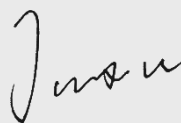
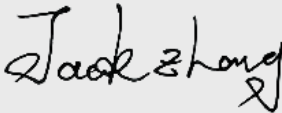


Test report No:
2310083R-RF-US-P06V01

FCC & ISED TEST REPORT

Product Name	VR All-In-One Headset
Trademark	
Model and /or type reference	A7Q10
FCC ID	2A5NV-A7Q10
IC	28409-A7Q10
Applicant's name / address	Qingdao Chuangjian Weilai Technology Co., Ltd Room 401, 4th Floor, Building 3, Qingdao Research Institute, 393 Songling Road, Laoshan District, Qingdao City, Shandong Province, P.R.China
Test method requested, standard	CFR 47, FCC Part 15 C ANSI C63.10:2013 RSS-Gen/ RSS-247
Verdict Summary	IN COMPLIANCE
Documented by (name / position & signature)	Jun Xu/ Project Engineer 
Approved by (name / position & signature)	Jack Zhang/ Manager 
Date of issue	2023-04-21
Report Version	V1.2
Report template No	Template_FCC Part 15C-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)	Jan. 04, 2023
Date (start test)	Jan. 11, 2023
Date (finish test)	Feb. 25, 2023

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
2310083R-RF-US-P06V01	V1.0	Initial issue of report.	2023-03-29
2310083R-RF-US-P06V01	V1.1	Page9 Modified radiated emission uncertainty. Page10 add Type of Modulation.	2023-04-10
2310083R-RF-US-P06V01	V1.2	Page6 modified the second article of remarks and comments, and Page12 modified the Note.	2023-04-21

REMARKS AND COMMENTS

1. The equipment under test (EUT) does meet the essential requirements of the stated standard(s)/test(s).
2. This report is based on the FCC ID: 2A5NV-A7H10 IC: 28409-A7H10 EUT, the new sample which is removed the BLE chip and replace the non-RF circuit materials with equivalents. We have evaluated output power and RSE which compliance with CFR 47, FCC Part 15 C,ANSI C63.10:2013,RSS-Gen/ RSS-247. For other test data, please refer to FCC ID: 2A5NV-A7H10 IC: 28409-A7H10 EUT.
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 1.3 802.11ax RU configurations.
 - Chapter 1.4 Data Rate;
 - Chapter 1.5 Channel List.

USED EQUIPMENT

Conducted Test / TR8

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Wireless Connectivity Tester	R&S	CMW 270	102593	2022.05.21	2023.05.20
Coaxial Cable	N/A	N/A	2187	2022.06.09	2023.06.08
High and low temperature and fast temperature change test box	ASTUOD	ASTD-FBT-225K	N/A	2022.08.24	2023.08.23
Temperature/Humidity Meter	RTS	RTS-8S	RF08	2022.07.07	2023.07.06
Test system					
4TX MIMO Power Sensor	Keysight	X8750A	MY59400102	2022.03.16	2023.03.15
MAX Signal Analyzer	Keysight	N9020B	MY59050482	2022.09.17	2023.09.16
Switch Box	Keysight	X8749A	N/A	N/A	N/A
High and low temperature and fast temperature change test box	ASTUOD	ASTD-FBT-225K	N/A	2022.08.24	2023.08.23
MXG-B RF Vector Signal Generator	Keysight	N5182B	MY61252529	2022.07.14	2023.07.13
Frequency extender for EXG or MXG	Keysight	N5182BX07	MY59362500	2022.07.14	2023.07.13
EXG-B MW Analog Signal Generator	Keysight	N5173B	MY61252566	2022.09.28	2023.09.27

Radiated Emission(30MHz-1GHz) / AC3

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
EMI Test Receiver	R&S	ESCI	100573	2022.07.10	2023.07.09
Bilog Antenna	Teseq GmbH	CBL6112D	27611	2022.08.28	2023.08.27
Coaxial Cable	Huber+Suhner	RG 214	AC2-C	2022.03.30	2023.03.29
Temperature/Humidity Meter	RTS	RTS-8S	AC2-TH	2022.07.07	2023.07.06

Radiated Emission (1GHz-40GHz) / AC5

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
MXA Signal Analyzer	Keysight	N9020B	MY60112218	2022.12.08	2023.12.07
Preamplifier	Chengyi	EMC184045SE	980263	2022.07.19	2023.07.18
Preamplifier	SKET	LNPA_0118G-45	SK2021041201	2022.04.15	2023.04.14
DRG Horn	ETS-Lindgren	3117	00123988	2022.08.29	2023.08.28
Broad-Band Horn Antenna	SCHWARZBECK	BBHA 9170	01249	2022.09.22	2023.09.21
Coaxial Cable	Huber+Suhner	SUCOFLEX 106	AC5-C2	2022.03.30	2023.03.29
Coaxial Cable	ROSENBERGER	LA1-C011-2000/3000	AC5-40G	2022.03.21	2023.03.20
High-Pass Filter	Wainwright	WHKX3.0/18G-12SS	81	2022.06.07	2023.06.06

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
Peak Power Output	± 1.27 dB
Radiated Emission(30MHz~1GHz)	Horizontal: 30MHz~200MHz: 3.50 dB 300MHz~1GHz: 3.60 dB Vertical: 30MHz~200MHz: 3.60 dB 300MHz~1GHz: 3.50 dB
Radiated Emission(1GHz~26.5GHz)	Horizontal: 1GHz~18GHz: 5.00 dB Vertical: 1GHz~18GHz: 4.80 dB Horizontal: 18GHz~26.5GHz: 5.20 dB Vertical: 18GHz~26.5GHz: 4.90 dB

1 GENERAL INFORMATION

1.1 General Description of the Item(s)

Product Name	VR All-In-One Headset
Model No.	A7Q10
Trademark	
FCC ID	2A5NV-A7Q10
IC	28409-A7Q10
Hardware Version	R2
Software Version	198
Manufacturer	Qingdao Chuangjian Weilai Technology Co., Ltd
Manufacturer address	Room 401, 4th Floor, Building 3, Qingdao Research Institute, 393 Songling Road, Laoshan District, Qingdao City, Shandong Province, P.R.China

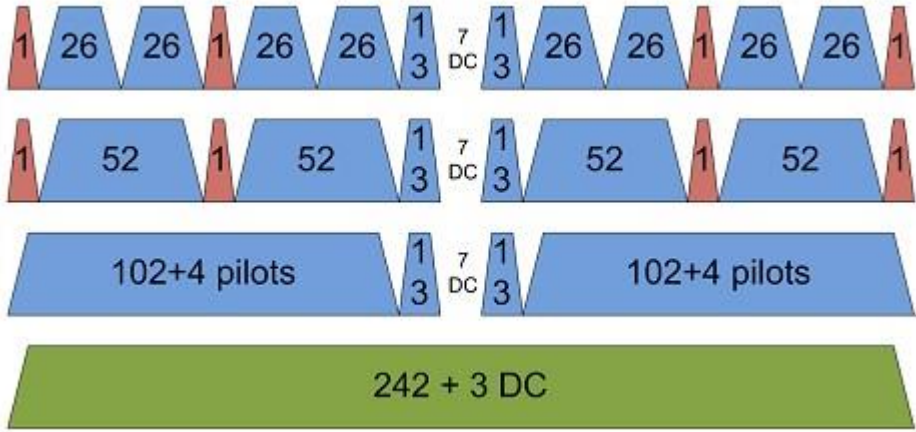
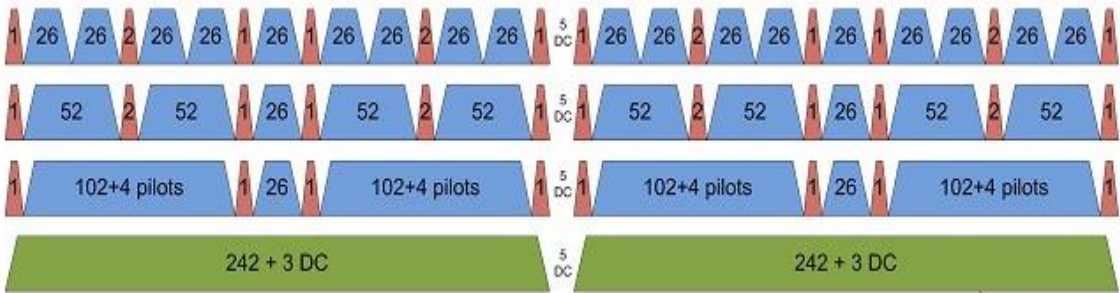
Wireless specification	802.11b/g/n/ax
Operating frequency range(s)	802.11b/g/n/ax(20MHz): 2412~2462MHz 802.11n/ax(40MHz): 2422~2452MHz
Type of Modulation	802.11b: DSSS-DBPSK, DQPSK, CCK 802.11g/n/ax: OFDM-BPSK, QPSK, 16QAM, 64QAM, 1024QAM, OFDMA
Number of channels	802.11b/g/n/ax(20MHz): 11 802.11n/ax(40MHz): 7

Rated power supply	Voltage and Frequency	
	☐	AC: 220 - 240 V, 50/60 Hz
	☐	AC: 100 - 240 V, 50/60 Hz
	☒	HMD: 5.0VDC 3.0A / 9.0VDC 3A
	☒	Battery: 3.85V
Adapter model (optional)	☒	Adapter:
	Model: A138A-120150U-US3; A860-120150-U-US1	
	Input: 100-240V~50/60Hz, 0.5A Output: 5V 3A/9V 2A/12V 1.5A	
Mounting position	☐	Tabletop equipment
	☐	Wall/Ceiling mounted equipment
	☐	Floor standing equipment
	☒	Head-mounted equipment
	☐	Other:

1.2 Antenna Information

Antenna model / type number	N/A			
Antenna serial number	N/A			
Antenna Delivery	☒	1TX + 1RX		
	☒	2TX + 2RX		
	☐	Others:.....		
Antenna technology	☒	SISO		
	☒	MIMO	☒	CDD
			☐	Beam-forming
Antenna Type	☐	External	☐	Dipole
			☐	Sectorized
	☒	Internal	☐	Ceramic Chip
			☐	PIFA
			☒	FPC
			☐	Others.....
SISO Antenna Gain.....	WIFI1:5.12dBi WIFI2:3.80dBi			
CDD directional gain	5.12dBi for Power 8.12dBi for PSD			

1.3 802.11ax RU configurations:

Bandwidth	RU all configurations
20MHz	 The diagram for 20MHz shows four rows of resource units. The first row consists of 10 trapezoidal blocks, each labeled '26', separated by 1-unit gaps, with a '1' at each end. The second row consists of 4 blocks labeled '52', separated by 1-unit gaps, with a '1' at each end. The third row consists of 2 blocks labeled '102+4 pilots', separated by 1-unit gaps, with a '1' at each end. The fourth row is a single green block labeled '242 + 3 DC'. A '7 DC' label is positioned between the first and second rows.
40MHz	 The diagram for 40MHz shows four rows of resource units. The first row consists of 20 trapezoidal blocks, each labeled '26', separated by 1-unit gaps, with a '1' at each end. The second row consists of 8 blocks labeled '52', separated by 1-unit gaps, with a '1' at each end. The third row consists of 4 blocks labeled '102+4 pilots', separated by 1-unit gaps, with a '1' at each end. The fourth row consists of two green blocks, each labeled '242 + 3 DC', separated by a '5 DC' gap. A '5 DC' label is positioned between the third and fourth rows.

Note: For partial RU test data, please refer to FCC ID: 2A5NV-A7H10 IC: 28409-A7H10.

1.4 Data Rate

IEEE 802.11b

Modulation	Data Rate(Mb/s)
DSSS	1
DSSS	2
CCK	5.5
CCK	11

Table 1 –TX Antenna number = 2

IEEE 802.11g

Modulation	Coding rate	Data Rate(Mb/s)
BPSK	1/2	6
BPSK	3/4	9
QPSK	1/2	12
QPSK	3/4	18
16-QAM	1/2	24
16-QAM	3/4	36
64-QAM	2/3	48
64-QAM	3/4	54

Table 1 – MCS parameters for TX Antenna number = 2

IEEE 802.11n

Spatial streames	MCS Index	Modulation	Coding rate	Data Rate(Mb/s)			
				20MHz		40MHz	
				800ns GI	400ns GI	800ns GI	400ns GI
1	0	BPSK	1/2	6.5	7.2	13.5	15.0
1	1	QPSK	1/2	13.0	14.4	27.0	30.0
1	2	QPSK	3/4	19.5	21.7	40.5	45.0
1	3	16-QAM	1/2	26.0	28.9	54.0	60.0
1	4	16-QAM	3/4	39.0	43.3	81.0	90.0
1	5	64-QAM	2/3	52.0	57.8	108.0	120.0
1	6	64-QAM	3/4	58.5	65.0	121.5	135.0
1	7	64-QAM	5/6	65.0	72.2	135.0	150.0
2	8	BPSK	1/2	13.0	14.4	27.0	30.0
2	9	QPSK	1/2	26.0	28.9	54.0	60.0
2	10	QPSK	3/4	39.0	43.3	81.0	90.0
2	11	16-QAM	1/2	52.0	57.8	108.0	120.0
2	12	16-QAM	3/4	78.0	86.7	162.0	180.0
2	13	64-QAM	2/3	104.0	115.6	216.0	240.0
2	14	64-QAM	3/4	117.0	130.0	243.0	270.0
2	15	64-QAM	5/6	130.0	144.0	270.0	300.0

Note 1: Support of 400ns GI is optional on transmit and receive.

Table 1 – MCS parameters for TX Antenna number = 2

IEEE 802.11ax

Spatial Streams (Note1)	MCS Index	Modulation type	Coding rate	Data Rate(Mb/s)			
				20MHz		40MHz	
				Guard Interval		Guard Interval	
				1600ns	800ns	1600ns	800ns
1	0	BPSK	1/2	4	4	8	9
	1	QPSK	1/2	16	17	33	34
	2	QPSK	3/4	24	26	49	52
	3	16-QAM	1/2	33	34	65	69
	4	16-QAM	3/4	49	52	98	103
	5	64-QAM	2/3	65	69	130	138
	6	64-QAM	3/4	73	77	146	155
	7	64-QAM	5/6	81	86	163	172
	8	256-QAM	3/4	98	103	195	207
	9	256-QAM	5/6	108	115	217	229
	10	1024-QAM	3/4	122	129	244	258
	11	1024-QAM	5/6	135	143	271	287
2	12	BPSK	1/2	8	8	16	18
	13	QPSK	1/2	32	34	66	68
	14	QPSK	3/4	48	52	98	104
	15	16-QAM	1/2	66	68	130	138
	16	16-QAM	3/4	98	104	196	206
	17	64-QAM	2/3	130	138	260	276
	18	64-QAM	3/4	146	154	292	310
	19	64-QAM	5/6	162	172	326	344
	20	256-QAM	3/4	196	206	390	414
	21	256-QAM	5/6	216	230	434	458
	22	1024-QAM	3/4	244	258	488	516
	23	1024-QAM	5/6	270	286	542	574

Note 1: The EUT supports all data rate above. The blue form is the maximum power data rate.

Note 2: The EUT has 2 spatial Streams

Symbol	Explanation
R	Code rate
GI	guard interval

1.5 Channel List

IEEE 802.11b/g & IEEE 802.11n/ax(20MHz)

Working Frequency of Each Channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
001	2412 MHz	002	2417 MHz	003	2422 MHz	004	2427 MHz
005	2432 MHz	006	2437 MHz	007	2442 MHz	008	2447 MHz
009	2452 MHz	010	2457 MHz	011	2462 MHz	N/A	N/A

IEEE 802.11n/ax(40MHz)

Working Frequency of Each Channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
003	2422 MHz	004	2427 MHz	005	2432 MHz	006	2437 MHz
007	2442 MHz	008	2447 MHz	009	2452 MHz	N/A	N/A

Note: The general description of the Item(s), antenna information, 802.11ax RU configurations, data rate and channel list in clause 1 are provided and confirmed by the client.

2 DESCRIPTION OF TEST SETUP

2.1 Operating mode(s) used for tests

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

Test Mode For Bluetooth	Mode 1: Transmit by 802.11b
	Mode 2: Transmit by 802.11g
	Mode 3: Transmit by 802.11n(20MHz)
	Mode 4: Transmit by 802.11n(40MHz)
	Mode 5: Transmit by 802.11x(20MHz)
	Mode 6: Transmit by 802.11x(40MHz)

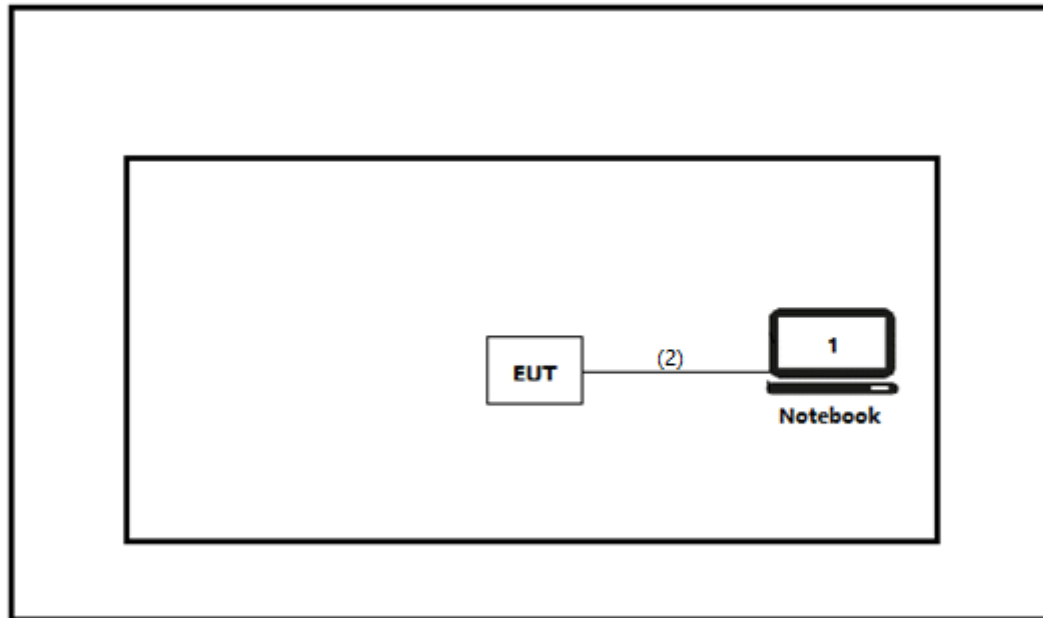
2.2 Auxiliary equipment / Test software for the EUT

Auxiliary equipment	Type / Version	Manufacturer	Supplied by
(1) Notebook	Think pad x220	Lenovo	Adapter
(2) USB Control Cable	N/A	N/A	N/A
(3) USB Control Cable	N/A	N/A	N/
software	Type / Version	Manufacturer	Supplied by
QRCT	V3.0	N/A	N/A

