	32, Avenue Kléber – 92700 Colombes – FRANCE

Wireless specification..... :	WLAN								
Type of Modulation..... :	OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM								
Frequency Range	<table border="1"> <tr> <td>☐</td><td>Outdoor AP</td></tr> <tr> <td>☐</td><td>Indoor AP</td></tr> <tr> <td>☐</td><td>Fixed point-to-point AP</td></tr> <tr> <td>☒</td><td>Client devices</td></tr> </table>	☐	Outdoor AP	☐	Indoor AP	☐	Fixed point-to-point AP	☒	Client devices
☐	Outdoor AP								
☐	Indoor AP								
☐	Fixed point-to-point AP								
☒	Client devices								
	☒ 5150MHz~5250MHz ☒ 5250MHz~5350MHz ☒ 5470MHz~5725MHz ☒ 5725MHz~5850MHz								
Date Rate	802.11a: 6/9/12/18/24/36/48/54 Mbps 802.11n: up to 300 Mbps 802.11ac: up to 866.6 Mbps								
Type of DFS..... :	☐ Master device ☐ Slave device with radar detection function ☒ Slave device without radar detection function								

Rated power supply	<table border="1"> <tr> <th colspan="2">Voltage and Frequency</th> </tr> <tr> <td>☐</td><td>AC: 220 – 240 V, 50/60 Hz</td></tr> <tr> <td>☒</td><td>DC:3.3V</td></tr> <tr> <td>☐</td><td>Adapter:</td></tr> <tr> <td>☐</td><td>Battery:.....</td></tr> </table>	Voltage and Frequency		☐	AC: 220 – 240 V, 50/60 Hz	☒	DC:3.3V	☐	Adapter:	☐	Battery:.....
Voltage and Frequency											
☐	AC: 220 – 240 V, 50/60 Hz										
☒	DC:3.3V										
☐	Adapter:										
☐	Battery:.....										
Mounting position	☐ Table top equipment ☐ Wall/Ceiling mounted equipment ☐ Floor standing equipment ☐ Head-mounted equipment ☒ Other: Module										

1.2 Antenna Information

Antenna model / type number	N/A		
Antenna serial number	N/A		
Antenna Delivery	☒	1TX + 1RX	
	☐	2TX + 2RX	
	☐	Others:.....	
Antenna technology	☒	SISO	
	☐	MIMO	☐ CDD
			☐ Beam-forming
Antenna Type	☐	External	☐ Dipole
			☐ Sectorized
			☐ PCB
	☒	Internal	☐ PIFA
			☒ PCB
			☐ Metal Antenna
			☐ Others.....
	Antenna Gain.....	Frequency	
5150MHz~5250MHz		0.46	
5250MHz~5350MHz		2.26	
5470MHz~5725MHz		2.94	
5725MHz~5850MHz		3.0	

1.3 Channel List

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	5260 MHz	56	5280 MHz	60	5300 MHz	64	5320 MHz
100	5500 MHz	104	5520 MHz	108	5540 MHz	112	5560 MHz
116	5580 MHz	120	5600 MHz	124	5620 MHz	128	5640 MHz
132	5660 MHz	136	5680 MHz	140	5700 MHz	149	5745 MHz
153	5765 MHz	157	5785 MHz	161	5805 MHz	165	5825 MHz

Note: The test rate is the lowest rate of 802.11a/n/ac(20MHz), 11n/ac(40MHz), 11ac(80MHz).

1.4 Power Setting

Power Setting																										
Frequ ency (MHz)	CH42				CH58				CH106				CH122				CH138				CH155					
	5210				5290				5530				5610				5690				5775					
	CH38		CH46		CH54		CH62		CH102		CH110		CH118		CH126		CH134		CH142		CH151		CH159			
	5190		5230		5270		5310		5510		5550		5590		5630		5670		5710		5755		5795			
	CH 36	CH 40	CH 44	CH 48	CH 52	CH 56	CH 60	CH 64	CH 100	CH 104	CH 108	CH 112	CH 116	CH 120	CH 124	CH 128	CH 132	CH 136	CH 140	CH 144	CH 149	CH 153	CH 157	CH 161		CH 165
	51 80	52 00	52 20	52 40	52 60	52 80	53 00	53 20	550 0	552 0	554 0	556 0	558 0	560 0	562 0	564 0	566 0	568 0	570 0	572 0	574 5	576 5	578 5	580 5		582 5
11a	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
11n/ac -20	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	

Note: The General Description of the Item, Antenna Information, Channel List and Power Setting in clause 1 are provided and confirmed by the client.

2 DESCRIPTION OF TEST SETUP

2.1 Operating mode(s) used for tests

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

Test Mode	Mode 1: Transmit by 802.11a
	Mode 2: Transmit by 802.11n (20MHz)
	Mode 3: Transmit by 802.11ac (20MHz)

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

2.2 Accessories Information

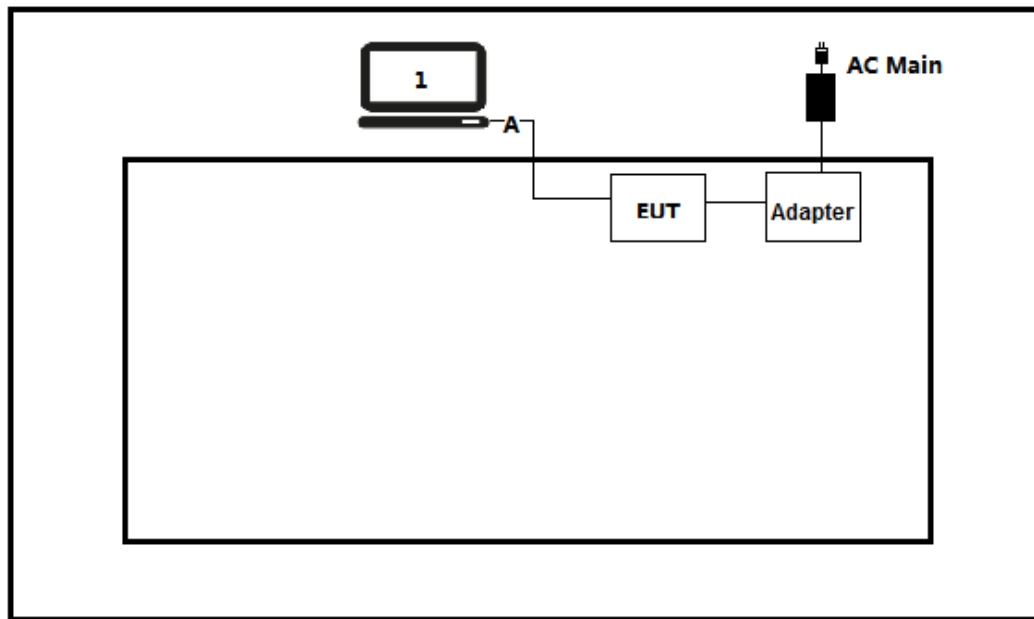
Accessories Information	Brand/model name	Cable		
		Length used during test [m]	Attached during test	Shielded
LAN cable	LAN Cable	1	☒	☐
LAN cable	LAN Cable	1.8	☒	☐

2.3 Auxiliary equipment / Test software for the EUT

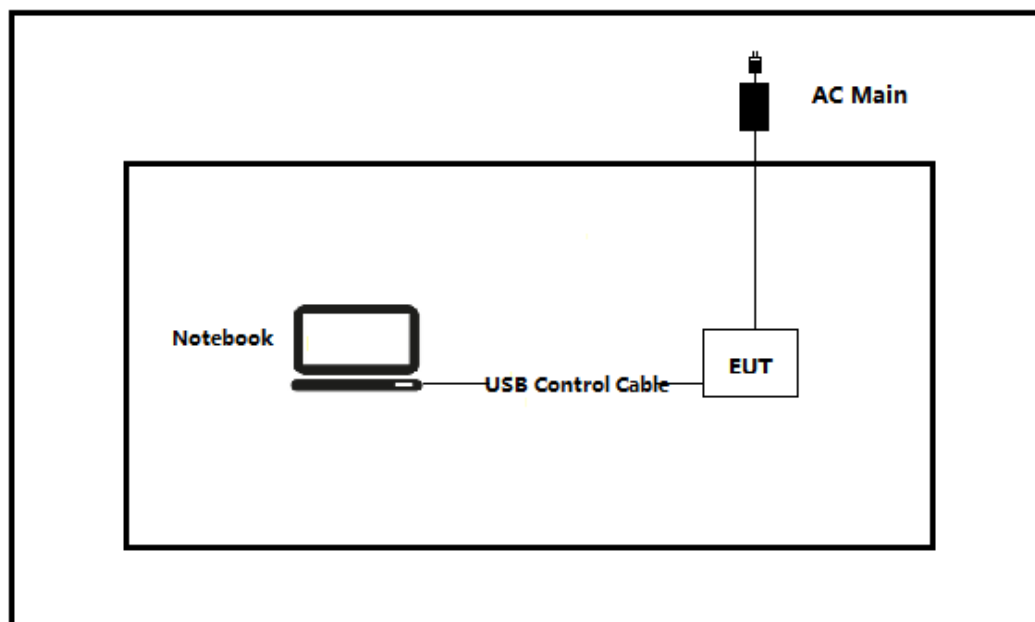
Auxiliary equipment	Type / Version	Manufacturer	Supplied by
Notebook	Think pad x220	Lenovo	Adapter
software	Type / Version	Manufacturer	Supplied by
PUTTY	N/A	N/A	N/A

2.4 Test Configuration / Block diagram used for tests

Test setup Diagram- AC Line Conducted Emission Test



Test setup Diagram- Radiated Emission



2.5 Testing process

1	Setup the EUT as shown in Section 2.4.
2	Execute the "PUTTY" and Enter the corresponding instructions on the notebook.
3	Configure the test mode, the test channel, and the data rate.
4	Verify that the EUT works properly.

3 VERDICT SUMMARY SECTION

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

3.1 Standards

Standard	Year	Description
FCC CFR Title 47 Part 15 Subpart E Section 15.407	2020	General technical requirements for 5.15-5.25 GHz; 5.25-5.35 GHz; 5.47-5.725 GHz; 5.725-5.85 GHz.
ANSI C63.10	2013	American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices
KDB 789033 D02v02r01	2017	This document provides guidance for determining emissions compliance of U-NII devices under Part 15, Subpart E of the FCC rules.

3.2 Deviation(s) from the Standard(s) / Test Specification(s)

The following deviation(s) was / were made from the published requirements of the listed standards: N/A.

(Please define the deviations from the standard(s) if applicable)

3.3 Overview of results

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

Note 1: For all test items except output power, we have evaluated all antenna configuration, only the worst data was shown in the report.

4 TEST RESULTS

4.1 AC Power Line Conducted Emission

VERDICT: N/A

4.1.1 Limit

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

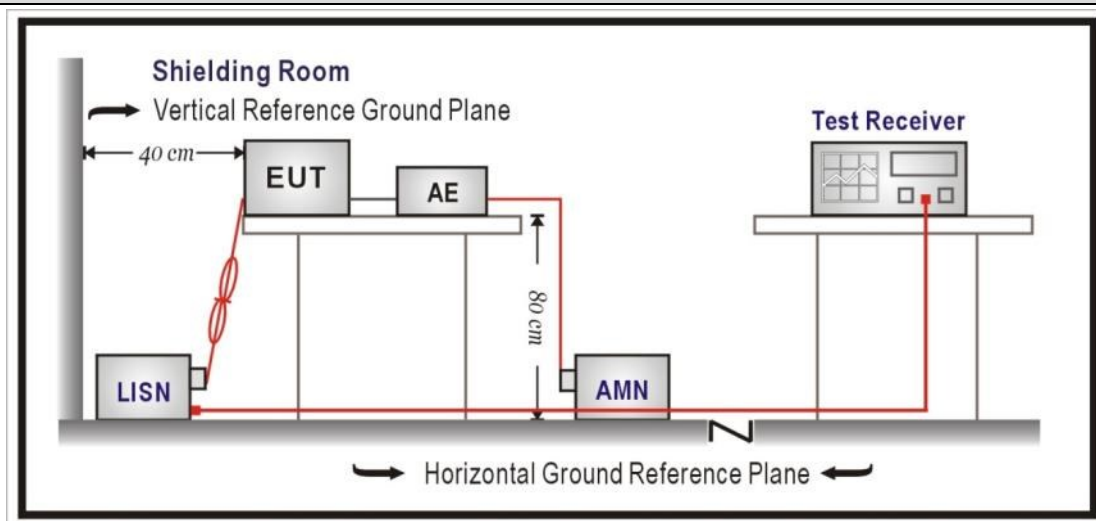
¹⁾ At the transition frequency, the lower limit applies.

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

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

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

4.1.2 Test Setup



4.1.3 Test Procedure

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

4.1.4 Test Data

N/A: The EUT is powered by DC.

4.2 Radiated Emissions**VERDICT: PASS****4.2.1 Limit**

Standard		FCC Part 15 Subpart C Paragraph 15.207	
Restricted Bands of operation			
Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (GHz)
0.090 – 0.110	16.42 – 16.423	399.9 – 410	4.5 – 5.15
0.495 – 0.505	16.69475 –16.69525	608 – 614	5.35 – 5.46
2.1735 – 2.1905	16.80425 – 16.80475	960 – 1240	7.25 – 7.75
4.125 – 4.128	25.5 – 25.67	1300 – 1427	8.025 – 8.5
4.17725 – 4.17775	37.5 – 38.25	1435 – 1626.5	9.0 – 9.2
4.20725 – 4.20775	73 – 74.6	1645.5 – 1646.5	9.3 – 9.5
6.215 – 6.218	74.8 – 75.2	1660 – 1710	10.6 – 12.7
6.26775 – 6.26825	108 – 121.94	1718.8 – 1722.2	13.25 – 13.4
6.31175 – 6.31225	123 – 138	2200 – 2300	14.47 – 14.5
8.291 – 8.294	149.9 – 150.05	2310 – 2390	15.35 – 16.2
8.362 – 8.366	156.52475 – 156.52525	2483.5 – 2500	17.7 – 21.4
8.37625 – 8.38675	156.7 – 156.9	2690 – 2900	22.01 – 23.12
8.81425 – 8.81475	162.0125 – 167.17	3260 – 3267	23.6 – 24.0
12.29 – 12.293	167.72 – 173.2	3332 – 3339	31.2 – 31.8
12.51975–12.52025	240 – 285	3345.8 – 3358	36.43 – 36.5
12.57675–12.57725	322 – 335.4	3600 – 4400	
13.36 – 13.41			

Restricted Band Emissions Limit

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

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

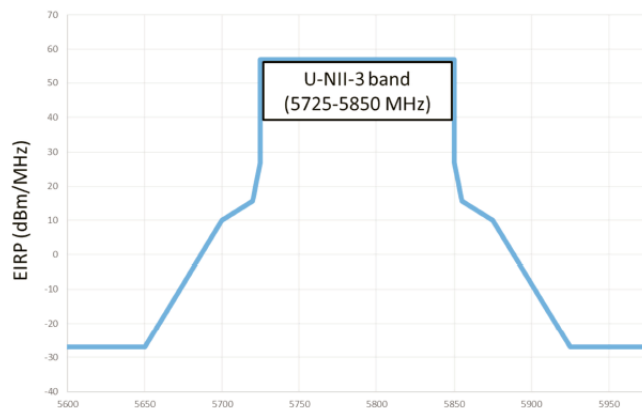
Note 2: At frequencies at or above 30 MHz, measurements may be performed at a distance other than what is specified provided: measurements are not made in the near field except where it can be shown that near field measurements are appropriate due to the characteristics of the device; and it can be demonstrated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

Measurements shall not be performed at a distance greater than 30 meters unless it can be further demonstrated that measurements at a distance of 30 meters or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse linear-distance for field strength measurements; inverse-linear-distance-squared for power density measurements).

FCC Part 15 Subpart C Paragraph 15.407(5)(b) (Unrestricted Band Emissions Limit)

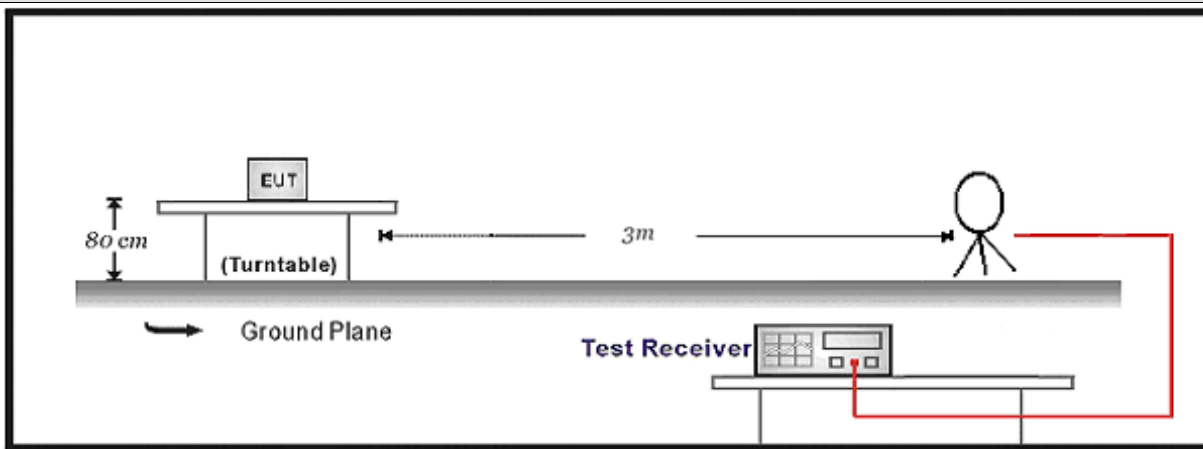
Operating Frequency Band (MHz)	EIRP Limit (dBm/MHz)	Equivalent Field Strength at 3m (dB μ V/m)
5150 - 5250	-27	68.3
5250 - 5350	-27	68.3
5470 - 5725	-27	68.3
Operating Frequency Band (MHz)	EIRP Limit (dBm/MHz)	

5725 - 5850

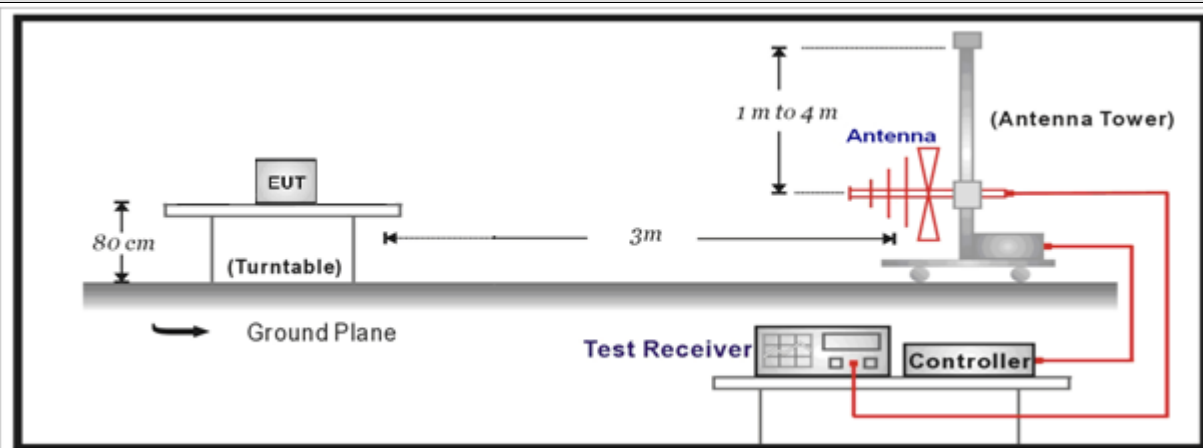


4.2.2 Test Setup

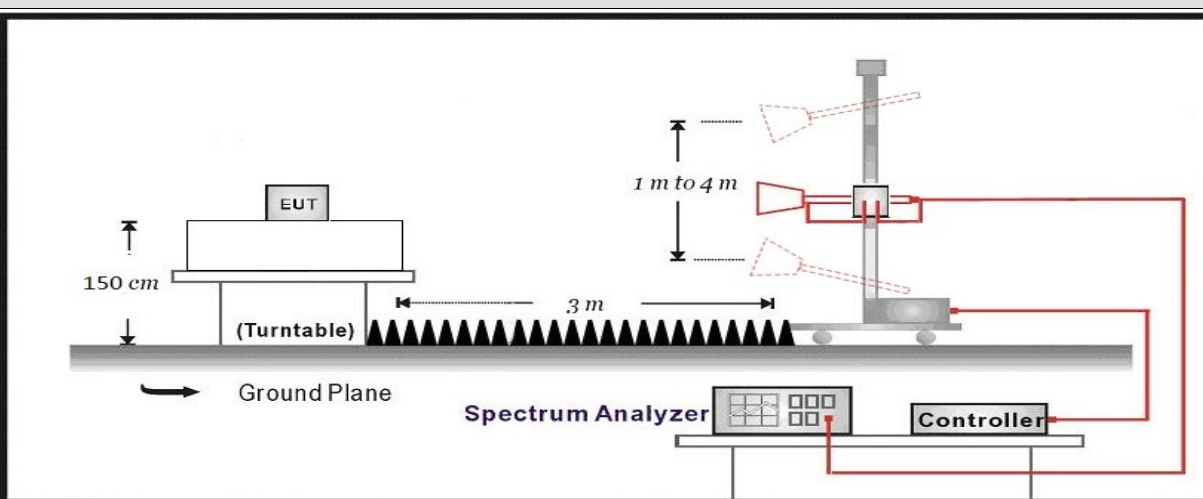
Below 30MHz Test Setup:



30MHz-1GHz Test Setup:



Above 1GHz Test Setup:

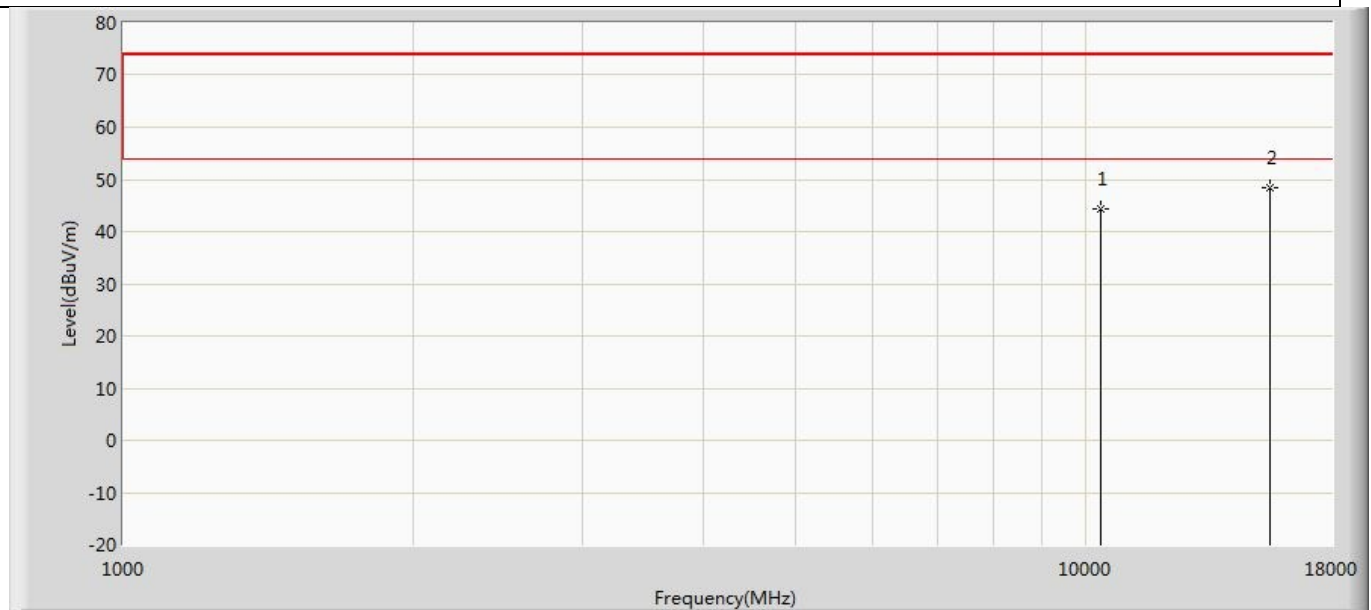


4.2.3 Test Procedure

	References Rule		Chapter	Description
☒	ANSI C63.10		11.12	Emissions in restricted frequency bands
	☒	ANSI C63.10	11.12.1	Radiated emission measurements
	☒	ANSI C63.10	11.12.2.7	Radiated spurious emission test
	☒	ANSI C63.10	6.4	Radiated emissions from unlicensed wireless devices below 30 MHz
	☒	ANSI C63.10	6.5	Radiated emissions from unlicensed wireless devices in the frequency range of 30 MHz to 1000 MHz
	☒	ANSI C63.10	6.6	Radiated emissions from unlicensed wireless devices above 1 GHz

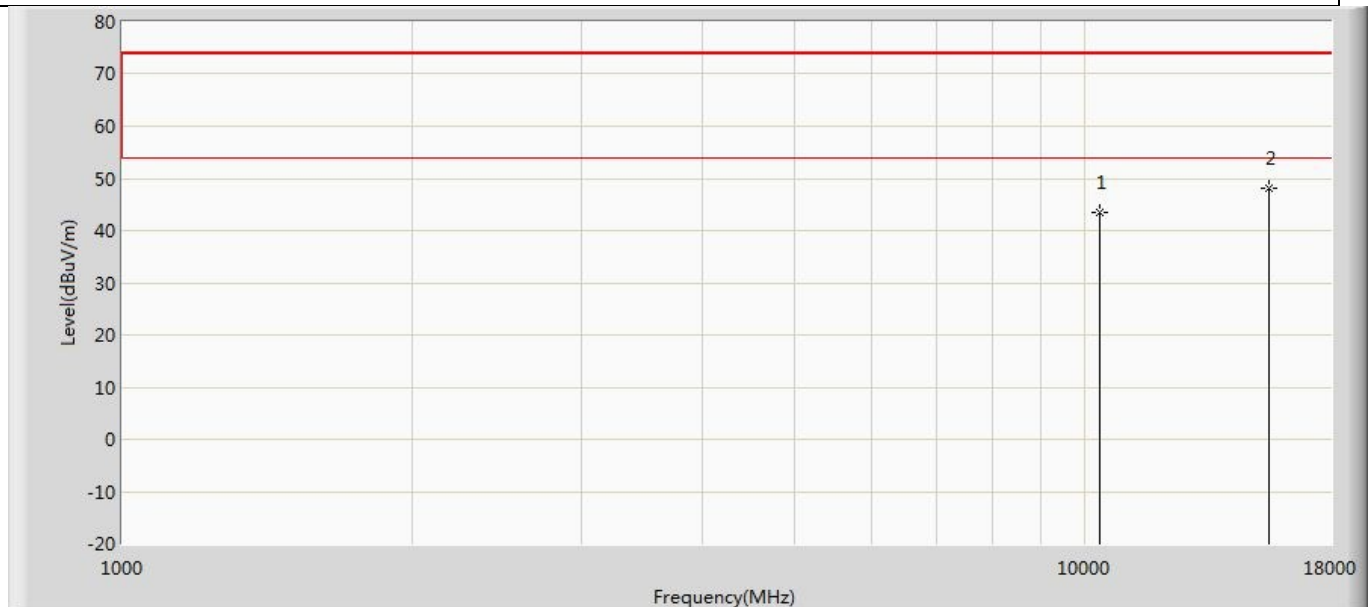
4.2.4 Test Data

Profile: 2290438R	Page No.: 73
Engineer: Yu Liu	
Site: AC5	Time: 2022/11/09 - 01:10
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Horizontal
EUT: BTWDB02	Power: DC 3.3V
Note: Mode 1: Transmit at 5180MHz by 11a	



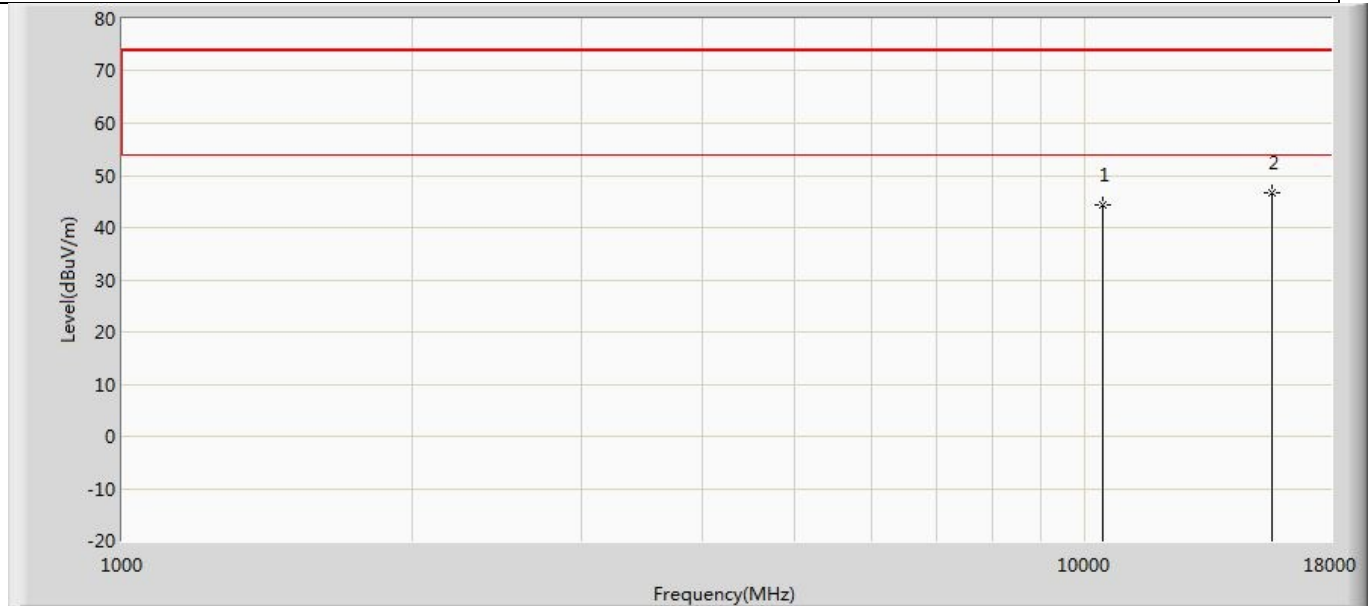
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10360.000	44.441	51.853	-29.559	74.000	-7.412	PK
2	*	15540.000	48.514	52.627	-25.486	74.000	-4.113	PK

Profile: 2290438R	Page No.: 74
Engineer: Yu Liu	
Site: AC5	Time: 2022/11/09 - 01:10
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Vertical
EUT: BTWDB02	Power: DC 3.3V
Note: Mode 1: Transmit at 5180MHz by 11a	



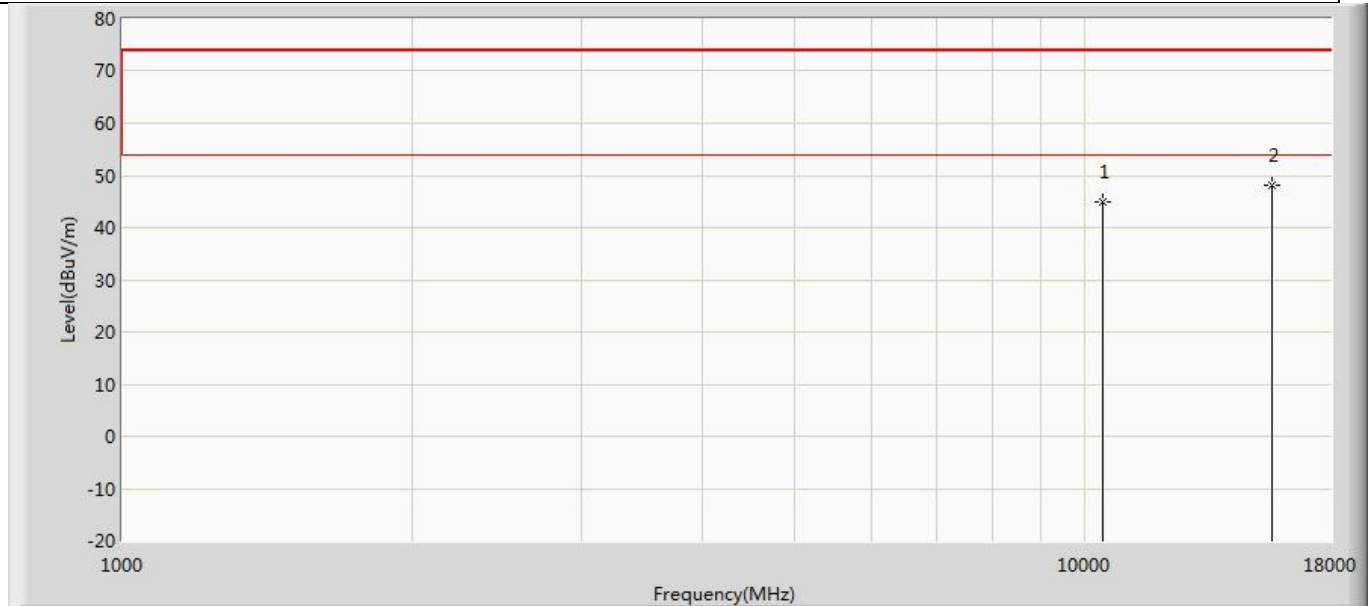
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10360.000	43.458	50.870	-30.542	74.000	-7.412	PK
2	*	15540.000	48.165	52.278	-25.835	74.000	-4.113	PK