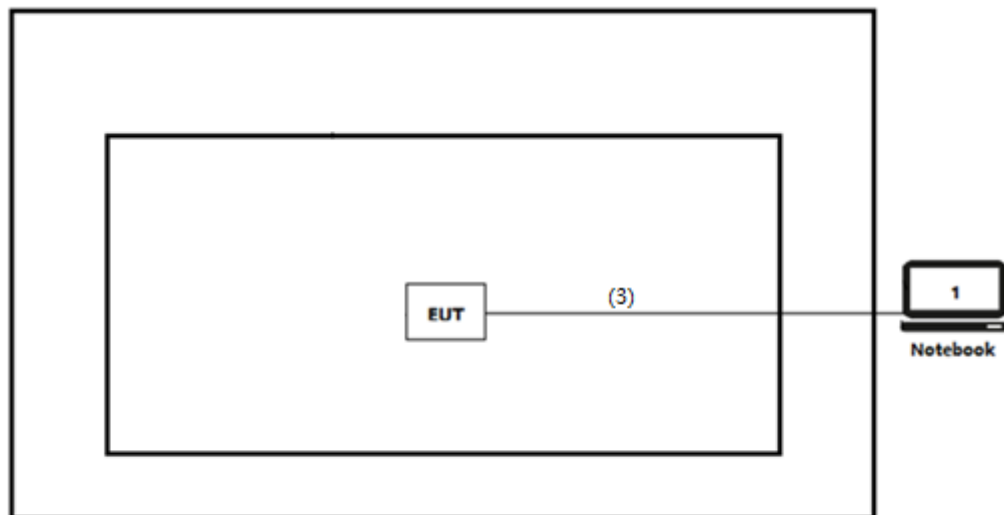
Accessories Information	Cable		
	Length used during test [m]	Attached during test	Shielded
(2)USB Control Cable	1	☒	☒
(3)USB Control Cable	8	☒	☒

2.3 Test Configuration / Block diagram used for tests

Test setup Diagram- Conducted test



Test setup Diagram- Radiated test



2.4 Testing process

1	Setup the EUT shown in Section 2.3.
2	Execute the [QRCT] 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
CFR 47, FCC Part 15 C	2023	Operation within the bands 902–928 MHz, 2400–2483.5 MHz, and 5725–5850 MHz.
ANSI C63.10	2013	American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices
RSS-Gen Issue 5 Amendment 1	2019	General Requirements for Compliance of Radio Apparatus
RSS-247 Issue 2	2017	Digital Transmission Systems (DTSS), Frequency Hopping Systems (FHSs) and Licence-Exempt Local Area Network (LE-LAN) Devices
KDB 662911	2020	Provision to Allow Measurement of Directional Gain of Multi-Antenna Systems for Compliance Verification

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 Item of FCC	Standard(s)	Verdict	Remark
Maximum conducted output power	15.247 (b)(3)	PASS	Test data please refer to Appendix A
Emissions in Restricted Bands	FCC 15.205 FCC 15.209	PASS	Test data please refer to Appendix B

Requirement – Test case of ISED	Standard(s)	Verdict	Remark
Maximum conducted output power	RSS-247 Issue 2 Paragraph 5.4(d)	PASS	Test data please refer to Appendix A
Emissions in Restricted Bands	RSS-Gen Issue 5 Paragraph 8.9	PASS	Test data please refer to Appendix B

3.4 Power setting in test

Mode	Channel	Frequency (MHz)	Power setting		
			SISO:ANT1	SISO:ANT2	CDD:ANT1+2
802.11b	01	2412	14	14	14
	06	2437	14	14	14
	11	2462	14	14	14
802.11g	01	2412	14	14	14
	06	2437	14	14	14
	11	2462	14	14	14
802.11n(20MHz)	01	2412	14	14	14
	06	2437	14	14	14
	11	2462	14	14	14
802.11n(40MHz)	03	2422	14	14	14
	06	2437	14	14	14
	09	2452	14	14	14
802.11ax(20MHz)	01	2412	14	14	14
	06	2437	14	14	14
	11	2462	14	14	14
802.11ax(40MHz)	03	2422	14	14	14
	06	2437	14	14	14
	09	2452	14	14	14

3.5 Test Matrix

Test item	A7Q10		
	1(#1)	2(#2)	3()
Maximum conducted output power	☒	☐	☐
Emissions in Restricted Bands	☐	☒	☐

3.6 Test Facility

USA	:	FCC Designation Number: CN1199
CA	:	ISED CAB identifier: CN0040

4 TEST ITEMS OF LIMIT/SETUP/PROCEDURE

4.1 Maximum Conducted Output Power

VERDICT: PASS

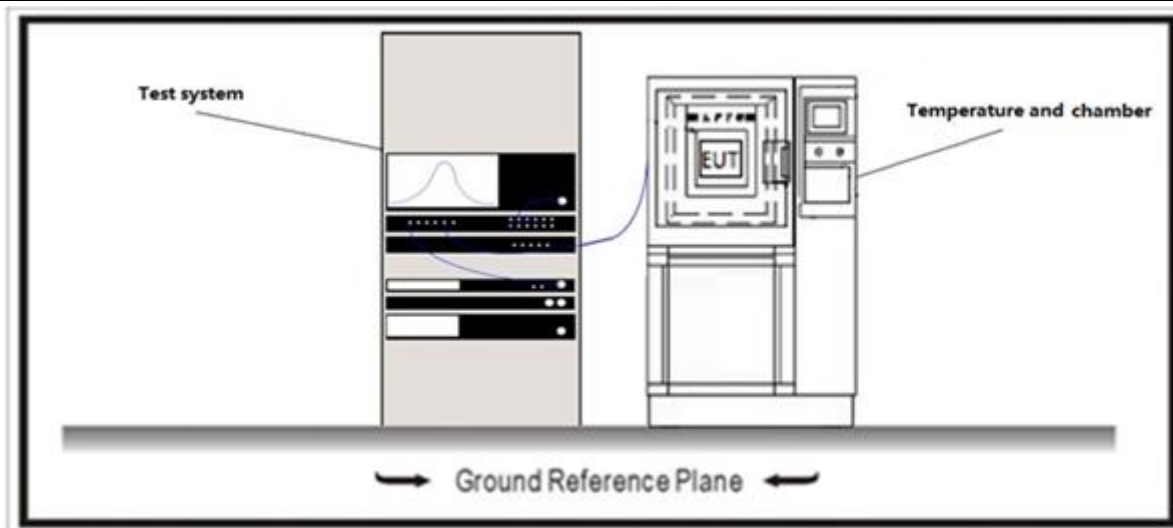
4.1.1 Limit

Standard		FCC Part 15 Subpart C Paragraph 15.247 (b)(3); RSS-247 Issue 2 Paragraph 5.4(d).
☒	GTX < 6dBi	Pout≤30dBm
☐	GTX > 6dBi	
☐	Non-Fix point-point	Pout≤30-(GTX -6)
☐	Fix point-point	Pout≤30-[(GTX-6)]/3
☐	Point-to-multipoint	Pout≤30-(GTX-6)
☐	Overlap Beams	Pout≤30-[(GTX-6)]/3
☐	Aggregate power transmitted simultaneously on all beams	Pout≤30-[(GTX-6)]/3
☐	single directional beam	Pout≤30-[(GTX-6)]/3+8dB

Note 1 : GTX directional gain of transmitting antennas.

Note 2 : Pout is maximum peak conducted output power .

4.1.2 Test Setup



4.1.3 Test Procedure

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

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

4.2 Emissions in Restricted Bands**VERDICT: PASS****4.2.1 Limit****Standard**

FCC Part 15 Subpart C Paragraph 15.205

Restricted Bands of operation

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

Standard

RSS-Gen Issue 5 Paragraph 8.10

Restricted Bands of operation for IC

0.090 - 0.110	13.36 - 13.41	960 - 1427	9.0 - 9.2
0.495 - 0.505	16.42 - 16.423	1435 - 1626.5	9.3 - 9.5
2.1735 - 2.1905	16.69475 - 16.69525	1645.5 - 1646.5	10.6 - 12.7
3.020 - 3.026	16.80425 - 16.80475	1660 - 1710	13.25 - 13.4
4.125 - 4.128	25.5 - 25.67	1718.8 - 1722.2	14.47 - 14.5
4.17725 - 4.17775	37.5 - 38.25	2200 - 2300	15.35 - 16.2
4.20725 - 4.20775	73 - 74.6	2310 - 2390	17.7 - 21.4
5.677 - 5.683	74.8 - 75.2	2483.5 - 2500	22.01 - 23.12
6.215 - 6.218	108 - 138	2655 - 2900	23.6 - 24.0
6.26775 - 6.26825	149.9 - 150.05	3260 - 3267	31.2 - 31.8
6.31175 - 6.31225	156.52475 - 156.52525	3332 - 3339	36.43 - 36.5
8.291 - 8.294	156.7 - 156.9	3345.8 - 3358	Above 38.6
8.362 - 8.366	162.0125 - 167.17	3500 - 4400	
8.37625 - 8.38675	167.72 - 173.2	4500 - 5150	
8.41425 - 8.41475	240 - 285	5350 - 5460	
12.29 - 12.293	322 - 335.4	7250 - 7750	
12.51975 - 12.52025	399.9 - 410	8025 - 8500	
12.57675 - 12.57725	608 - 614	--	

Restricted Band Emissions Limit

FCC Part 15 Subpart C Paragraph 15.209

Frequency (MHz)	Field strength ($\mu\text{V/m}$)	Field strength ($\text{dB}\mu\text{V/m}$)	Measurement distance (m)
0.009 - 0.49	$2400/F(\text{kHz})$	48.5 – 13.8	300 _(Note 1)
0.49 - 1.705	$24000/F(\text{kHz})$	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)

RSS-Gen Issue 5 Paragraph 8.9.

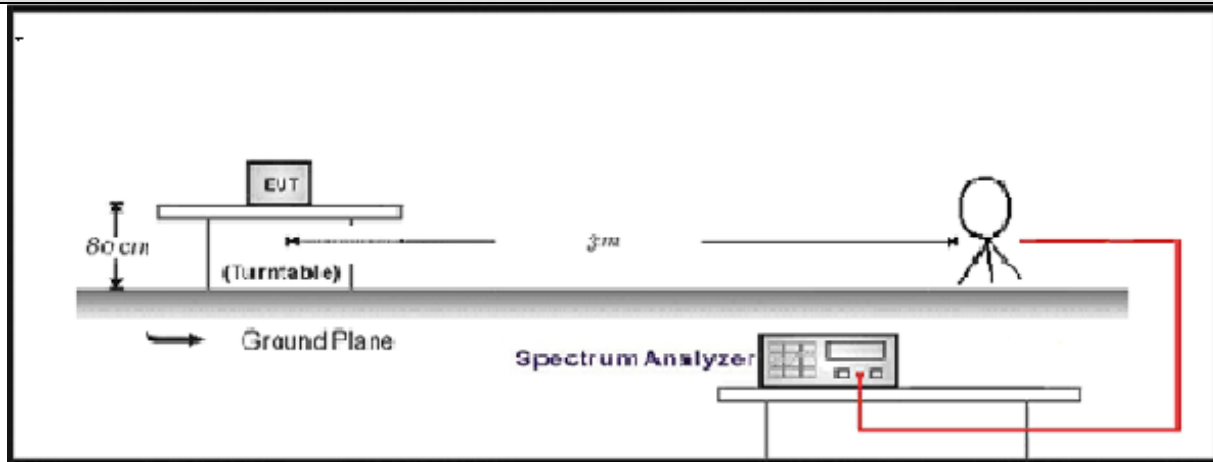
Frequency (MHz)	Field strength	Field strength ($\text{dB}\mu\text{V/m}$)	Measurement distance (m)
0.009 - 0.49	$6.37/F(\text{kHz}) \mu\text{A/m}$	48.5 – 13.8	300 _(Note 1)
0.49 - 1.705	$63.7/F(\text{kHz}) \mu\text{A/m}$	33.8 - 23	30 _(Note 1)
1.705 - 30	30 $\mu\text{V/m}$	29.5	30 _(Note 1)
30 - 88	100 $\mu\text{V/m}$	40	3 _(Note 2)
88 - 216	150 $\mu\text{V/m}$	43.5	3 _(Note 2)
216 - 960	200 $\mu\text{V/m}$	46	3 _(Note 2)
Above 960	500 $\mu\text{V/m}$	54	3 _(Note 2)

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

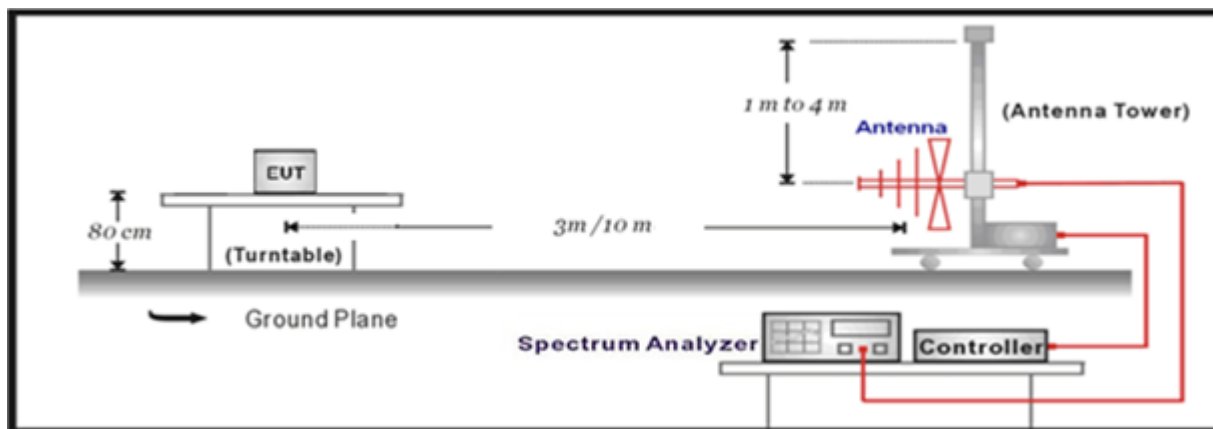
Note 2: At frequencies at or above 30 MHz, measurements may be performed at a distance other than what is specified provided: measurements are not made in the near field except where it can be shown that near field measurements are appropriate due to the characteristics of the device; and it can be demonstrated that the signal levels needed to be measured at the distance employed can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 meters unless it can be further demonstrated that measurements at a distance of 30 meters or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse linear-distance for field strength measurements; inverse-linear-distance-squared for power density measurements).

4.2.2 Test Setup

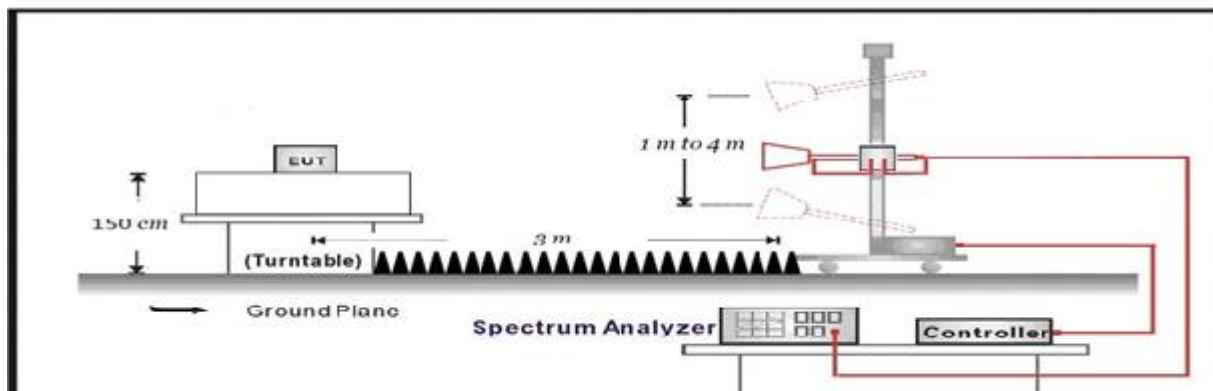
Below 30MHz Test Setup:



30MHz-1GHz Test Setup:



Above 1GHz Test Setup:



4.2.3 Test Procedure

	References Rule		Chapter	Description
☒	ANSI C63.10		11.12	Emissions in restricted frequency bands
	☒	ANSI C63.10	11.12.1	Radiated emission measurements
	☒	ANSI C63.10	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

4.3 Antenna Requirement**VERDICT: PASS****4.3.1 Limit:****Standard**FCC Part 15 Subpart C Paragraph 15.203;
RSS-Gen Issue 5 Paragraph 6.8.

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

4.3.2 Antenna Connector Construction:

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

5 TEST SETUP PHOTO AND EUT PHOTO

Remark: The test setup photo and EUT Photo please see appendix.

6 TEST RESULT

Appendix A: Maximum conducted output power

SISO Antenna1:							
Mode	Channel	Test Frequency (MHz)	Conducted Power (dBm)	EIRP (dBm)	Conducted Power Limit (dBm)	EIRP Limit (dBm)	Result
Mode 1	1	2412	14.75	19.87	≤30	≤36	Pass
	6	2437	14.93	20.05	≤30	≤36	Pass
	11	2462	14.87	19.99	≤30	≤36	Pass
Mode 2	1	2412	14.27	19.39	≤30	≤36	Pass
	6	2437	14.35	19.47	≤30	≤36	Pass
	11	2462	14.22	19.34	≤30	≤36	Pass
Mode 3	1	2412	14.45	19.57	≤30	≤36	Pass
	6	2437	14.35	19.47	≤30	≤36	Pass
	11	2462	14.39	19.51	≤30	≤36	Pass
Mode 4	3	2422	15.25	20.37	≤30	≤36	Pass
	6	2437	15.19	20.31	≤30	≤36	Pass
	9	2452	15.13	20.25	≤30	≤36	Pass
Mode 5	1	2412	14.41	19.53	≤30	≤36	Pass
	6	2437	14.32	19.44	≤30	≤36	Pass
	11	2462	14.31	19.43	≤30	≤36	Pass
Mode 6	3	2422	15.08	20.20	≤30	≤36	Pass
	6	2437	15.11	20.23	≤30	≤36	Pass
	9	2452	15.08	20.20	≤30	≤36	Pass

SISO Antenna2:

Mode	Channel	Test Frequency (MHz)	Conducted Power (dBm)	EIRP (dBm)	Conducted Power Limit (dBm)	EIRP Limit (dBm)	Result
Mode 1	1	2412	14.68	18.48	≤30	≤36	Pass
	6	2437	14.96	18.76	≤30	≤36	Pass
	11	2462	14.81	18.61	≤30	≤36	Pass
Mode 2	1	2412	13.96	17.76	≤30	≤36	Pass
	6	2437	13.92	17.72	≤30	≤36	Pass
	11	2462	13.93	17.73	≤30	≤36	Pass
Mode 3	1	2412	14.33	18.13	≤30	≤36	Pass
	6	2437	14.47	18.27	≤30	≤36	Pass
	11	2462	14.42	18.22	≤30	≤36	Pass
Mode 4	3	2422	15.18	18.98	≤30	≤36	Pass
	6	2437	15.22	19.02	≤30	≤36	Pass
	9	2452	15.14	18.94	≤30	≤36	Pass
Mode 5	1	2412	14.47	18.27	≤30	≤36	Pass
	6	2437	14.45	18.25	≤30	≤36	Pass
	11	2462	14.37	18.17	≤30	≤36	Pass
Mode 6	3	2422	15.17	18.97	≤30	≤36	Pass
	6	2437	15.15	18.95	≤30	≤36	Pass
	9	2452	15.12	18.92	≤30	≤36	Pass

MIMO Antenna1+2:

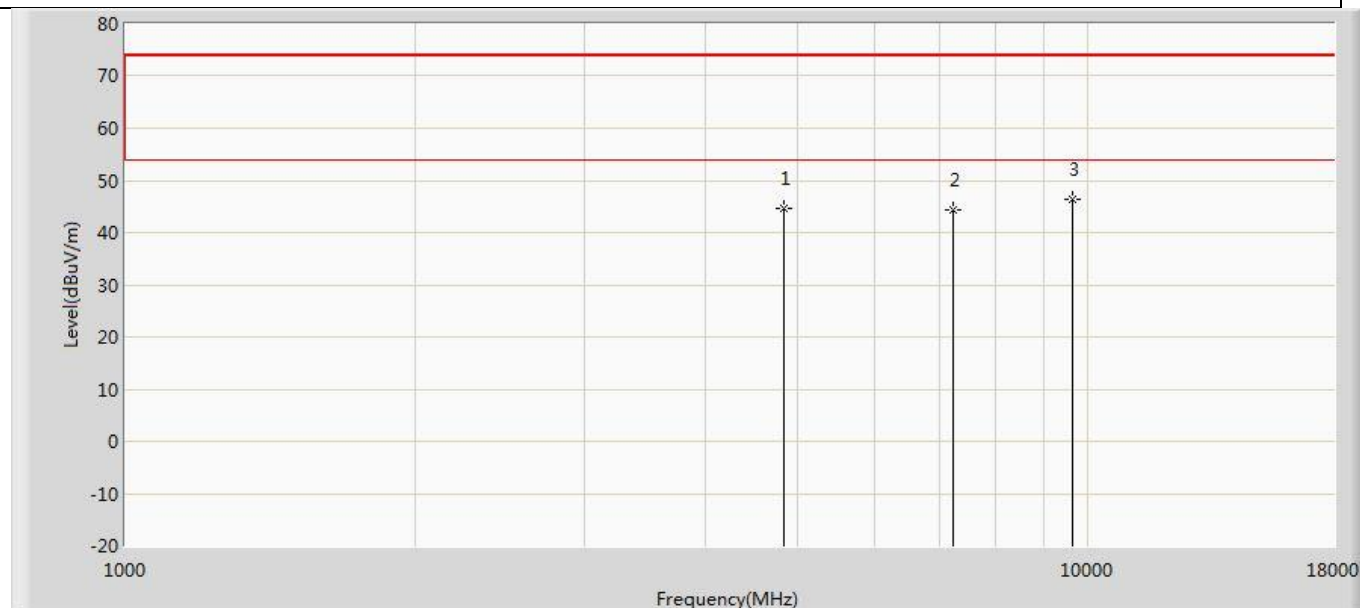
Mode	Channel	Test Frequency (MHz)	Conducted Power (dBm)	EIRP (dBm)	Conducted Power Limit (dBm)	EIRP Limit (dBm)	Result
Mode 1	1	2412	17.49	22.61	≤30	≤36	Pass
	6	2437	16.86	21.98	≤30	≤36	Pass
	11	2462	16.84	21.96	≤30	≤36	Pass
Mode 2	1	2412	16.93	22.05	≤30	≤36	Pass
	6	2437	16.86	21.98	≤30	≤36	Pass
	11	2462	16.87	21.99	≤30	≤36	Pass
Mode 3	1	2412	17.47	22.59	≤30	≤36	Pass
	6	2437	17.53	22.65	≤30	≤36	Pass
	11	2462	17.50	22.62	≤30	≤36	Pass
Mode 4	3	2422	18.21	23.33	≤30	≤36	Pass
	6	2437	18.14	23.26	≤30	≤36	Pass
	9	2452	18.19	23.31	≤30	≤36	Pass
Mode 5	1	2412	17.46	22.58	≤30	≤36	Pass
	6	2437	17.40	22.52	≤30	≤36	Pass
	11	2462	17.39	22.51	≤30	≤36	Pass
Mode 6	3	2422	18.16	23.28	≤30	≤36	Pass
	6	2437	18.15	23.27	≤30	≤36	Pass
	9	2452	18.14	23.26	≤30	≤36	Pass

Appendix B: Emissions in Restricted Bands

Test Result

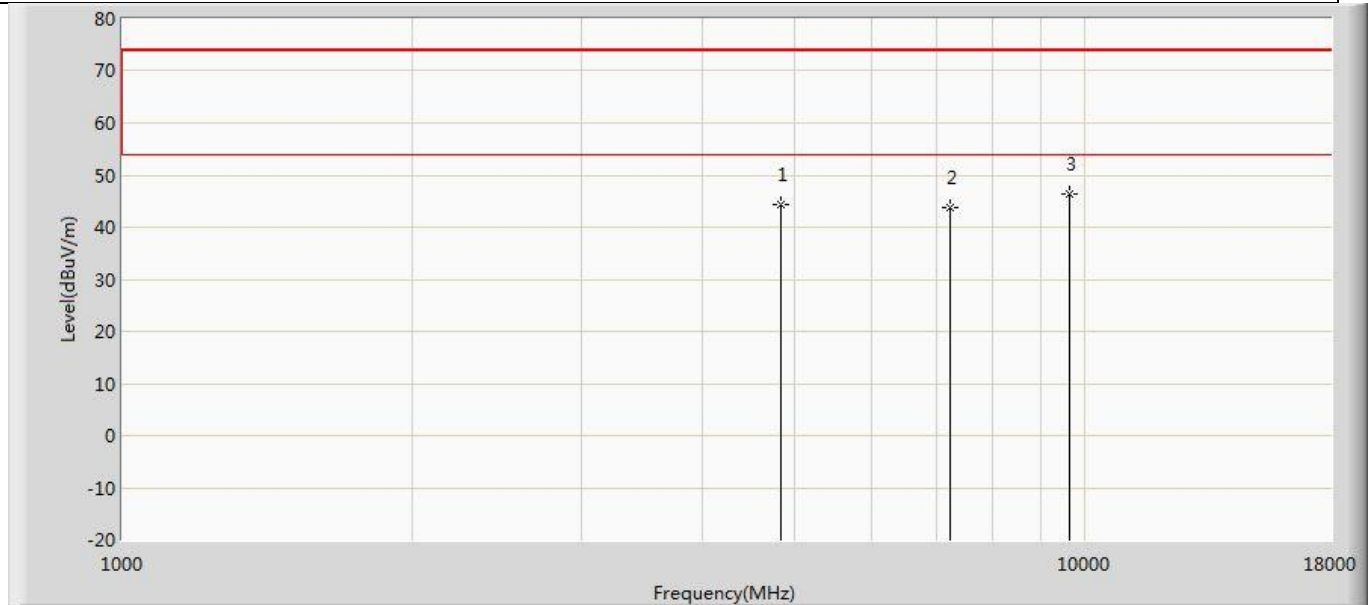
worst test data: Antenna1

Profile: 2310083R	Page No.: 49
Engineer: Yuliu	
Site: AC5	Time: 2023/02/07 - 23:54
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Horizontal
EUT: VR All-In-One Headset	Power: By battery
Note: Mode 1 : Transmit at 2412MHz by 802.11b	



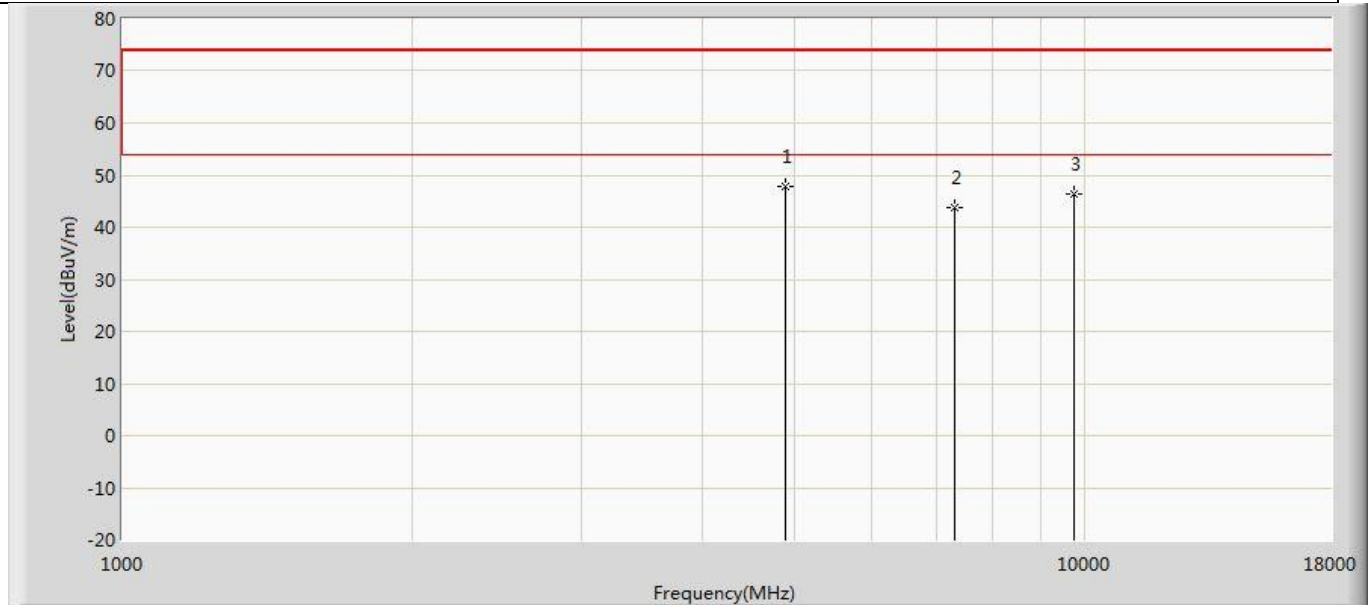
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4825.000	44.669	59.555	-29.331	74.000	-14.886	PK
2		7236.000	44.350	55.194	-29.650	74.000	-10.844	PK
3	*	9648.000	46.386	54.247	-27.614	74.000	-7.860	PK

Profile: 2310083R	Page No.: 50
Engineer: Yuliu	
Site: AC5	Time: 2023/02/07 - 23:54
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Vertical
EUT: VR All-In-One Headset	Power: By battery
Note: Mode 1 : Transmit at 2412MHz by 802.11b	



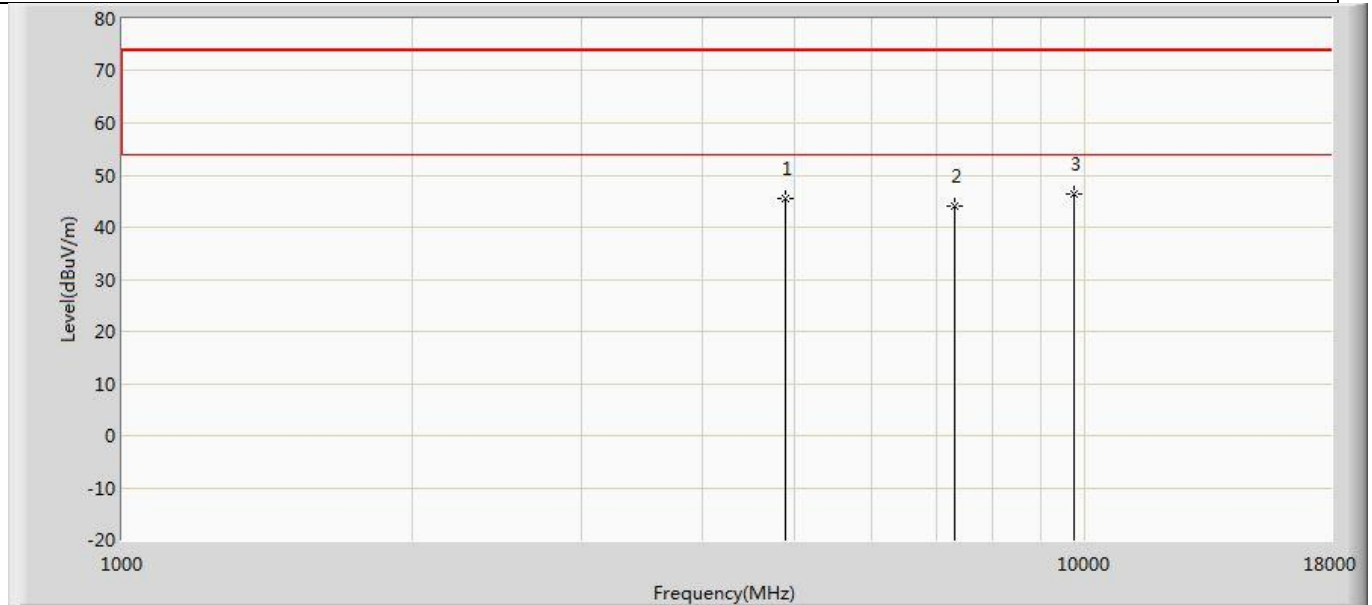
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4825.000	44.377	59.263	-29.623	74.000	-14.886	PK
2		7236.000	43.745	54.589	-30.255	74.000	-10.844	PK
3	*	9648.000	46.385	54.246	-27.615	74.000	-7.860	PK

Profile: 2310083R	Page No.: 51
Engineer: Yuliu	
Site: AC5	Time: 2023/02/07 - 23:54
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Horizontal
EUT: VR All-In-One Headset	Power: By battery
Note: Mode 1 : Transmit at 2437MHz by 802.11b	



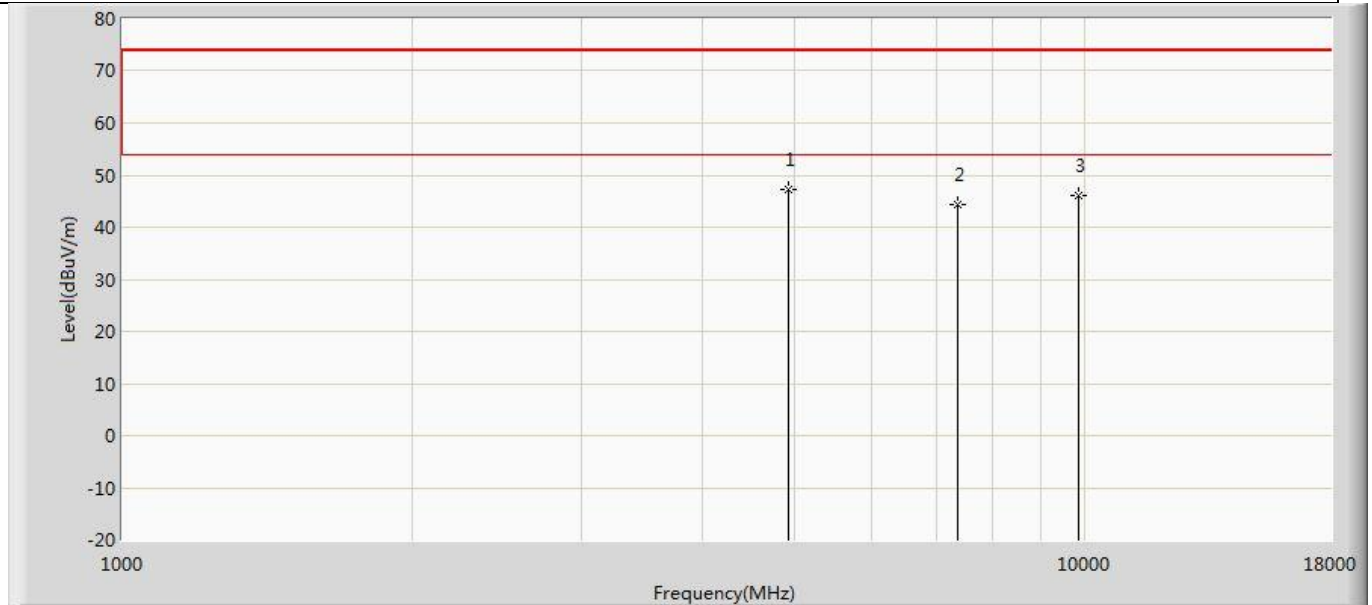
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	4876.000	47.723	62.298	-26.277	74.000	-14.575	PK
2		7311.000	43.704	54.549	-30.296	74.000	-10.844	PK
3		9748.000	46.384	54.175	-27.616	74.000	-7.791	PK

Profile: 2310083R	Page No.: 52
Engineer: Yuliu	
Site: AC5	Time: 2023/02/07 - 23:54
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Vertical
EUT: VR All-In-One Headset	Power: By battery
Note: Mode 1 : Transmit at 2437MHz by 802.11b	



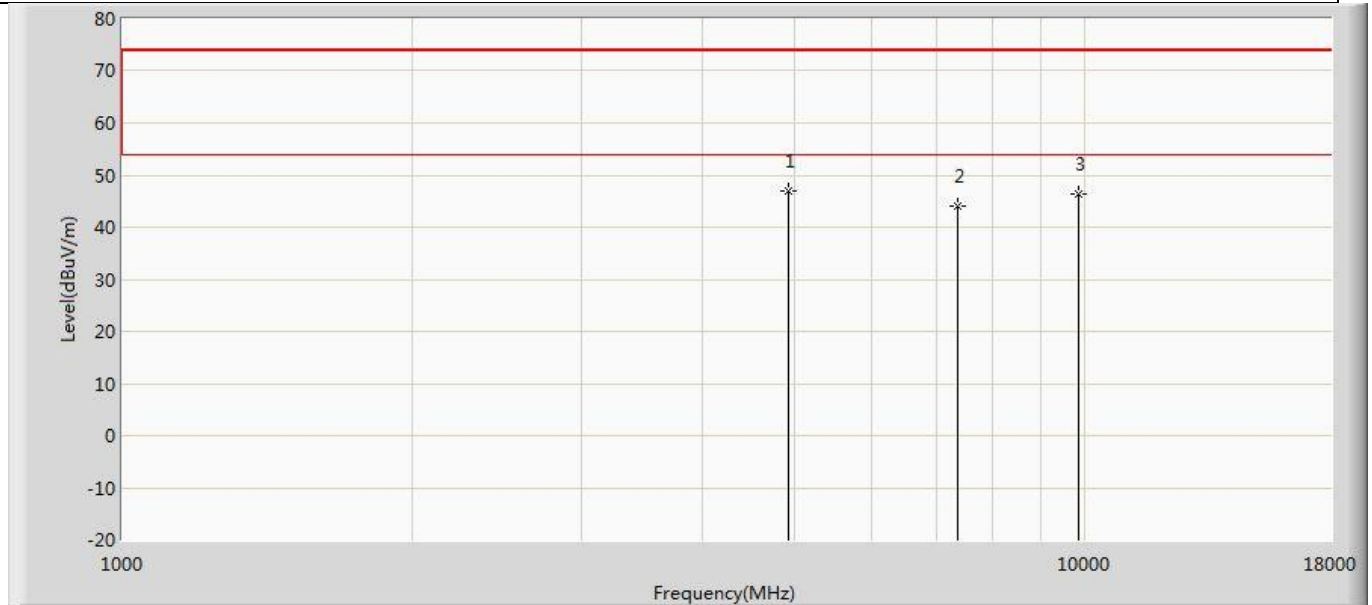
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4876.000	45.652	60.227	-28.348	74.000	-14.575	PK
2		7311.000	43.915	54.760	-30.085	74.000	-10.844	PK
3	*	9748.000	46.504	54.295	-27.496	74.000	-7.791	PK

Profile: 2310083R	Page No.: 53
Engineer: Yuliu	
Site: AC5	Time: 2023/02/07 - 23:54
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Horizontal
EUT: VR All-In-One Headset	Power: By battery
Note: Mode 1 : Transmit at 2462MHz by 802.11b	