Profile: 2290438R	Page No.: 75
Engineer: Yu Liu	
Site: AC5	Time: 2022/11/09 - 01:10
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Horizontal
EUT: BTWDB02	Power: DC 3.3V
Note: Mode 1: Transmit at 5220MHz by 11a	



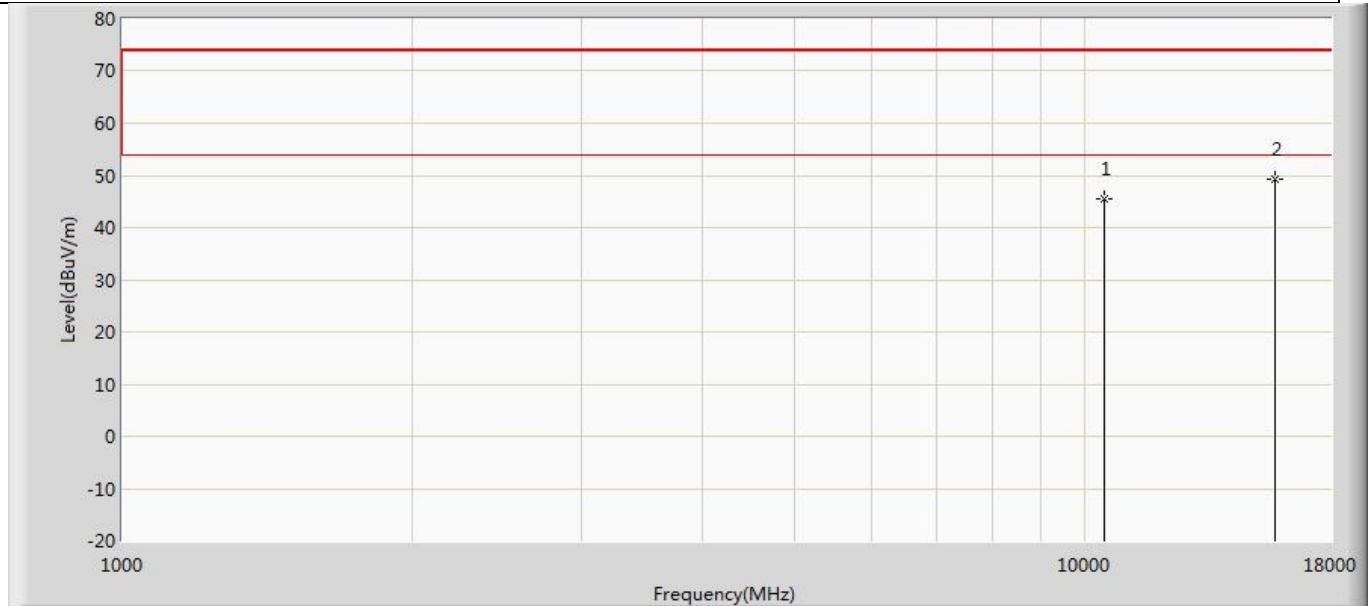
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10440.000	44.275	51.514	-29.725	74.000	-7.239	PK
2	*	15660.000	46.691	50.913	-27.309	74.000	-4.221	PK

Profile: 2290438R	Page No.: 76
Engineer: Yu Liu	
Site: AC5	Time: 2022/11/09 - 01:10
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Vertical
EUT: BTWDB02	Power: DC 3.3V
Note: Mode 1: Transmit at 5220MHz by 11a	



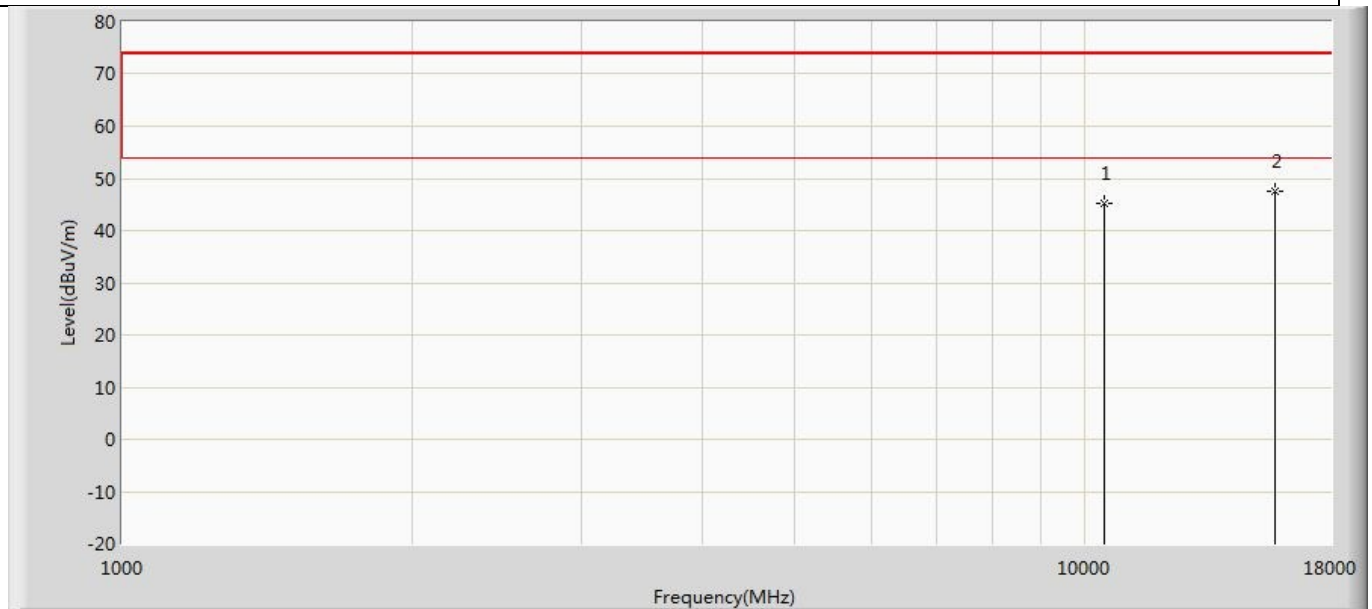
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10440.000	44.844	52.083	-29.156	74.000	-7.239	PK
2	*	15660.000	48.066	52.288	-25.934	74.000	-4.221	PK

Profile: 2290438R	Page No.: 77
Engineer: Yu Liu	
Site: AC5	Time: 2022/11/09 - 01:11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Horizontal
EUT: BTWDB02	Power: DC 3.3V
Note: Mode 1: Transmit at 5240MHz by 11a	



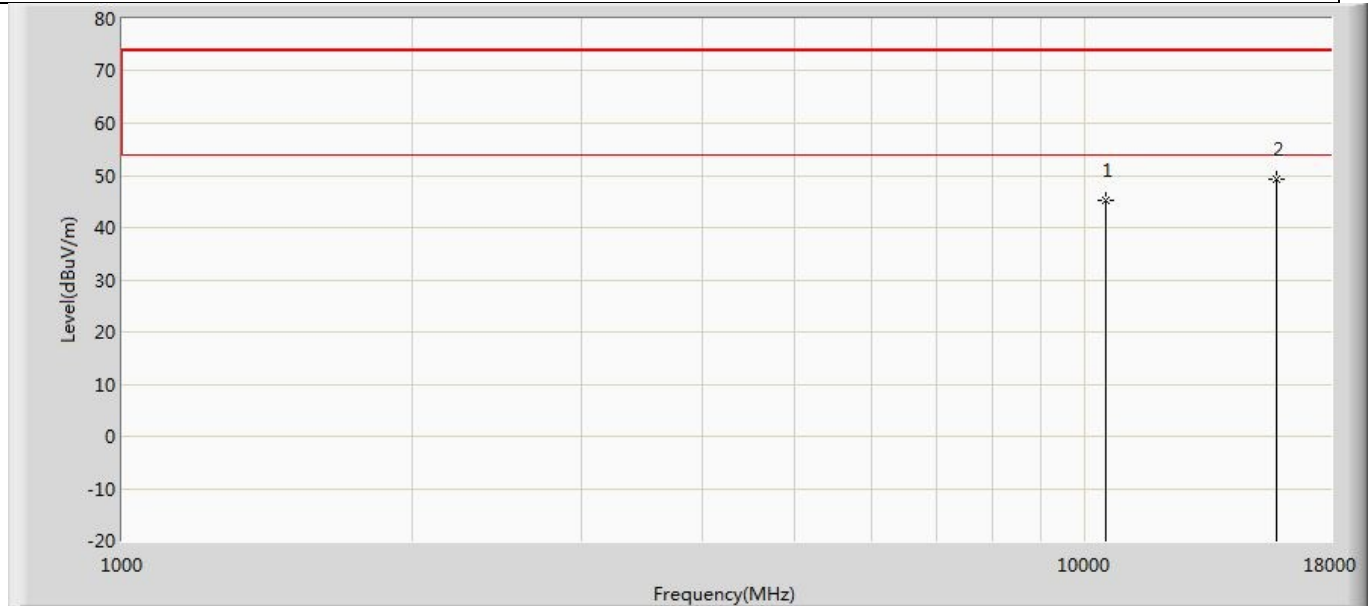
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10480.000	45.410	52.434	-28.590	74.000	-7.024	PK
2	*	15720.000	49.383	53.041	-24.617	74.000	-3.658	PK

Profile: 2290438R	Page No.: 78
Engineer: Yu Liu	
Site: AC5	Time: 2022/11/09 - 01:11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Vertical
EUT: BTWDB02	Power: DC 3.3V
Note: Mode 1: Transmit at 5240MHz by 11a	



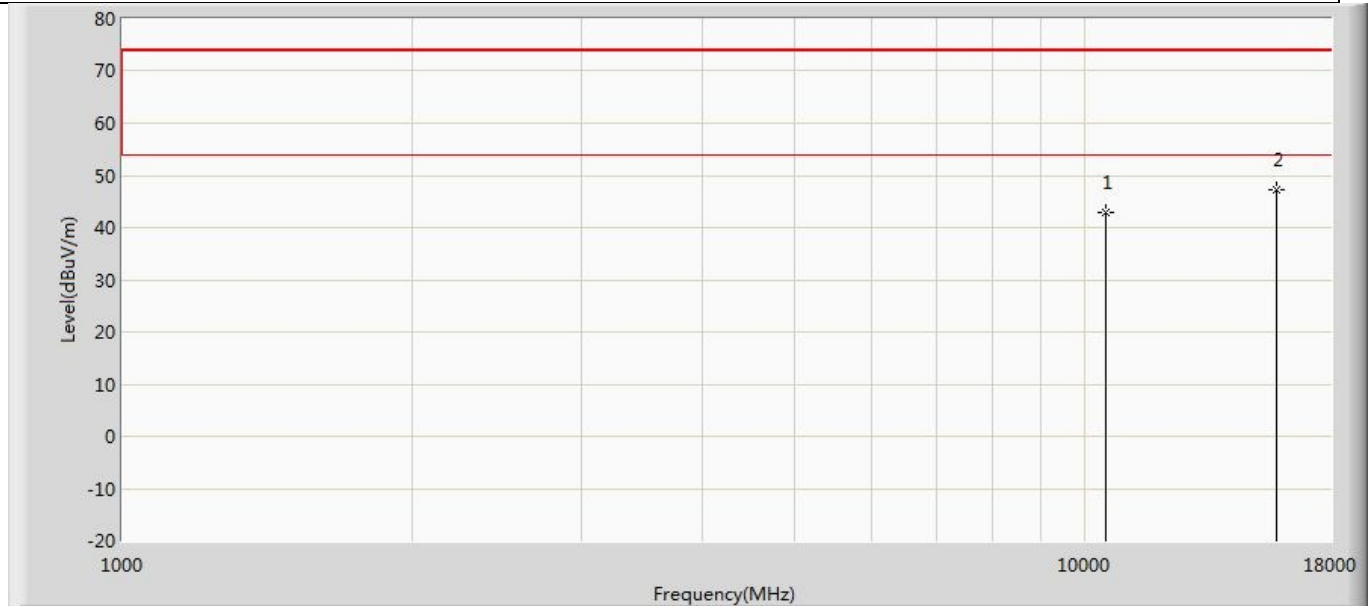
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10480.000	45.165	52.189	-28.835	74.000	-7.024	PK
2	*	15720.000	47.566	51.224	-26.434	74.000	-3.658	PK

Profile: 2290438R	Page No.: 79
Engineer: Yu Liu	
Site: AC5	Time: 2022/11/09 - 01:11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Horizontal
EUT: BTWDB02	Power: DC 3.3V
Note: Mode 1: Transmit at 5260MHz by 11a	



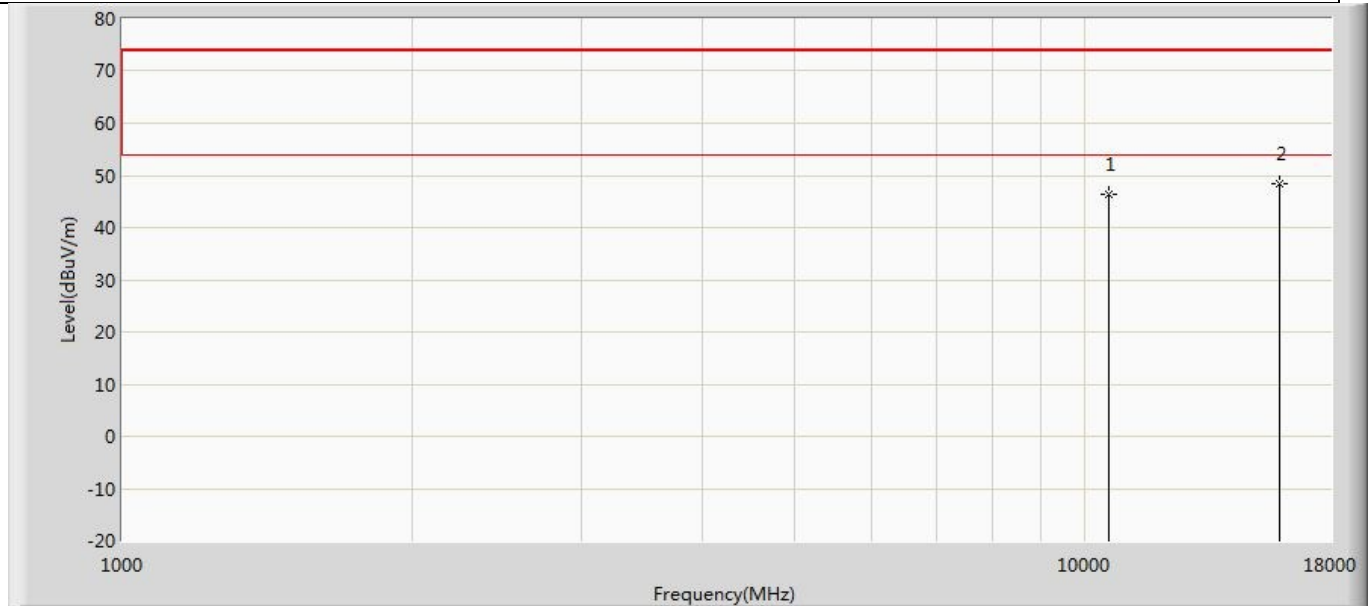
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10520.000	45.155	52.568	-28.845	74.000	-7.413	PK
2	*	15780.000	49.257	52.535	-24.743	74.000	-3.278	PK

Profile: 2290438R	Page No.: 80
Engineer: Yu Liu	
Site: AC5	Time: 2022/11/09 - 01:11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Vertical
EUT: BTWDB02	Power: DC 3.3V
Note: Mode 1: Transmit at 5260MHz by 11a	



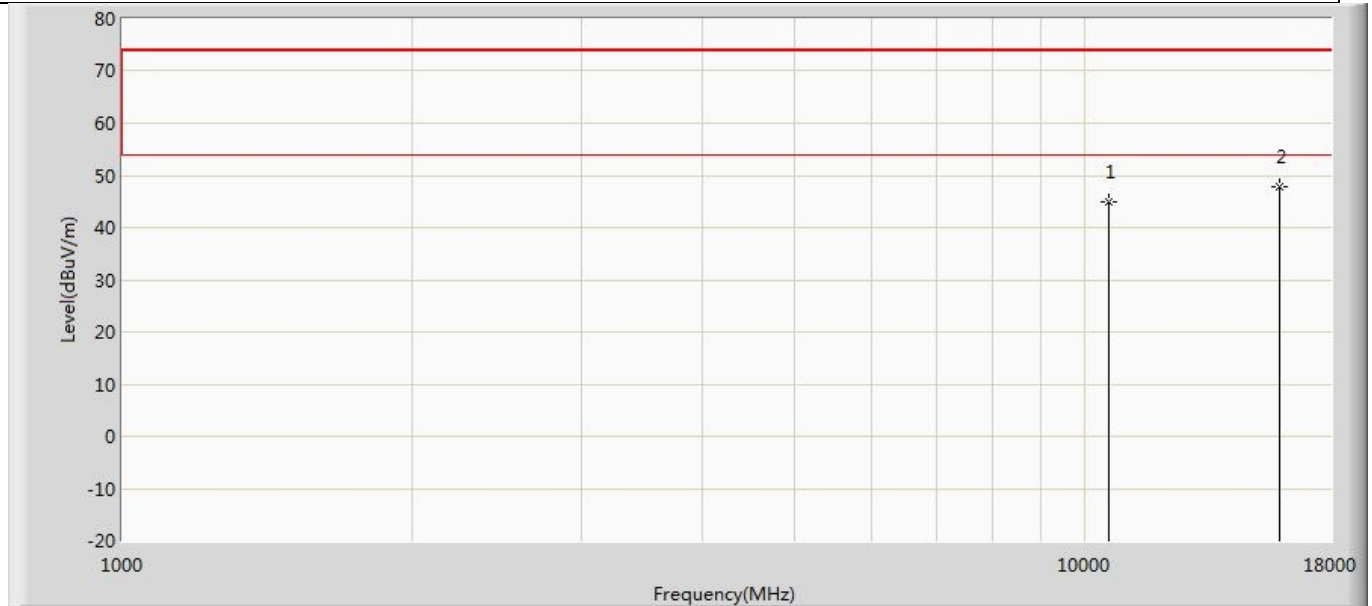
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10520.000	42.900	50.313	-31.100	74.000	-7.413	PK
2	*	15780.000	47.206	50.484	-26.794	74.000	-3.278	PK

Profile: 2290438R	Page No.: 81
Engineer: Yu Liu	
Site: AC5	Time: 2022/11/09 - 01:11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Horizontal
EUT: BTWDB02	Power: DC 3.3V
Note: Mode 1: Transmit at 5300MHz by 11a	



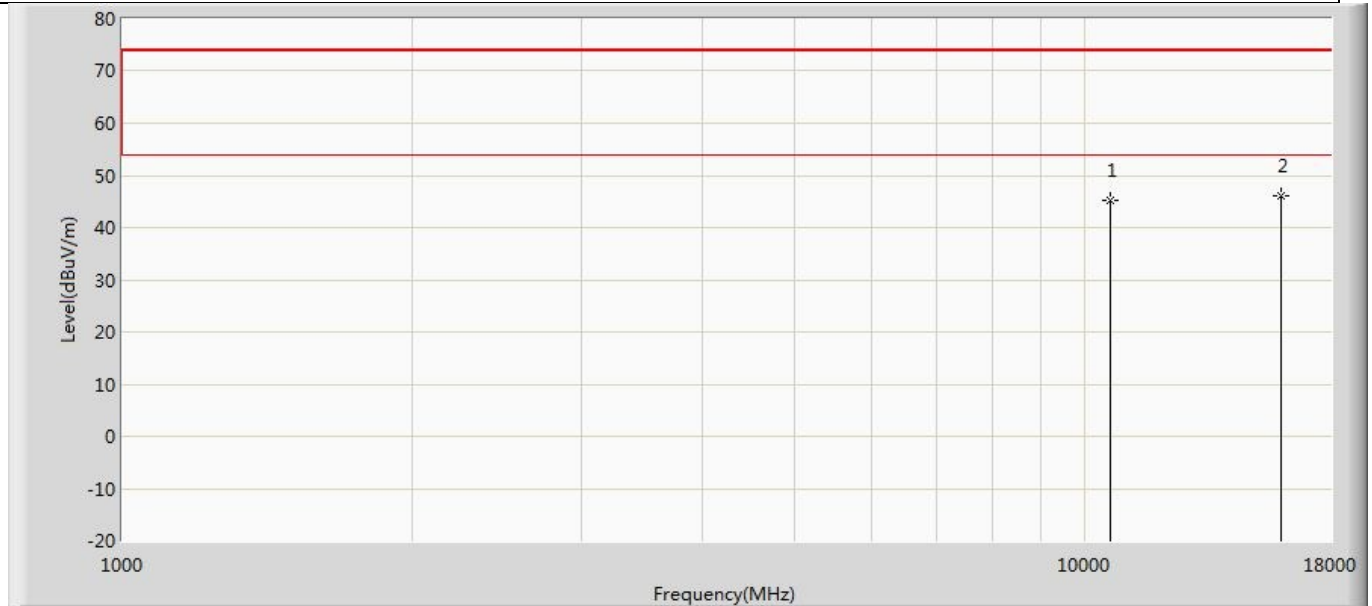
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10600.000	46.473	53.341	-27.527	74.000	-6.867	PK
2	*	15900.000	48.503	51.070	-25.497	74.000	-2.566	PK

Profile: 2290438R	Page No.: 82
Engineer: Yu Liu	
Site: AC5	Time: 2022/11/09 - 01:11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Vertical
EUT: BTWDB02	Power: DC 3.3V
Note: Mode 1: Transmit at 5300MHz by 11a	



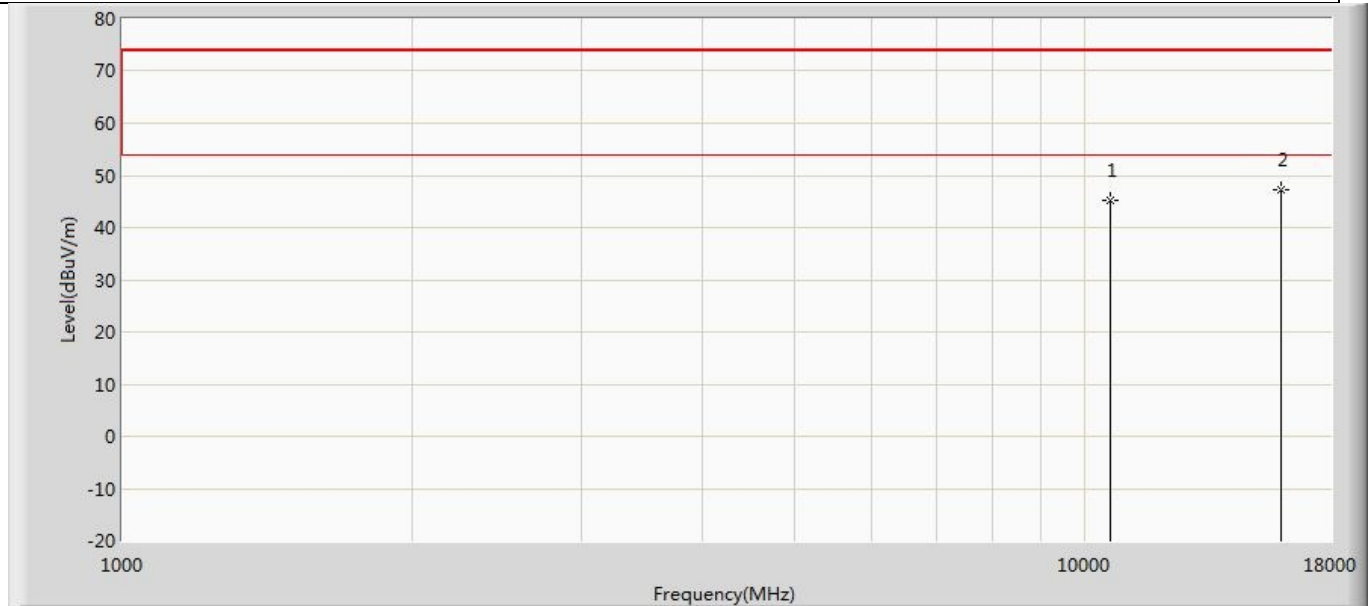
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10600.000	45.035	51.903	-28.965	74.000	-6.867	PK
2	*	15900.000	47.716	50.283	-26.284	74.000	-2.566	PK

Profile: 2290438R	Page No.: 83
Engineer: Yu Liu	
Site: AC5	Time: 2022/11/09 - 01:11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Horizontal
EUT: BTWDB02	Power: DC 3.3V
Note: Mode 1: Transmit at 5320MHz by 11a	



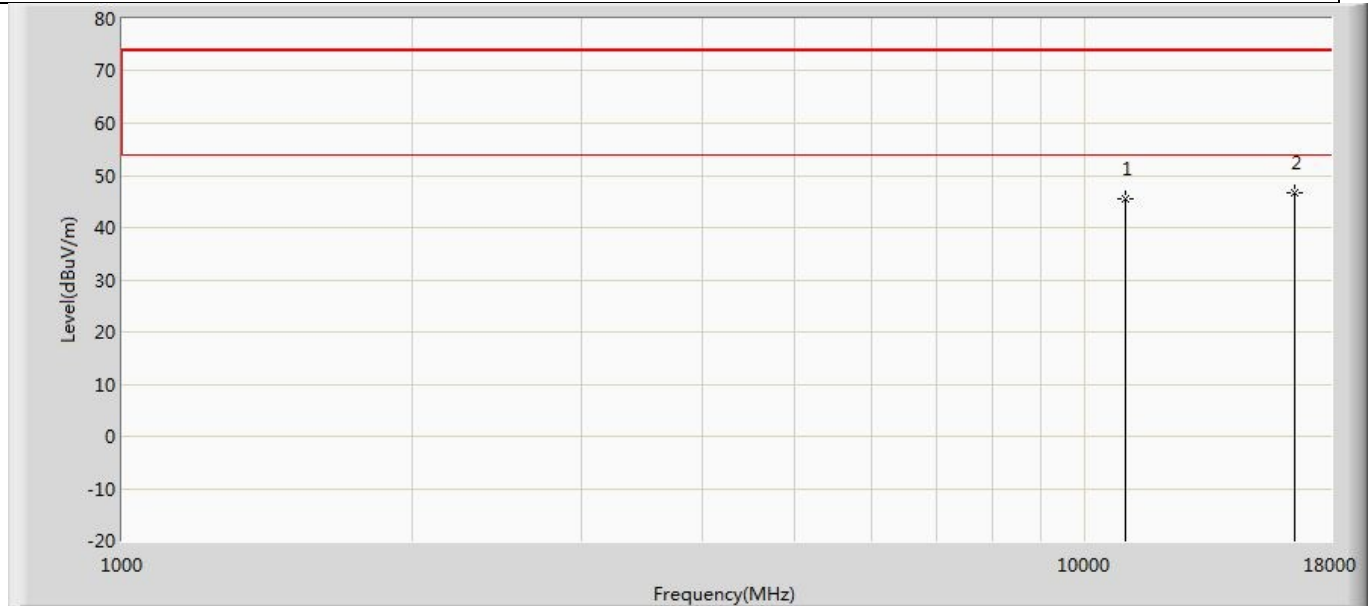
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10640.000	45.076	52.186	-28.924	74.000	-7.109	PK
2	*	15960.000	46.140	49.598	-27.860	74.000	-3.458	PK

Profile: 2290438R	Page No.: 84
Engineer: Yu Liu	
Site: AC5	Time: 2022/11/09 - 01:11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Vertical
EUT: BTWDB02	Power: DC 3.3V
Note: Mode 1: Transmit at 5320MHz by 11a	



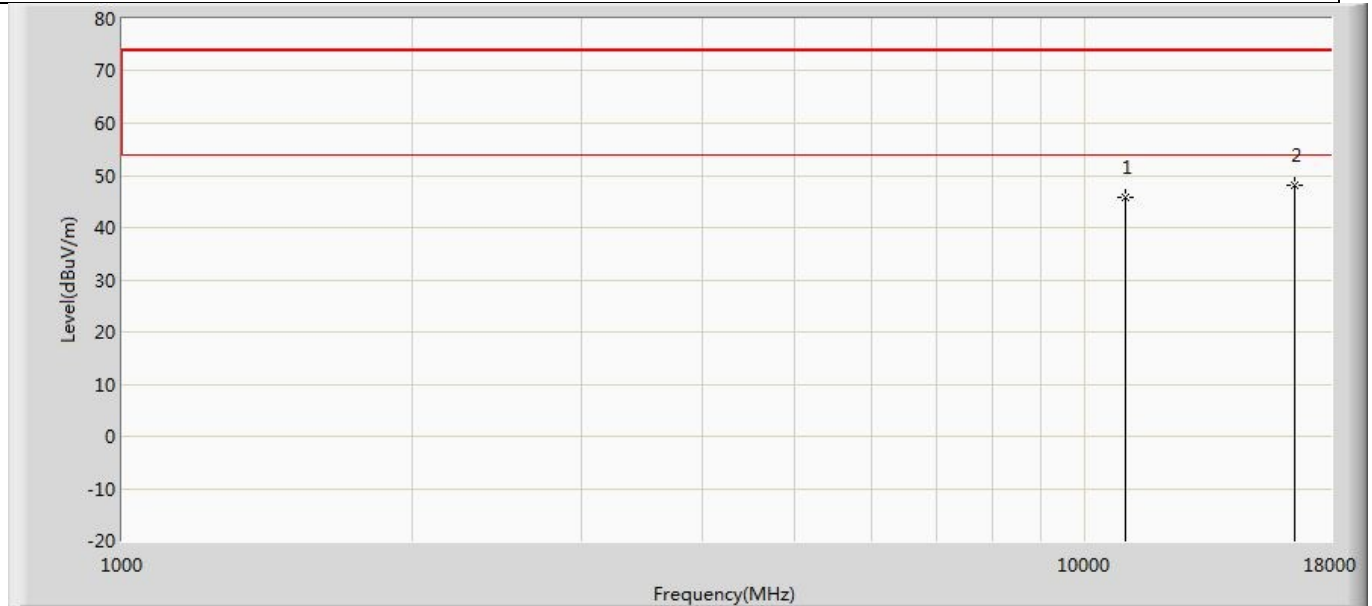
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10640.000	45.175	52.285	-28.825	74.000	-7.109	PK
2	*	15960.000	47.163	50.571	-26.837	74.000	-3.408	PK

Profile: 2290438R	Page No.: 85
Engineer: Yu Liu	
Site: AC5	Time: 2022/11/09 - 01:12
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Horizontal
EUT: BTWDB02	Power: DC 3.3V
Note: Mode 1: Transmit at 5500MHz by 11a	



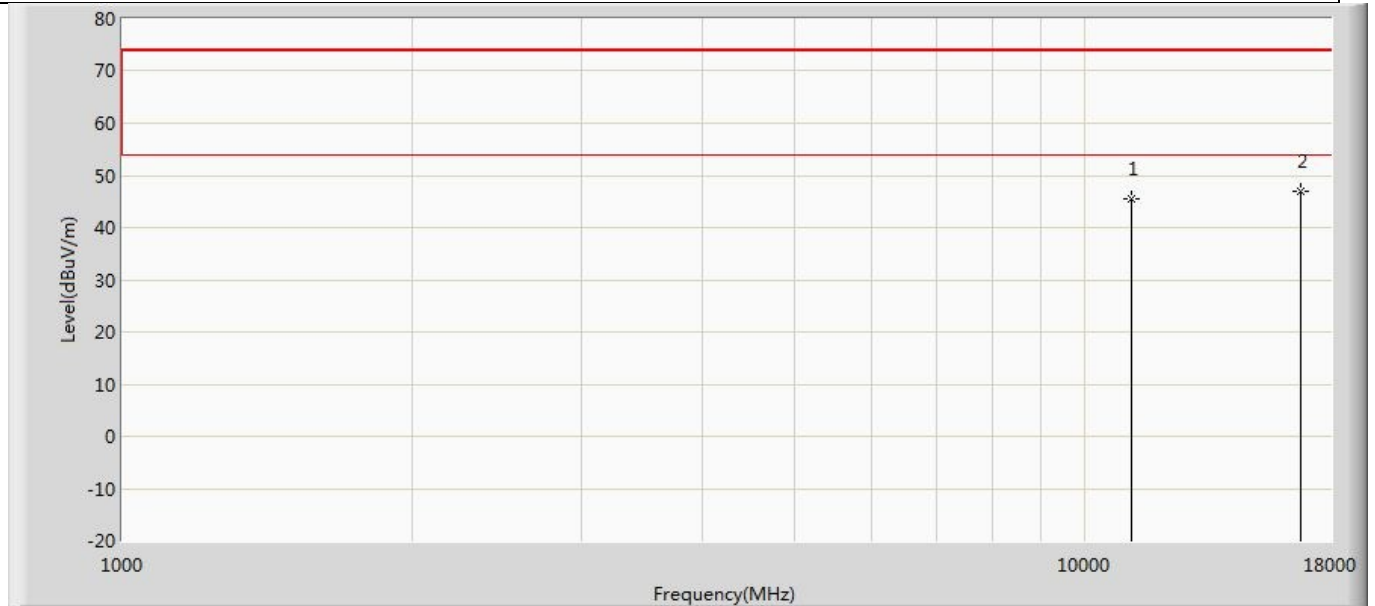
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11000.000	45.571	52.059	-28.429	74.000	-6.489	PK
2	*	16500.000	46.727	50.110	-27.273	74.000	-3.383	PK

Profile: 2290438R	Page No.: 86
Engineer: Yu Liu	
Site: AC5	Time: 2022/11/09 - 01:12
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Vertical
EUT: BTWDB02	Power: DC 3.3V
Note: Mode 1: Transmit at 5500MHz by 11a	



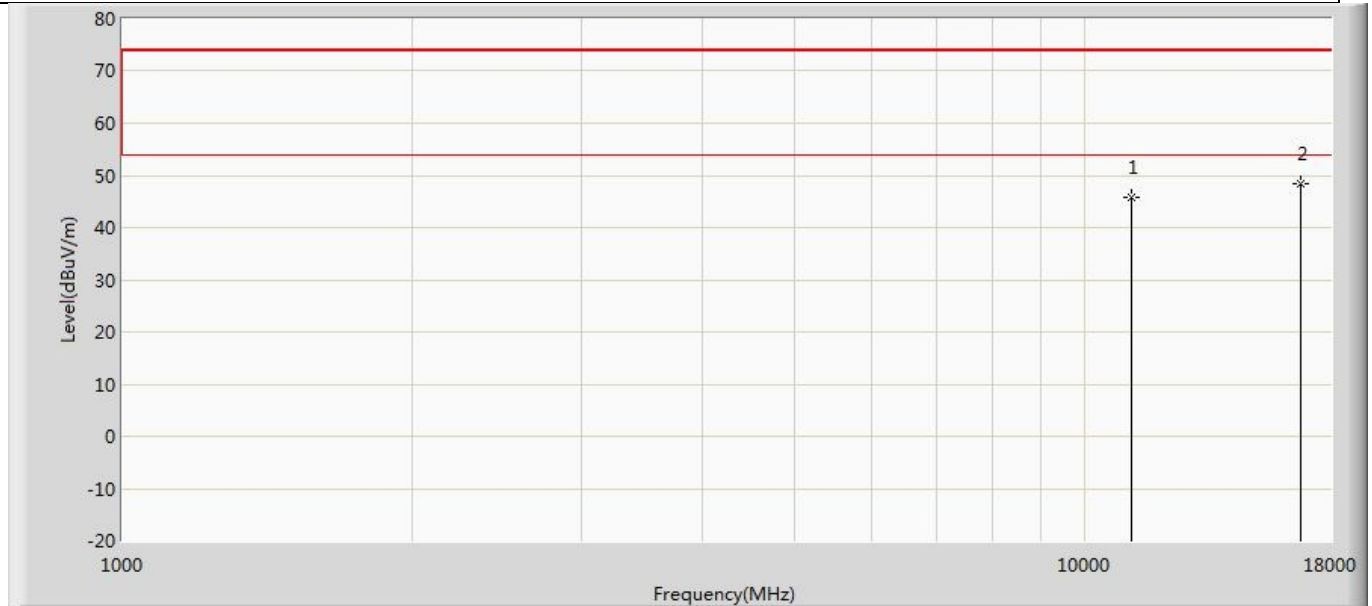
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11000.000	45.875	52.363	-28.125	74.000	-6.489	PK
2	*	16500.000	48.170	51.091	-25.830	74.000	-2.922	PK

Profile: 2290438R	Page No.: 87
Engineer: Yu Liu	
Site: AC5	Time: 2022/11/09 - 01:12
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Horizontal
EUT: BTWDB02	Power: DC 3.3V
Note: Mode 1: Transmit at 5580MHz by 11a	



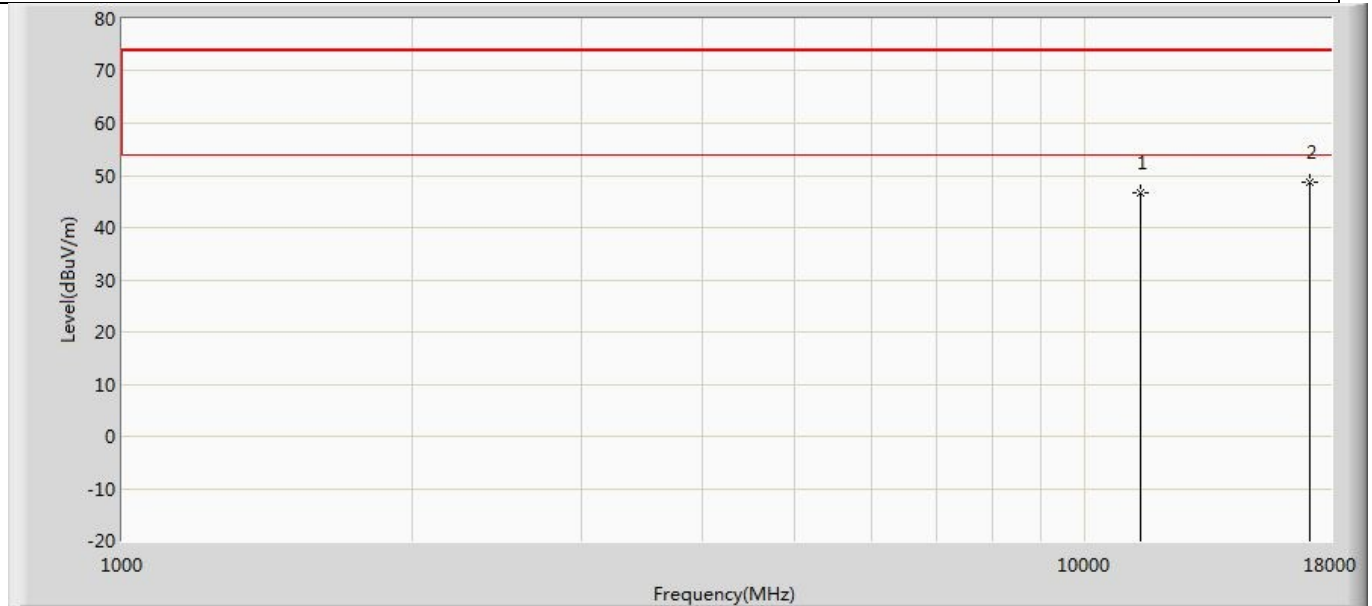
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11160.000	45.363	51.231	-28.637	74.000	-5.867	PK
2	*	16740.000	46.947	50.425	-27.053	74.000	-3.478	PK

Profile: 2290438R	Page No.: 88
Engineer: Yu Liu	
Site: AC5	Time: 2022/11/09 - 01:12
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Vertical
EUT: BTWDB02	Power: DC 3.3V
Note: Mode 1: Transmit at 5580MHz by 11a	



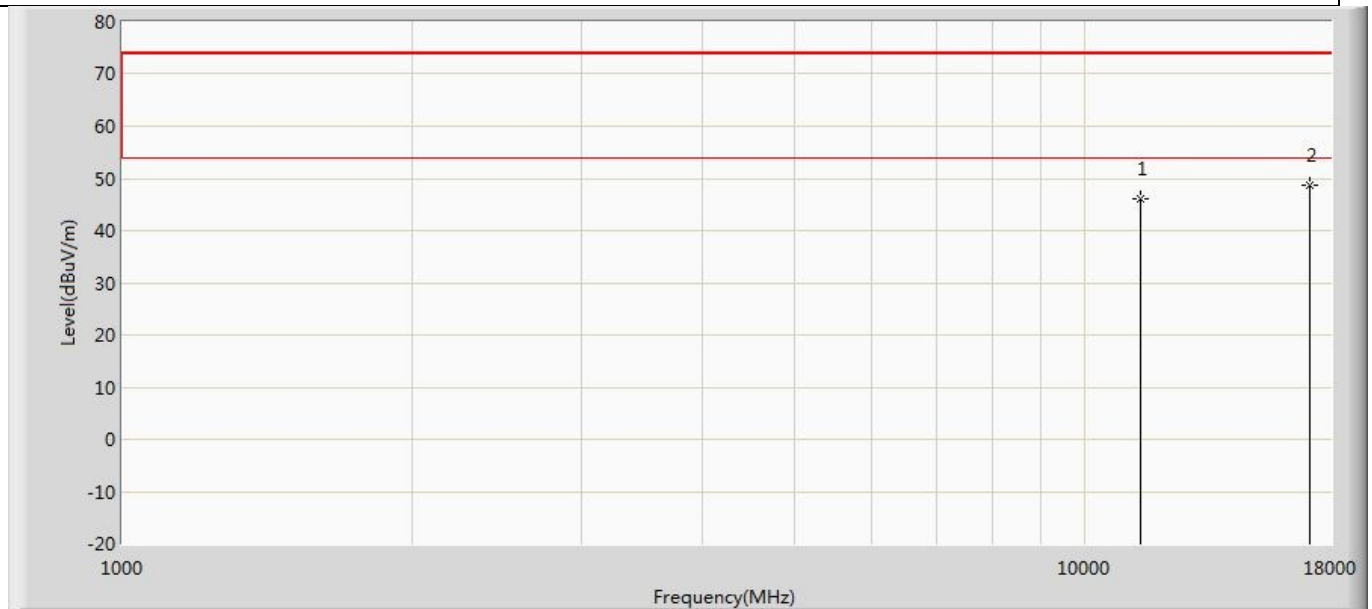
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11160.000	45.858	51.726	-28.142	74.000	-5.867	PK
2	*	16740.000	48.266	51.450	-25.734	74.000	-3.184	PK

Profile: 2290438R	Page No.: 89
Engineer: Yu Liu	
Site: AC5	Time: 2022/11/09 - 01:12
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Horizontal
EUT: BTWDB02	Power: DC 3.3V
Note: Mode 1: Transmit at 5700MHz by 11a	



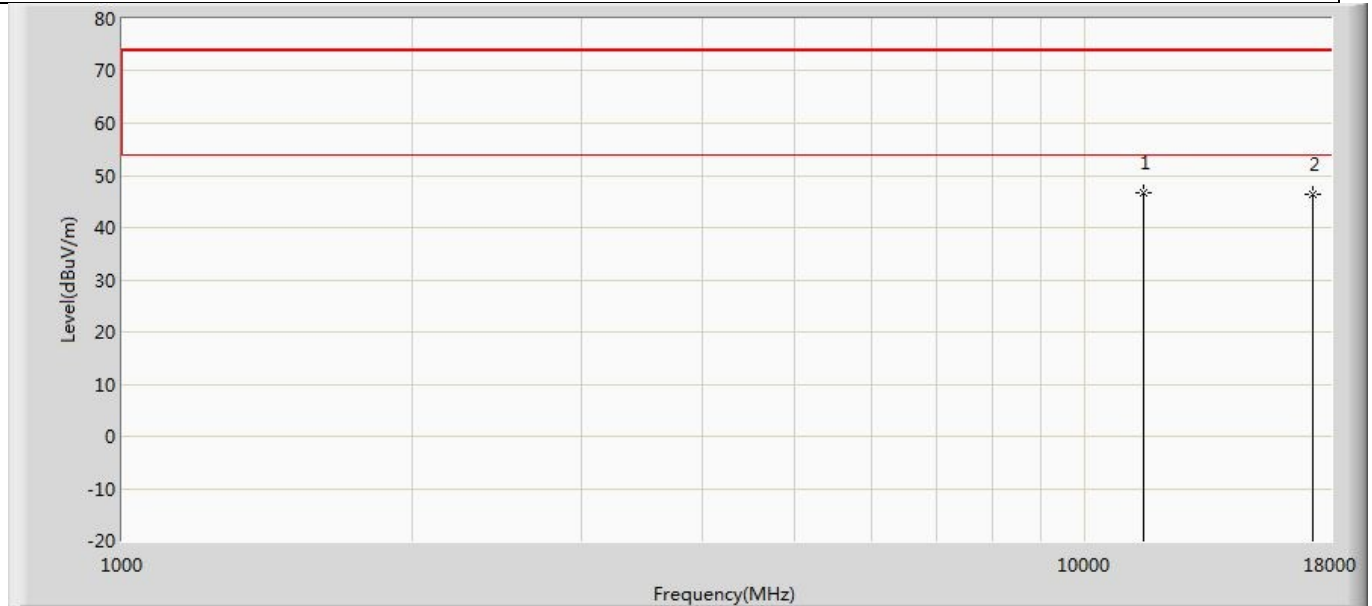
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11400.000	46.568	52.279	-27.432	74.000	-5.711	PK
2	*	17100.000	48.560	51.555	-25.440	74.000	-2.995	PK

Profile: 2290438R	Page No.: 90
Engineer: Yu Liu	
Site: AC5	Time: 2022/11/09 - 01:12
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Vertical
EUT: BTWDB02	Power: DC 3.3V
Note: Mode 1: Transmit at 5700MHz by 11a	



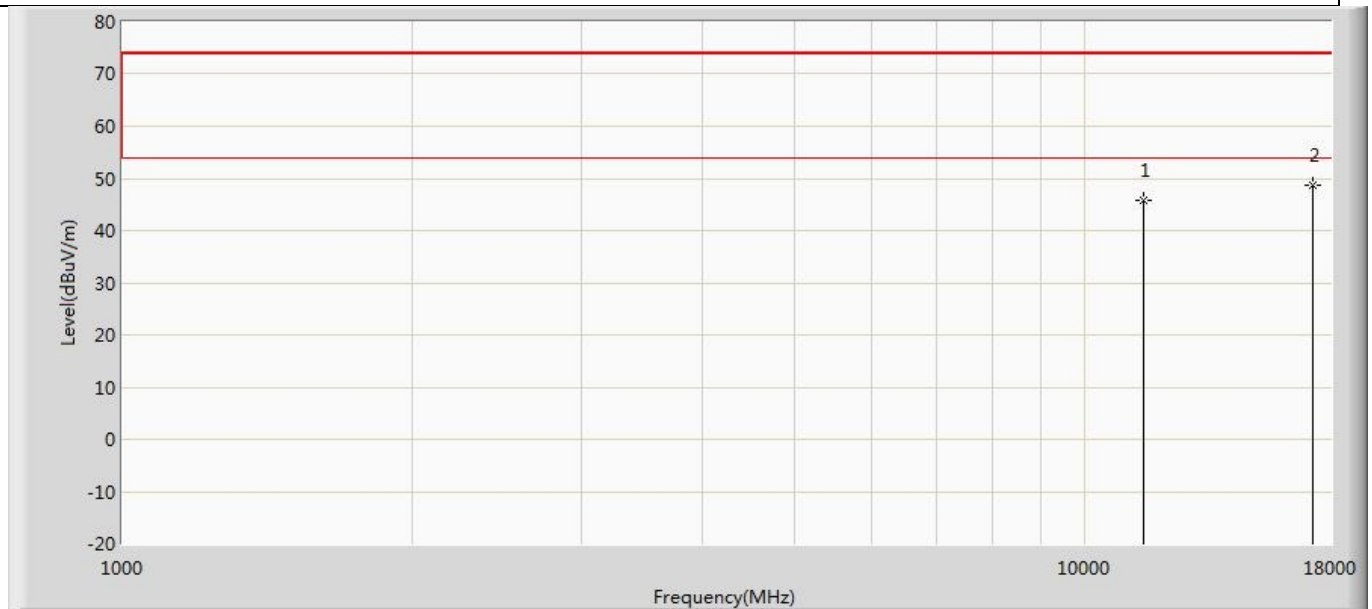
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11400.000	46.176	51.887	-27.824	74.000	-5.711	PK
2	*	17100.000	48.639	50.587	-25.361	74.000	-1.948	PK

Profile: 2290438R	Page No.: 91
Engineer: Yu Liu	
Site: AC5	Time: 2022/11/09 - 01:12
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Horizontal
EUT: BTWDB02	Power: DC 3.3V
Note: Mode 1: Transmit at 5745MHz by 11a	



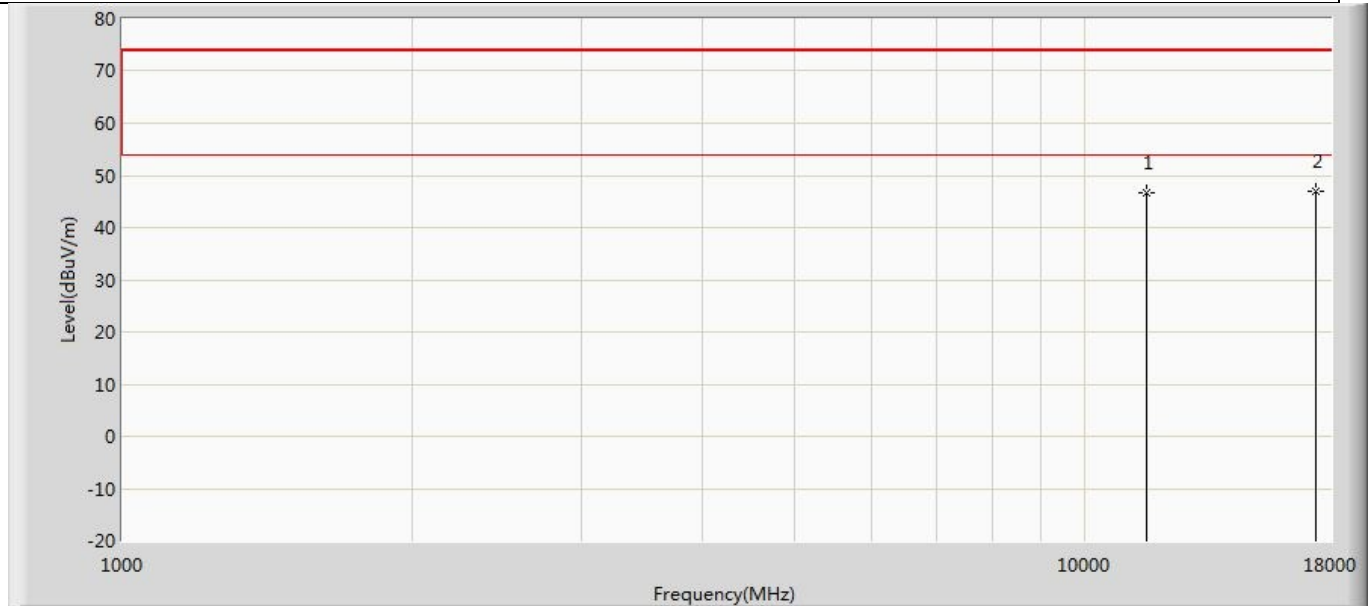
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	11490.000	46.748	52.637	-27.252	74.000	-5.890	PK
2		17235.000	46.324	49.726	-27.676	74.000	-3.403	PK

Profile: 2290438R	Page No.: 92
Engineer: Yu Liu	
Site: AC5	Time: 2022/11/09 - 01:12
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Vertical
EUT: BTWDB02	Power: DC 3.3V
Note: Mode 1: Transmit at 5745MHz by 11a	



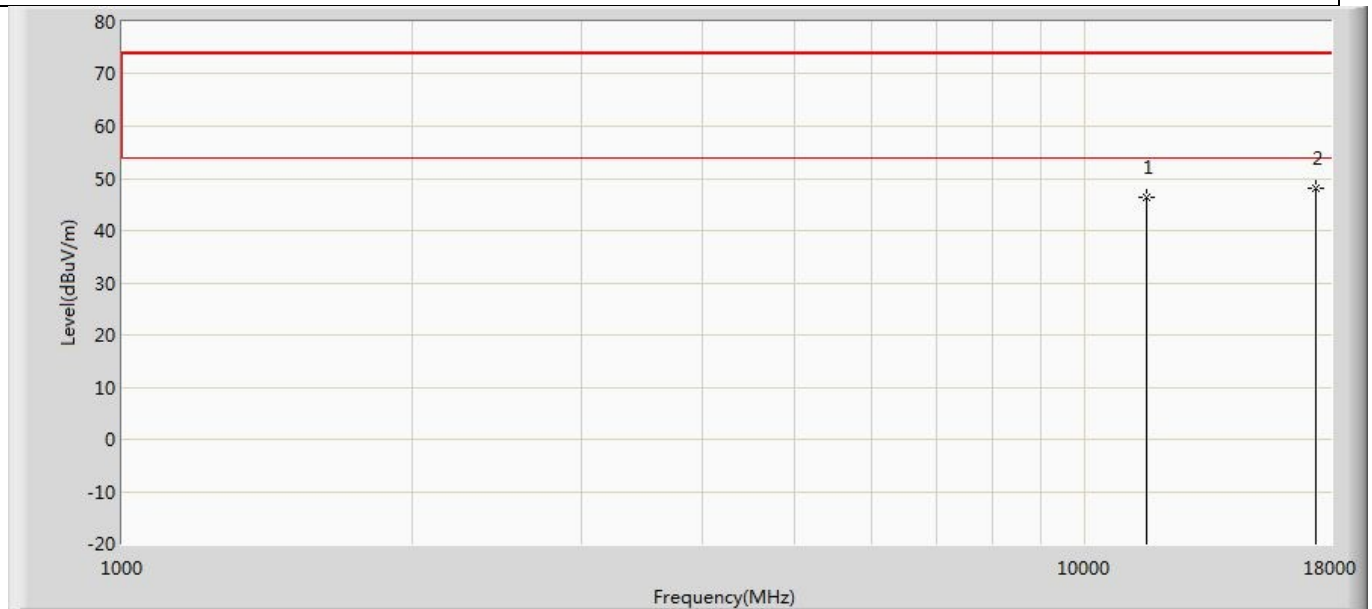
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11490.000	45.768	51.657	-28.232	74.000	-5.890	PK
2	*	17235.000	48.761	51.513	-25.239	74.000	-2.753	PK

Profile: 2290438R	Page No.: 93
Engineer: Yu Liu	
Site: AC5	Time: 2022/11/09 - 01:12
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Horizontal
EUT: BTWDB02	Power: DC 3.3V
Note: Mode 1: Transmit at 5785MHz by 11a	



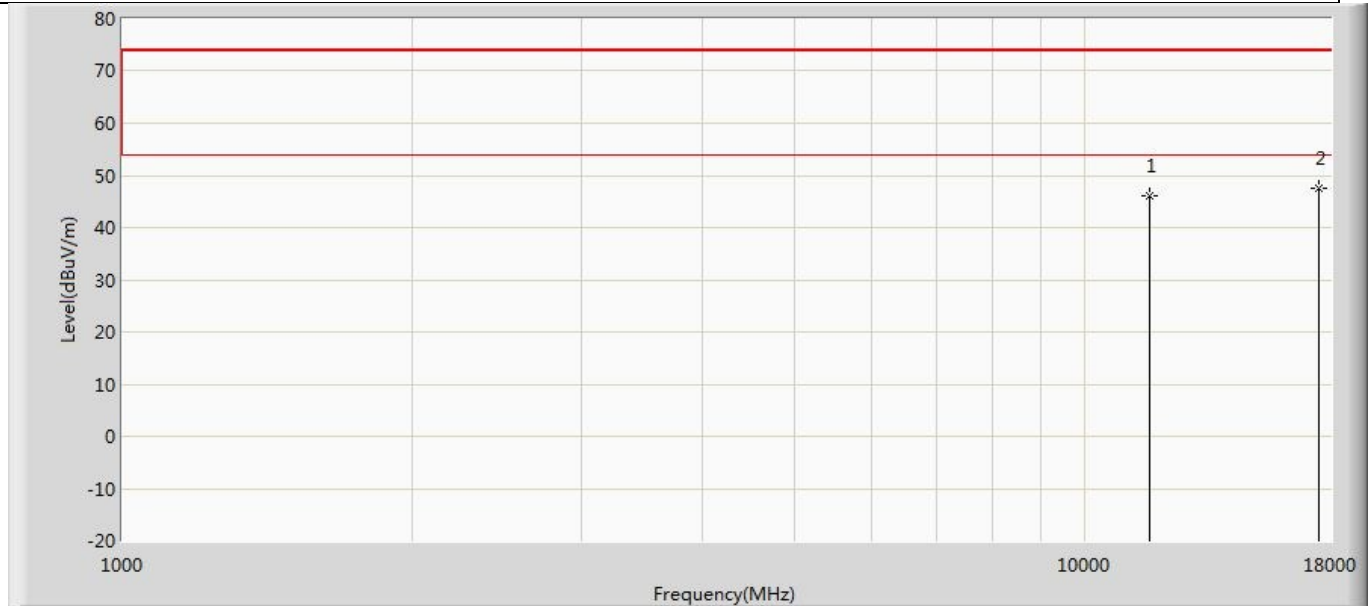
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11570.000	46.732	51.851	-27.268	74.000	-5.119	PK
2	*	17355.000	46.901	49.807	-27.099	74.000	-2.906	PK

Profile: 2290438R	Page No.: 94
Engineer: Yu Liu	
Site: AC5	Time: 2022/11/09 - 01:12
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Vertical
EUT: BTWDB02	Power: DC 3.3V
Note: Mode 1: Transmit at 5785MHz by 11a	



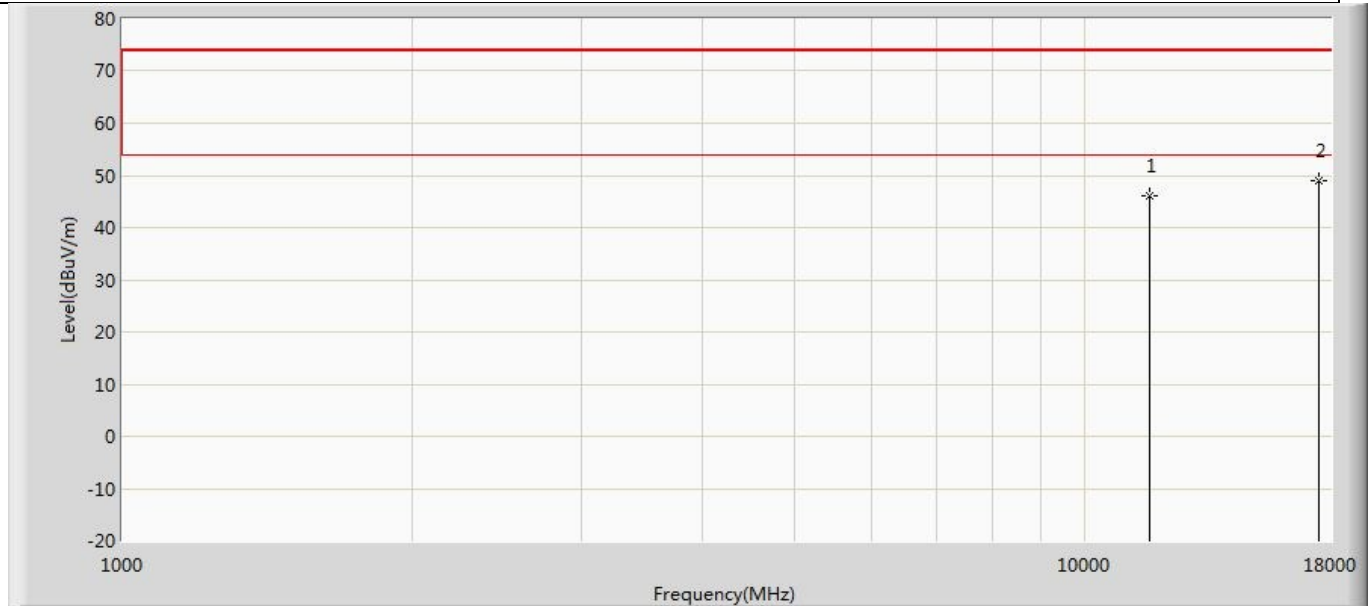
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11570.000	46.347	51.466	-27.653	74.000	-5.119	PK
2	*	17355.000	48.003	50.612	-25.997	74.000	-2.609	PK

Profile: 2290438R	Page No.: 95
Engineer: Yu Liu	
Site: AC5	Time: 2022/11/09 - 01:13
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Horizontal
EUT: BTWDB02	Power: DC 3.3V
Note: Mode 1: Transmit at 5825MHz by 11a	



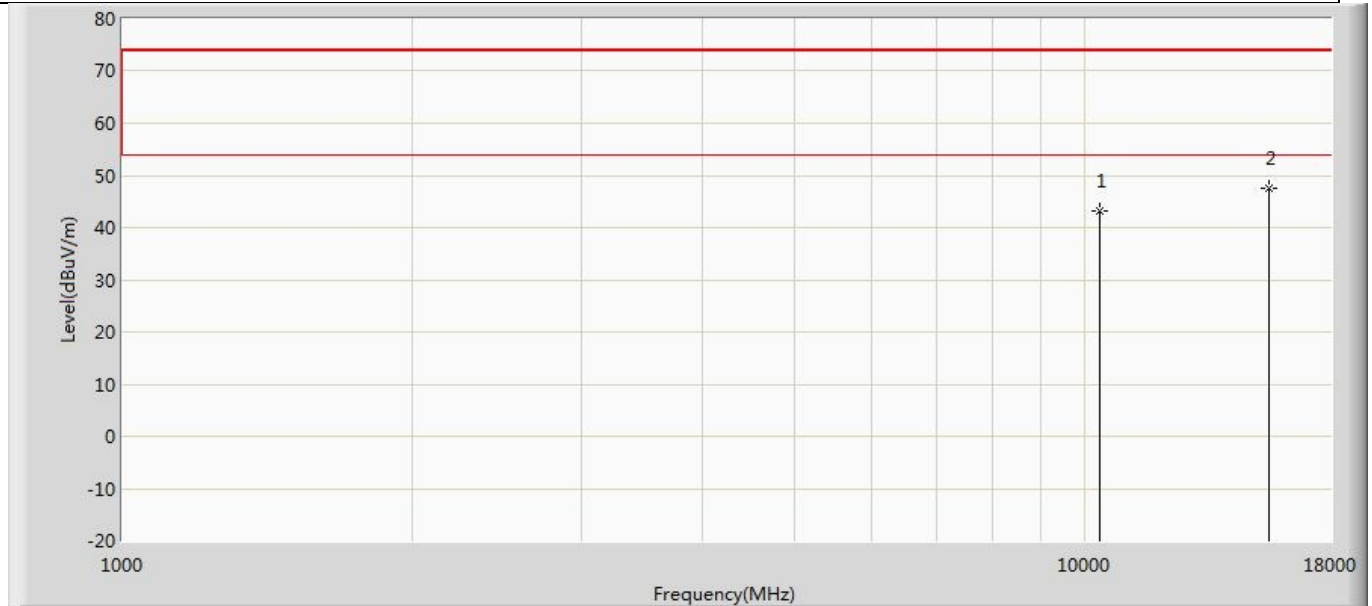
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11650.000	46.072	51.310	-27.928	74.000	-5.238	PK
2	*	17475.000	47.626	50.764	-26.374	74.000	-3.139	PK

Profile: 2290438R	Page No.: 96
Engineer: Yu Liu	
Site: AC5	Time: 2022/11/09 - 01:13
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Vertical
EUT: BTWDB02	Power: DC 3.3V
Note: Mode 1: Transmit at 5825MHz by 11a	