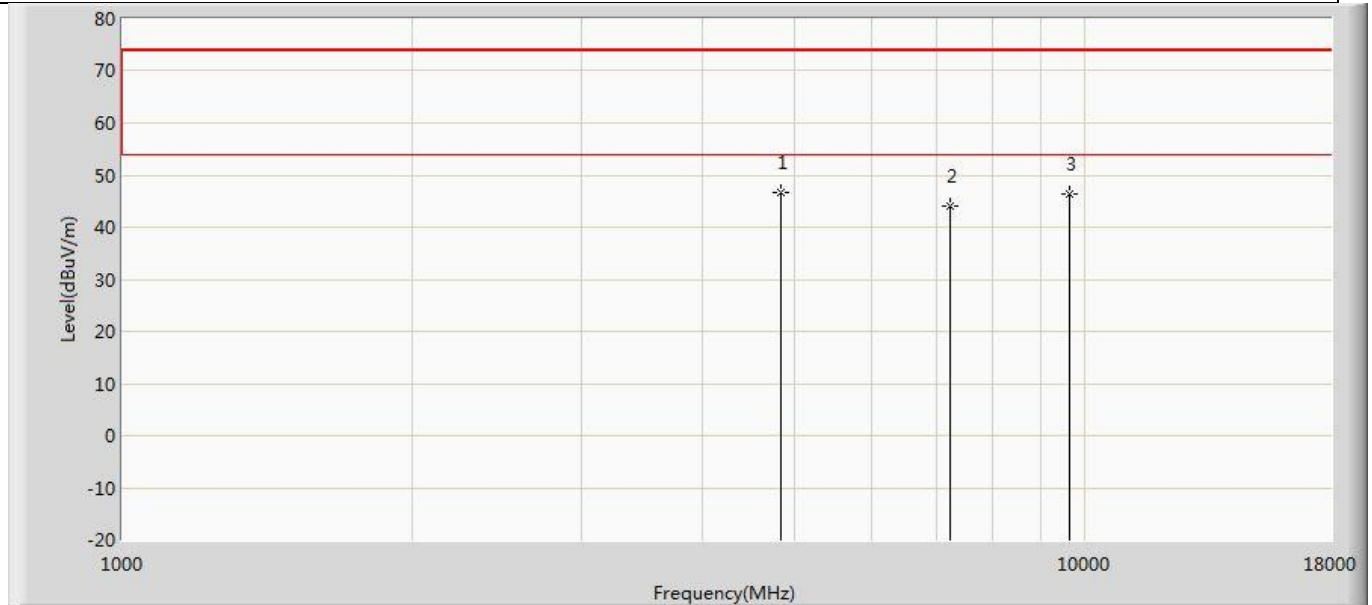
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	4927.000	47.189	61.946	-26.811	74.000	-14.758	PK
2		7386.000	44.242	55.107	-29.758	74.000	-10.866	PK
3		9848.000	46.134	53.759	-27.866	74.000	-7.625	PK

Profile: 2310083R	Page No.: 54
Engineer: Yuliu	
Site: AC5	Time: 2023/02/07 - 23:54
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Vertical
EUT: VR All-In-One Headset	Power: By battery
Note: Mode 1 : Transmit at 2462MHz by 802.11b	



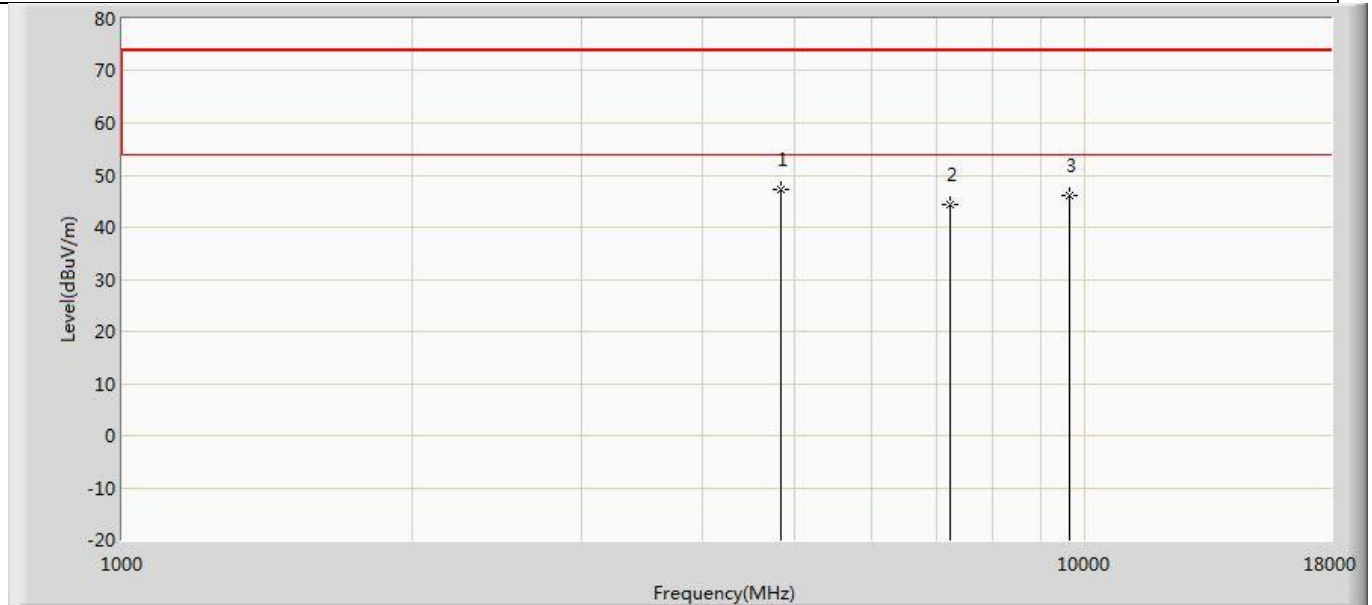
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	4927.000	46.892	61.649	-27.108	74.000	-14.758	PK
2		7386.000	44.094	54.959	-29.906	74.000	-10.866	PK
3		9848.000	46.296	53.921	-27.704	74.000	-7.625	PK

Profile: 2310083R	Page No.: 55
Engineer: Yuliu	
Site: AC5	Time: 2023/02/07 - 23:54
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Horizontal
EUT: VR All-In-One Headset	Power: By battery
Note: Mode 2 : Transmit at 2412MHz by 802.11g	



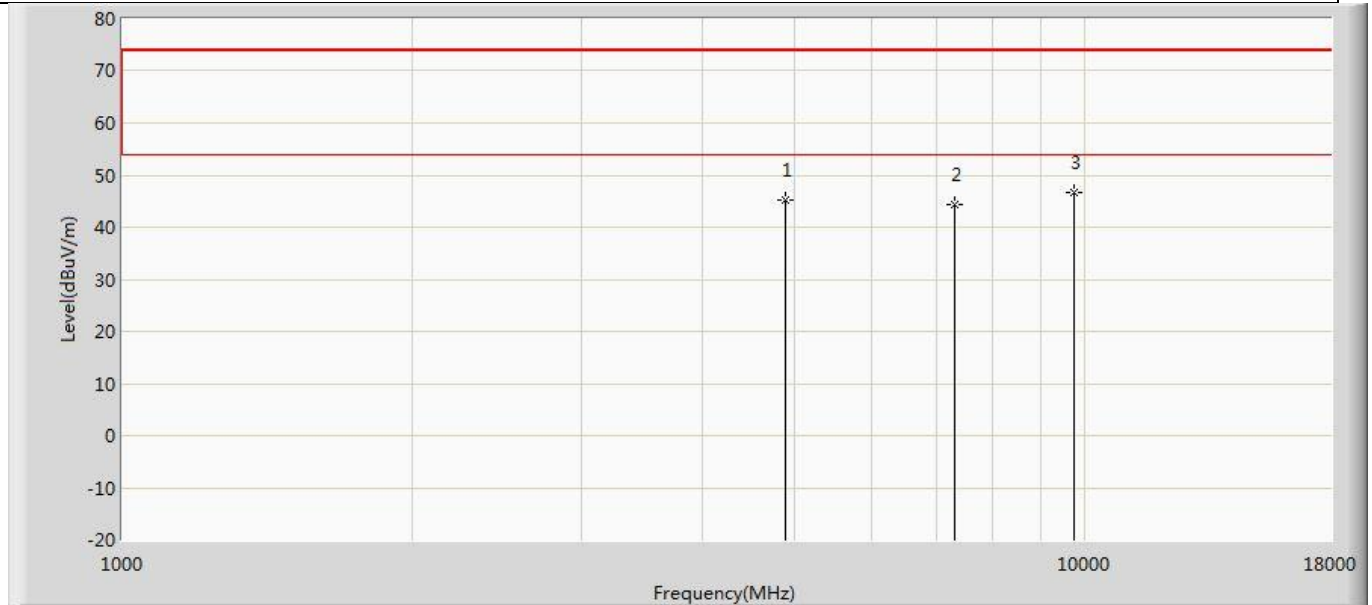
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	4825.000	46.598	61.484	-27.402	74.000	-14.886	PK
2		7236.000	44.169	55.013	-29.831	74.000	-10.844	PK
3		9648.000	46.405	54.266	-27.595	74.000	-7.860	PK

Profile: 2310083R	Page No.: 56
Engineer: Yuliu	
Site: AC5	Time: 2023/02/07 - 23:54
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Vertical
EUT: VR All-In-One Headset	Power: By battery
Note: Mode 2 : Transmit at 2412MHz by 802.11g	



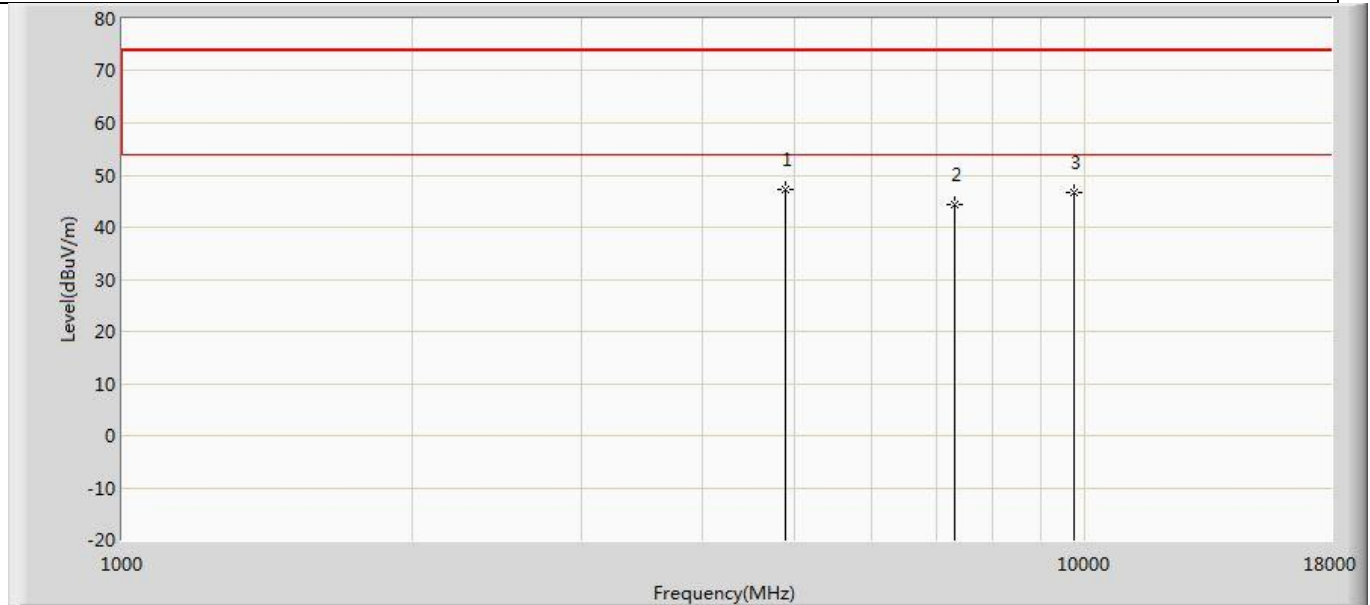
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	4825.000	47.332	62.218	-26.668	74.000	-14.886	PK
2		7236.000	44.300	55.144	-29.700	74.000	-10.844	PK
3		9648.000	45.982	53.843	-28.018	74.000	-7.860	PK

Profile: 2310083R	Page No.: 57
Engineer: Yuliu	
Site: AC5	Time: 2023/02/07 - 23:54
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Horizontal
EUT: VR All-In-One Headset	Power: By battery
Note: Mode 2 : Transmit at 2437MHz by 802.11g	



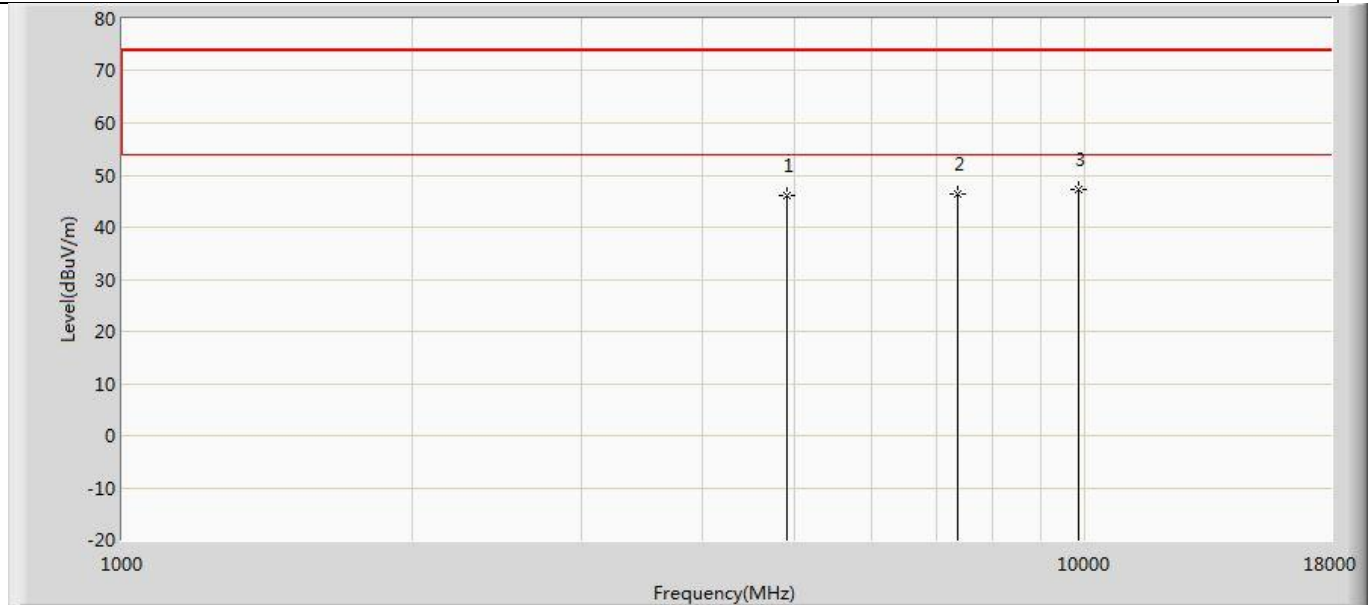
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4876.000	45.200	59.775	-28.800	74.000	-14.575	PK
2		7311.000	44.398	55.243	-29.602	74.000	-10.844	PK
3	*	9748.000	46.780	54.571	-27.220	74.000	-7.791	PK

Profile: 2310083R	Page No.: 58
Engineer: Yuliu	
Site: AC5	Time: 2023/02/07 - 23:54
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Vertical
EUT: VR All-In-One Headset	Power: By battery
Note: Mode 2 : Transmit at 2437MHz by 802.11g	



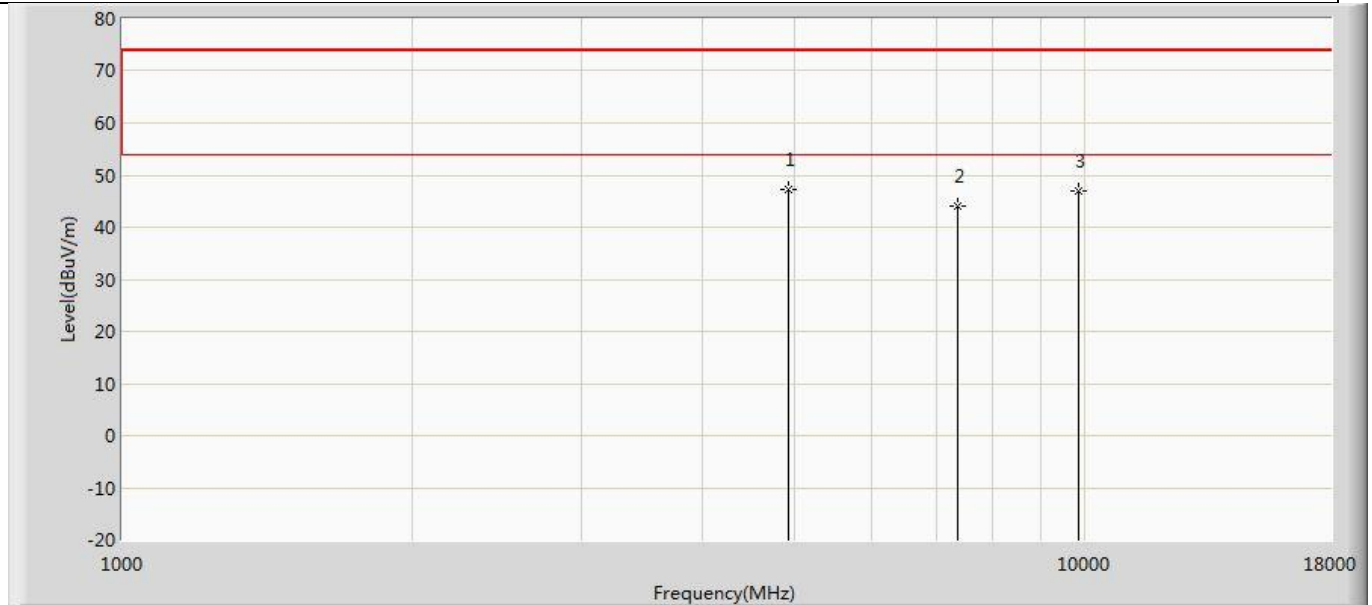
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	4876.000	47.183	61.758	-26.817	74.000	-14.575	PK
2		7311.000	44.375	55.220	-29.625	74.000	-10.844	PK
3		9748.000	46.758	54.549	-27.242	74.000	-7.791	PK

Profile: 2310083R	Page No.: 59
Engineer: Yuliu	
Site: AC5	Time: 2023/02/07 - 23:54
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Horizontal
EUT: VR All-In-One Headset	Power: By battery
Note: Mode 2 : Transmit at 2462MHz by 802.11g	



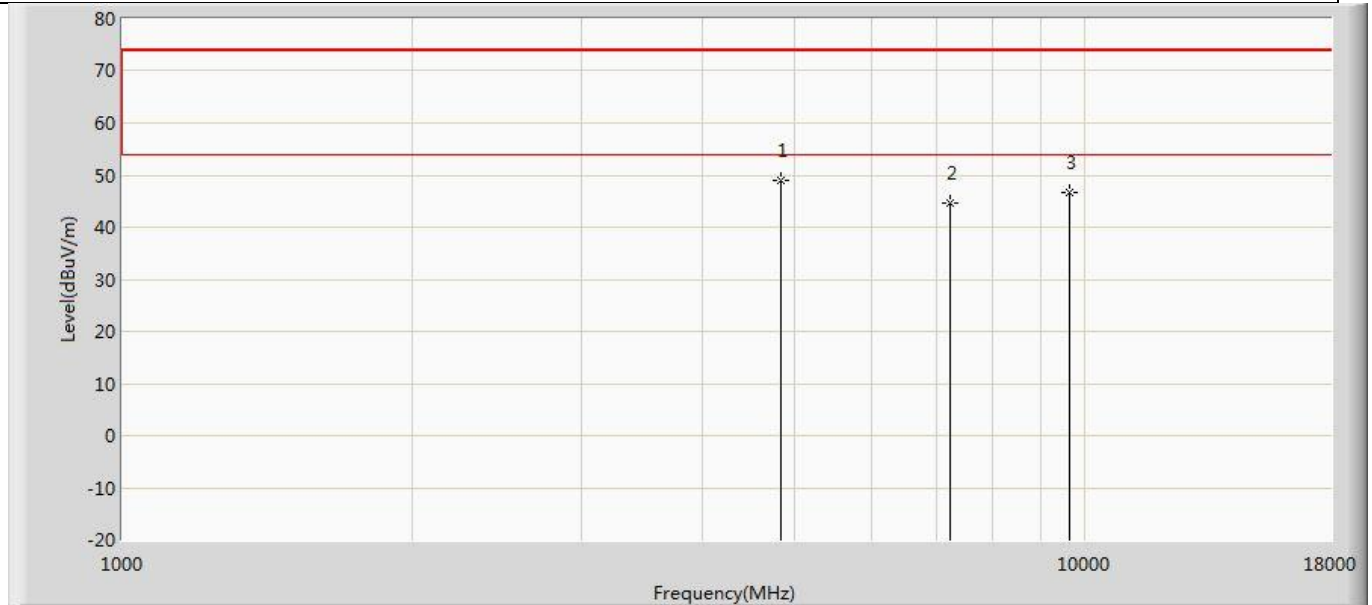
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4910.000	46.014	60.677	-27.986	74.000	-14.663	PK
2		7386.000	46.395	57.260	-27.605	74.000	-10.866	PK
3	*	9848.000	47.166	54.791	-26.834	74.000	-7.625	PK