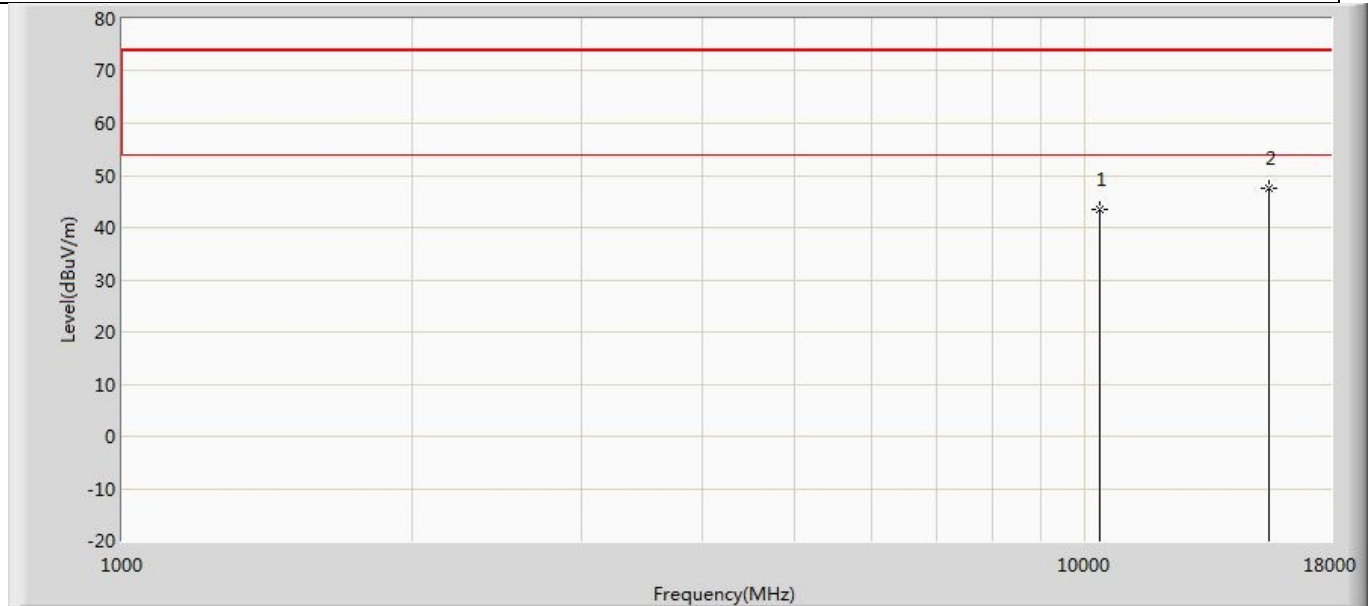
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11650.000	46.062	51.300	-27.938	74.000	-5.238	PK
2	*	17475.000	48.958	52.096	-25.042	74.000	-3.139	PK

Profile: 2290438R	Page No.: 97
Engineer: Yu Liu	
Site: AC5	Time: 2022/11/09 - 01:13
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Horizontal
EUT: BTWDB02	Power: DC 3.3V
Note: Mode 2: Transmit at 5180MHz by 11n20	



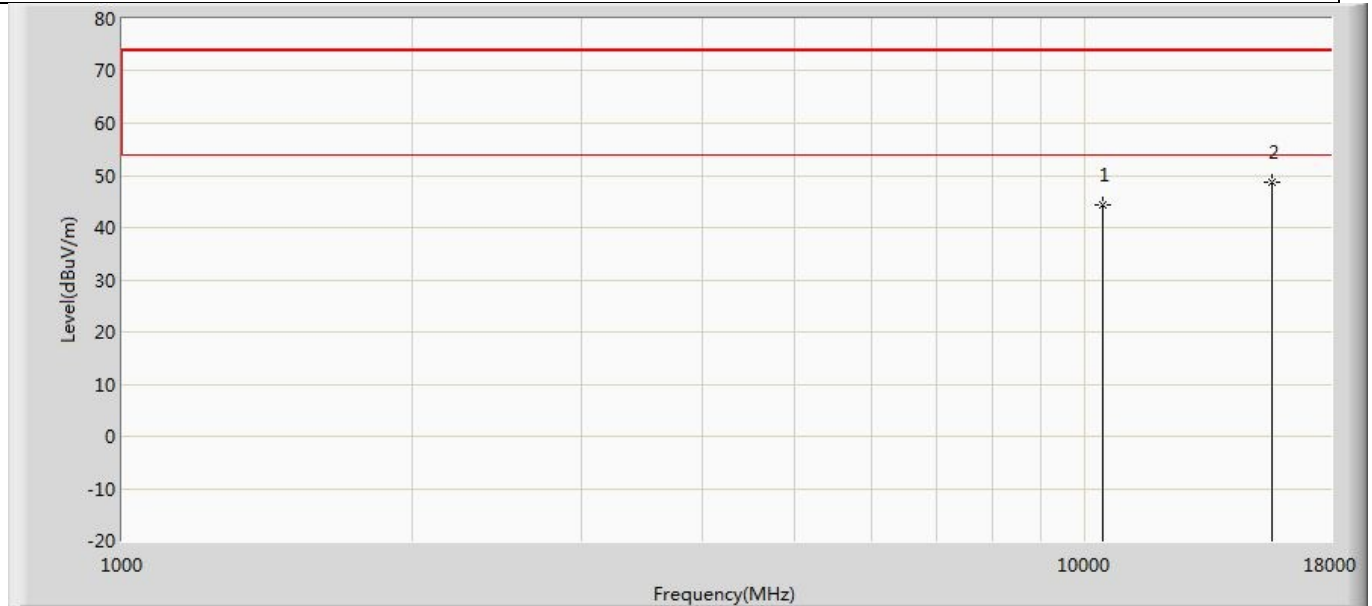
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10360.000	43.284	50.696	-30.716	74.000	-7.412	PK
2	*	15540.000	47.467	51.580	-26.533	74.000	-4.113	PK

Profile: 2290438R	Page No.: 98
Engineer: Yu Liu	
Site: AC5	Time: 2022/11/09 - 01:13
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Vertical
EUT: BTWDB02	Power: DC 3.3V
Note: Mode 2: Transmit at 5180MHz by 11n20	



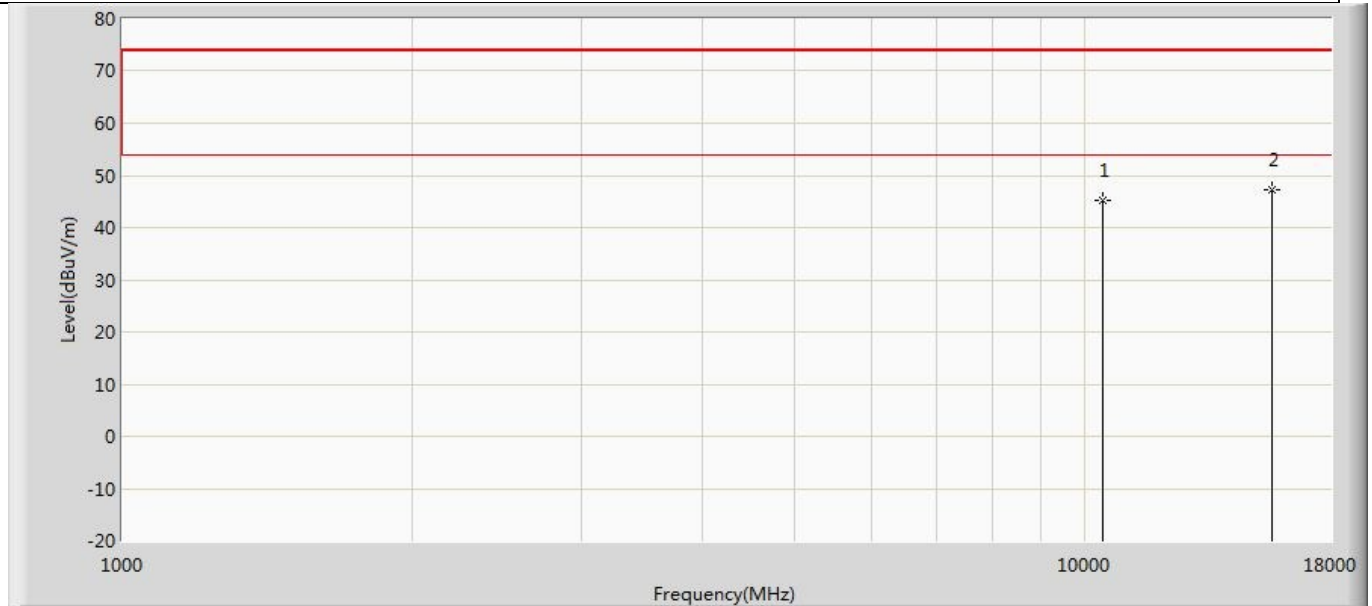
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10360.000	43.460	50.872	-30.540	74.000	-7.412	PK
2	*	15540.000	47.657	51.770	-26.343	74.000	-4.113	PK

Profile: 2290438R	Page No.: 99
Engineer: Yu Liu	
Site: AC5	Time: 2022/11/09 - 01:13
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Horizontal
EUT: BTWDB02	Power: DC 3.3V
Note: Mode 2: Transmit at 5220MHz by 11n20	



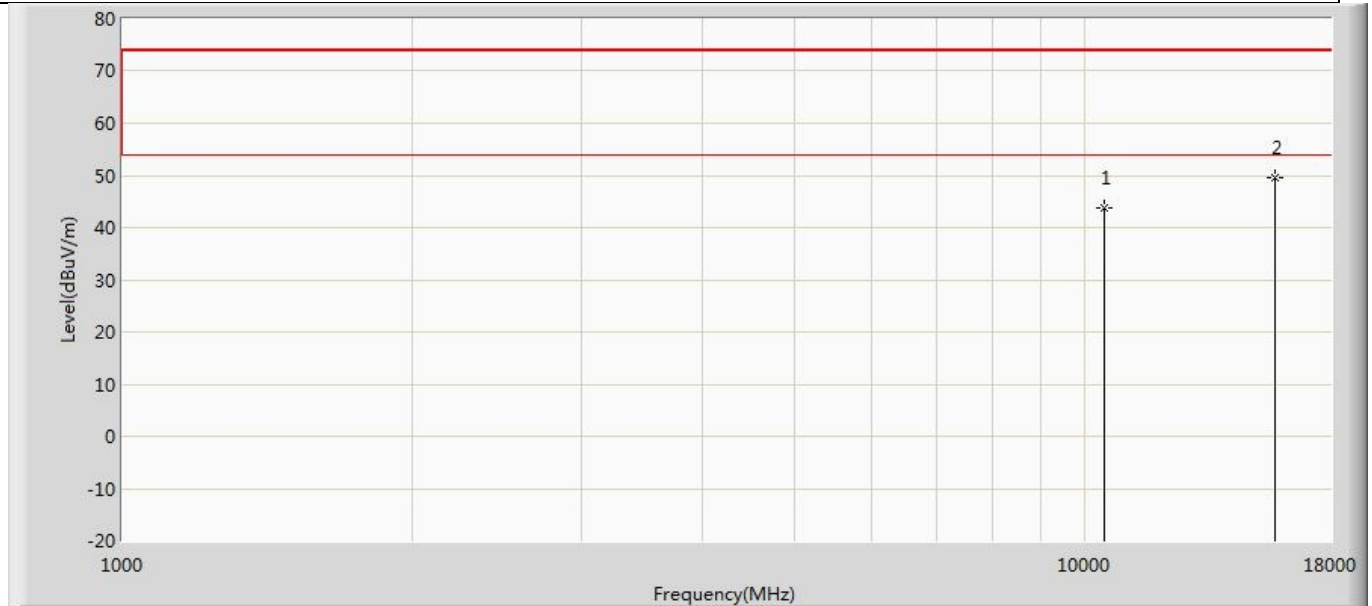
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10440.000	44.321	51.560	-29.679	74.000	-7.239	PK
2	*	15660.000	48.600	52.822	-25.400	74.000	-4.221	PK

Profile: 2290438R	Page No.: 100
Engineer: Yu Liu	
Site: AC5	Time: 2022/11/09 - 01:13
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Vertical
EUT: BTWDB02	Power: DC 3.3V
Note: Mode 2: Transmit at 5220MHz by 11n20	



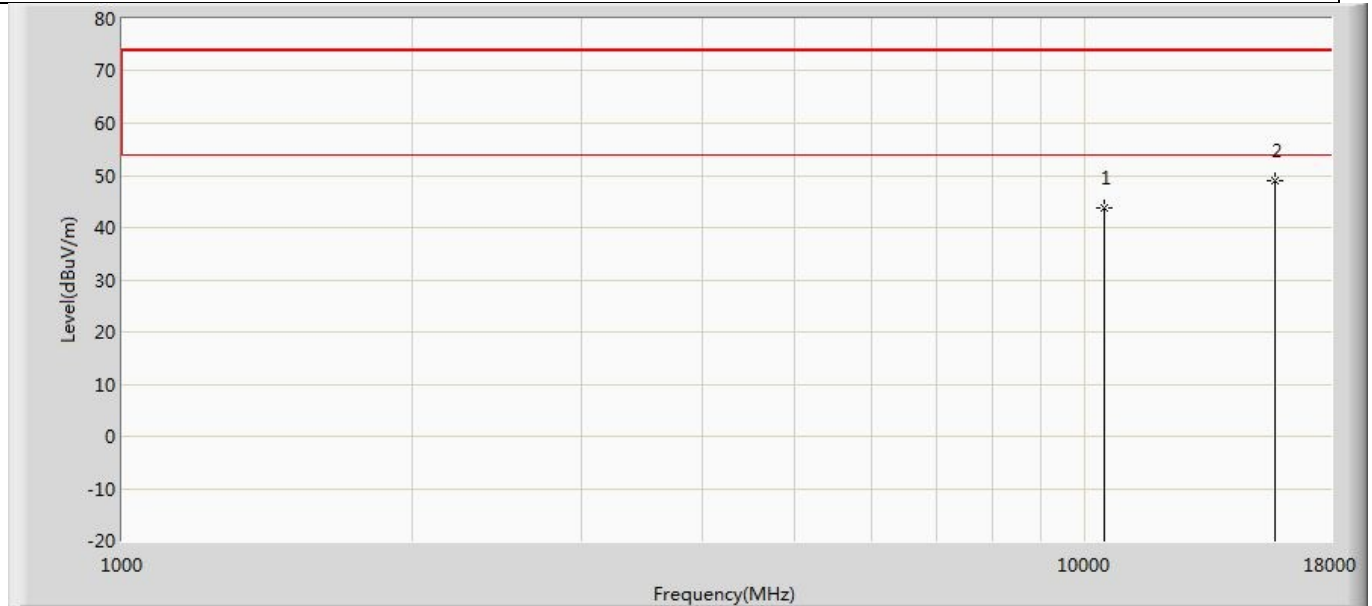
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10440.000	45.139	52.378	-28.861	74.000	-7.239	PK
2	*	15660.000	47.195	51.417	-26.805	74.000	-4.221	PK

Profile: 2290438R	Page No.: 101
Engineer: Yu Liu	
Site: AC5	Time: 2022/11/09 - 01:13
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Horizontal
EUT: BTWDB02	Power: DC 3.3V
Note: Mode 2: Transmit at 5240MHz by 11n20	



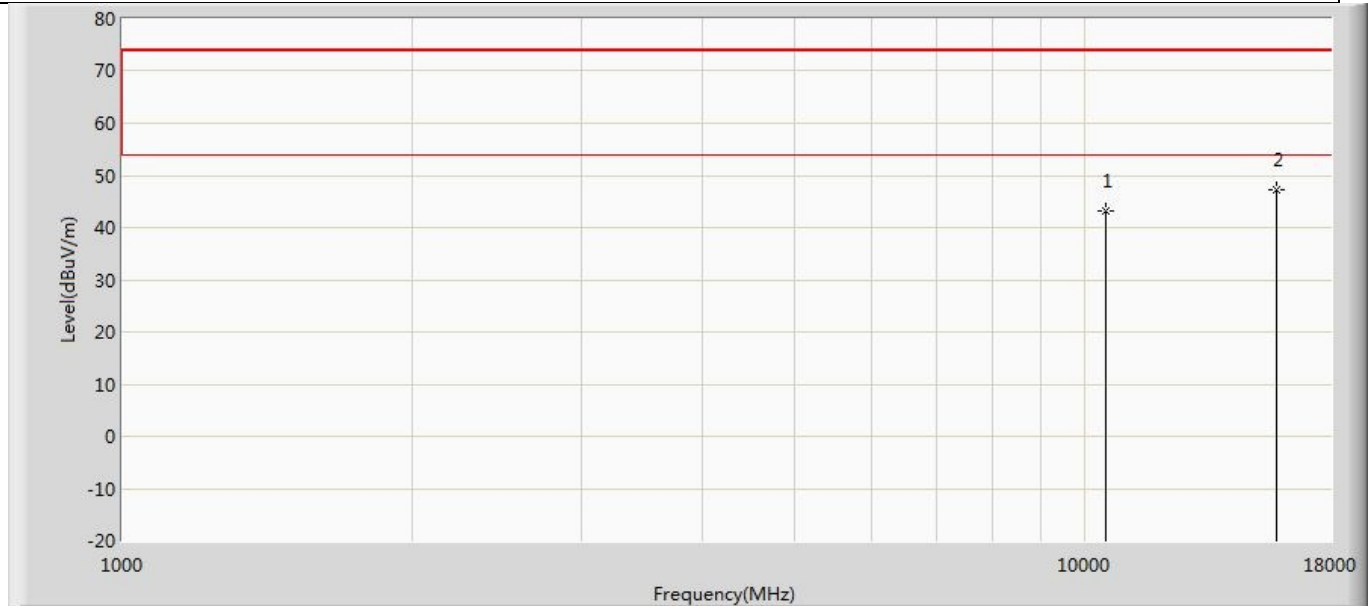
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10480.000	43.779	50.803	-30.221	74.000	-7.024	PK
2	*	15720.000	49.520	53.178	-24.480	74.000	-3.658	PK

Profile: 2290438R	Page No.: 102
Engineer: Yu Liu	
Site: AC5	Time: 2022/11/09 - 01:13
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Vertical
EUT: BTWDB02	Power: DC 3.3V
Note: Mode 2: Transmit at 5240MHz by 11n20	



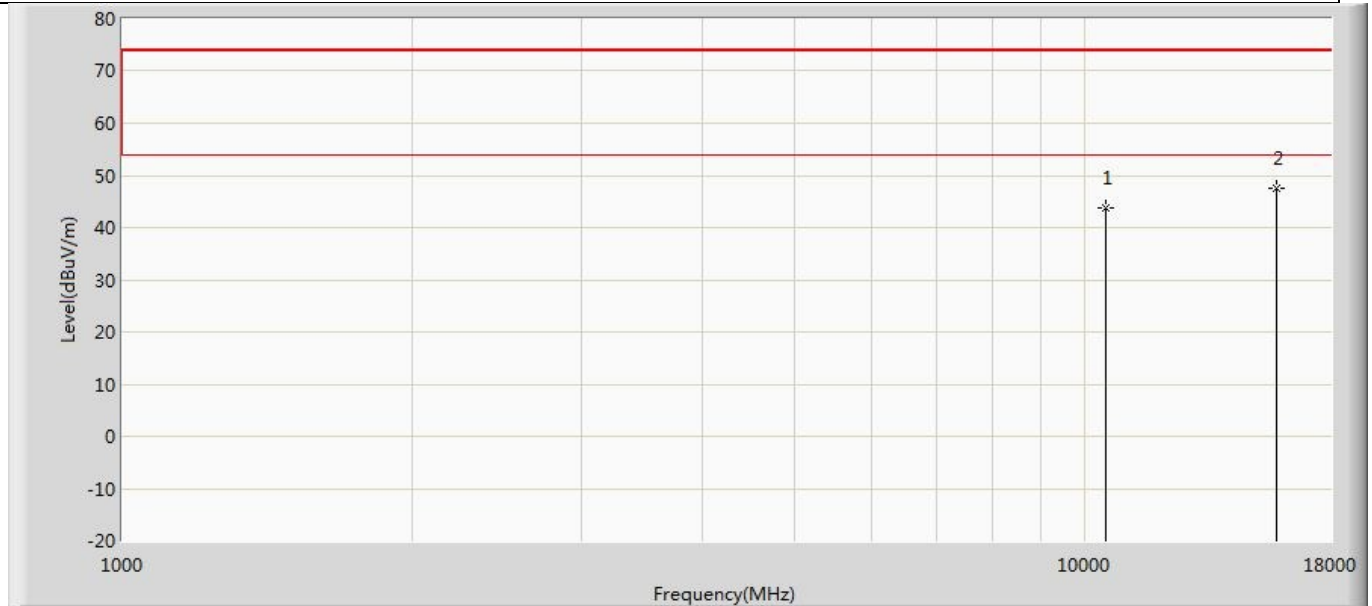
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10480.000	43.728	50.752	-30.272	74.000	-7.024	PK
2	*	15720.000	48.883	52.541	-25.117	74.000	-3.658	PK

Profile: 2290438R	Page No.: 103
Engineer: Yu Liu	
Site: AC5	Time: 2022/11/09 - 01:13
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Horizontal
EUT: BTWDB02	Power: DC 3.3V
Note: Mode 2: Transmit at 5260MHz by 11n20	



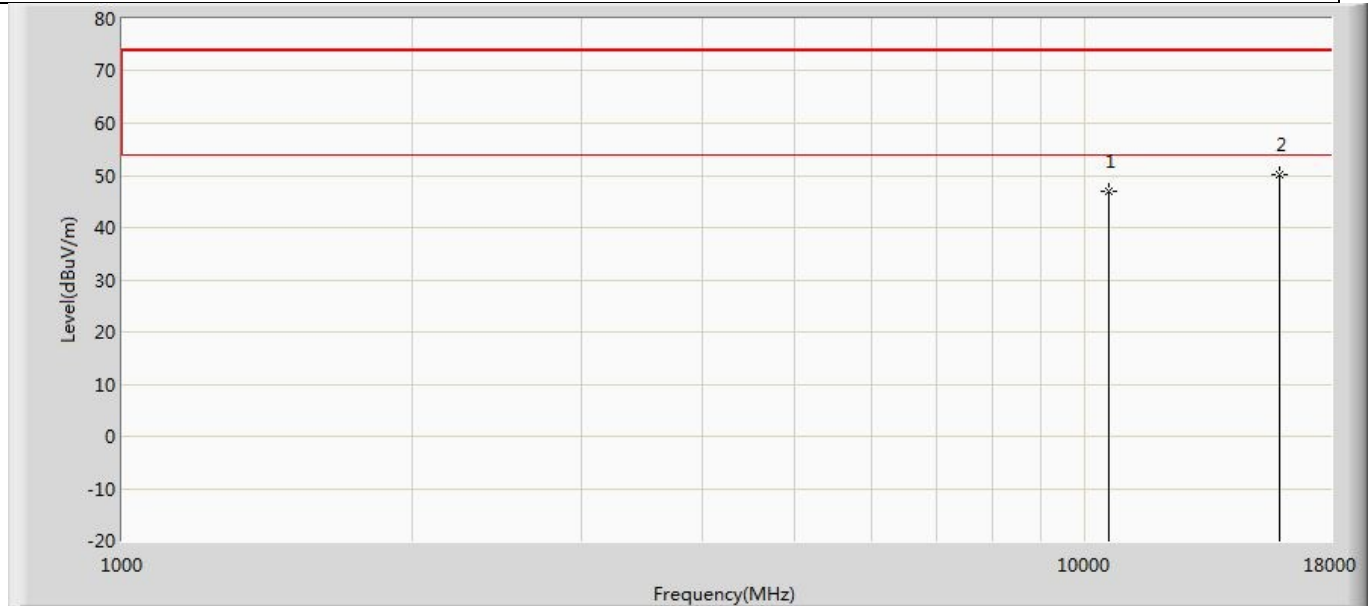
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10520.000	43.312	50.725	-30.688	74.000	-7.413	PK
2	*	15780.000	47.177	50.455	-26.823	74.000	-3.278	PK

Profile: 2290438R	Page No.: 104
Engineer: Yu Liu	
Site: AC5	Time: 2022/11/09 - 01:13
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Vertical
EUT: BTWDB02	Power: DC 3.3V
Note: Mode 2: Transmit at 5260MHz by 11n20	



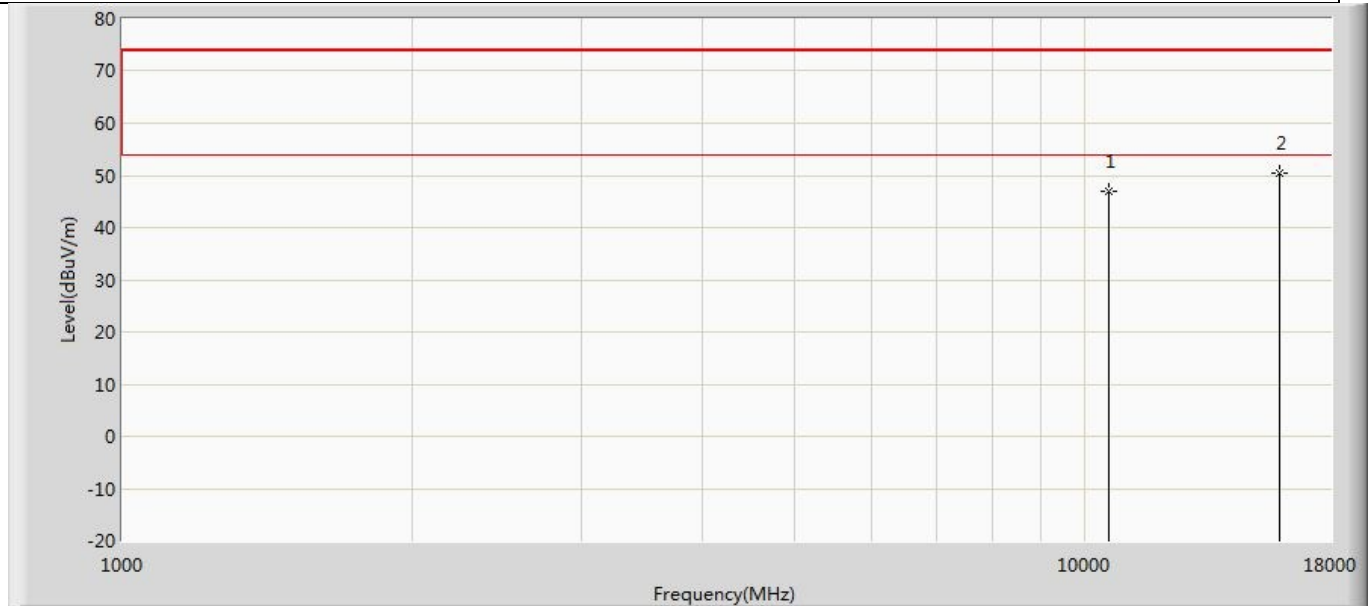
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10520.000	43.888	51.301	-30.112	74.000	-7.413	PK
2	*	15780.000	47.539	50.817	-26.461	74.000	-3.278	PK

Profile: 2290438R	Page No.: 105
Engineer: Yu Liu	
Site: AC5	Time: 2022/11/09 - 01:13
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Horizontal
EUT: BTWDB02	Power: DC 3.3V
Note: Mode 2: Transmit at 5300MHz by 11n20	



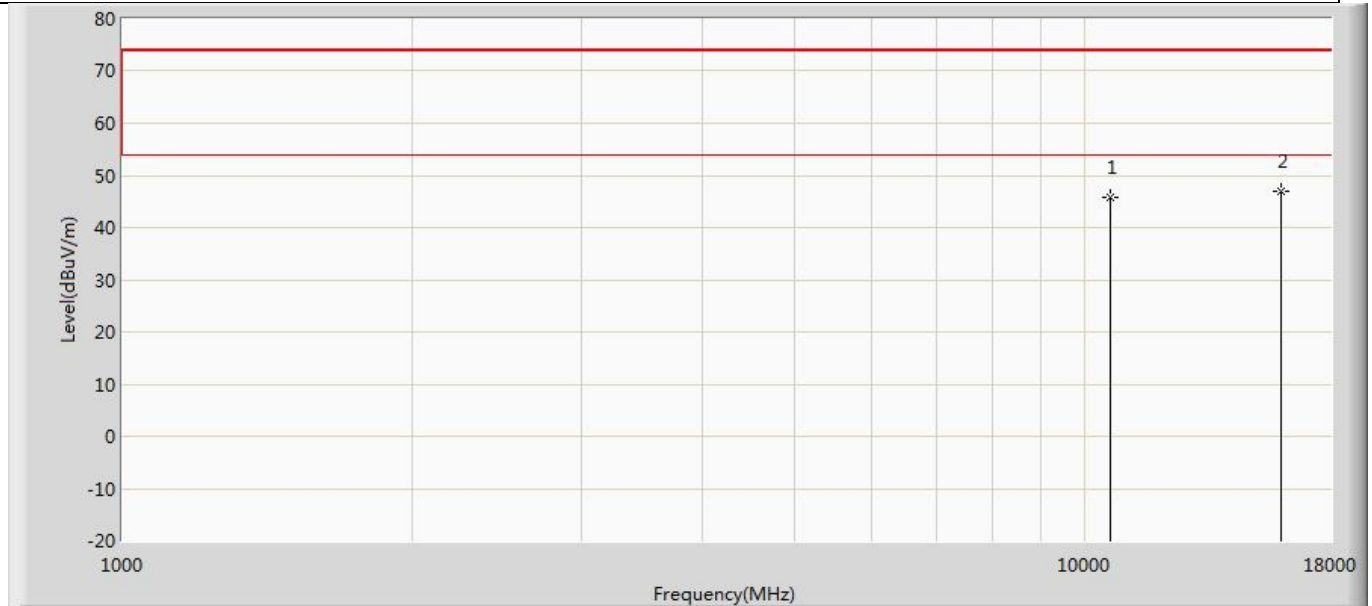
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10600.000	46.844	53.712	-27.156	74.000	-6.867	PK
2	*	15900.000	50.020	52.587	-23.980	74.000	-2.566	PK

Profile: 2290438R	Page No.: 106
Engineer: Yu Liu	
Site: AC5	Time: 2022/11/09 - 01:14
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Vertical
EUT: BTWDB02	Power: DC 3.3V
Note: Mode 2: Transmit at 5300MHz by 11n20	



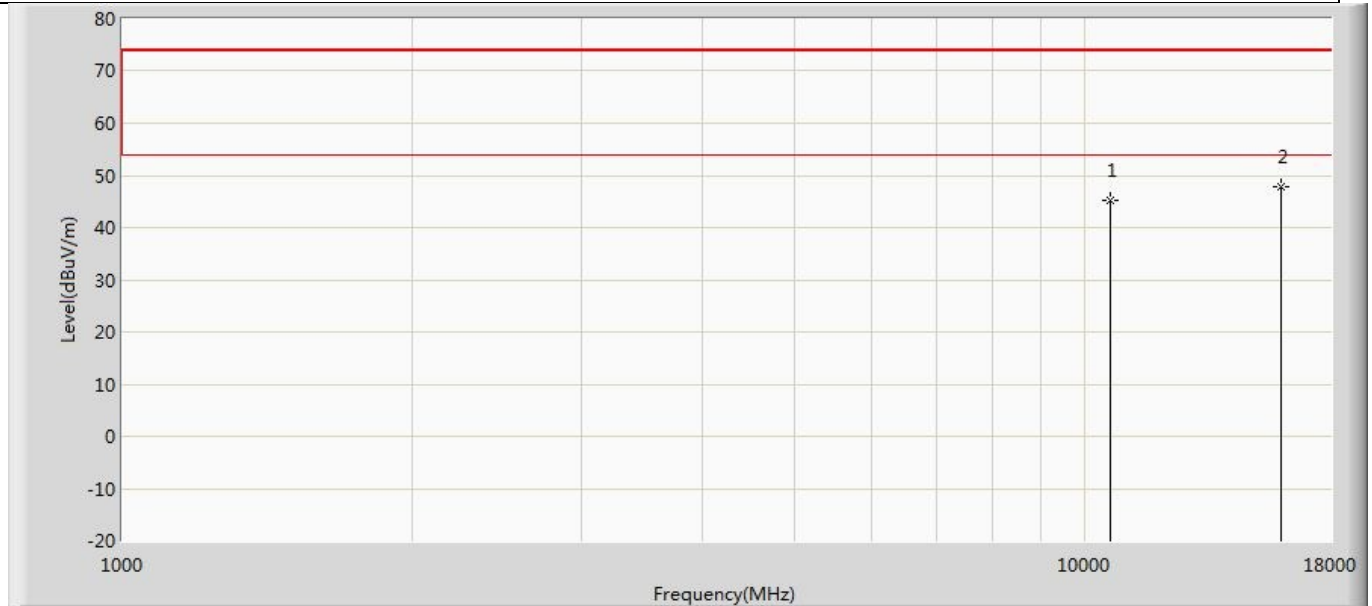
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10600.000	47.084	53.952	-26.916	74.000	-6.867	PK
2	*	15900.000	50.323	52.890	-23.677	74.000	-2.566	PK