Profile: 2310083R	Page No.: 60
Engineer: Yuliu	
Site: AC5	Time: 2023/02/07 - 23:54
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Vertical
EUT: VR All-In-One Headset	Power: By battery
Note: Mode 2 : Transmit at 2462MHz by 802.11g	



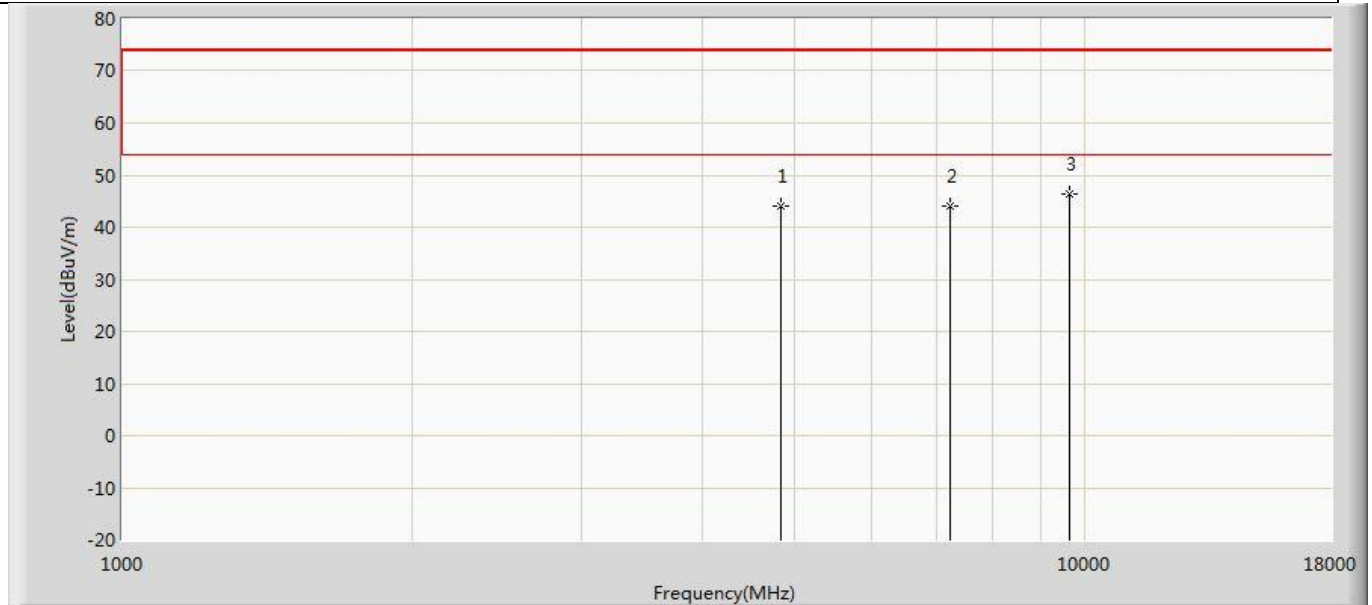
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	4927.000	47.270	62.027	-26.730	74.000	-14.758	PK
2		7386.000	44.023	54.888	-29.977	74.000	-10.866	PK
3		9848.000	46.906	54.531	-27.094	74.000	-7.625	PK

Profile: 2310083R	Page No.: 61
Engineer: Yuliu	
Site: AC5	Time: 2023/02/07 - 23:54
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Horizontal
EUT: VR All-In-One Headset	Power: By battery
Note: Mode 3 : Transmit at 2412MHz by 802.11n(20MHz)	



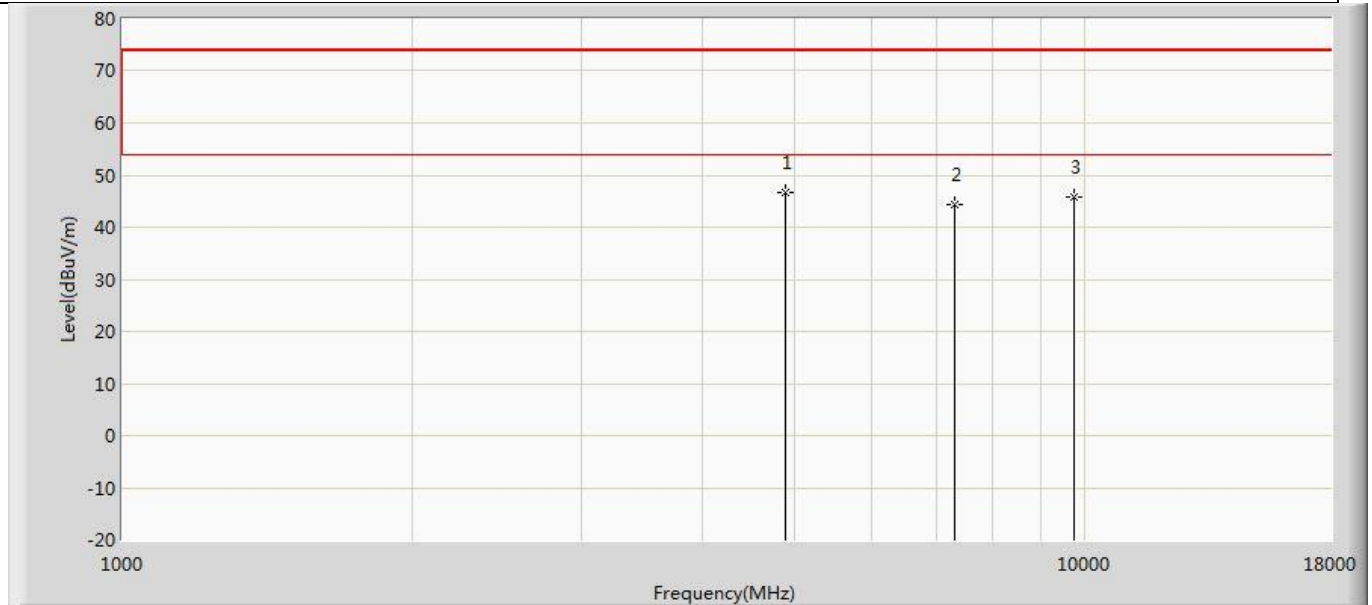
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	4825.000	49.119	64.005	-24.881	74.000	-14.886	PK
2		7236.000	44.507	55.351	-29.493	74.000	-10.844	PK
3		9648.000	46.591	54.452	-27.409	74.000	-7.860	PK

Profile: 2310083R	Page No.: 62
Engineer: Yuliu	
Site: AC5	Time: 2023/02/07 - 23:54
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Vertical
EUT: VR All-In-One Headset	Power: By battery
Note: Mode 3 : Transmit at 2412MHz by 802.11n(20MHz)	



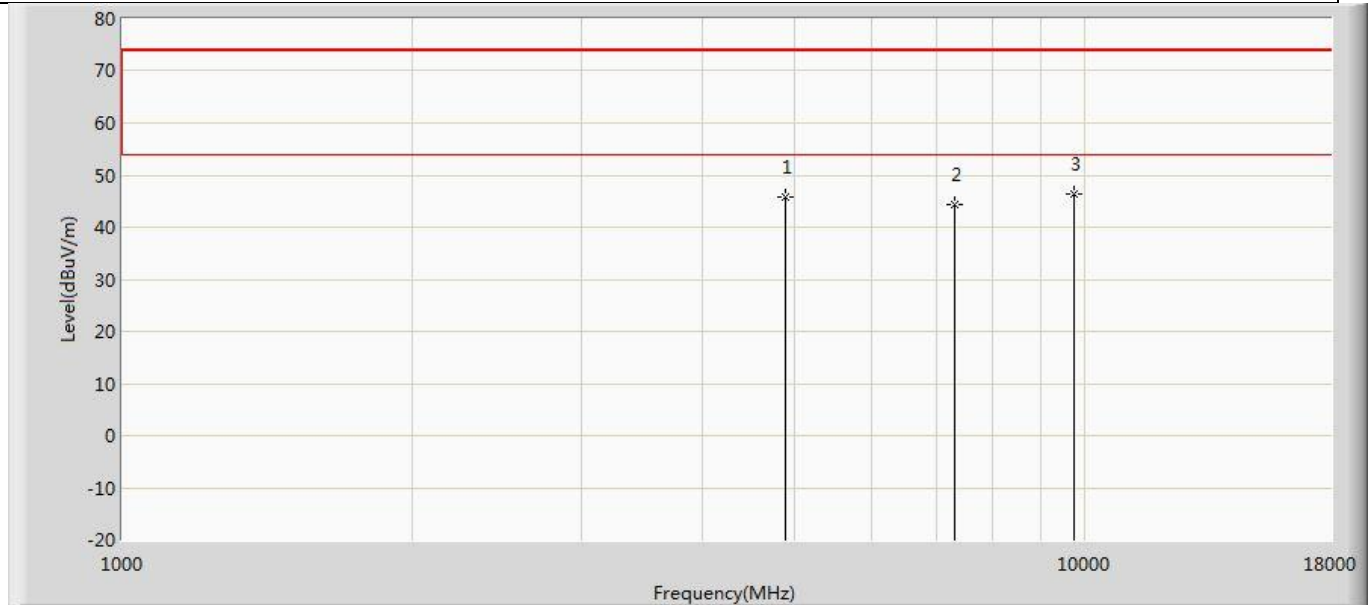
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4825.000	44.159	59.045	-29.841	74.000	-14.886	PK
2		7236.000	44.191	55.035	-29.809	74.000	-10.844	PK
3	*	9648.000	46.316	54.177	-27.684	74.000	-7.860	PK

Profile: 2310083R	Page No.: 63
Engineer: Yuliu	
Site: AC5	Time: 2023/02/07 - 23:55
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Horizontal
EUT: VR All-In-One Headset	Power: By battery
Note: Mode 3 : Transmit at 2437MHz by 802.11n(20MHz)	



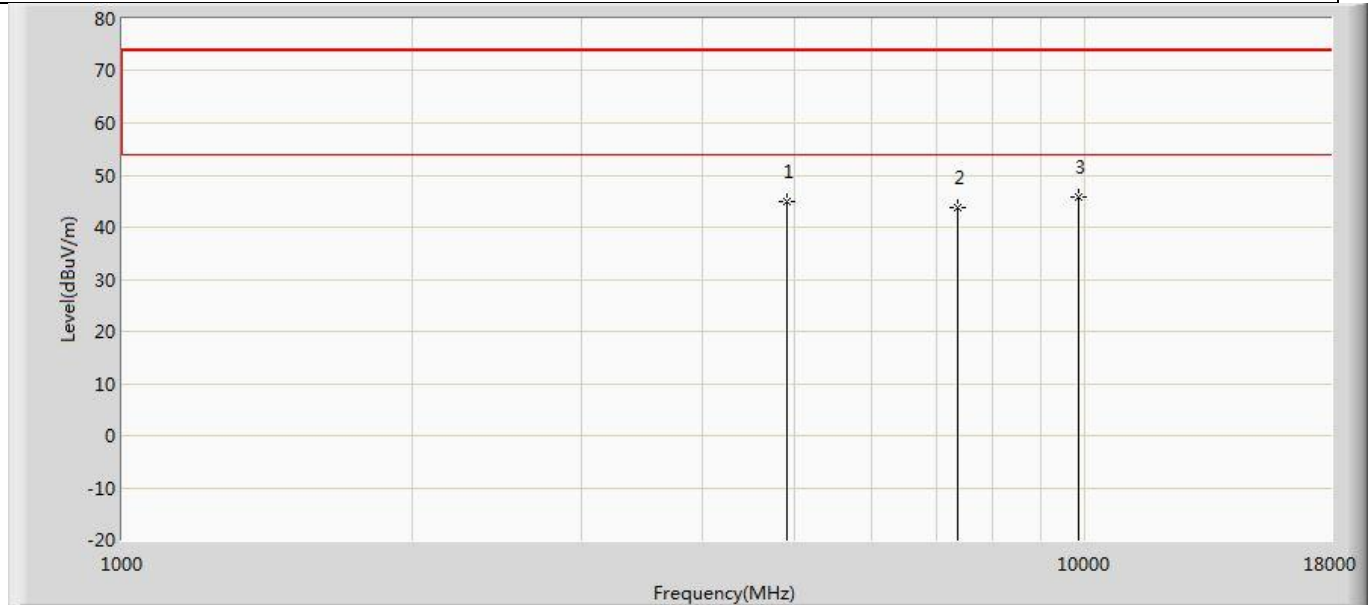
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	4876.000	46.536	61.111	-27.464	74.000	-14.575	PK
2		7311.000	44.379	55.224	-29.621	74.000	-10.844	PK
3		9748.000	45.893	53.684	-28.107	74.000	-7.791	PK

Profile: 2310083R	Page No.: 64
Engineer: Yuliu	
Site: AC5	Time: 2023/02/07 - 23:55
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Vertical
EUT: VR All-In-One Headset	Power: By battery
Note: Mode 3 : Transmit at 2437MHz by 802.11n(20MHz)	



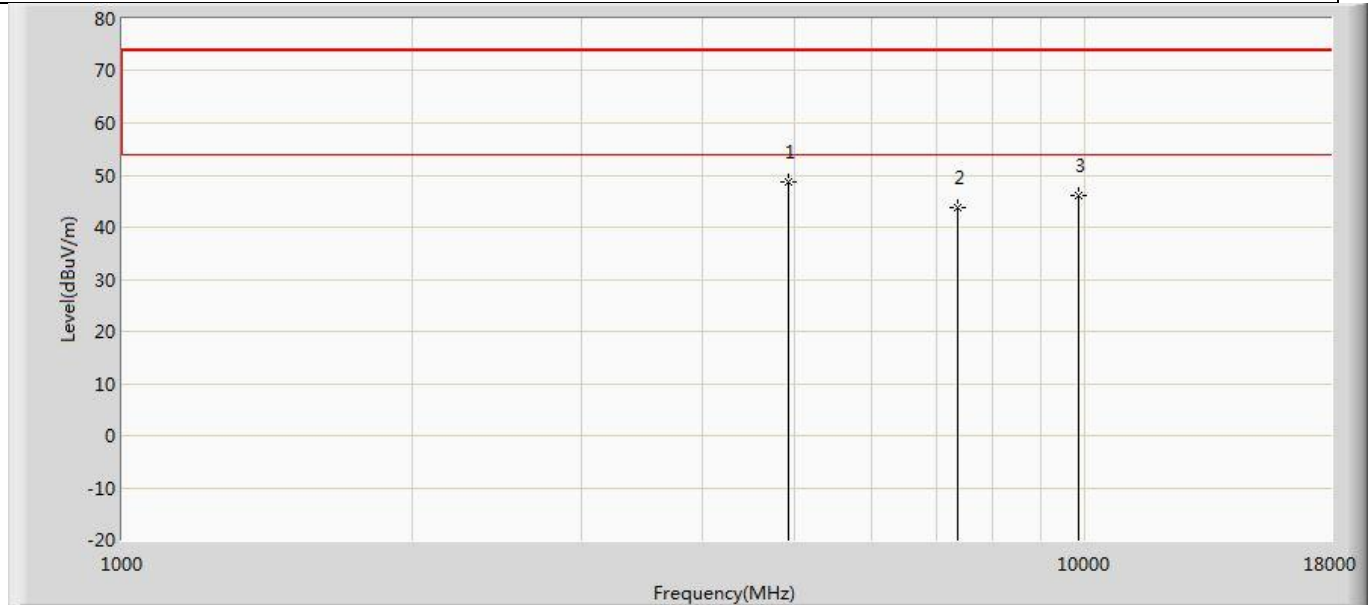
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4876.000	45.881	60.456	-28.119	74.000	-14.575	PK
2		7311.000	44.223	55.068	-29.777	74.000	-10.844	PK
3	*	9748.000	46.271	54.062	-27.729	74.000	-7.791	PK

Profile: 2310083R	Page No.: 65
Engineer: Yuliu	
Site: AC5	Time: 2023/02/07 - 23:55
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Horizontal
EUT: VR All-In-One Headset	Power: By battery
Note: Mode 3 : Transmit at 2462MHz by 802.11n(20MHz)	



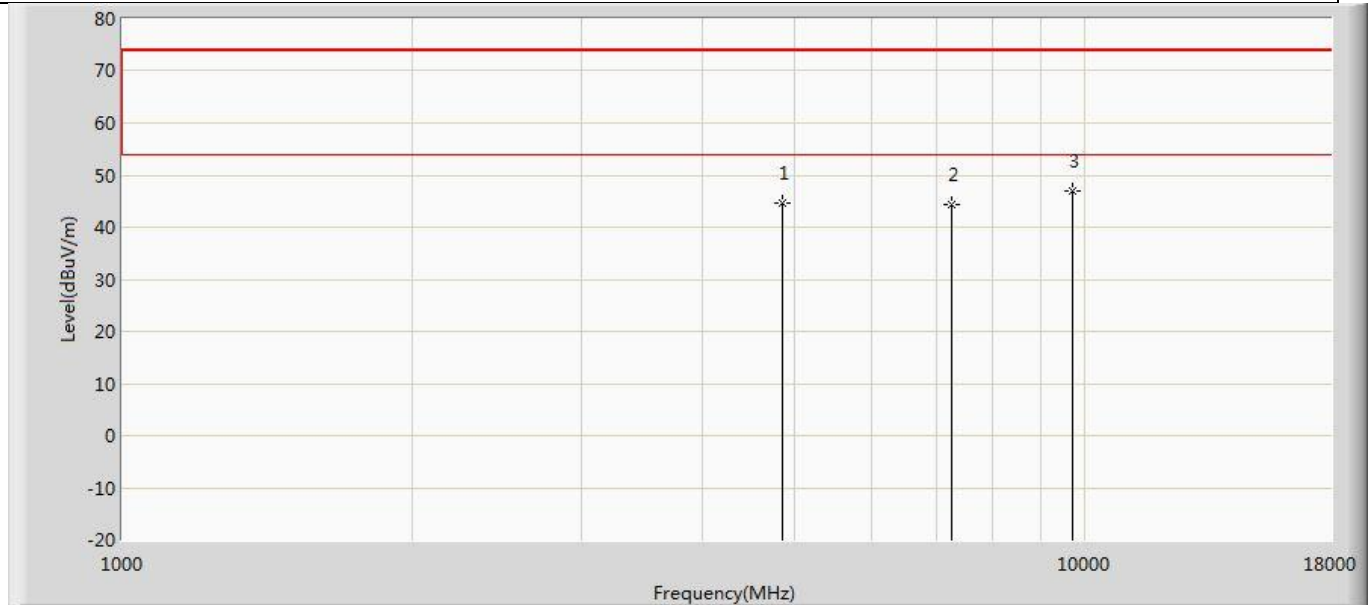
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4910.000	44.923	59.586	-29.077	74.000	-14.663	PK
2		7386.000	43.760	54.625	-30.240	74.000	-10.866	PK
3	*	9848.000	45.927	53.552	-28.073	74.000	-7.625	PK

Profile: 2310083R	Page No.: 66
Engineer: Yuliu	
Site: AC5	Time: 2023/02/07 - 23:55
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Vertical
EUT: VR All-In-One Headset	Power: By battery
Note: Mode 3 : Transmit at 2462MHz by 802.11n(20MHz)	



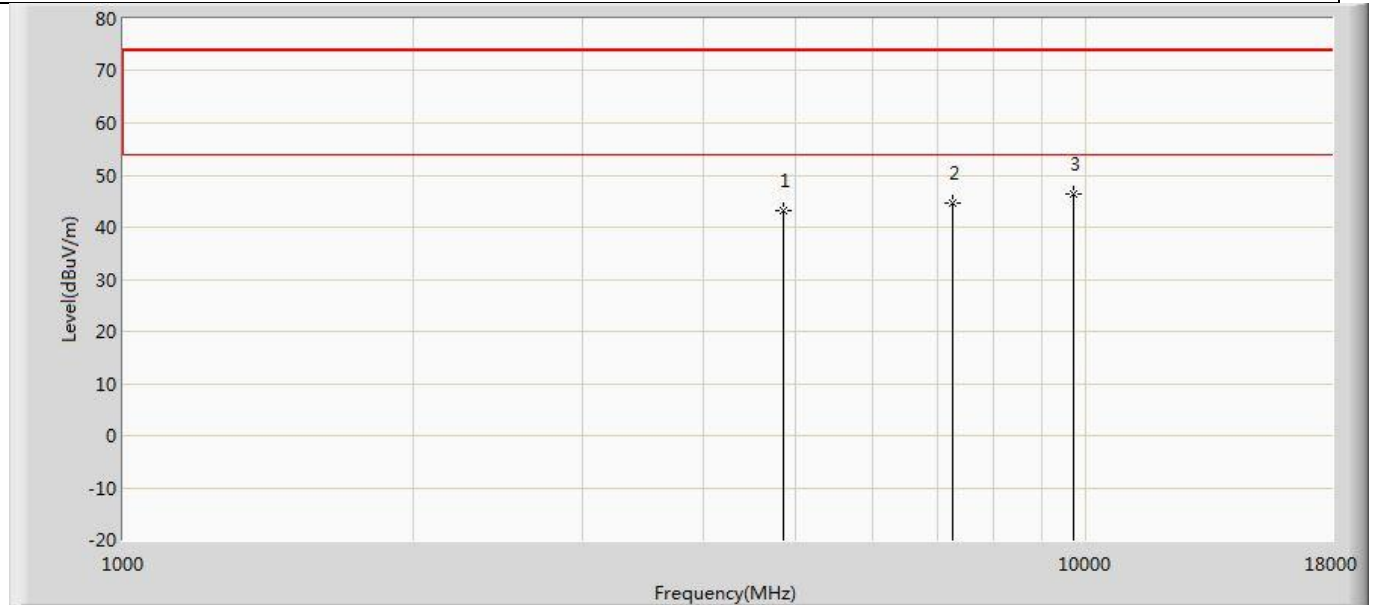
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	4927.000	48.735	63.492	-25.265	74.000	-14.758	PK
2		7386.000	43.723	54.588	-30.277	74.000	-10.866	PK
3		9848.000	46.114	53.739	-27.886	74.000	-7.625	PK

Profile: 2310083R	Page No.: 67
Engineer: Yuliu	
Site: AC5	Time: 2023/02/07 - 23:55
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Horizontal
EUT: VR All-In-One Headset	Power: By battery
Note: Mode 4 : Transmit at 2422MHz by 802.11n(40MHz)	



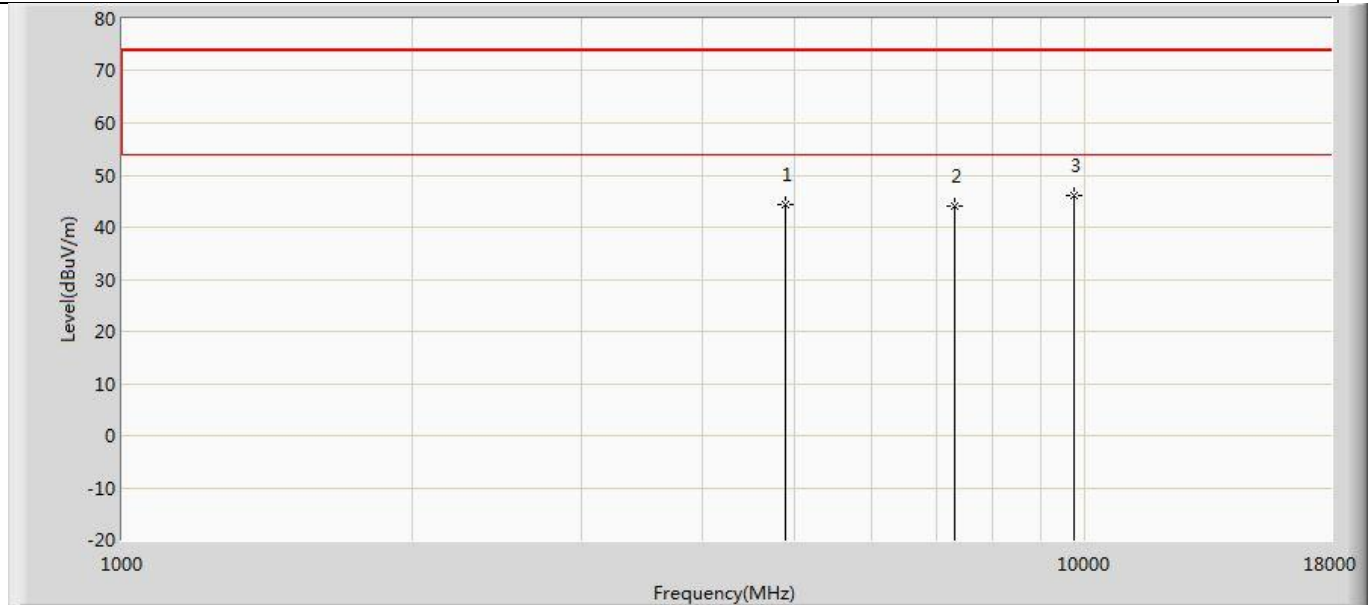
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4842.000	44.514	59.529	-29.486	74.000	-15.014	PK
2		7266.000	44.302	55.063	-29.698	74.000	-10.761	PK
3	*	9688.000	46.856	54.872	-27.144	74.000	-8.016	PK

Profile: 2310083R	Page No.: 68
Engineer: Yuliu	
Site: AC5	Time: 2023/02/07 - 23:55
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Vertical
EUT: VR All-In-One Headset	Power: By battery
Note: Mode 4 : Transmit at 2422MHz by 802.11n(40MHz)	



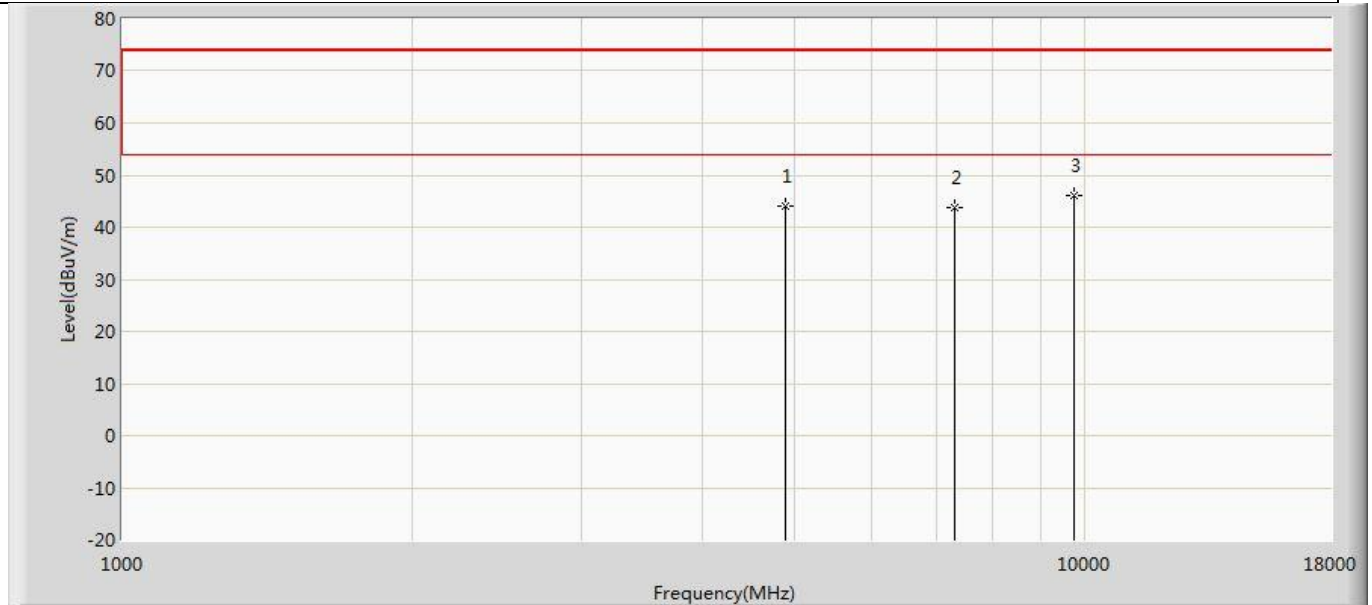
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4844.000	43.077	58.075	-30.923	74.000	-14.997	PK
2		7266.000	44.540	55.301	-29.460	74.000	-10.761	PK
3	*	9688.000	46.253	54.269	-27.747	74.000	-8.016	PK

Profile: 2310083R	Page No.: 69
Engineer: Yuliu	
Site: AC5	Time: 2023/02/07 - 23:55
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Horizontal
EUT: VR All-In-One Headset	Power: By battery
Note: Mode 4 : Transmit at 2437MHz by 802.11n(40MHz)	



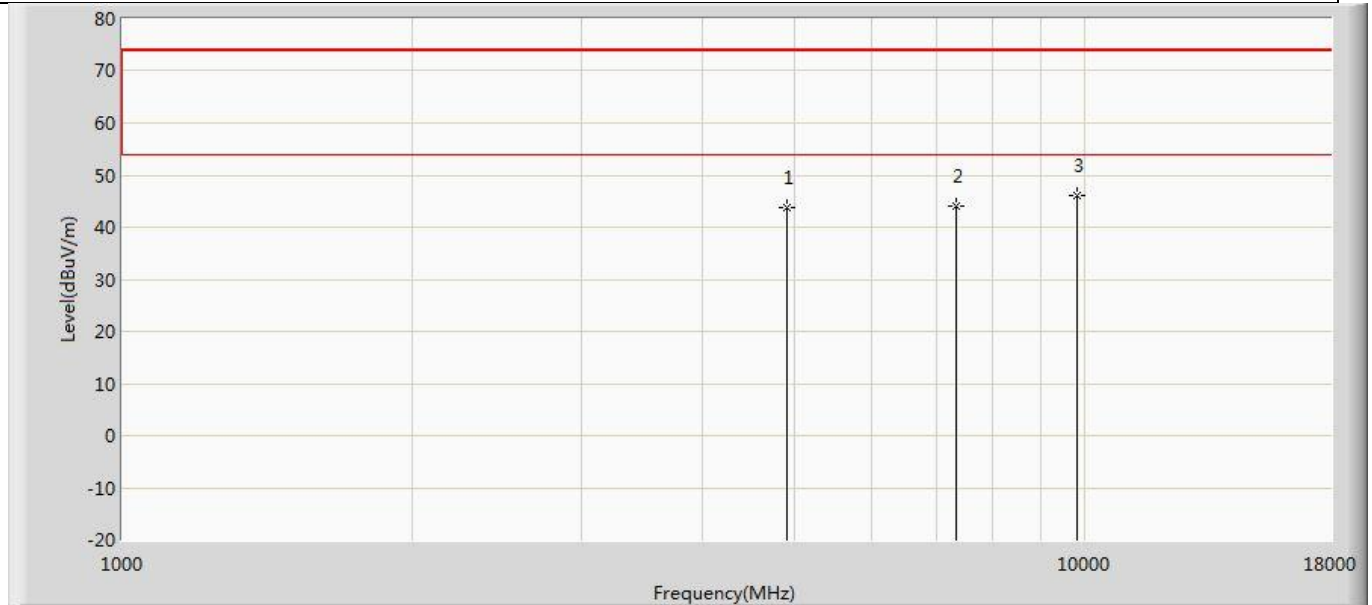
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4876.000	44.284	58.859	-29.716	74.000	-14.575	PK
2		7311.000	44.103	54.948	-29.897	74.000	-10.844	PK
3	*	9748.000	46.071	53.862	-27.929	74.000	-7.791	PK

Profile: 2310083R	Page No.: 70
Engineer: Yuliu	
Site: AC5	Time: 2023/02/07 - 23:55
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Vertical
EUT: VR All-In-One Headset	Power: By battery
Note: Mode 4 : Transmit at 2437MHz by 802.11n(40MHz)	



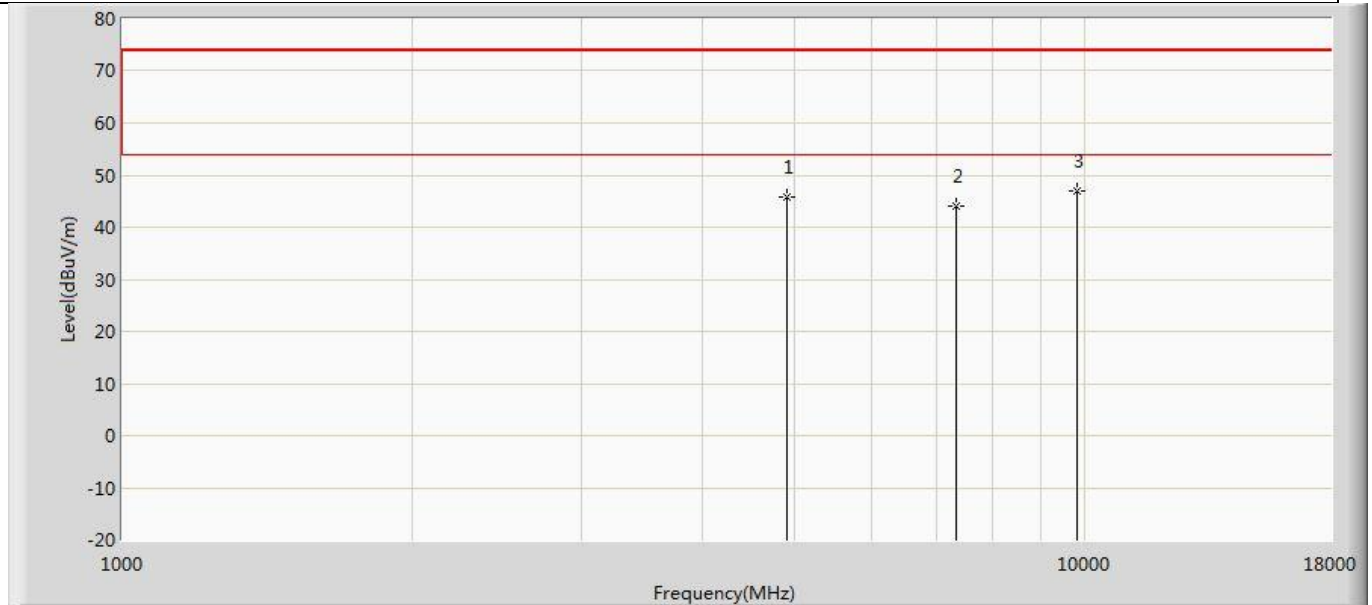
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4876.000	44.178	58.753	-29.822	74.000	-14.575	PK
2		7311.000	43.895	54.740	-30.105	74.000	-10.844	PK
3	*	9748.000	46.194	53.985	-27.806	74.000	-7.791	PK

Profile: 2310083R	Page No.: 71
Engineer: Yuliu	
Site: AC5	Time: 2023/02/07 - 23:55
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Horizontal
EUT: VR All-In-One Headset	Power: By battery
Note: Mode 4 : Transmit at 2452MHz by 802.11n(40MHz)	



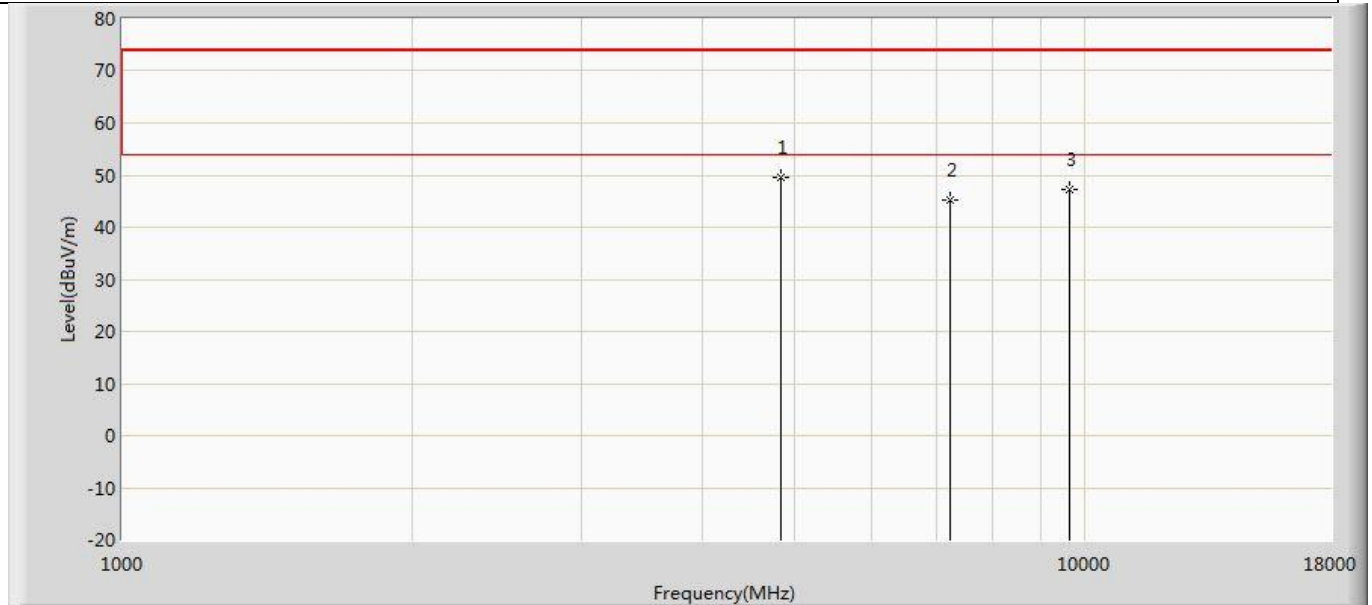
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4910.000	43.901	58.564	-30.099	74.000	-14.663	PK
2		7356.000	44.026	54.839	-29.974	74.000	-10.813	PK
3	*	9808.000	46.121	53.704	-27.879	74.000	-7.583	PK