Profile: 2290438R	Page No.: 107
Engineer: Yu Liu	
Site: AC5	Time: 2022/11/09 - 01:14
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Horizontal
EUT: BTWDB02	Power: DC 3.3V
Note: Mode 2: Transmit at 5320MHz by 11n20	



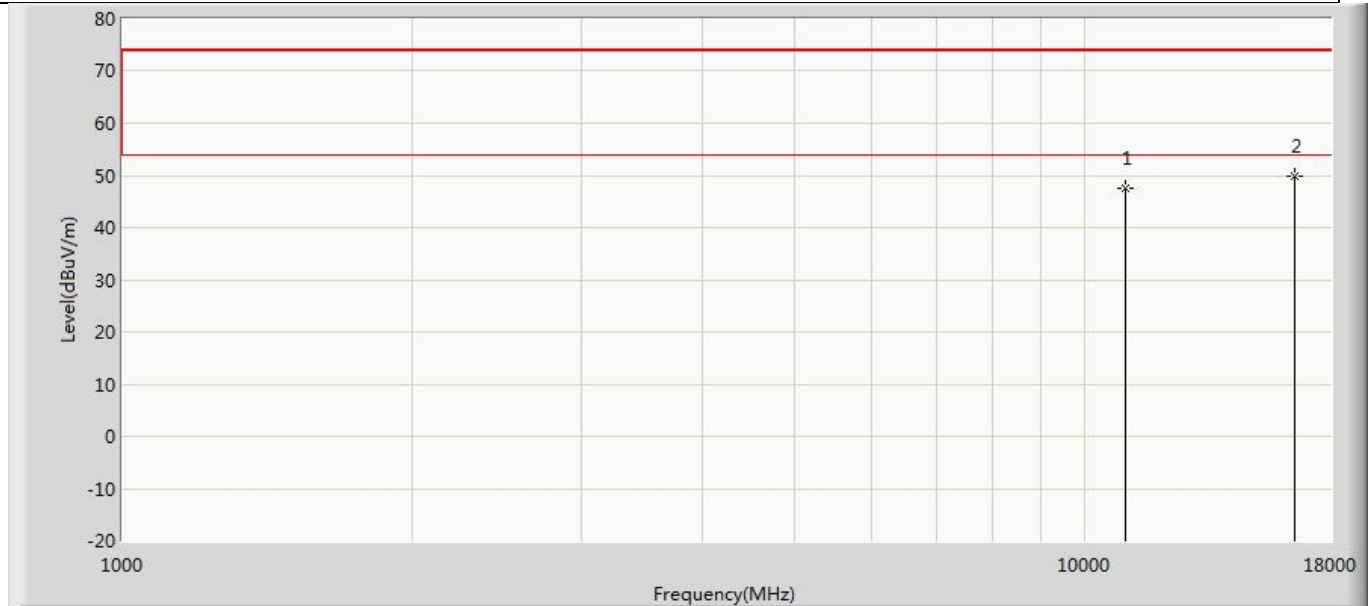
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10640.000	45.743	52.853	-28.257	74.000	-7.109	PK
2	*	15960.000	46.891	50.349	-27.109	74.000	-3.458	PK

Profile: 2290438R	Page No.: 108
Engineer: Yu Liu	
Site: AC5	Time: 2022/11/09 - 01:14
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Vertical
EUT: BTWDB02	Power: DC 3.3V
Note: Mode 2: Transmit at 5320MHz by 11n20	



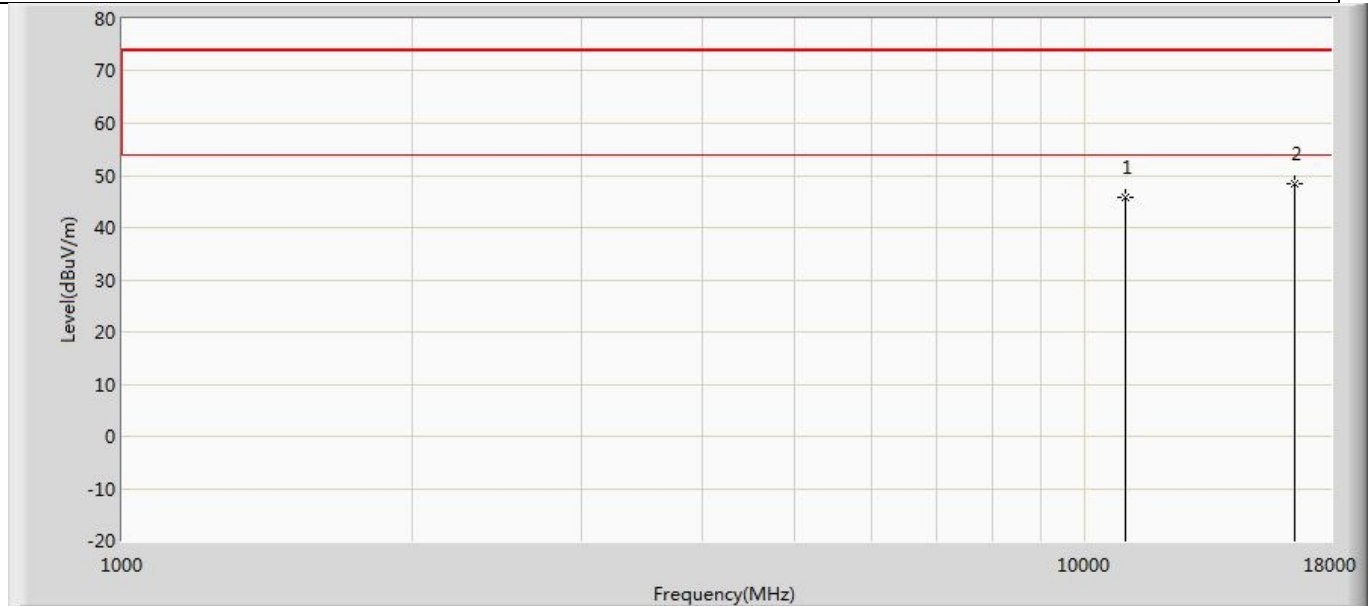
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10640.000	45.204	52.314	-28.796	74.000	-7.109	PK
2	*	15960.000	47.725	51.133	-26.275	74.000	-3.408	PK

Profile: 2290438R	Page No.: 109
Engineer: Yu Liu	
Site: AC5	Time: 2022/11/09 - 01:14
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Horizontal
EUT: BTWDB02	Power: DC 3.3V
Note: Mode 2: Transmit at 5500MHz by 11n20	



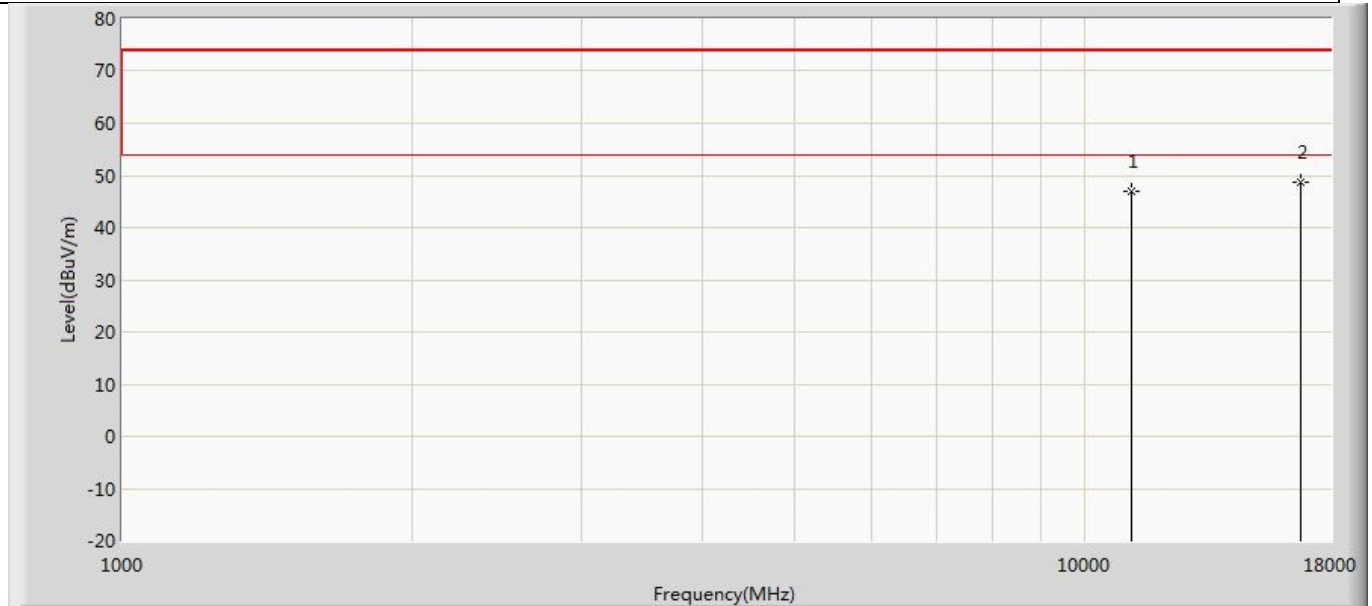
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11000.000	47.593	54.081	-26.407	74.000	-6.489	PK
2	*	16500.000	49.886	53.269	-24.114	74.000	-3.383	PK

Profile: 2290438R	Page No.: 110
Engineer: Yu Liu	
Site: AC5	Time: 2022/11/09 - 01:14
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Vertical
EUT: BTWDB02	Power: DC 3.3V
Note: Mode 2: Transmit at 5500MHz by 11n20	



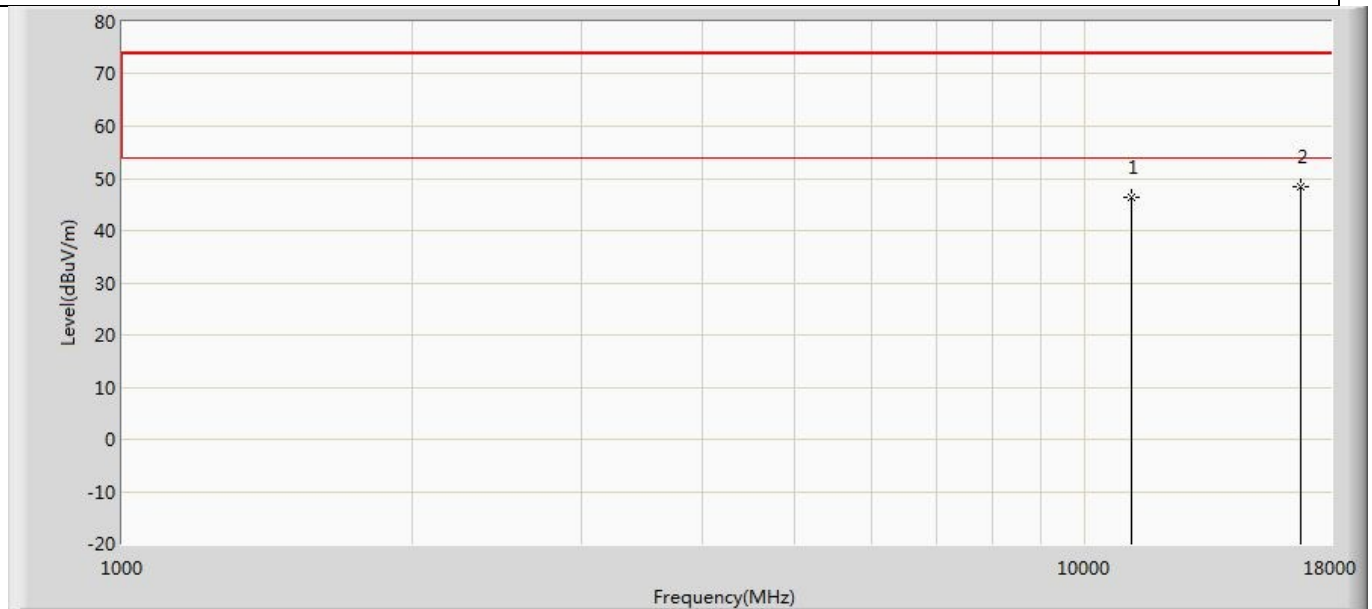
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11000.000	45.867	52.355	-28.133	74.000	-6.489	PK
2	*	16500.000	48.281	51.202	-25.719	74.000	-2.922	PK

Profile: 2290438R	Page No.: 111
Engineer: Yu Liu	
Site: AC5	Time: 2022/11/09 - 01:14
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Horizontal
EUT: BTWDB02	Power: DC 3.3V
Note: Mode 2: Transmit at 5580MHz by 11n20	



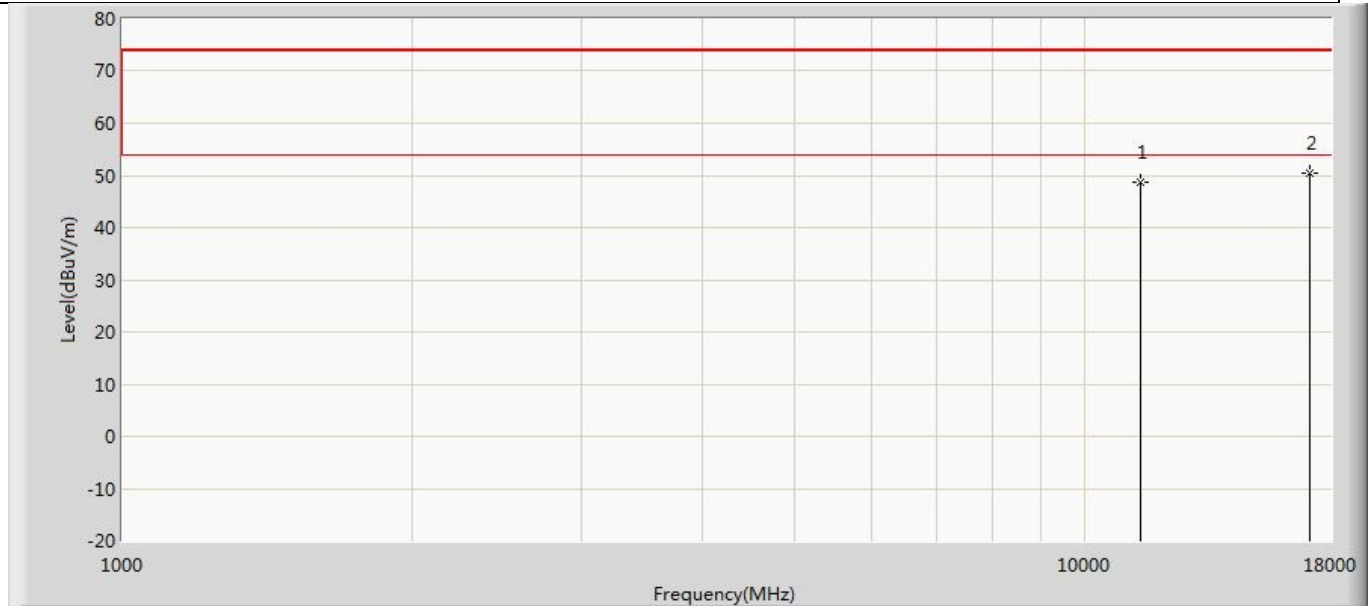
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11160.000	47.068	52.936	-26.932	74.000	-5.867	PK
2	*	16740.000	48.685	52.163	-25.315	74.000	-3.478	PK

Profile: 2290438R	Page No.: 112
Engineer: Yu Liu	
Site: AC5	Time: 2022/11/09 - 01:14
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Vertical
EUT: BTWDB02	Power: DC 3.3V
Note: Mode 2: Transmit at 5580MHz by 11n20	



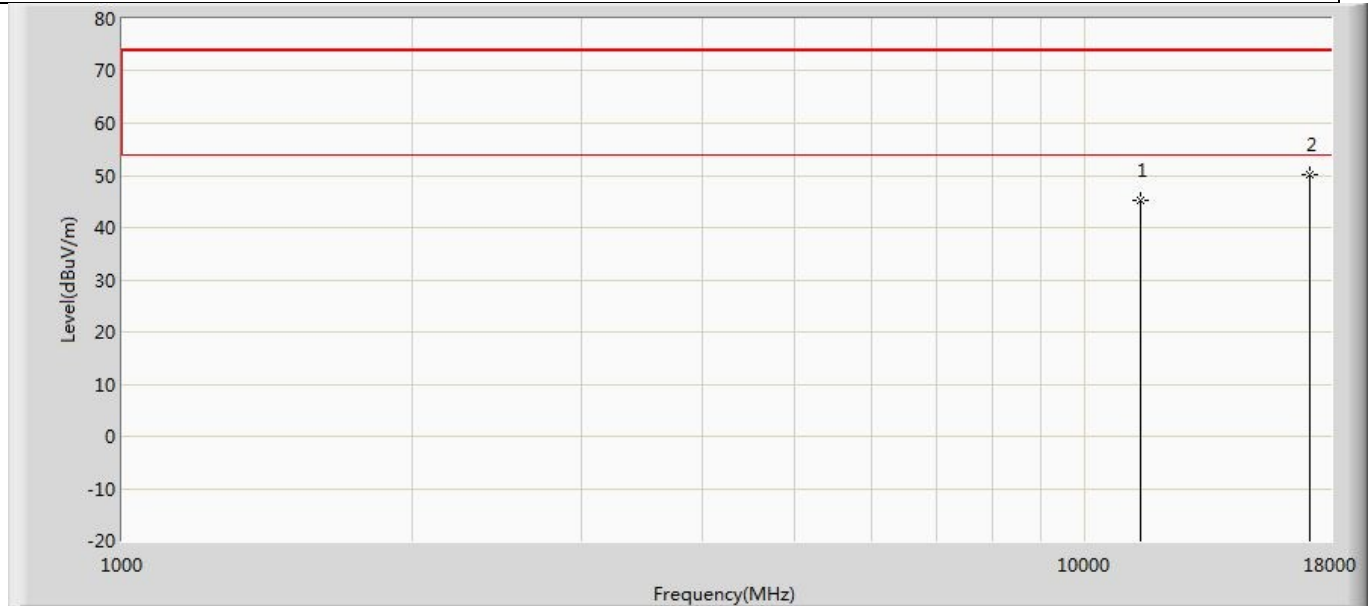
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11160.000	46.321	52.189	-27.679	74.000	-5.867	PK
2	*	16740.000	48.276	51.460	-25.724	74.000	-3.184	PK

Profile: 2290438R	Page No.: 113
Engineer: Yu Liu	
Site: AC5	Time: 2022/11/09 - 01:15
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Horizontal
EUT: BTWDB02	Power: DC 3.3V
Note: Mode 2: Transmit at 5700MHz by 11n20	



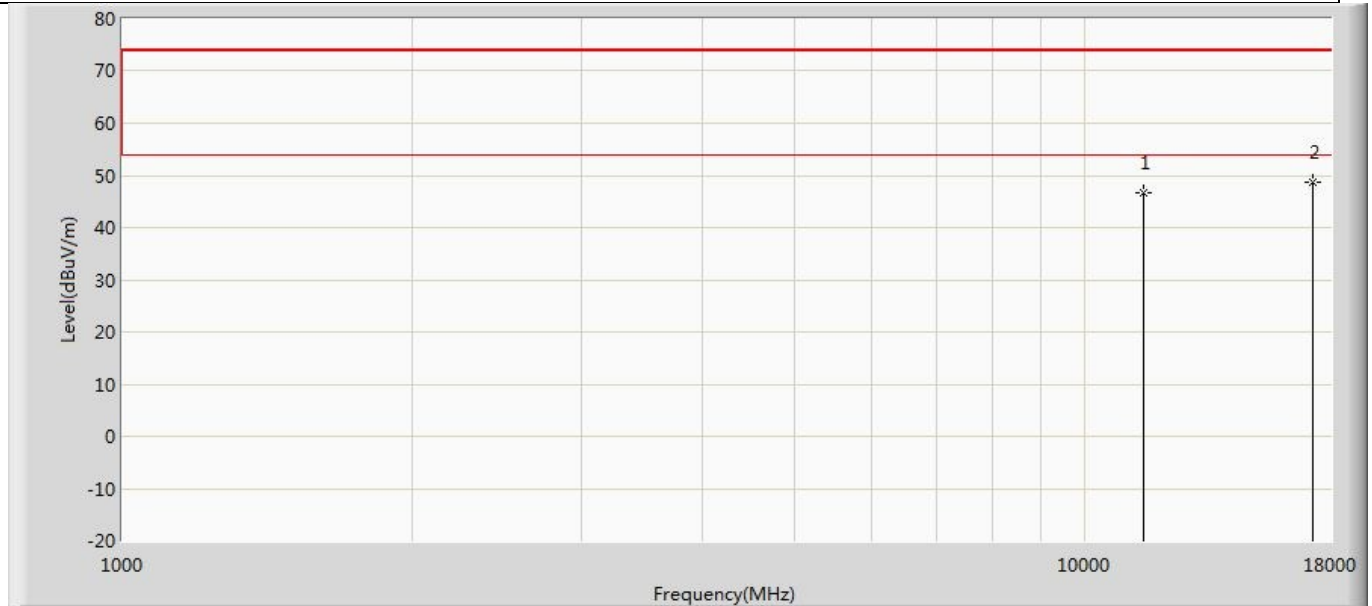
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11400.000	48.640	54.351	-25.360	74.000	-5.711	PK
2	*	17100.000	50.455	53.450	-23.545	74.000	-2.995	PK

Profile: 2290438R	Page No.: 114
Engineer: Yu Liu	
Site: AC5	Time: 2022/11/09 - 01:15
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Vertical
EUT: BTWDB02	Power: DC 3.3V
Note: Mode 2: Transmit at 5700MHz by 11n20	



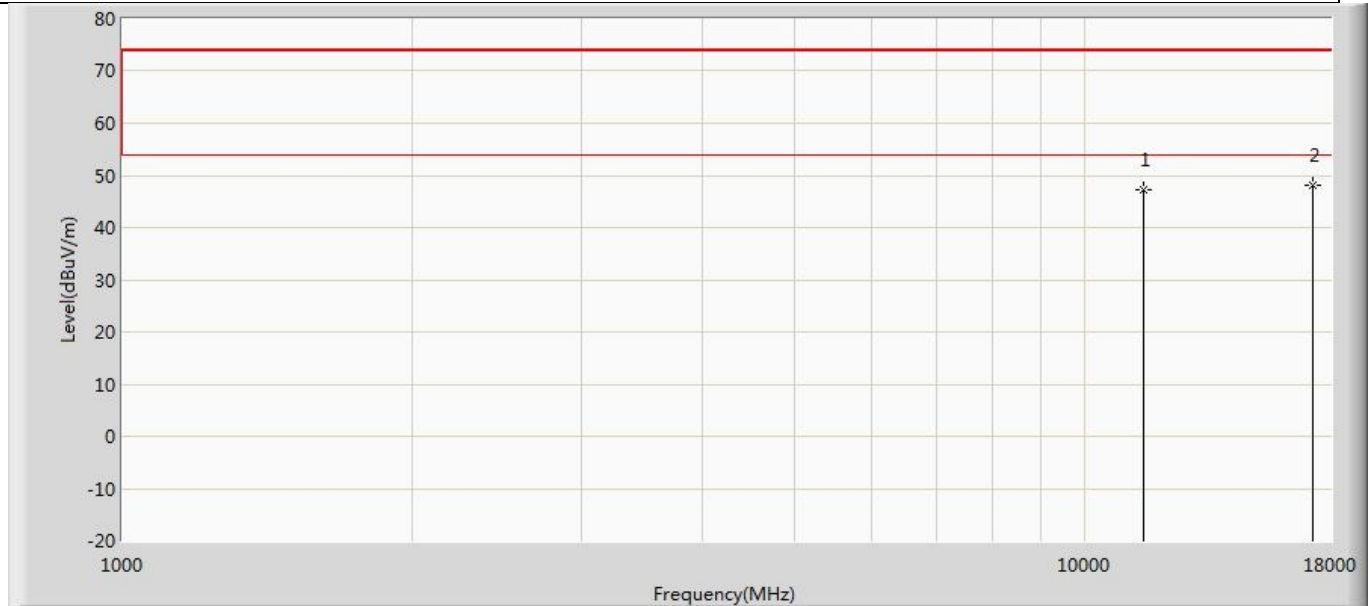
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11400.000	45.242	50.953	-28.758	74.000	-5.711	PK
2	*	17100.000	50.236	52.184	-23.764	74.000	-1.948	PK

Profile: 2290438R	Page No.: 115
Engineer: Yu Liu	
Site: AC5	Time: 2022/11/09 - 01:15
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Horizontal
EUT: BTWDB02	Power: DC 3.3V
Note: Mode 2: Transmit at 5745MHz by 11n20	



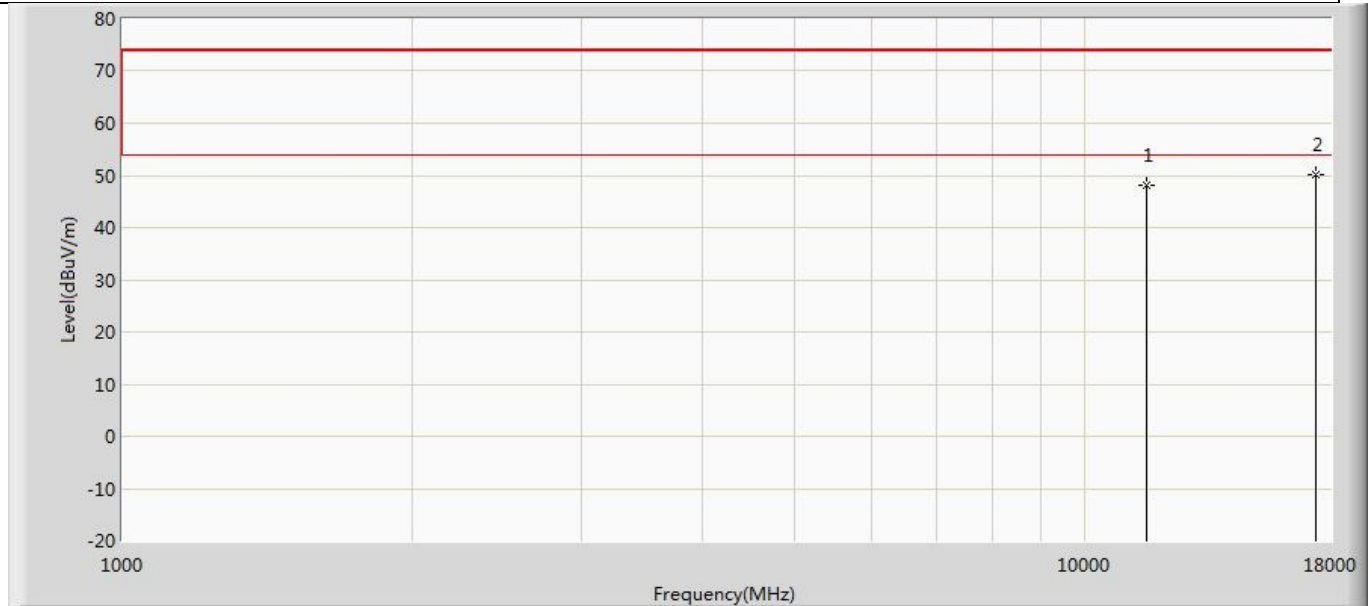
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11490.000	46.564	52.453	-27.436	74.000	-5.890	PK
2	*	17235.000	48.801	52.203	-25.199	74.000	-3.403	PK

Profile: 2290438R	Page No.: 116
Engineer: Yu Liu	
Site: AC5	Time: 2022/11/09 - 01:15
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Vertical
EUT: BTWDB02	Power: DC 3.3V
Note: Mode 2: Transmit at 5745MHz by 11n20	



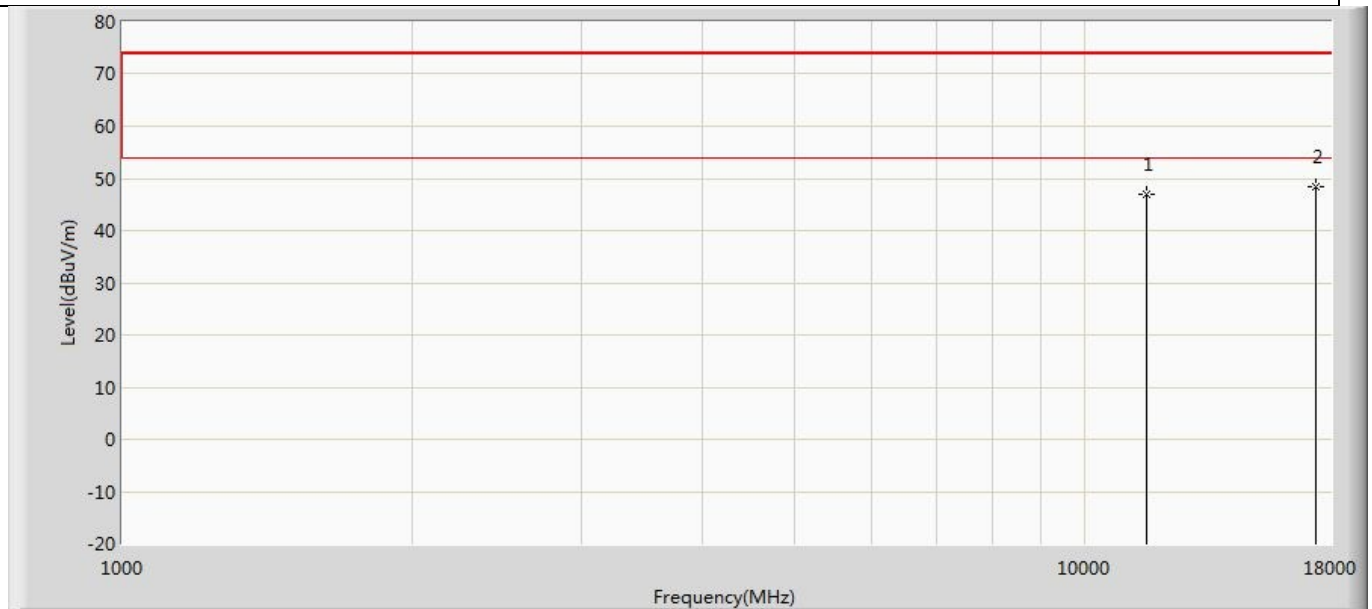
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11490.000	47.200	53.089	-26.800	74.000	-5.890	PK
2	*	17235.000	48.219	50.971	-25.781	74.000	-2.753	PK

Profile: 2290438R	Page No.: 117
Engineer: Yu Liu	
Site: AC5	Time: 2022/11/09 - 01:15
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Horizontal
EUT: BTWDB02	Power: DC 3.3V
Note: Mode 2: Transmit at 5785MHz by 11n20	



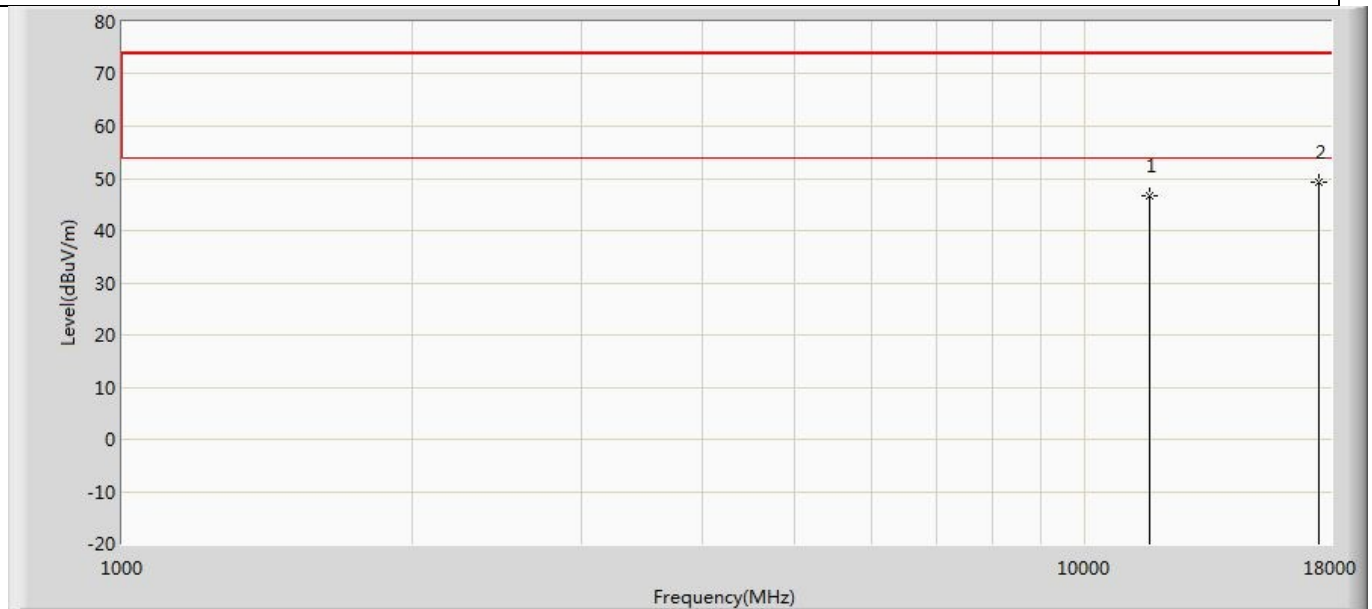
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11570.000	48.211	53.330	-25.789	74.000	-5.119	PK
2	*	17355.000	50.254	53.160	-23.746	74.000	-2.906	PK