Profile: 2310083R	Page No.: 72
Engineer: Yuliu	
Site: AC5	Time: 2023/02/07 - 23:55
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Vertical
EUT: VR All-In-One Headset	Power: By battery
Note: Mode 4 : Transmit at 2452MHz by 802.11n(40MHz)	



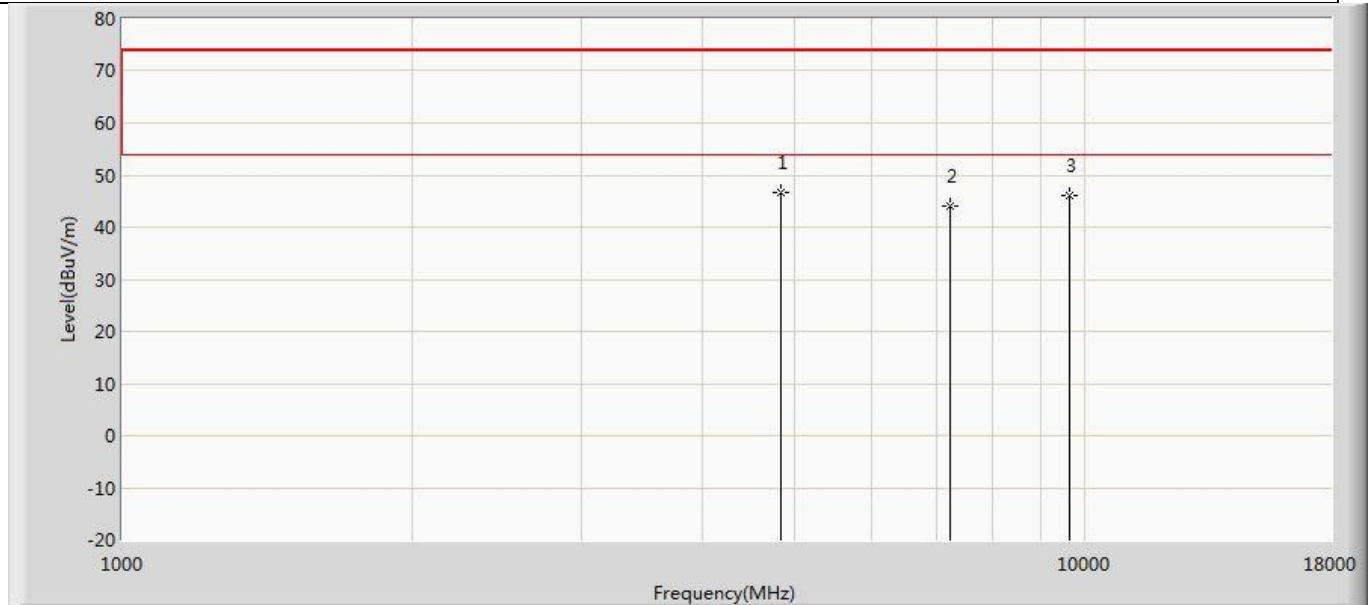
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4910.000	45.848	60.511	-28.152	74.000	-14.663	PK
2		7356.000	44.002	54.815	-29.998	74.000	-10.813	PK
3	*	9808.000	46.852	54.435	-27.148	74.000	-7.583	PK

Profile: 2310083R	Page No.: 85
Engineer: Yuliu	
Site: AC5	Time: 2023/02/07 - 23:56
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Horizontal
EUT: VR All-In-One Headset	Power: By battery
Note: Mode 5 : Transmit at 2412MHz by 802.11ax(20MHz)	



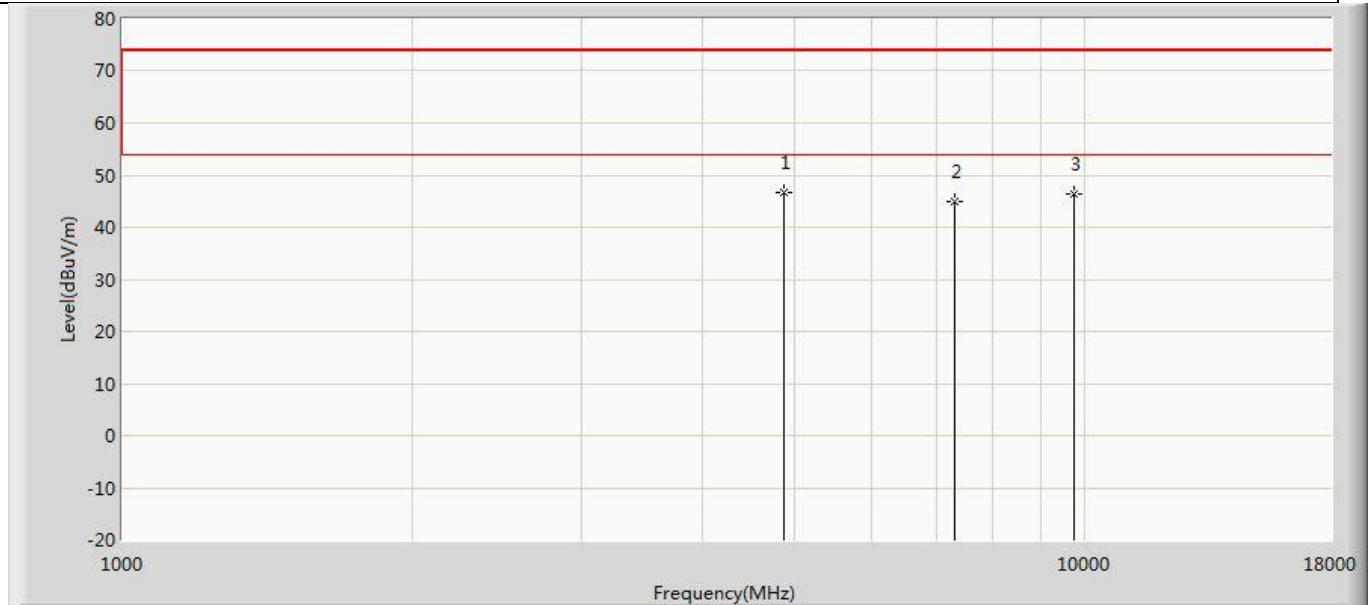
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	4825.000	49.578	64.464	-24.422	74.000	-14.886	PK
2		7236.000	45.355	56.199	-28.645	74.000	-10.844	PK
3		9648.000	47.198	55.059	-26.802	74.000	-7.860	PK

Profile: 2310083R	Page No.: 86
Engineer: Yuliu	
Site: AC5	Time: 2023/02/07 - 23:56
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Vertical
EUT: VR All-In-One Headset	Power: By battery
Note: Mode 5 : Transmit at 2412MHz by 802.11ax(20MHz)	



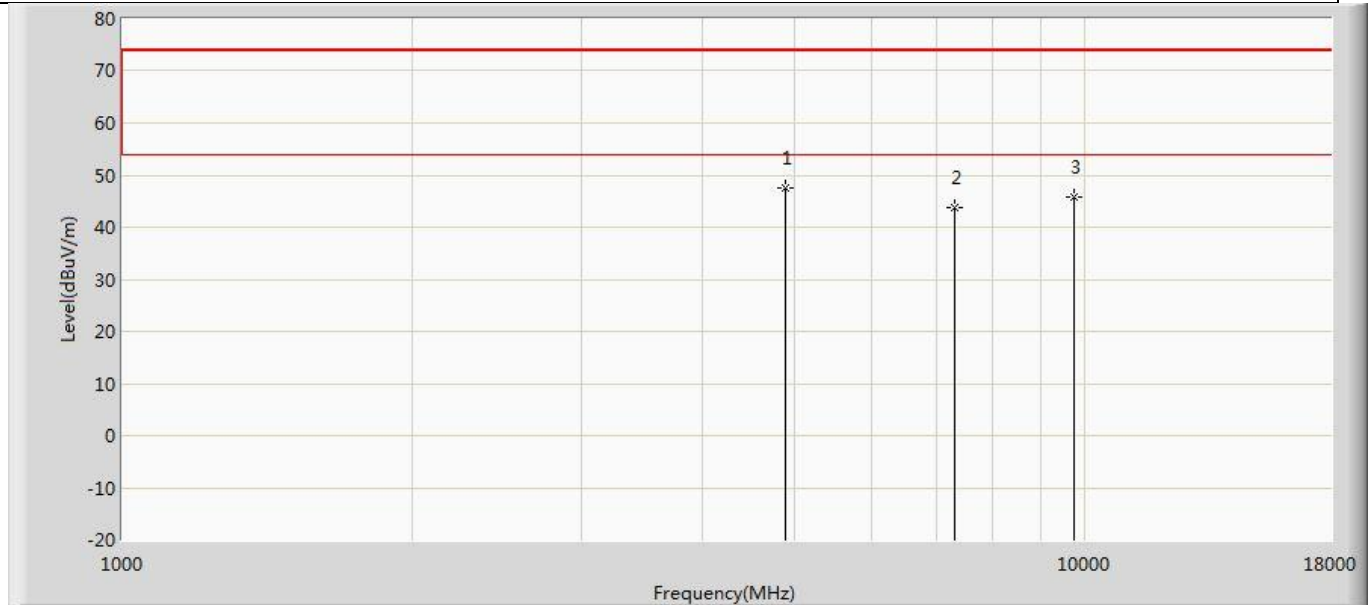
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	4825.000	46.746	61.632	-27.254	74.000	-14.886	PK
2		7236.000	43.943	54.787	-30.057	74.000	-10.844	PK
3		9648.000	46.079	53.940	-27.921	74.000	-7.860	PK

Profile: 2310083R	Page No.: 87
Engineer: Yuliu	
Site: AC5	Time: 2023/02/07 - 23:56
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Horizontal
EUT: VR All-In-One Headset	Power: By battery
Note: Mode 5 : Transmit at 2437MHz by 802.11ax(20MHz)	



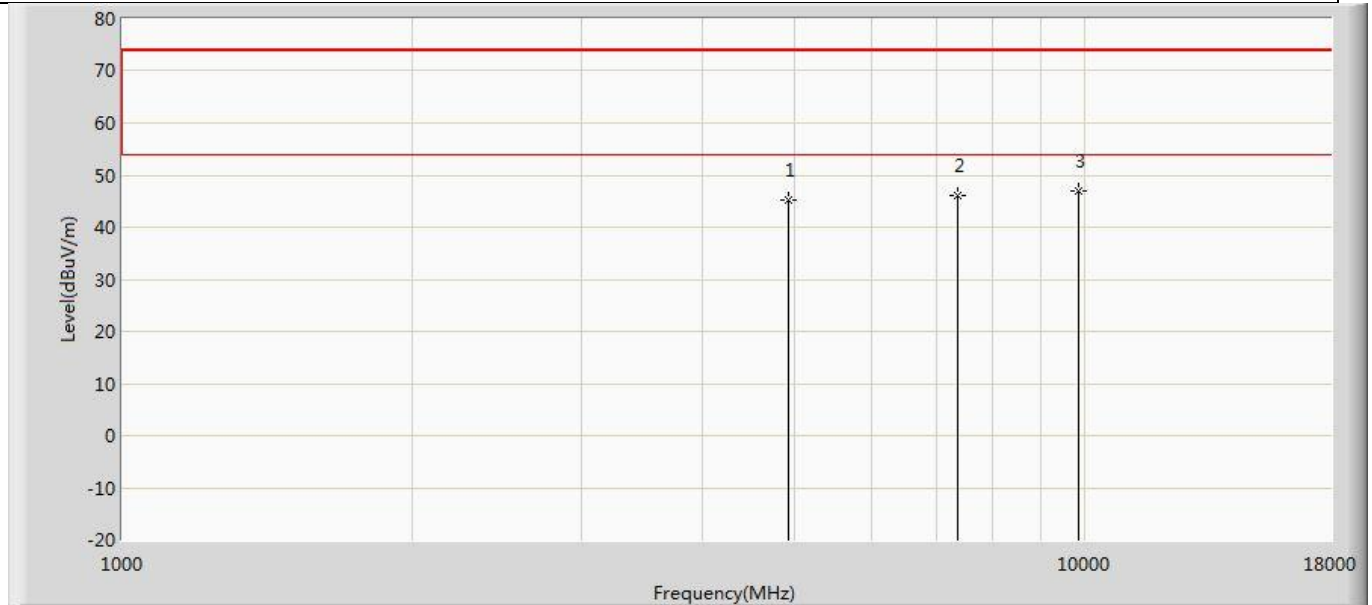
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	4874.000	46.601	61.211	-27.399	74.000	-14.610	PK
2		7311.000	44.976	55.821	-29.024	74.000	-10.844	PK
3		9748.000	46.282	54.073	-27.718	74.000	-7.791	PK

Profile: 2310083R	Page No.: 88
Engineer: Yuliu	
Site: AC5	Time: 2023/02/07 - 23:56
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Vertical
EUT: VR All-In-One Headset	Power: By battery
Note: Mode 5 : Transmit at 2437MHz by 802.11ax(20MHz)	



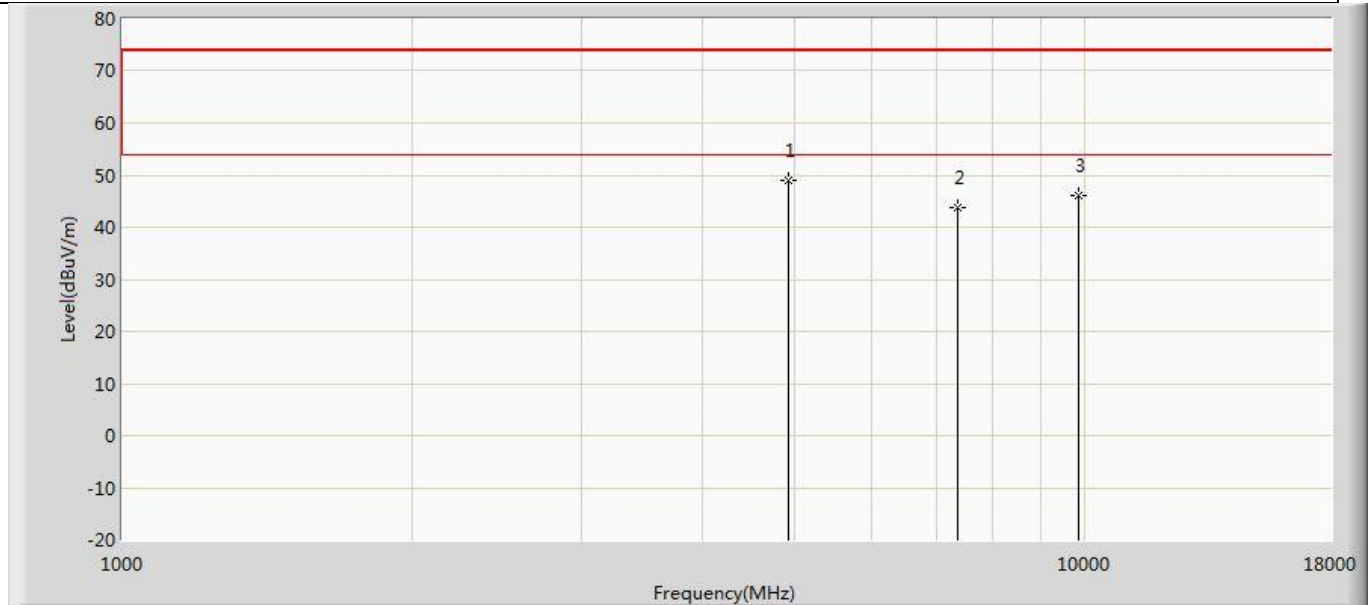
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	4876.000	47.664	62.239	-26.336	74.000	-14.575	PK
2		7311.000	43.827	54.672	-30.173	74.000	-10.844	PK
3		9748.000	45.733	53.524	-28.267	74.000	-7.791	PK

Profile: 2310083R	Page No.: 89
Engineer: Yuliu	
Site: AC5	Time: 2023/02/07 - 23:56
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Horizontal
EUT: VR All-In-One Headset	Power: By battery
Note: Mode 5 : Transmit at 2462MHz by 802.11ax(20MHz)	



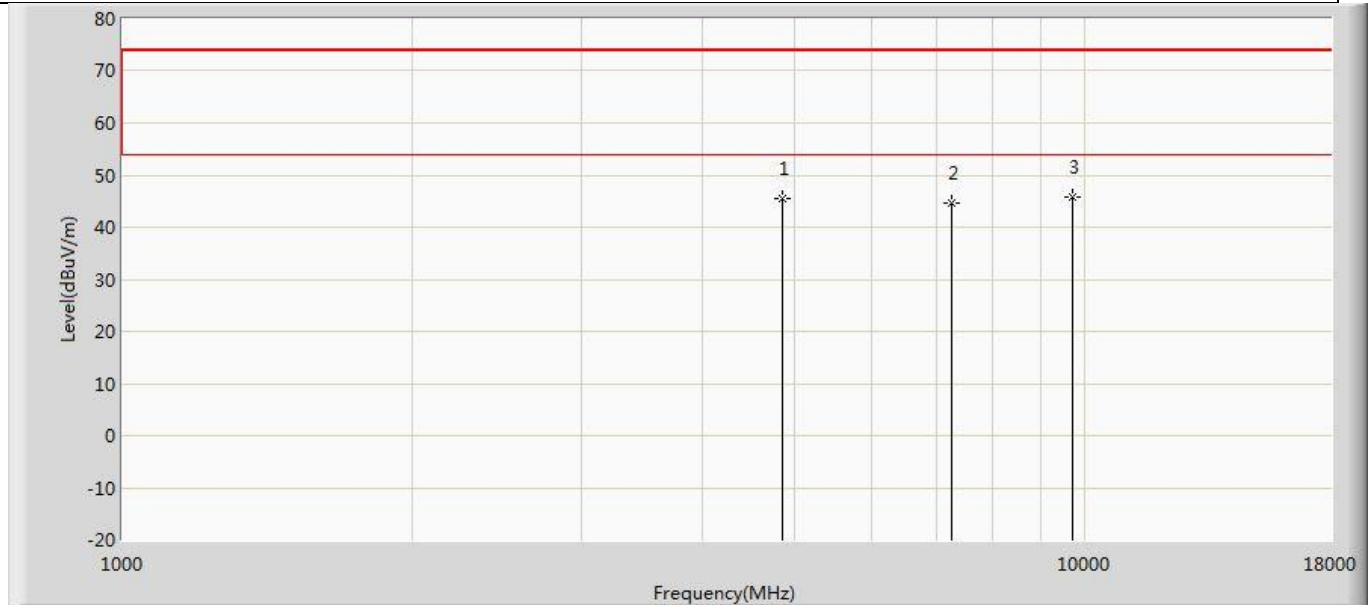
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4924.000	45.202	59.942	-28.798	74.000	-14.741	PK
2		7386.000	46.009	56.874	-27.991	74.000	-10.866	PK
3	*	9848.000	46.966	54.591	-27.034	74.000	-7.625	PK

Profile: 2310083R	Page No.: 90
Engineer: Yuliu	
Site: AC5	Time: 2023/02/07 - 23:56
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Vertical
EUT: VR All-In-One Headset	Power: By battery
Note: Mode 5 : Transmit at 2462MHz by 802.11ax(20MHz)	