Profile: 2290438R	Page No.: 118
Engineer: Yu Liu	
Site: AC5	Time: 2022/11/09 - 01:15
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Vertical
EUT: BTWDB02	Power: DC 3.3V
Note: Mode 2: Transmit at 5785MHz by 11n20	



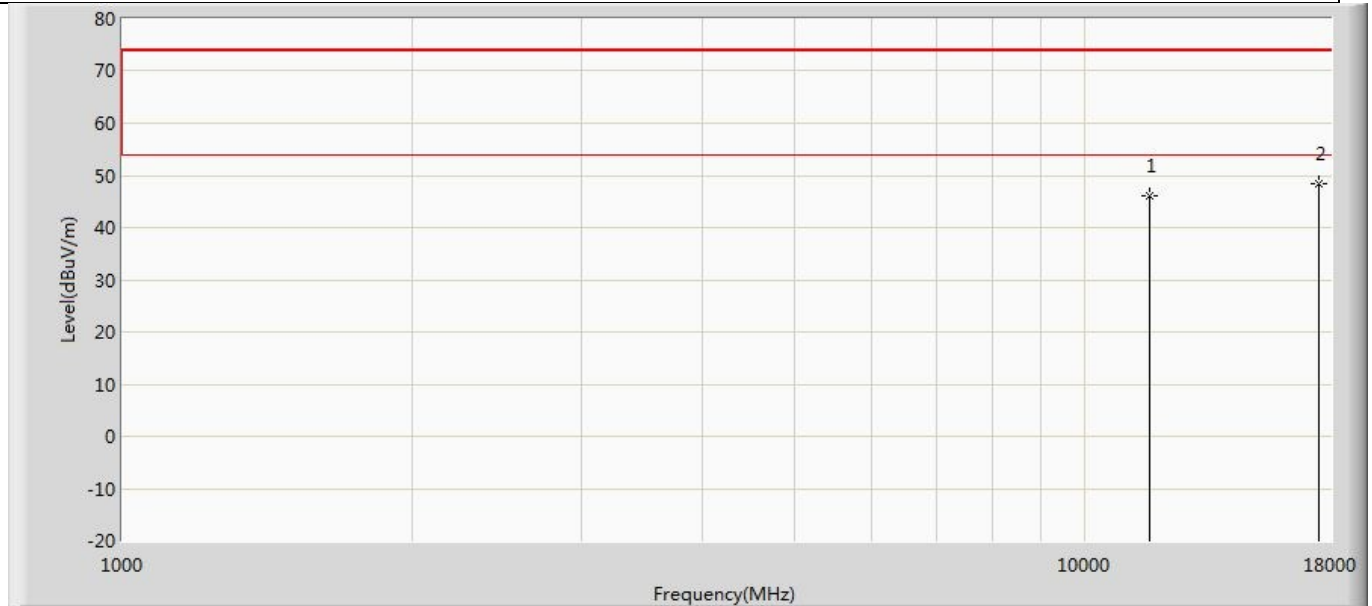
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11570.000	46.869	51.988	-27.131	74.000	-5.119	PK
2	*	17355.000	48.529	51.138	-25.471	74.000	-2.609	PK

Profile: 2290438R	Page No.: 119
Engineer: Yu Liu	
Site: AC5	Time: 2022/11/09 - 01:15
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Horizontal
EUT: BTWDB02	Power: DC 3.3V
Note: Mode 2: Transmit at 5825MHz by 11n20	



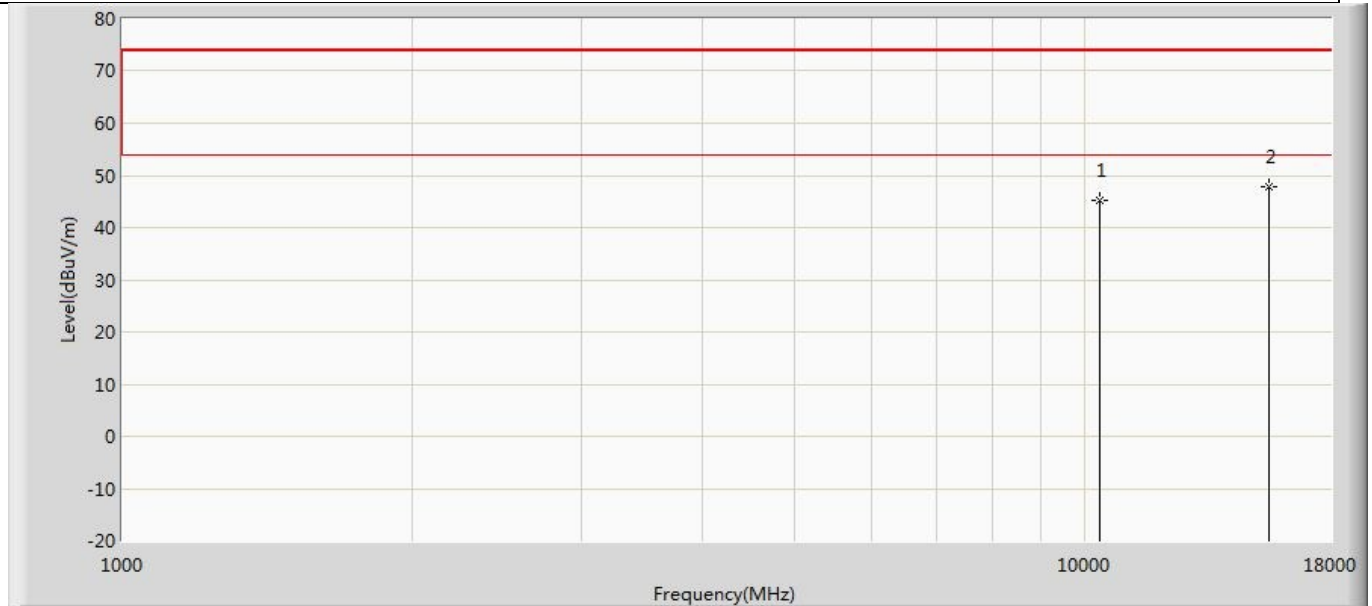
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11650.000	46.557	51.795	-27.443	74.000	-5.238	PK
2	*	17475.000	49.420	52.558	-24.580	74.000	-3.139	PK

Profile: 2290438R	Page No.: 120
Engineer: Yu Liu	
Site: AC5	Time: 2022/11/09 - 01:15
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Vertical
EUT: BTWDB02	Power: DC 3.3V
Note: Mode 2: Transmit at 5825MHz by 11n20	



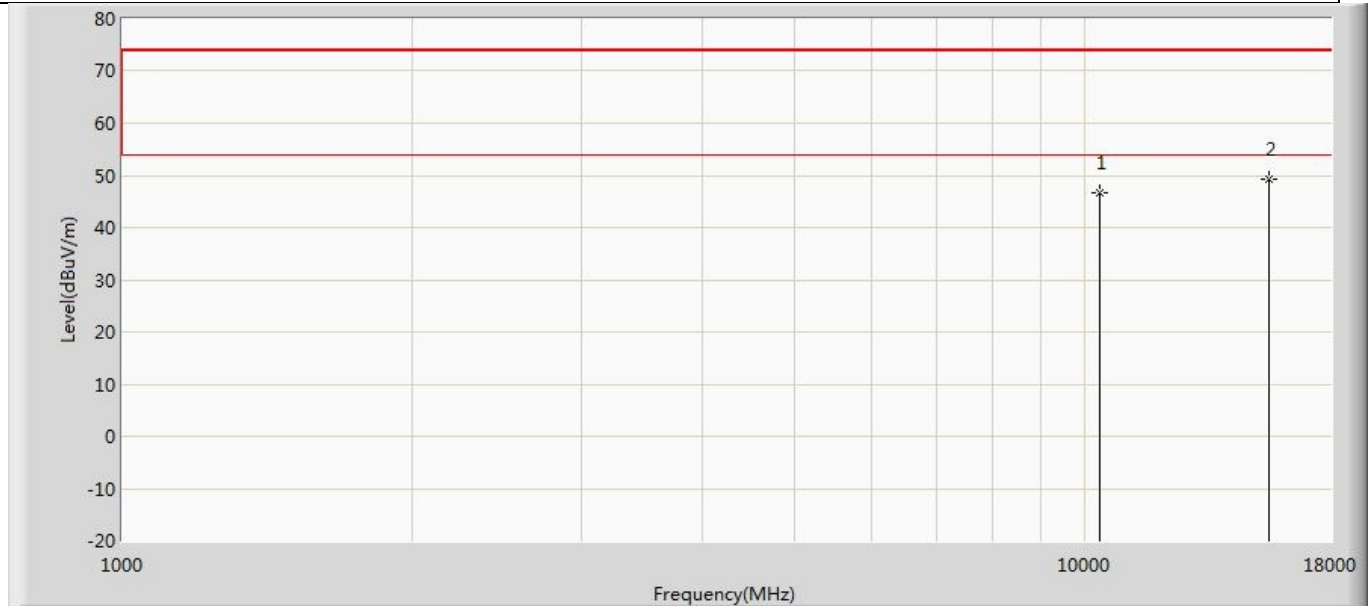
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11650.000	46.214	51.452	-27.786	74.000	-5.238	PK
2	*	17475.000	48.532	51.670	-25.468	74.000	-3.139	PK

Profile: 2290438R	Page No.: 121
Engineer: Yu Liu	
Site: AC5	Time: 2022/11/09 - 01:15
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Horizontal
EUT: BTWDB02	Power: DC 3.3V
Note: Mode 3: Transmit at 5180MHz by 11ac20	



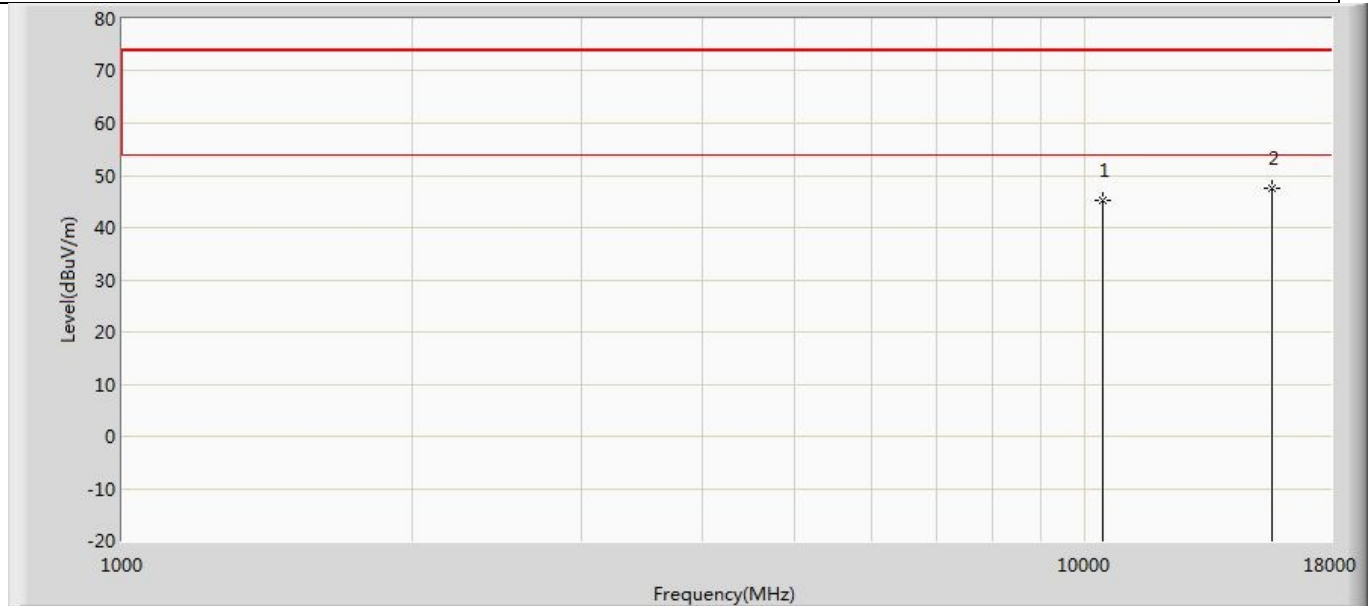
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10360.000	45.260	52.672	-28.740	74.000	-7.412	PK
2	*	15540.000	47.970	52.083	-26.030	74.000	-4.113	PK

Profile: 2290438R	Page No.: 122
Engineer: Yu Liu	
Site: AC5	Time: 2022/11/09 - 01:15
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Vertical
EUT: BTWDB02	Power: DC 3.3V
Note: Mode 3: Transmit at 5180MHz by 11ac20	



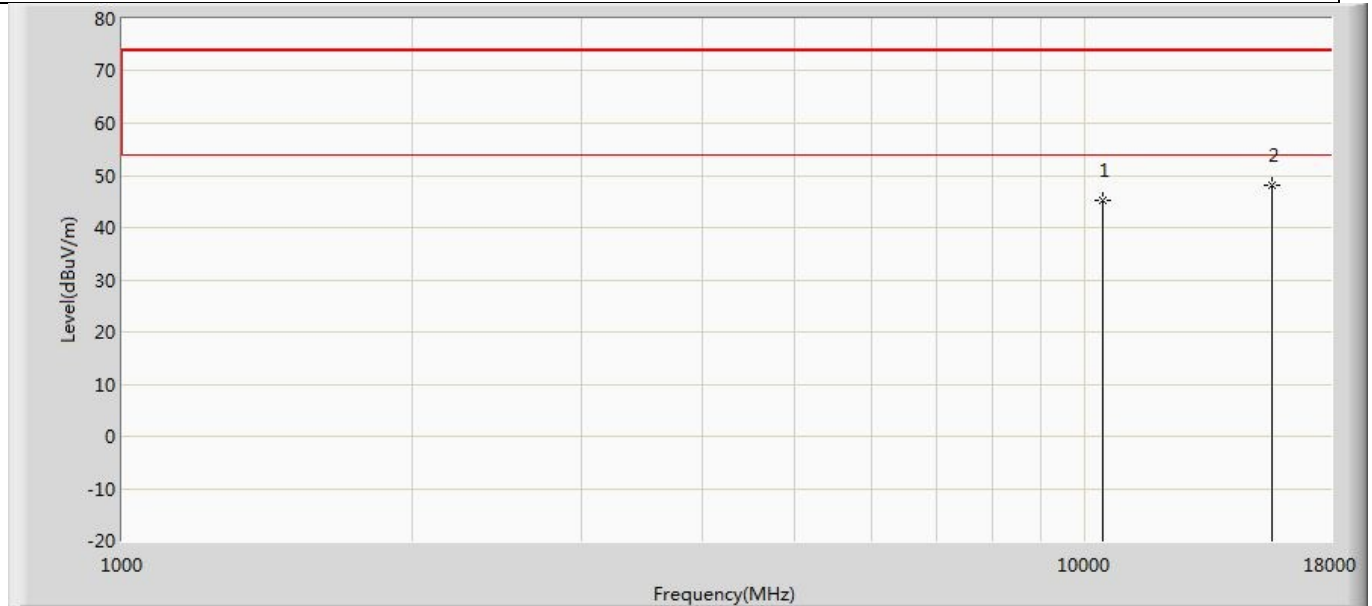
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10360.000	46.583	53.995	-27.417	74.000	-7.412	PK
2	*	15540.000	49.411	53.524	-24.589	74.000	-4.113	PK

Profile: 2290438R	Page No.: 123
Engineer: Yu Liu	
Site: AC5	Time: 2022/11/09 - 01:16
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Horizontal
EUT: BTWDB02	Power: DC 3.3V
Note: Mode 3: Transmit at 5220MHz by 11ac20	



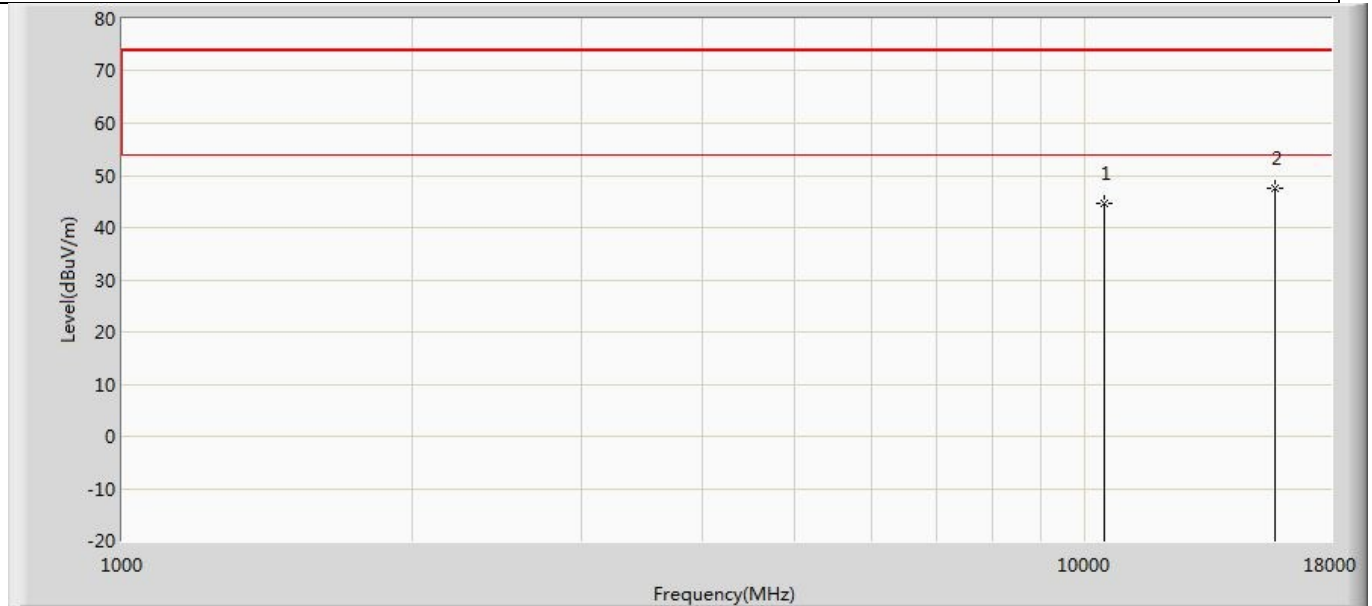
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10440.000	45.208	52.447	-28.792	74.000	-7.239	PK
2	*	15660.000	47.456	51.678	-26.544	74.000	-4.221	PK

Profile: 2290438R	Page No.: 124
Engineer: Yu Liu	
Site: AC5	Time: 2022/11/09 - 01:16
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Vertical
EUT: BTWDB02	Power: DC 3.3V
Note: Mode 3: Transmit at 5220MHz by 11ac20	



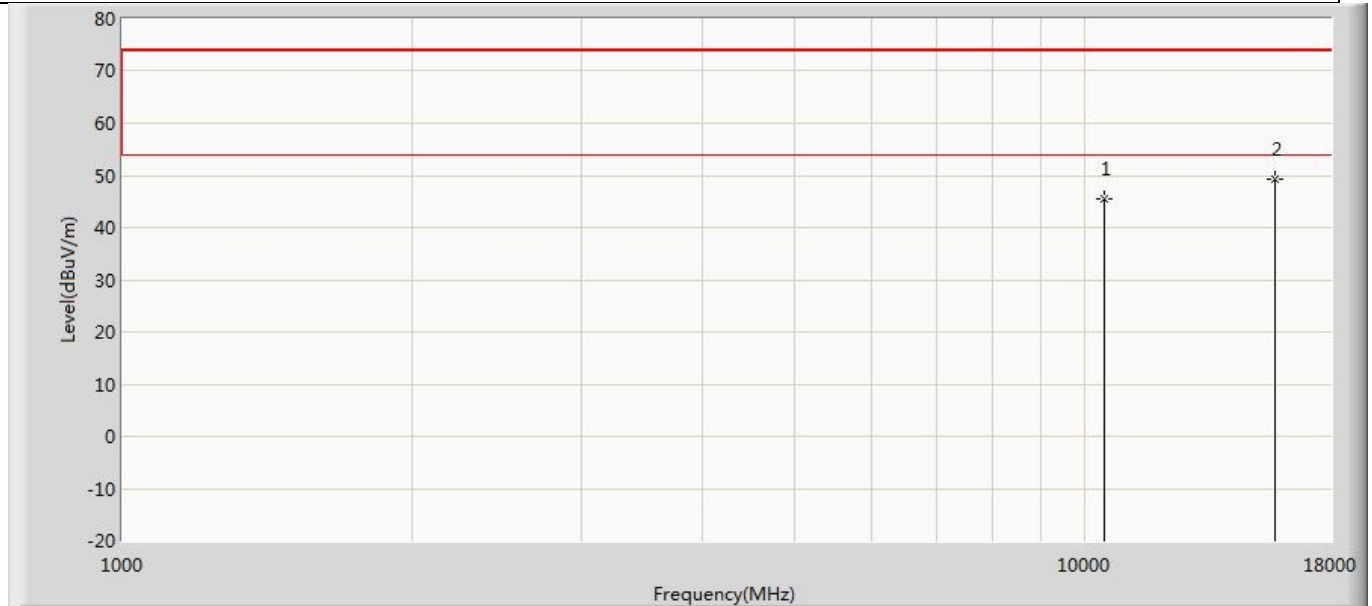
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10440.000	45.098	52.337	-28.902	74.000	-7.239	PK
2	*	15660.000	48.030	52.252	-25.970	74.000	-4.221	PK

Profile: 2290438R	Page No.: 125
Engineer: Yu Liu	
Site: AC5	Time: 2022/11/09 - 01:16
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Horizontal
EUT: BTWDB02	Power: DC 3.3V
Note: Mode 3: Transmit at 5240MHz by 11ac20	



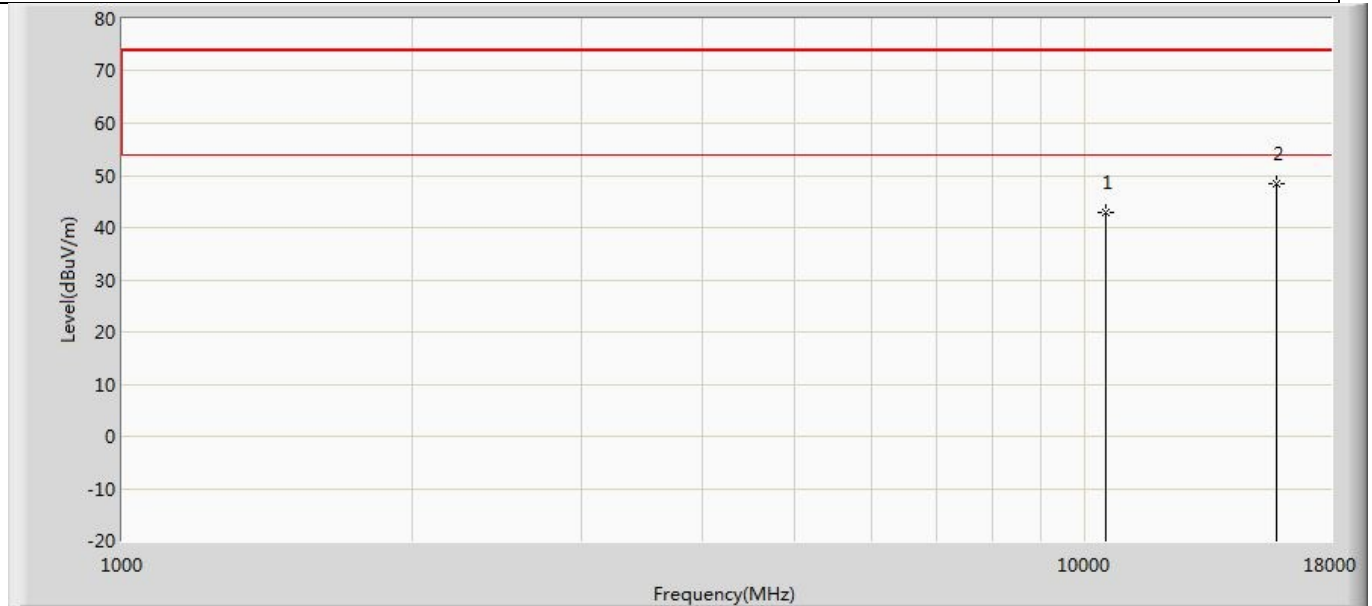
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10480.000	44.749	51.773	-29.251	74.000	-7.024	PK
2	*	15720.000	47.538	51.196	-26.462	74.000	-3.658	PK

Profile: 2290438R	Page No.: 126
Engineer: Yu Liu	
Site: AC5	Time: 2022/11/09 - 01:16
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Vertical
EUT: BTWDB02	Power: DC 3.3V
Note: Mode 3: Transmit at 5240MHz by 11ac20	



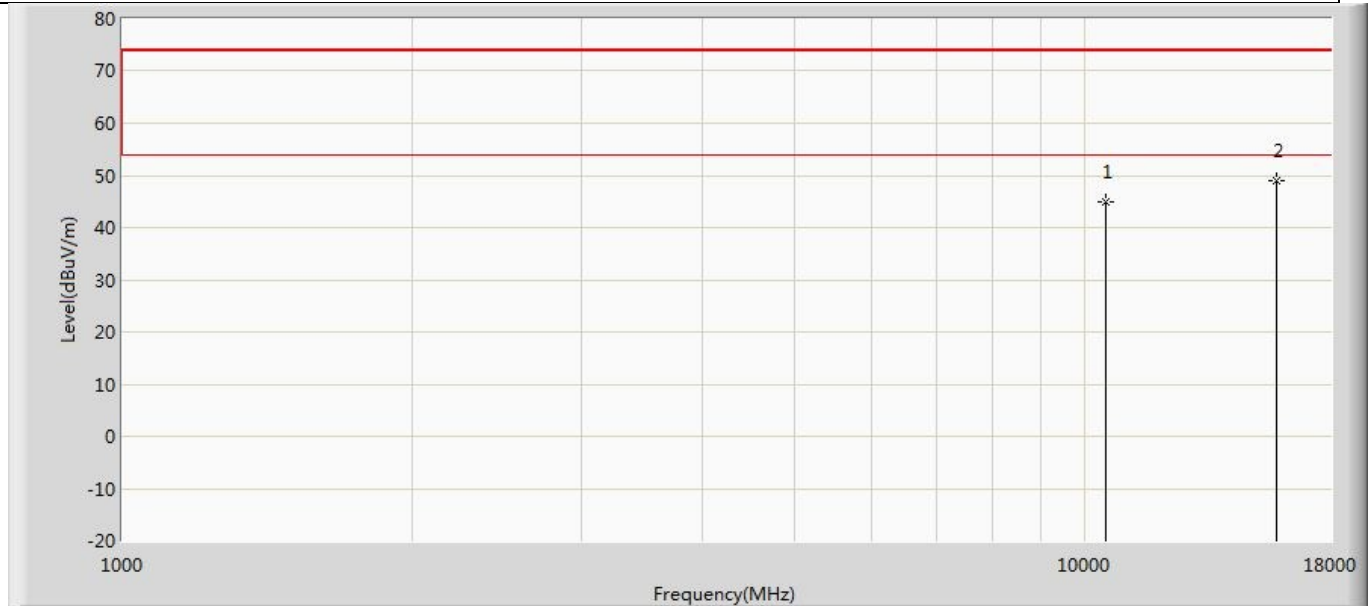
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10480.000	45.400	52.424	-28.600	74.000	-7.024	PK
2	*	15720.000	49.316	52.974	-24.684	74.000	-3.658	PK

Profile: 2290438R	Page No.: 127
Engineer: Yu Liu	
Site: AC5	Time: 2022/11/09 - 01:16
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Horizontal
EUT: BTWDB02	Power: DC 3.3V
Note: Mode 3: Transmit at 5260MHz by 11ac20	



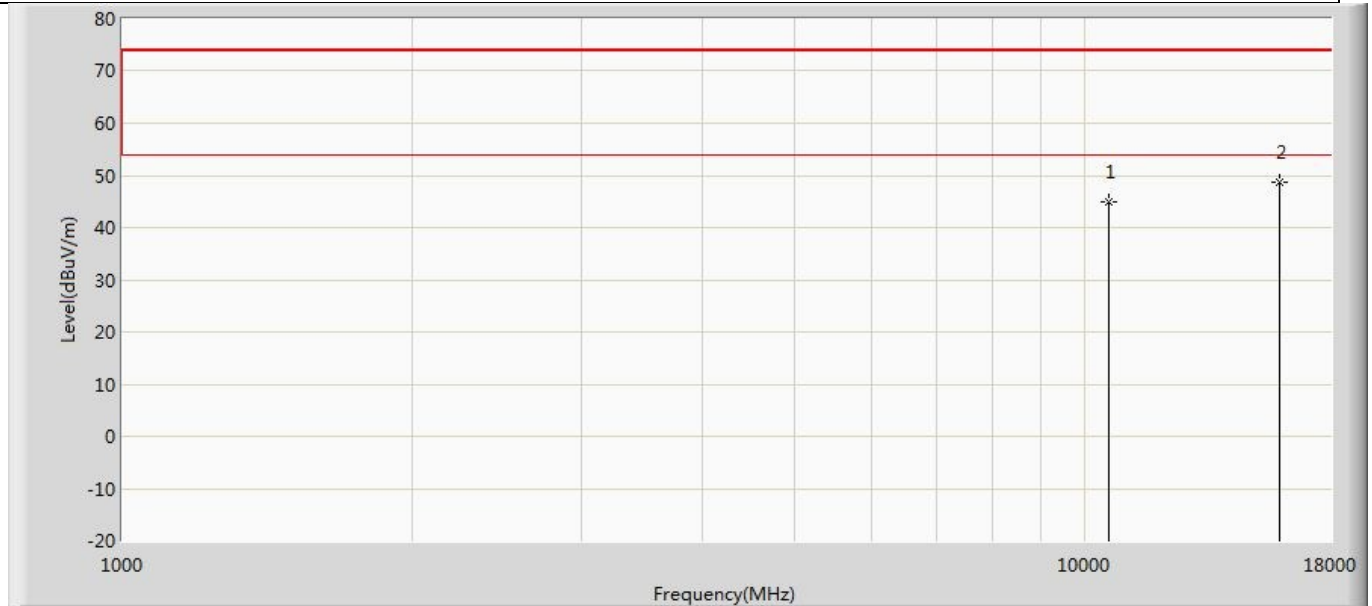
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10520.000	42.858	50.271	-31.142	74.000	-7.413	PK
2	*	15780.000	48.295	51.573	-25.705	74.000	-3.278	PK

Profile: 2290438R	Page No.: 128
Engineer: Yu Liu	
Site: AC5	Time: 2022/11/09 - 01:16
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Vertical
EUT: BTWDB02	Power: DC 3.3V
Note: Mode 3: Transmit at 5260MHz by 11ac20	



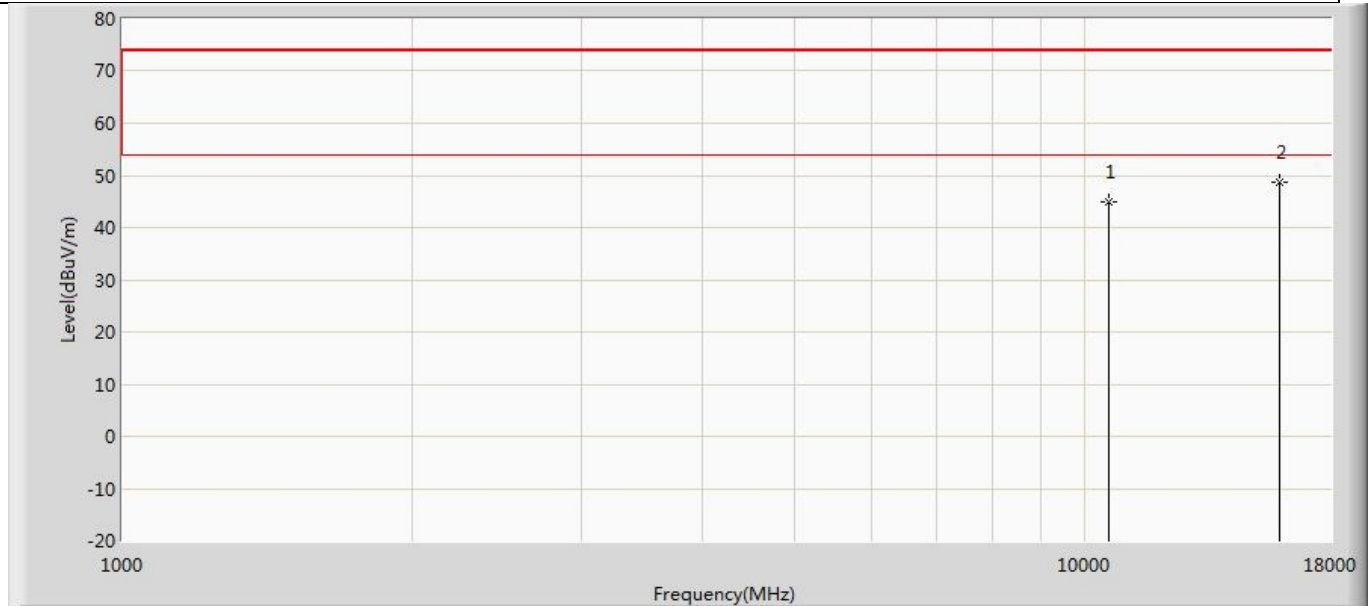
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10520.000	44.862	52.275	-29.138	74.000	-7.413	PK
2	*	15780.000	48.847	52.125	-25.153	74.000	-3.278	PK

Profile: 2290438R	Page No.: 129
Engineer: Yu Liu	
Site: AC5	Time: 2022/11/09 - 01:16
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Horizontal
EUT: BTWDB02	Power: DC 3.3V
Note: Mode 3: Transmit at 5300MHz by 11ac20	



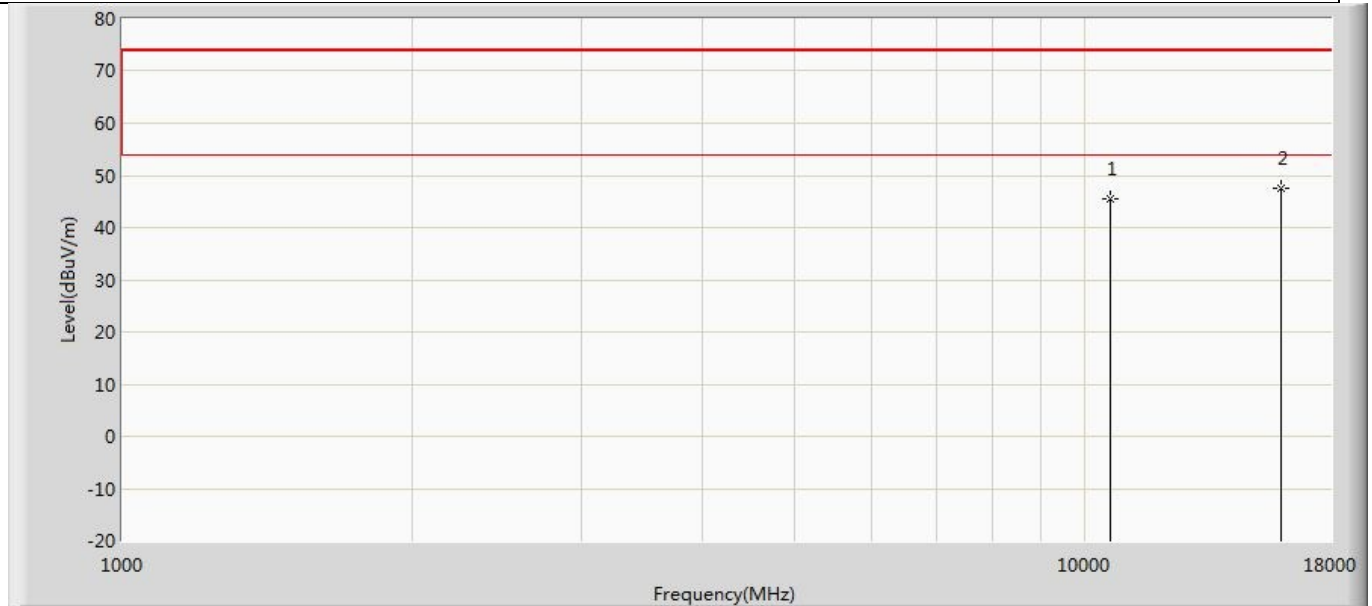
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10600.000	44.852	51.720	-29.148	74.000	-6.867	PK
2	*	15900.000	48.838	51.405	-25.162	74.000	-2.566	PK

Profile: 2290438R	Page No.: 130
Engineer: Yu Liu	
Site: AC5	Time: 2022/11/09 - 01:16
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Vertical
EUT: BTWDB02	Power: DC 3.3V
Note: Mode 3: Transmit at 5300MHz by 11ac20	



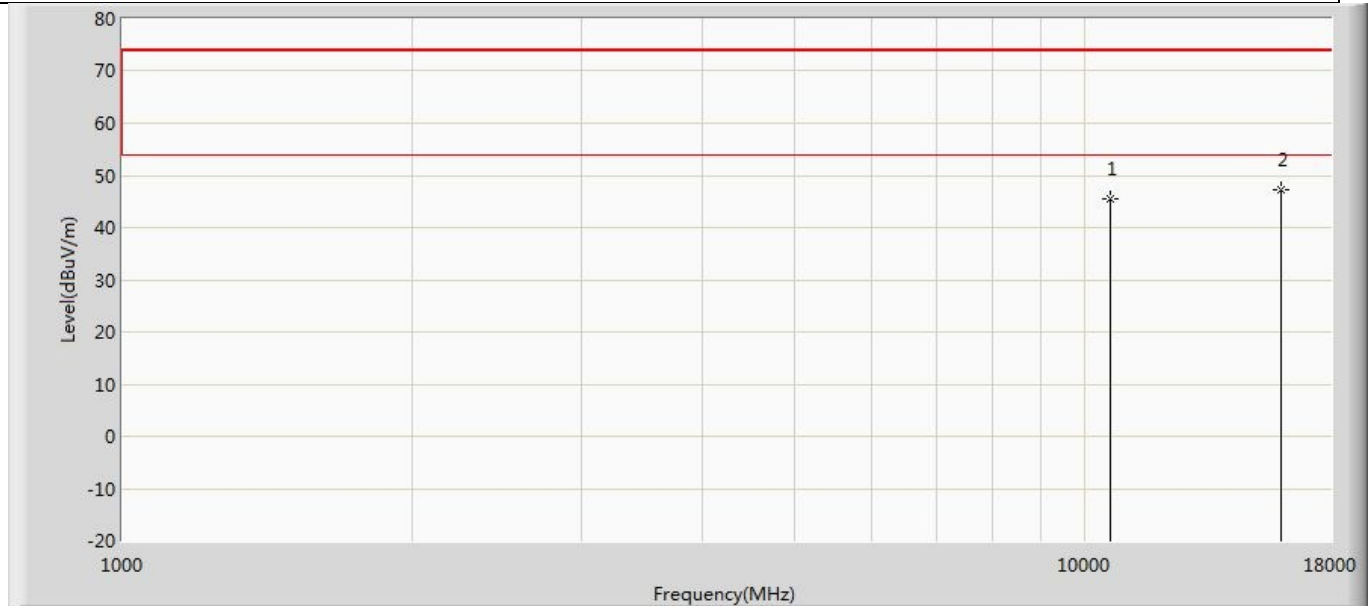
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10600.000	44.827	51.695	-29.173	74.000	-6.867	PK
2	*	15900.000	48.662	51.229	-25.338	74.000	-2.566	PK

Profile: 2290438R	Page No.: 131
Engineer: Yu Liu	
Site: AC5	Time: 2022/11/09 - 01:16
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Horizontal
EUT: BTWDB02	Power: DC 3.3V
Note: Mode 3: Transmit at 5320MHz by 11ac20	



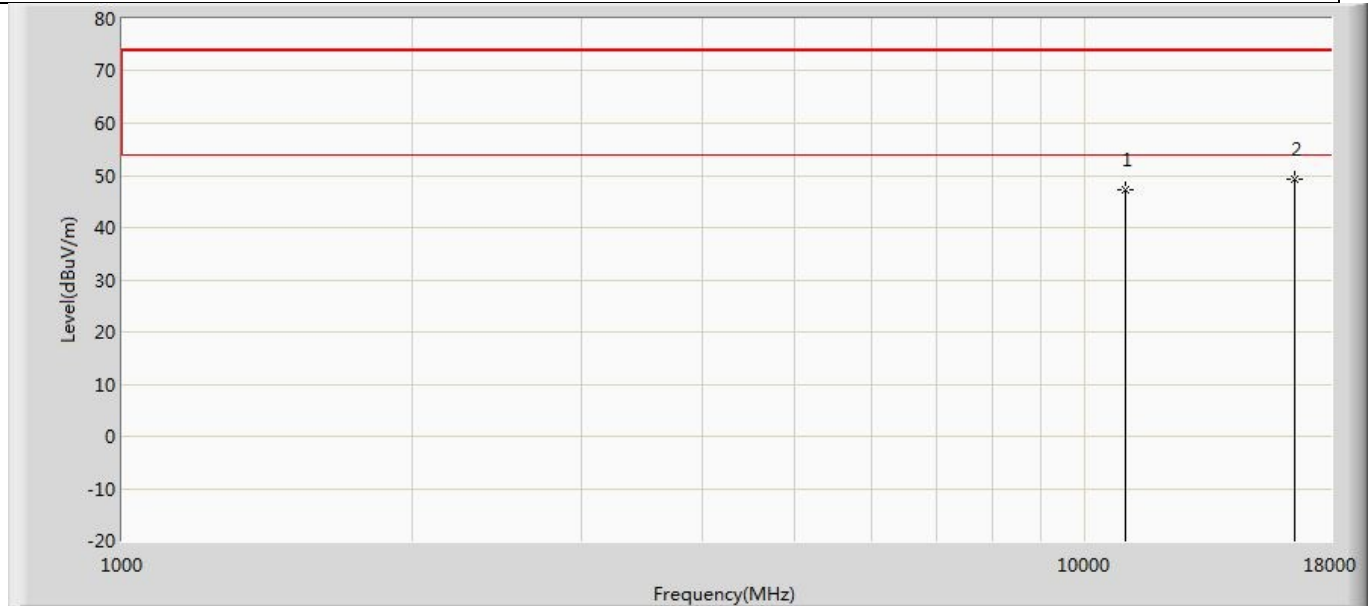
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10640.000	45.601	52.711	-28.399	74.000	-7.109	PK
2	*	15960.000	47.659	51.117	-26.341	74.000	-3.458	PK

Profile: 2290438R	Page No.: 132
Engineer: Yu Liu	
Site: AC5	Time: 2022/11/09 - 01:16
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Vertical
EUT: BTWDB02	Power: DC 3.3V
Note: Mode 3: Transmit at 5320MHz by 11ac20	



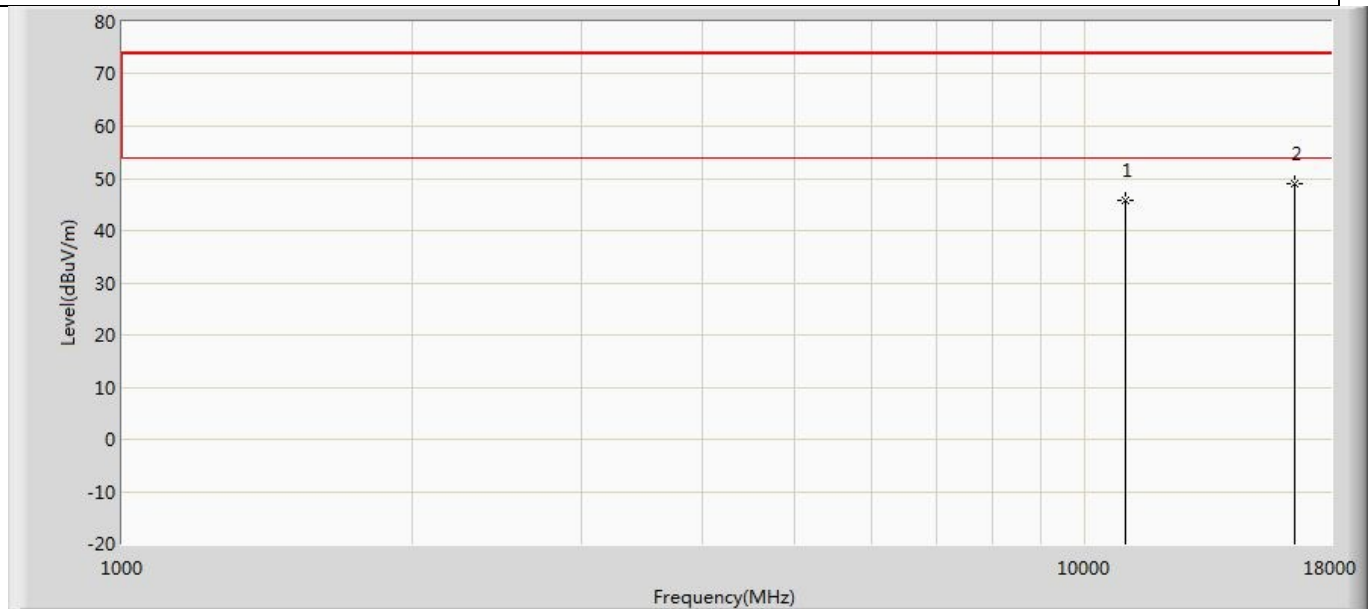
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10640.000	45.375	52.485	-28.625	74.000	-7.109	PK
2	*	15960.000	47.170	50.578	-26.830	74.000	-3.408	PK

Profile: 2290438R	Page No.: 133
Engineer: Yu Liu	
Site: AC5	Time: 2022/11/09 - 01:17
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Horizontal
EUT: BTWDB02	Power: DC 3.3V
Note: Mode 3: Transmit at 5500MHz by 11ac20	



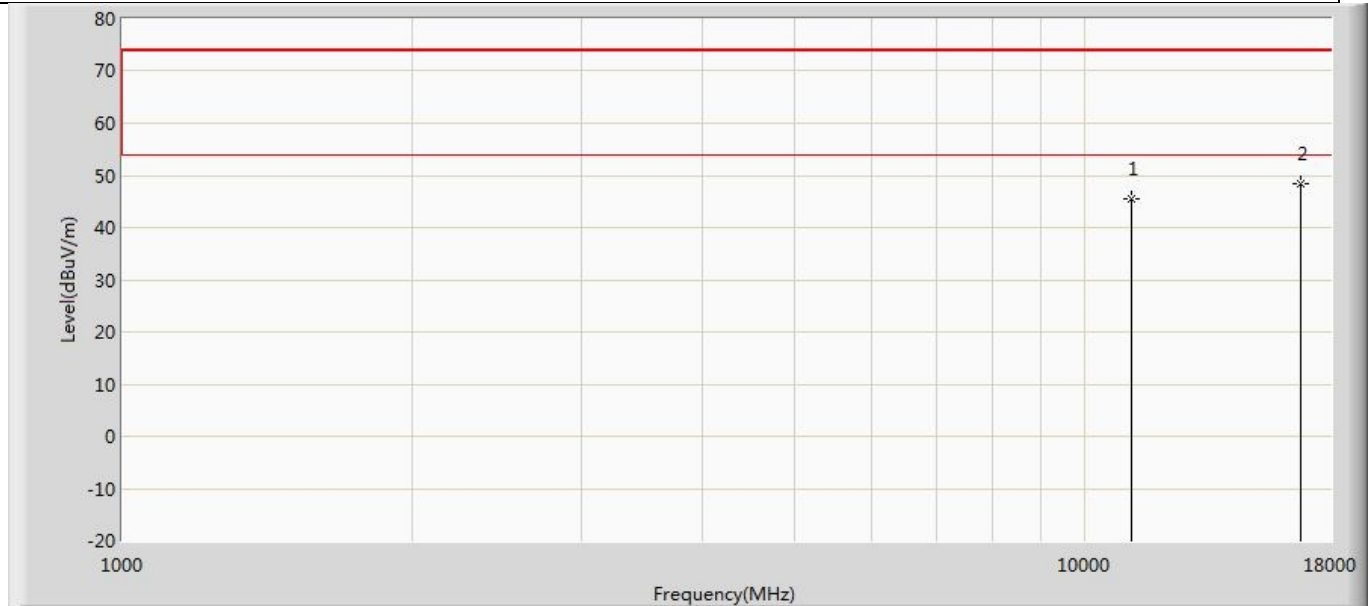
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11000.000	47.355	53.843	-26.645	74.000	-6.489	PK
2	*	16500.000	49.381	52.764	-24.619	74.000	-3.383	PK

Profile: 2290438R	Page No.: 134
Engineer: Yu Liu	
Site: AC5	Time: 2022/11/09 - 01:17
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Vertical
EUT: BTWDB02	Power: DC 3.3V
Note: Mode 3: Transmit at 5500MHz by 11ac20	



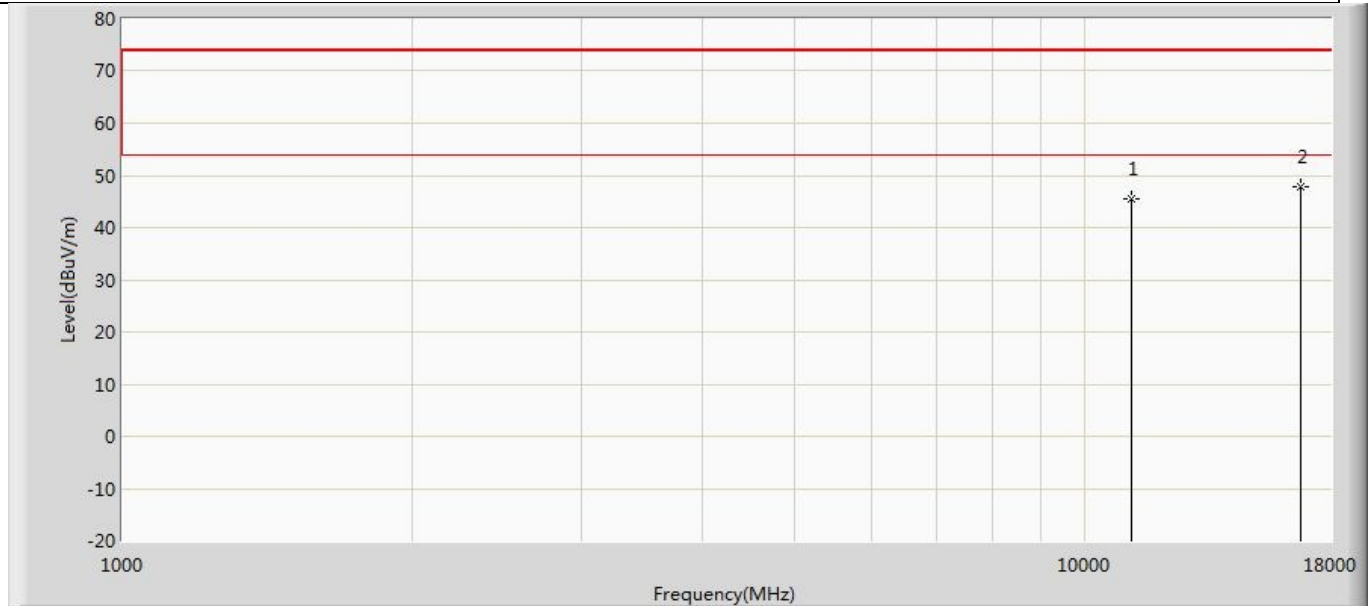
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11000.000	45.701	52.189	-28.299	74.000	-6.489	PK
2	*	16500.000	49.048	51.969	-24.952	74.000	-2.922	PK

Profile: 2290438R	Page No.: 135
Engineer: Yu Liu	
Site: AC5	Time: 2022/11/09 - 01:17
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Horizontal
EUT: BTWDB02	Power: DC 3.3V
Note: Mode 3: Transmit at 5580MHz by 11ac20	



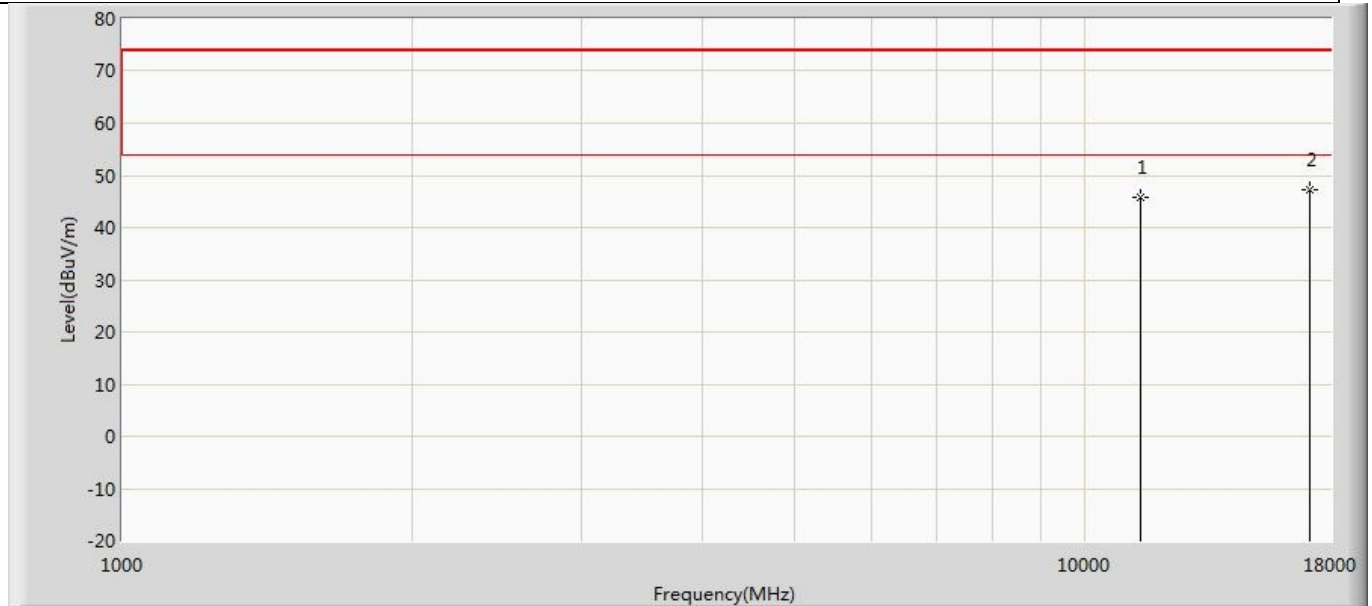
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11160.000	45.391	51.259	-28.609	74.000	-5.867	PK
2	*	16740.000	48.291	51.769	-25.709	74.000	-3.478	PK

Profile: 2290438R	Page No.: 136
Engineer: Yu Liu	
Site: AC5	Time: 2022/11/09 - 01:17
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Vertical
EUT: BTWDB02	Power: DC 3.3V
Note: Mode 3: Transmit at 5580MHz by 11ac20	



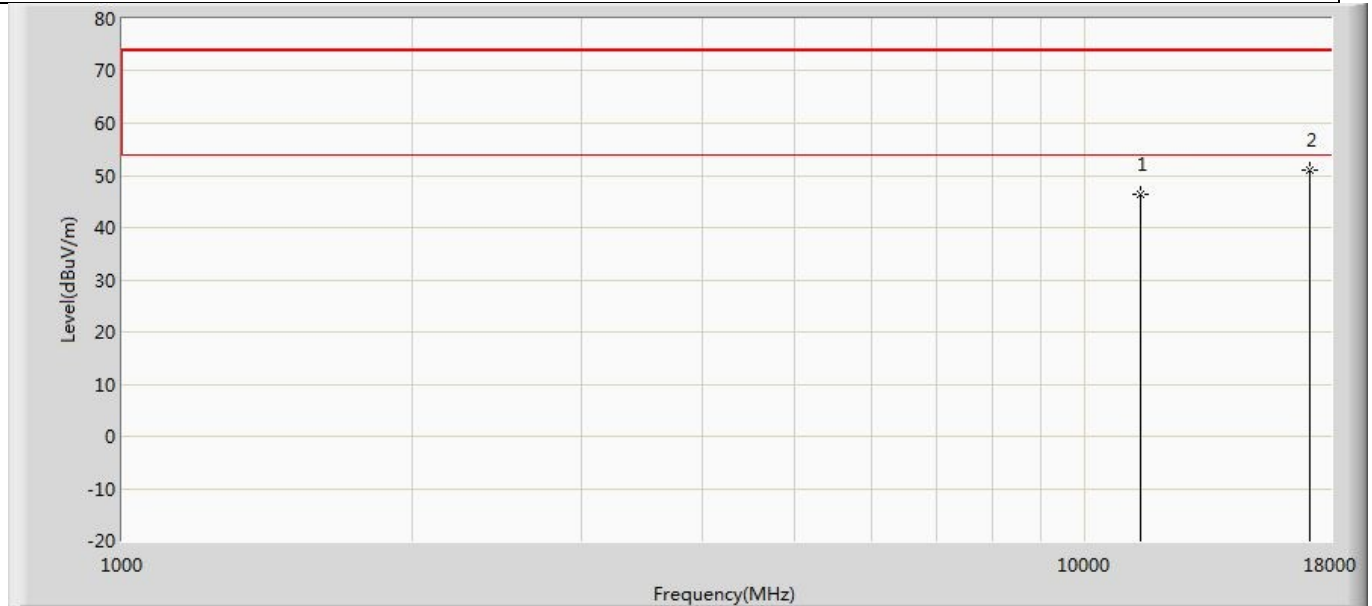
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11160.000	45.498	51.366	-28.502	74.000	-5.867	PK
2	*	16740.000	47.918	51.102	-26.082	74.000	-3.184	PK

Profile: 2290438R	Page No.: 137
Engineer: Yu Liu	
Site: AC5	Time: 2022/11/09 - 01:17
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Horizontal
EUT: BTWDB02	Power: DC 3.3V
Note: Mode 3: Transmit at 5700MHz by 11ac20	



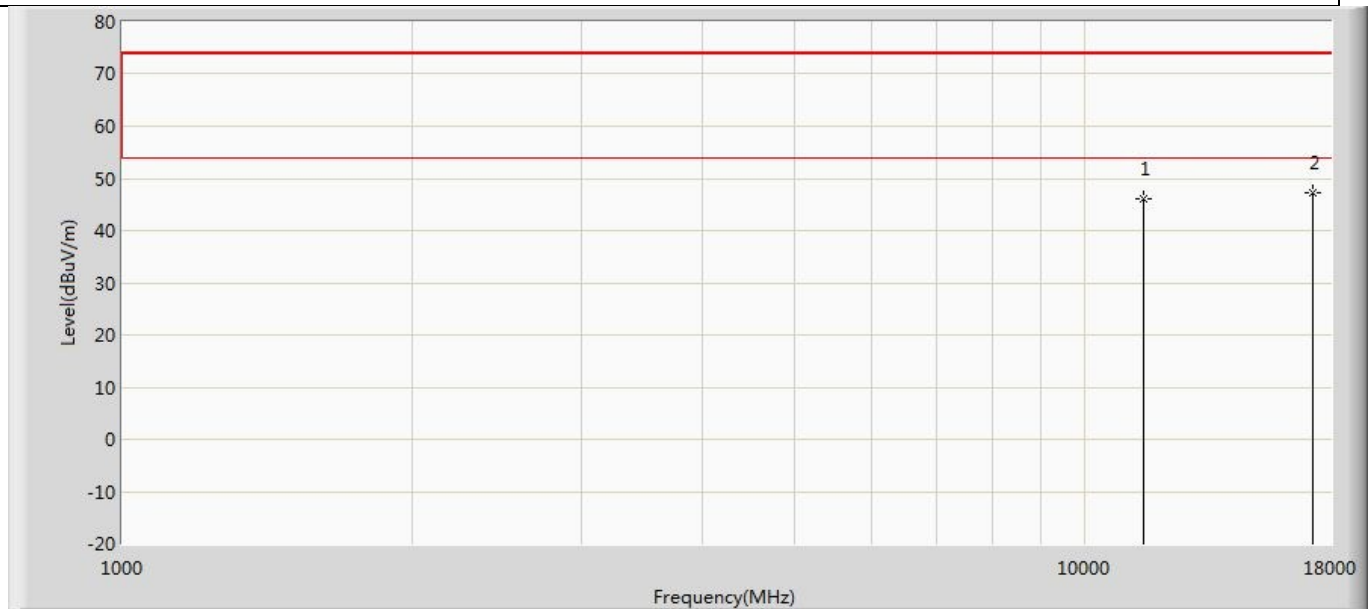
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11400.000	45.872	51.583	-28.128	74.000	-5.711	PK
2	*	17100.000	47.167	50.162	-26.833	74.000	-2.995	PK

Profile: 2290438R	Page No.: 138
Engineer: Yu Liu	
Site: AC5	Time: 2022/11/09 - 01:17
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Vertical
EUT: BTWDB02	Power: DC 3.3V
Note: Mode 3: Transmit at 5700MHz by 11ac20	



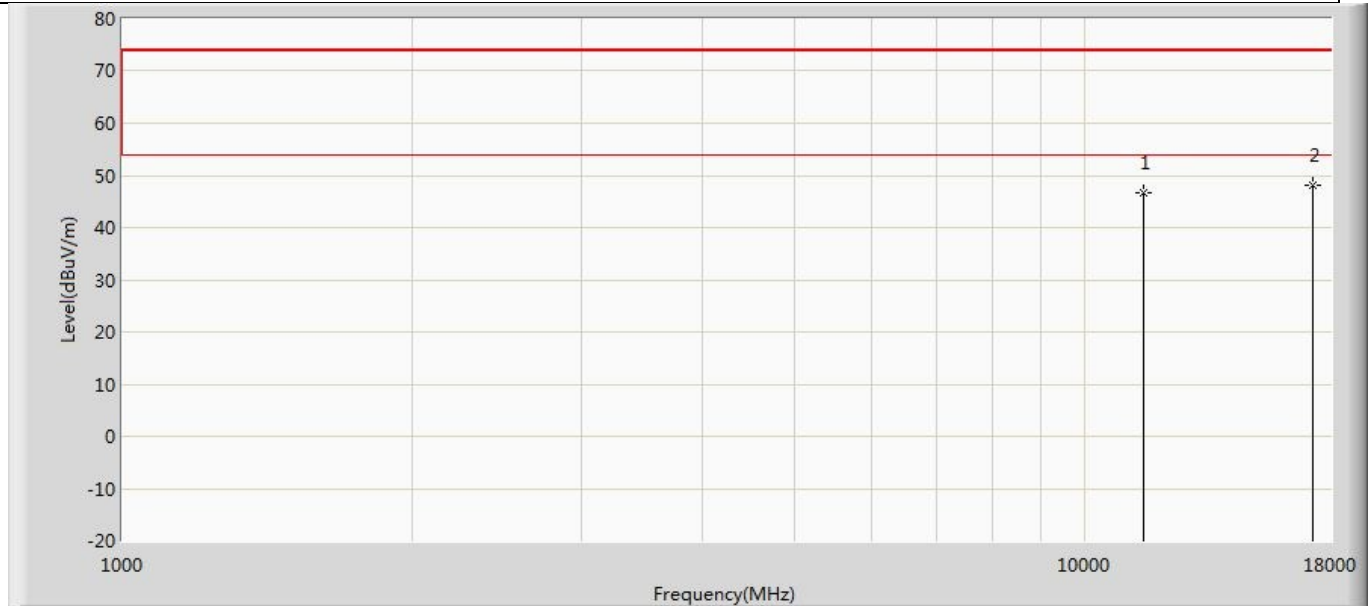
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11400.000	46.321	52.032	-27.679	74.000	-5.711	PK
2	*	17100.000	50.884	52.832	-23.116	74.000	-1.948	PK

Profile: 2290438R	Page No.: 139
Engineer: Yu Liu	
Site: AC5	Time: 2022/11/09 - 01:17
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Horizontal
EUT: BTWDB02	Power: DC 3.3V
Note: Mode 3: Transmit at 5745MHz by 11ac20	



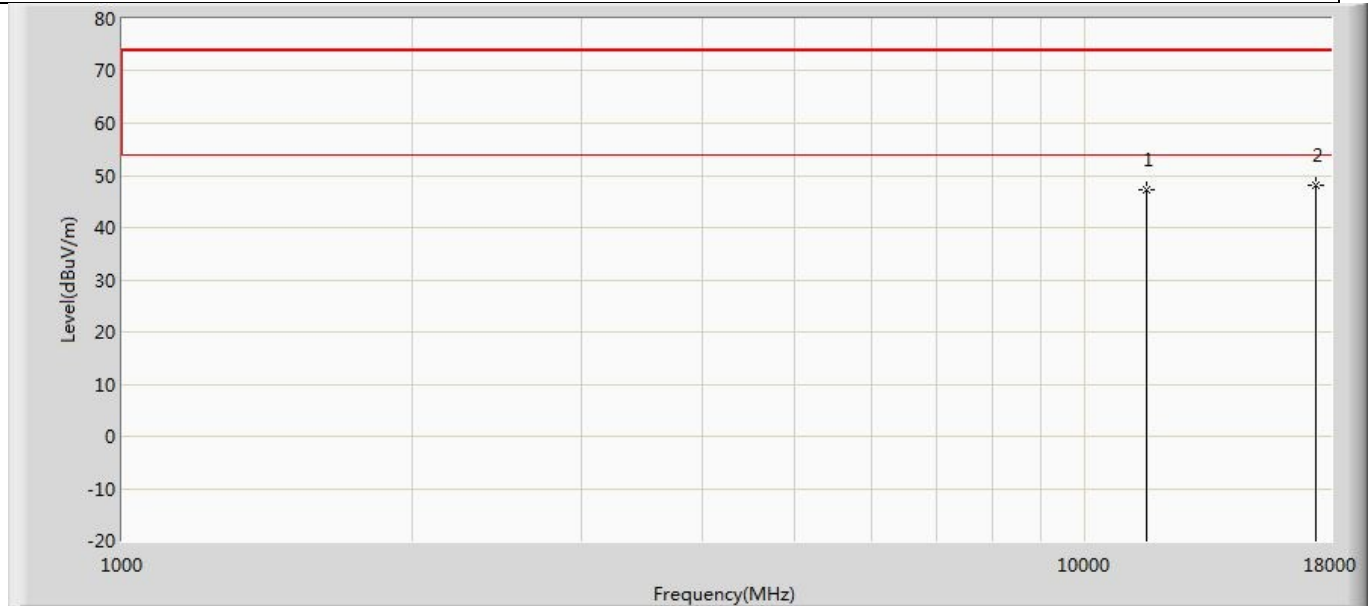
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11490.000	45.970	51.859	-28.030	74.000	-5.890	PK
2	*	17235.000	47.309	50.711	-26.691	74.000	-3.403	PK

Profile: 2290438R	Page No.: 140
Engineer: Yu Liu	
Site: AC5	Time: 2022/11/09 - 01:17
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Vertical
EUT: BTWDB02	Power: DC 3.3V
Note: Mode 3: Transmit at 5745MHz by 11ac20	



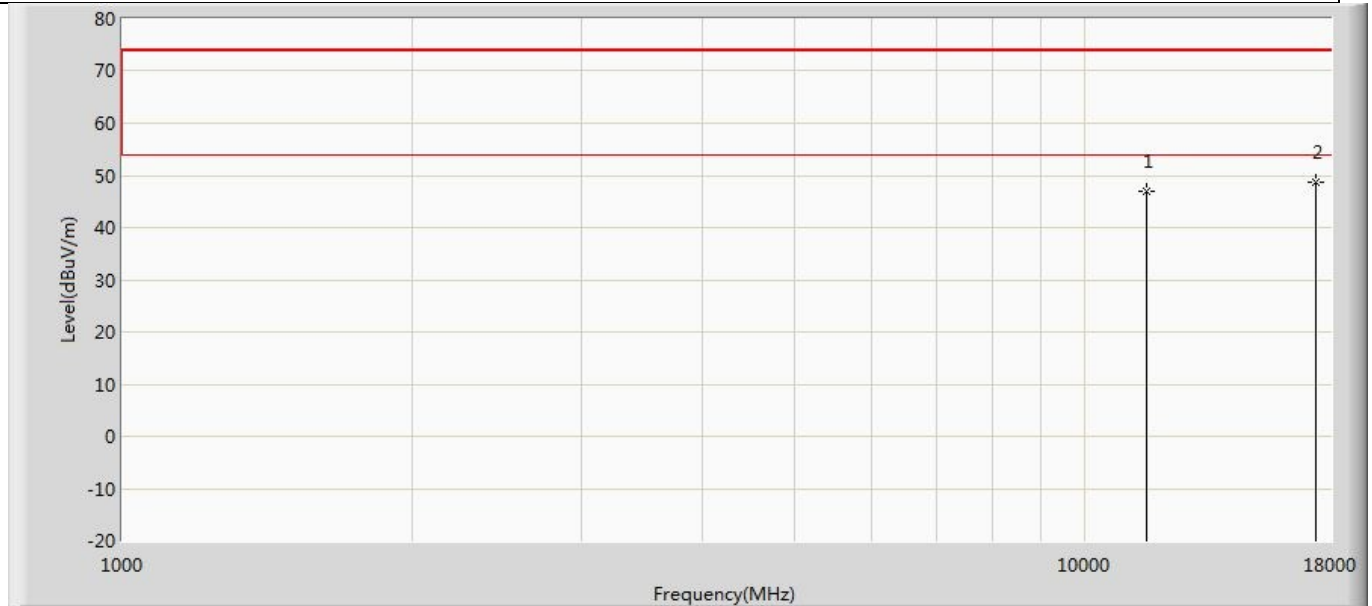
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11490.000	46.811	52.700	-27.189	74.000	-5.890	PK
2	*	17235.000	47.997	50.749	-26.003	74.000	-2.753	PK

Profile: 2290438R	Page No.: 141
Engineer: Yu Liu	
Site: AC5	Time: 2022/11/09 - 01:17
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Horizontal
EUT: BTWDB02	Power: DC 3.3V
Note: Mode 3: Transmit at 5785MHz by 11ac20	



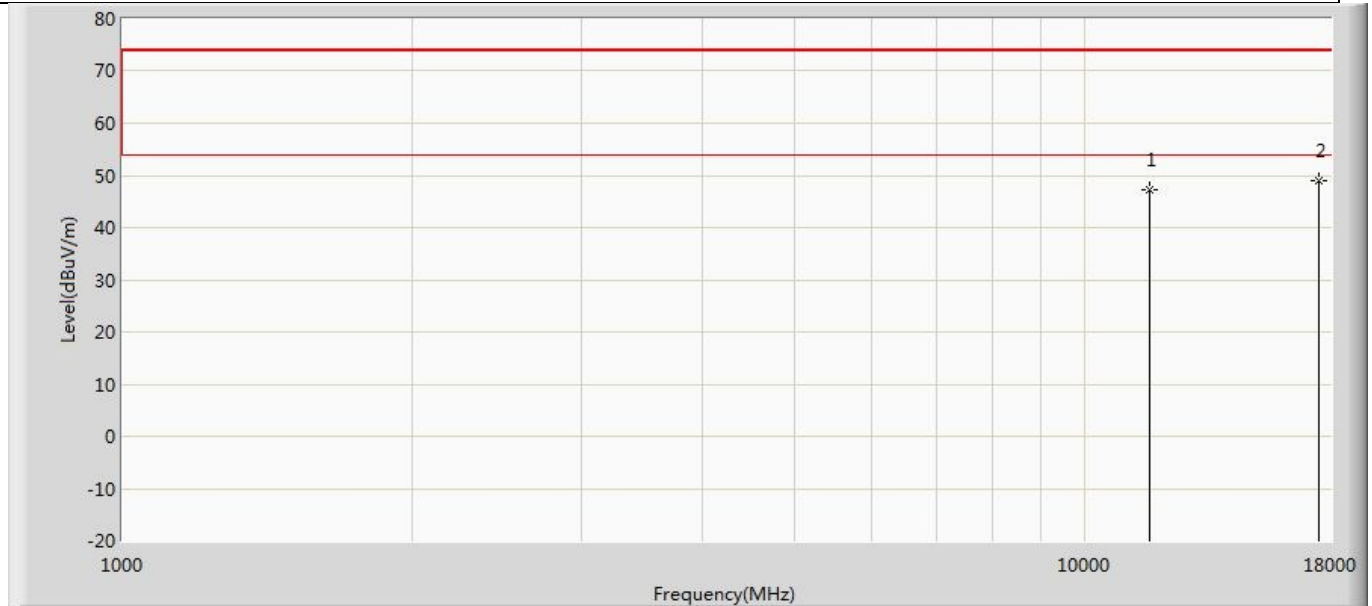
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11570.000	47.140	52.259	-26.860	74.000	-5.119	PK
2	*	17355.000	48.064	50.970	-25.936	74.000	-2.906	PK

Profile: 2290438R	Page No.: 142
Engineer: Yu Liu	
Site: AC5	Time: 2022/11/09 - 01:17
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Vertical
EUT: BTWDB02	Power: DC 3.3V
Note: Mode 3: Transmit at 5785MHz by 11ac20	



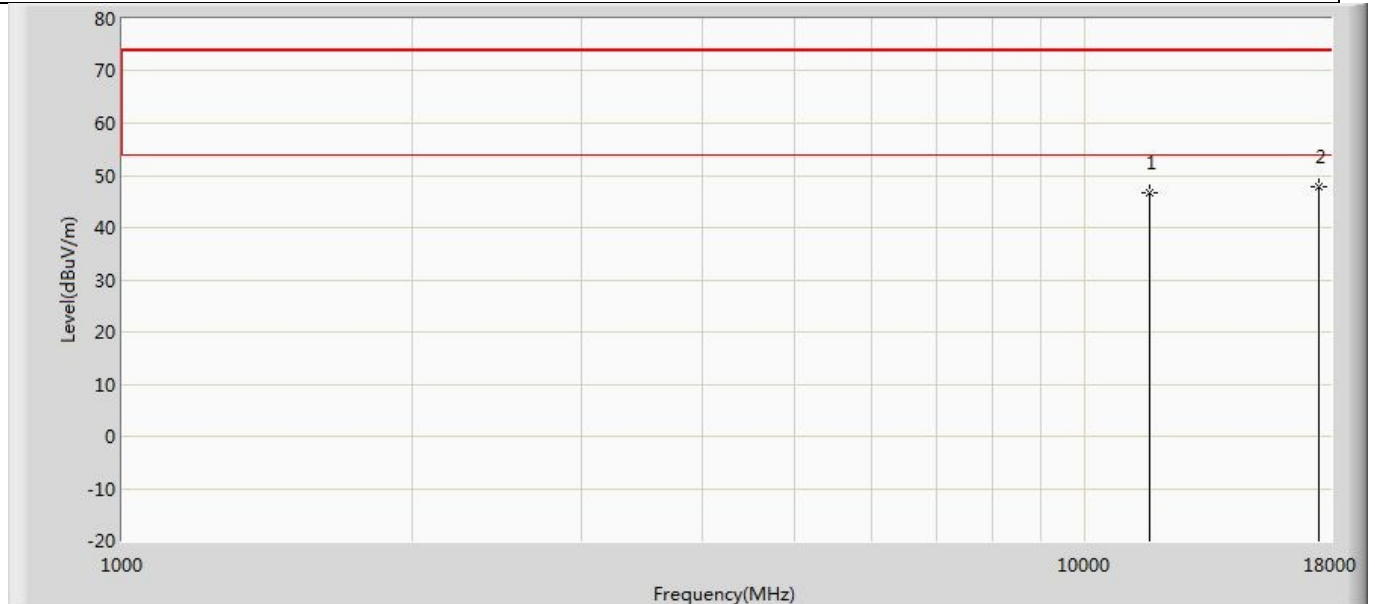
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11570.000	46.869	51.988	-27.131	74.000	-5.119	PK
2	*	17355.000	48.634	51.243	-25.366	74.000	-2.609	PK

Profile: 2290438R	Page No.: 143
Engineer: Yu Liu	
Site: AC5	Time: 2022/11/09 - 01:17
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Horizontal
EUT: BTWDB02	Power: DC 3.3V
Note: Mode 3: Transmit at 5825MHz by 11ac20	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11650.000	47.116	52.354	-26.884	74.000	-5.238	PK
2	*	17475.000	49.072	52.210	-24.928	74.000	-3.139	PK

Profile: 2290438R	Page No.: 144
Engineer: Yu Liu	
Site: AC5	Time: 2022/11/09 - 01:18
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Vertical
EUT: BTWDB02	Power: DC 3.3V
Note: Mode 3: Transmit at 5825MHz by 11ac20	



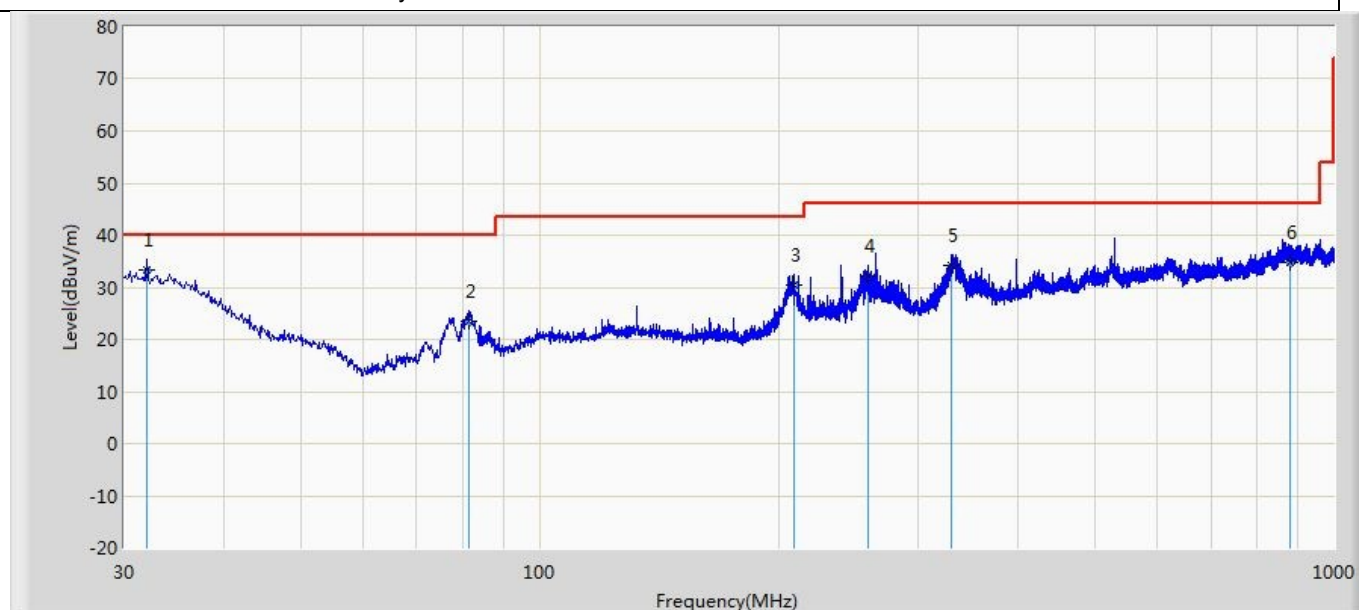
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11650.000	46.550	51.788	-27.450	74.000	-5.238	PK
2	*	17475.000	47.941	51.079	-26.059	74.000	-3.139	PK

Note:

1. Measured Level = Reading Level + Factor.
2. The test frequency range, 9kHz~30MHz, the worst case are at least 20dB below the limits, therefore no data appear in the report.
3. This limit applies for both peak and average detector, if the test result on peak is lower than average limit, then average measurement needn't be performed.
4. The points in graph are the highest data in test frequency range.

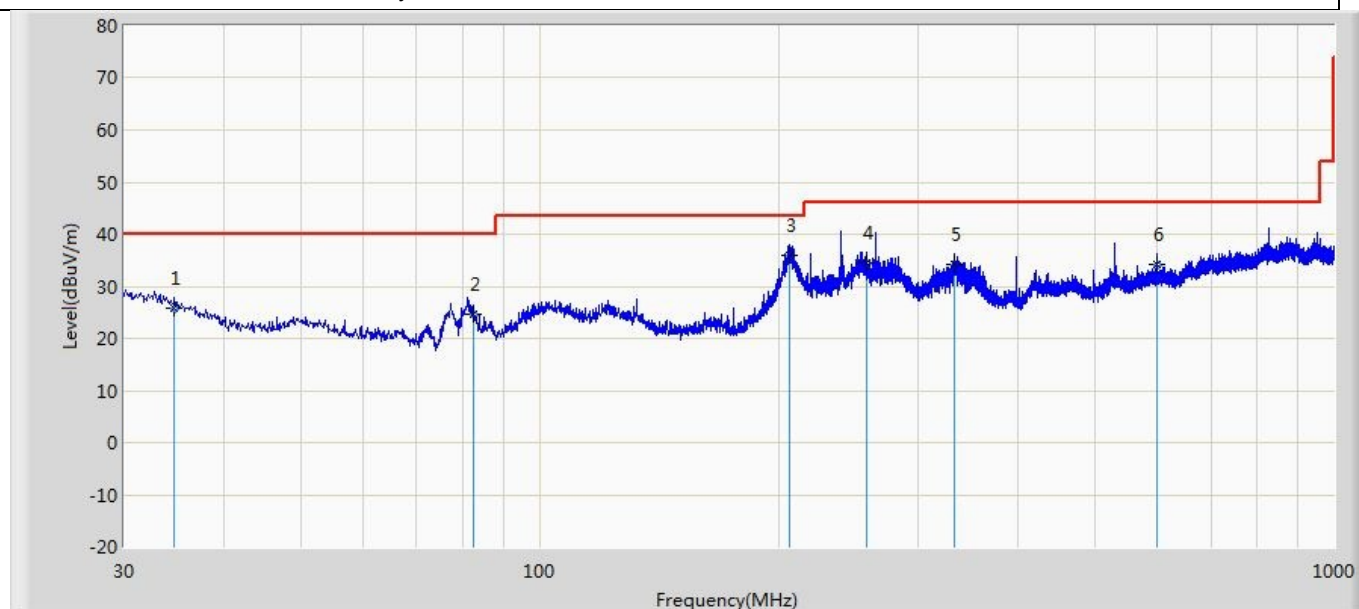
The worst case of Radiated Emission below 1GHz:

Profile: 2290438R	Page No.: 24
Engineer: Yu Liu	
Site: AC3	Time: 2022/11/14 - 20:52
Limit: FCC_Part15.109_RE(3m)_ClassB	Margin: 0
Probe: AC3_3M(30-1000M)	Polarity: Horizontal
EUT: BTWDB02	Power: DC 3.3V
Note: Mode 1: Transmit at 5180MHz by 11a	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	32.061	33.333	6.239	-6.667	40.000	27.095	QP
2		81.410	23.394	9.697	-16.606	40.000	13.697	QP
3		209.086	30.522	13.463	-12.978	43.500	17.059	QP
4		259.248	32.100	13.187	-13.900	46.000	18.913	QP
5		329.336	34.189	11.449	-11.811	46.000	22.740	QP
6		879.235	34.900	2.386	-11.100	46.000	32.514	QP

Profile: 2290438R	Page No.: 25
Engineer: Yu Liu	
Site: AC3	Time: 2022/11/14 - 20:57
Limit: FCC_Part15.109_RE(3m)_ClassB	Margin: 0
Probe: AC3_3M(30-1000M)	Polarity: Vertical
EUT: BTWDB02	Power: DC 3.3V
Note: Mode 1: Transmit at 5180MHz by 11a	



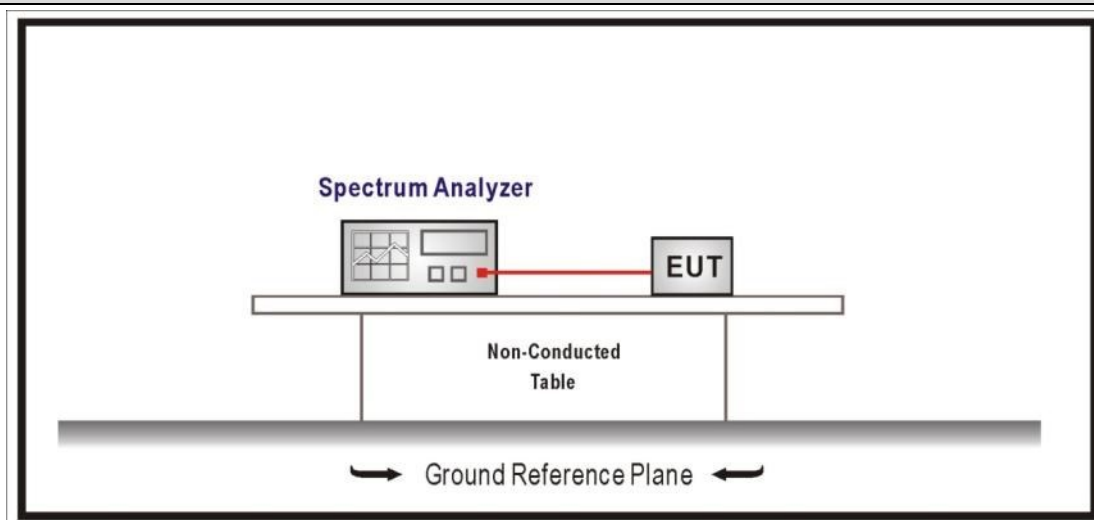
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		34.729	25.713	3.024	-14.287	40.000	22.689	QP
2		82.501	24.515	8.848	-15.485	40.000	15.667	QP
3	*	206.298	35.834	12.408	-7.666	43.500	23.426	QP
4		257.586	34.438	10.692	-11.562	46.000	23.746	QP
5		332.761	34.265	11.319	-11.735	46.000	22.946	QP
6		599.511	34.197	6.526	-11.803	46.000	27.671	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).

4.3 Emission bandwidth**VERDICT: PASS****4.3.1 Limit**

Standard	FCC CFR Title 47 Part 15 Subpart E: Section 15.407
N/A	

4.3.2 Test Setup**4.3.3 Test Procedure**

References Rule		Chapter	Description
☒	FCC KDB 789033 D02v02r01	C	Bandwidth Measurement
☒	FCC KDB 789033 D02v02r01	C.1	Emission Bandwidth (26dB)
☐	FCC KDB 789033 D02v02r01	C.2	Minimum Emission Bandwidth for the band 5.725-5.85 GHz (6dB)
☐	FCC KDB 789033 D02v02r01	D	99 Percent Occupied Bandwidth

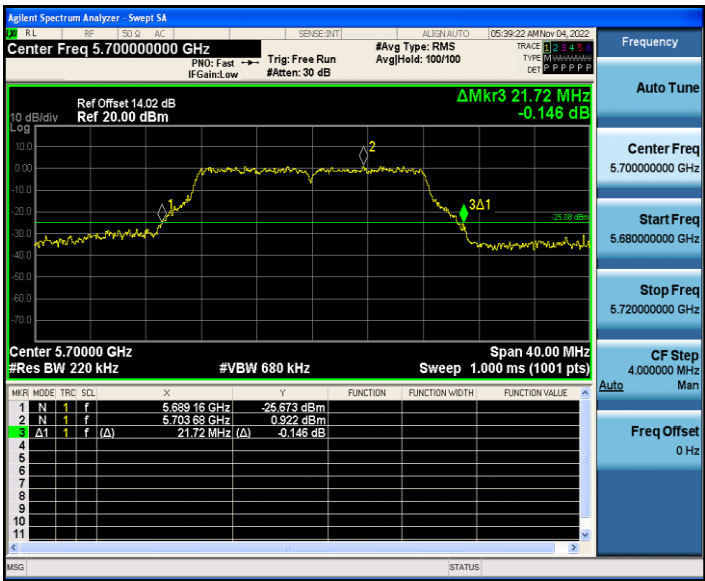
4.3.4 Test Data

Mode	CH.	Test Freq. (MHz)	26dB Emission Bandwidth (MHz)	Limit (kHz)	Result
1	36	5180	21.160	N/A	Pass
	44	5220	21.320	N/A	Pass
	48	5240	21.080	N/A	Pass
	52	5260	21.200	N/A	Pass
	60	5300	21.080	N/A	Pass
	64	5320	21.080	N/A	Pass
	100	5500	21.360	N/A	Pass
	116	5580	21.600	N/A	Pass
	140	5700	21.720	N/A	Pass
2	36	5180	21.320	N/A	Pass
	44	5220	21.440	N/A	Pass
	48	5240	21.360	N/A	Pass
	52	5260	21.480	N/A	Pass
	60	5300	21.560	N/A	Pass
	64	5320	21.520	N/A	Pass
	100	5500	21.400	N/A	Pass
	116	5580	21.520	N/A	Pass
	140	5700	21.720	N/A	Pass
3	36	5180	21.280	N/A	Pass
	44	5220	21.680	N/A	Pass
	48	5240	21.320	N/A	Pass
	52	5260	21.520	N/A	Pass
	60	5300	21.320	N/A	Pass
	64	5320	21.240	N/A	Pass
	100	5500	21.320	N/A	Pass
	116	5580	21.440	N/A	Pass
	140	5700	21.520	N/A	Pass

Note 1 : The worst case of Emission Bandwidth as below:

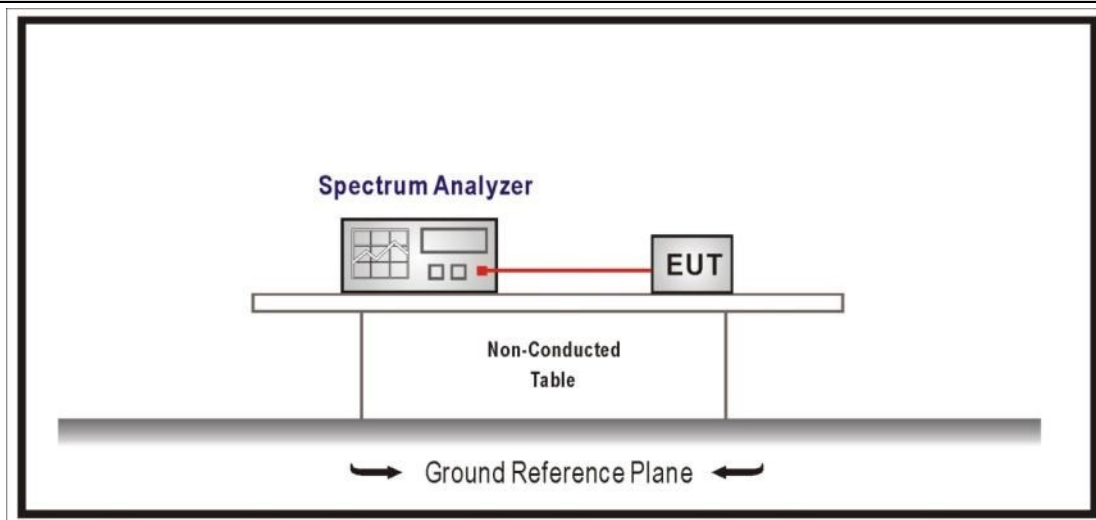
Note 2: We have evaluated each operating mode, shown in the report is the worst data.

Mode 1 CH140 (5700MHz)



4.4 6dB bandwidth**VERDICT: PASS****4.4.1 Limit****Standard**

FCC CFR Title 47 Part 15 Subpart E: Section 15.407(e)

6dB Bandwidth $\geq 500\text{KHz}$ **4.4.2 Test Setup****4.4.3 Test Procedure**

References Rule		Chapter	Description
☒	FCC KDB 789033 D02v02r01	C	Bandwidth Measurement
☐	FCC KDB 789033 D02v02r01	C.1	Emission Bandwidth (26dB)
☒	FCC KDB 789033 D02v02r01	C.2	Minimum Emission Bandwidth for the band 5.725-5.85 GHz (6dB)
☐	FCC KDB 789033 D02v02r01	D	99 Percent Occupied Bandwidth

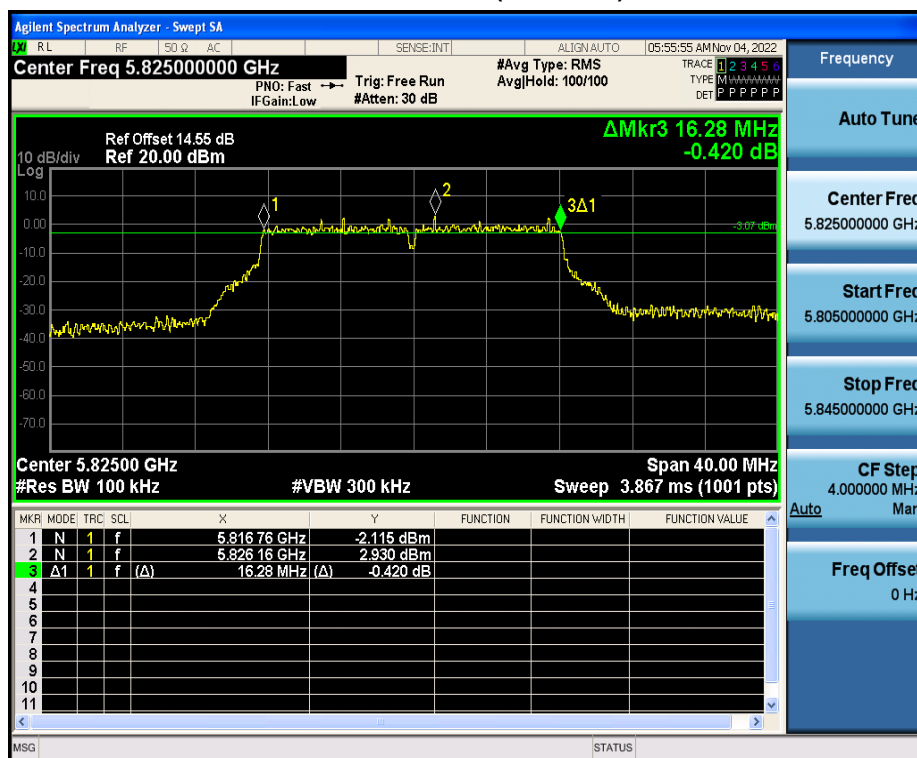
4.4.4 Test Data

Mode	CH.	Test Freq. (MHz)	6dB Occupied Bandwidth (MHz)	Limit (kHz)	Result
1	149	5745	16.320	>500	Pass
	157	5785	16.360	>500	Pass
	165	5825	16.280	>500	Pass
2	149	5745	17.560	>500	Pass
	157	5785	17.560	>500	Pass
	165	5825	17.320	>500	Pass
3	149	5745	17.600	>500	Pass
	157	5785	17.560	>500	Pass
	165	5825	17.520	>500	Pass

Note 1 : The worst case of Occupied Bandwidth as below:

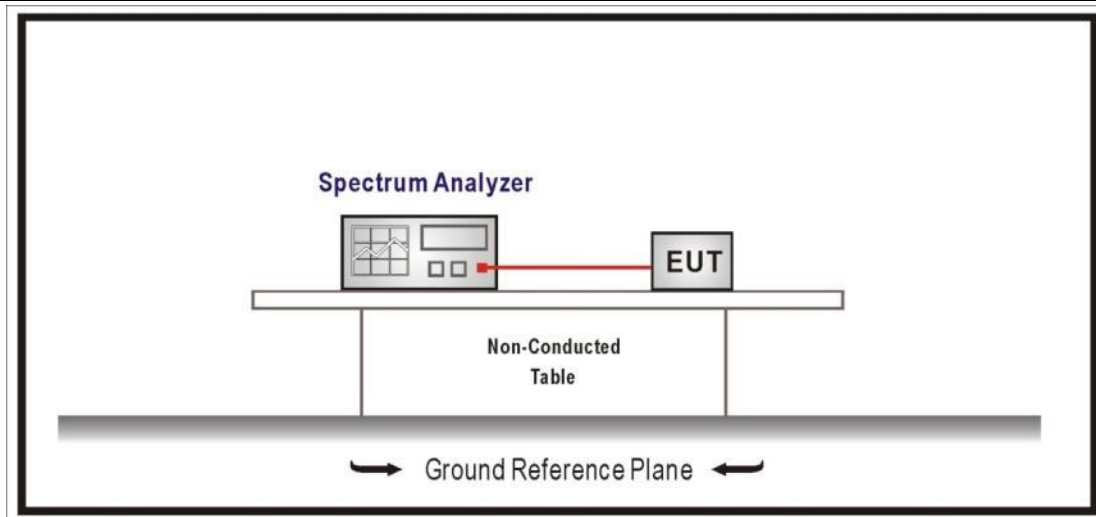
Note 2: We have evaluated each operating mode, shown in the report is the worst data.

Mode 1 CH165(5825MHz)



4.5 Duty cycle**VERDICT: PASS****4.5.1 Limit**

N/A

4.5.2 Test Setup**4.5.3 Test Procedure**

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