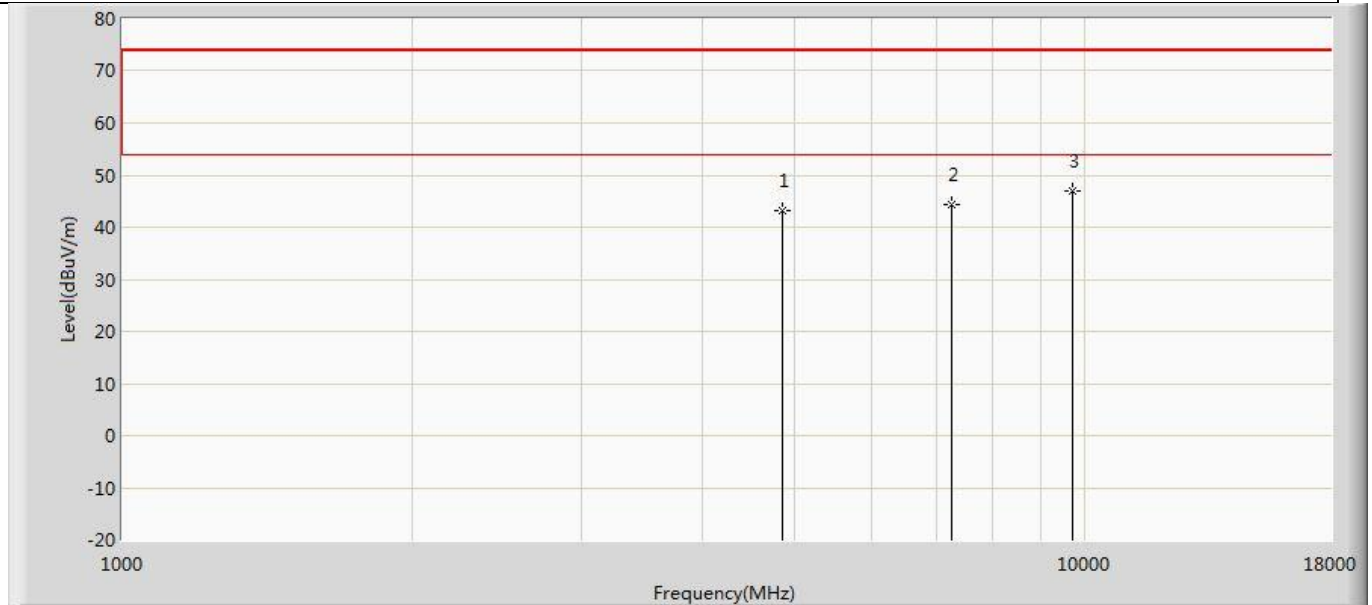
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	4927.000	48.917	63.674	-25.083	74.000	-14.758	PK
2		7386.000	43.638	54.503	-30.362	74.000	-10.866	PK
3		9848.000	46.102	53.727	-27.898	74.000	-7.625	PK

Profile: 2310083R	Page No.: 91
Engineer: Yuliu	
Site: AC5	Time: 2023/02/07 - 23:56
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Horizontal
EUT: VR All-In-One Headset	Power: By battery
Note: Mode 6 : Transmit at 2422MHz by 802.11ax(40MHz)	



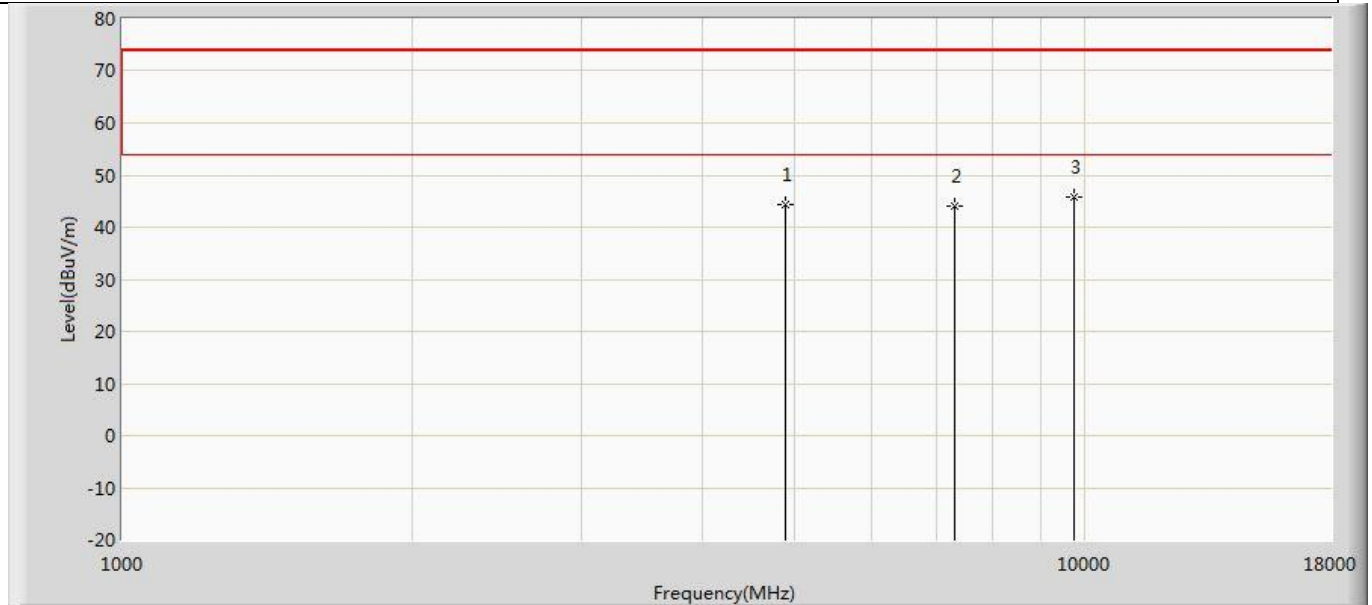
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4842.000	45.448	60.463	-28.552	74.000	-15.014	PK
2		7266.000	44.515	55.276	-29.485	74.000	-10.761	PK
3	*	9688.000	45.892	53.908	-28.108	74.000	-8.016	PK

Profile: 2310083R	Page No.: 92
Engineer: Yuliu	
Site: AC5	Time: 2023/02/07 - 23:56
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Vertical
EUT: VR All-In-One Headset	Power: By battery
Note: Mode 6 : Transmit at 2422MHz by 802.11ax(40MHz)	



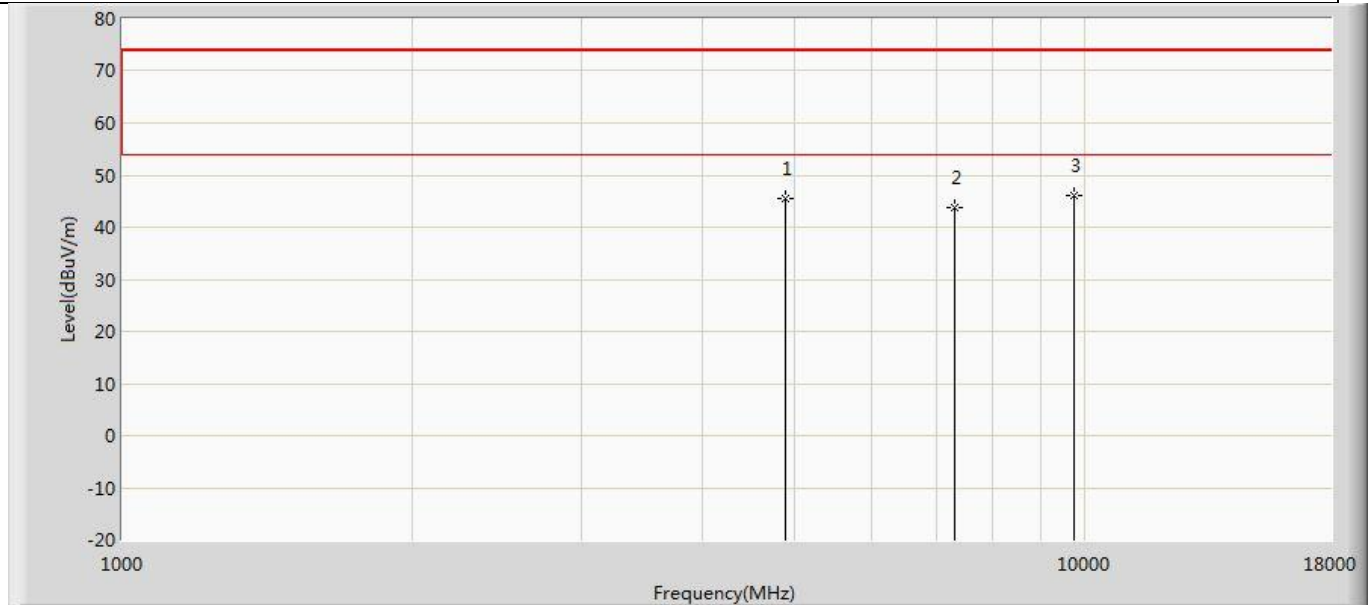
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4844.000	43.133	58.131	-30.867	74.000	-14.997	PK
2		7266.000	44.368	55.129	-29.632	74.000	-10.761	PK
3	*	9688.000	46.879	54.895	-27.121	74.000	-8.016	PK

Profile: 2310083R	Page No.: 93
Engineer: Yuliu	
Site: AC5	Time: 2023/02/07 - 23:56
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Horizontal
EUT: VR All-In-One Headset	Power: By battery
Note: Mode 6 : Transmit at 2437MHz by 802.11ax(40MHz)	



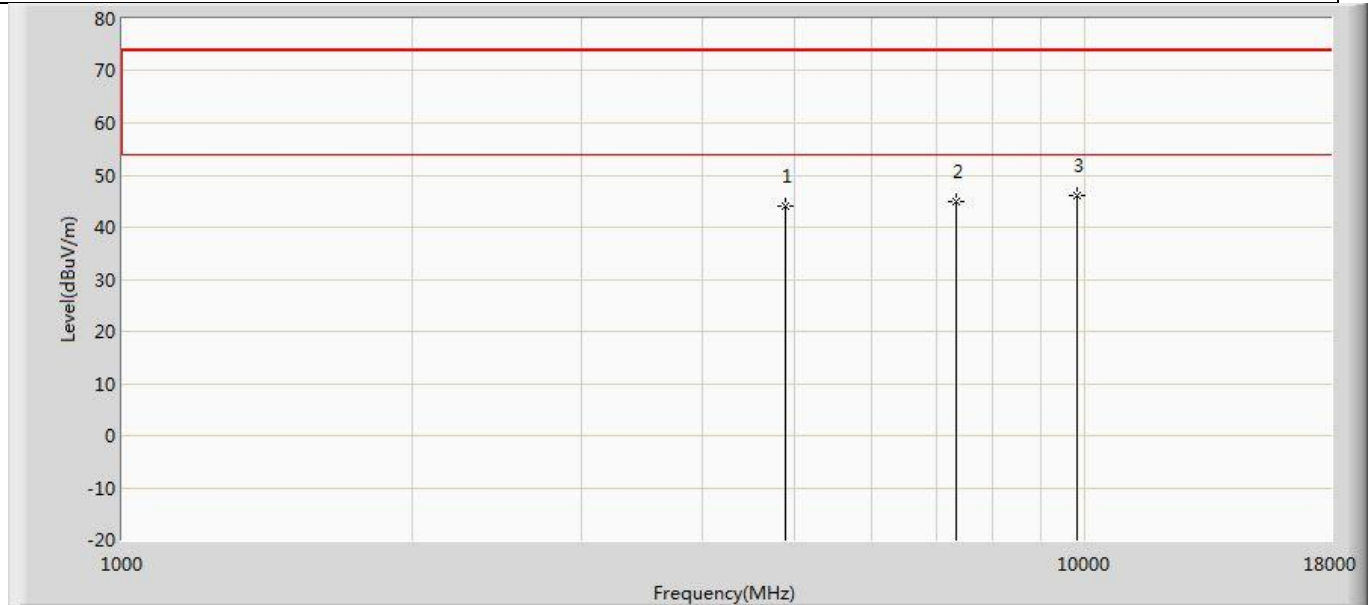
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4893.000	44.221	58.902	-29.779	74.000	-14.680	PK
2		7311.000	43.950	54.795	-30.050	74.000	-10.844	PK
3	*	9748.000	45.688	53.479	-28.312	74.000	-7.791	PK

Profile: 2310083R	Page No.: 94
Engineer: Yuliu	
Site: AC5	Time: 2023/02/07 - 23:56
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Vertical
EUT: VR All-In-One Headset	Power: By battery
Note: Mode 6 : Transmit at 2437MHz by 802.11ax(40MHz)	



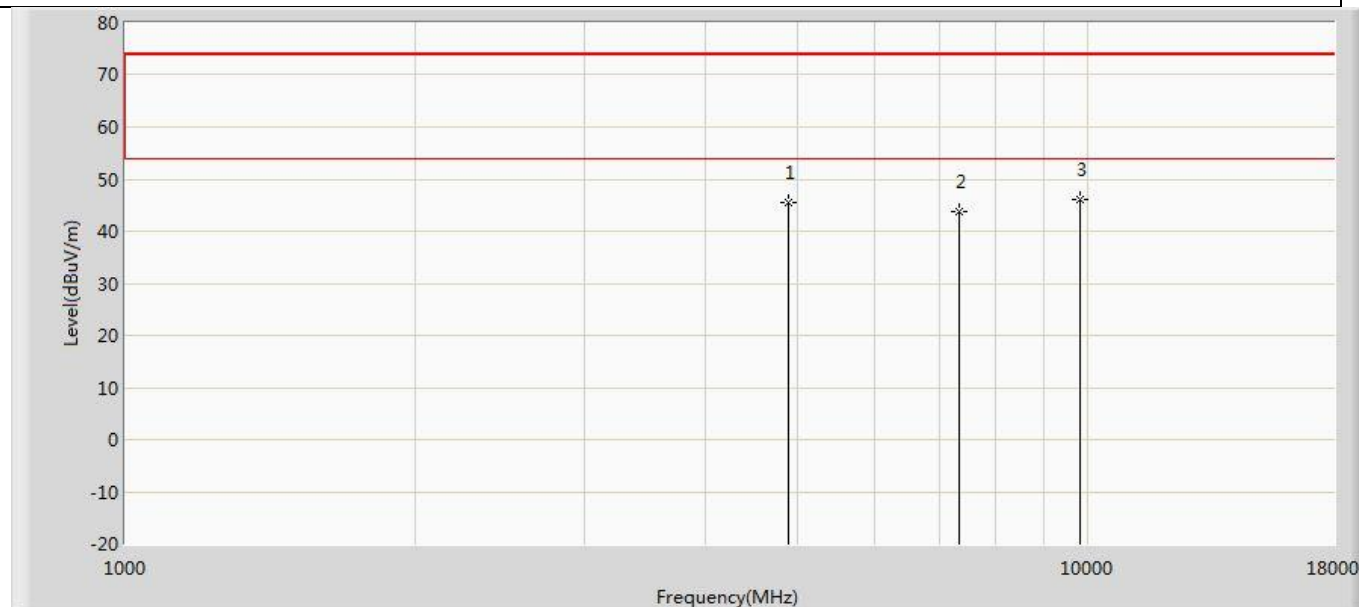
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4876.000	45.625	60.200	-28.375	74.000	-14.575	PK
2		7311.000	43.814	54.659	-30.186	74.000	-10.844	PK
3	*	9748.000	46.074	53.865	-27.926	74.000	-7.791	PK

Profile: 2310083R	Page No.: 95
Engineer: Yuliu	
Site: AC5	Time: 2023/02/07 - 23:56
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Horizontal
EUT: VR All-In-One Headset	Power: By battery
Note: Mode 6 : Transmit at 2452MHz by 802.11ax(40MHz)	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4893.000	44.137	58.818	-29.863	74.000	-14.680	PK
2		7356.000	44.882	55.695	-29.118	74.000	-10.813	PK
3	*	9808.000	46.166	53.749	-27.834	74.000	-7.583	PK

Profile: 2310083R	Page No.: 96
Engineer: Yuliu	
Site: AC5	Time: 2023/02/07 - 23:57
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Vertical
EUT: VR All-In-One Headset	Power: By battery
Note: Mode 6 : Transmit at 2452MHz by 802.11ax(40MHz)	



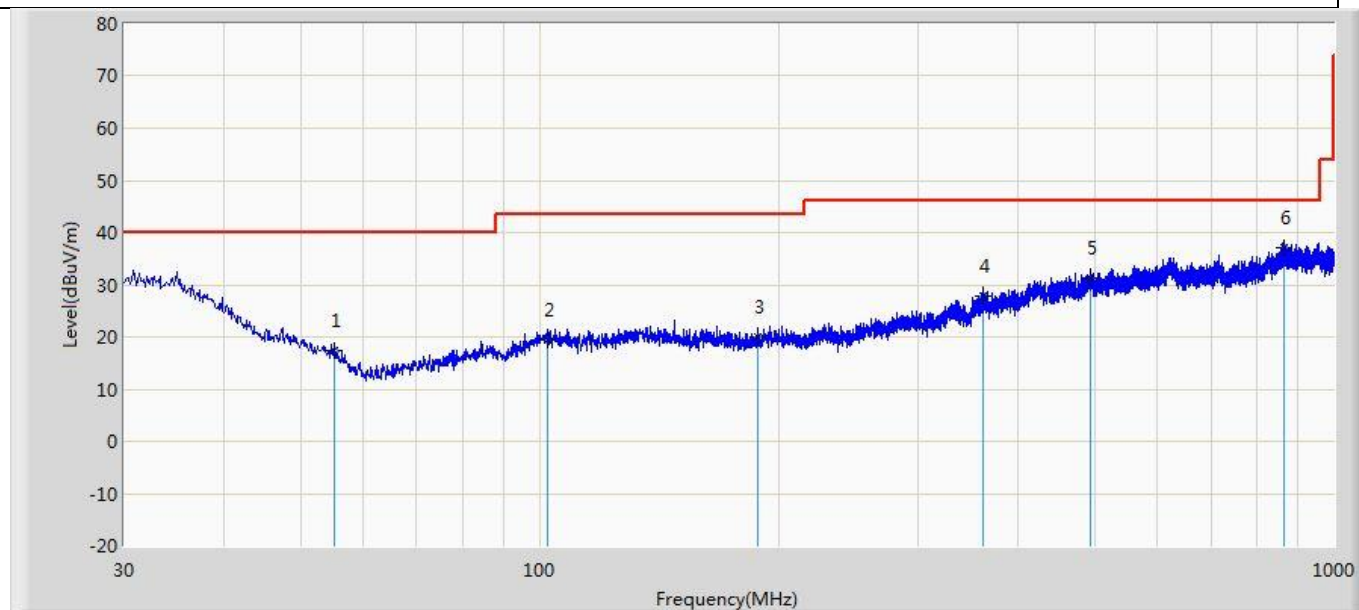
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4893.000	45.568	60.249	-28.432	74.000	-14.680	PK
2		7356.000	43.828	54.641	-30.172	74.000	-10.813	PK
3	*	9808.000	46.185	53.768	-27.815	74.000	-7.583	PK

Note:

1. Measured Level = Reading Level + Factor.
2. The test frequency range, 9kHz~30MHz, worst case are at least 20dB below the limits, therefore no data appear in the report.
3. The test frequency range, 18GHz~26GHz test result on peak is lower than average limit, all is the noise base, therefore no data appear in the report.
4. This limit applies for using average detector, if the test result on peak is lower than average limit, then average measurement needn't be performed.
5. We have evaluated SISO and MIMO mode, shown in the report is the worst data.

The worst case of Radiated Emission below 1GHz:

Profile: 2310083R	Page No.: 133
Engineer: Yuliu	
Site: AC3	Time: 2023/02/08 - 05:29
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: AC3_3M(30-1000M)	Polarity: Horizontal
EUT: VR All-In-One Headset	Power: By battery
Note: Mode 1 : Transmit at 2412MHz by 802.11b	

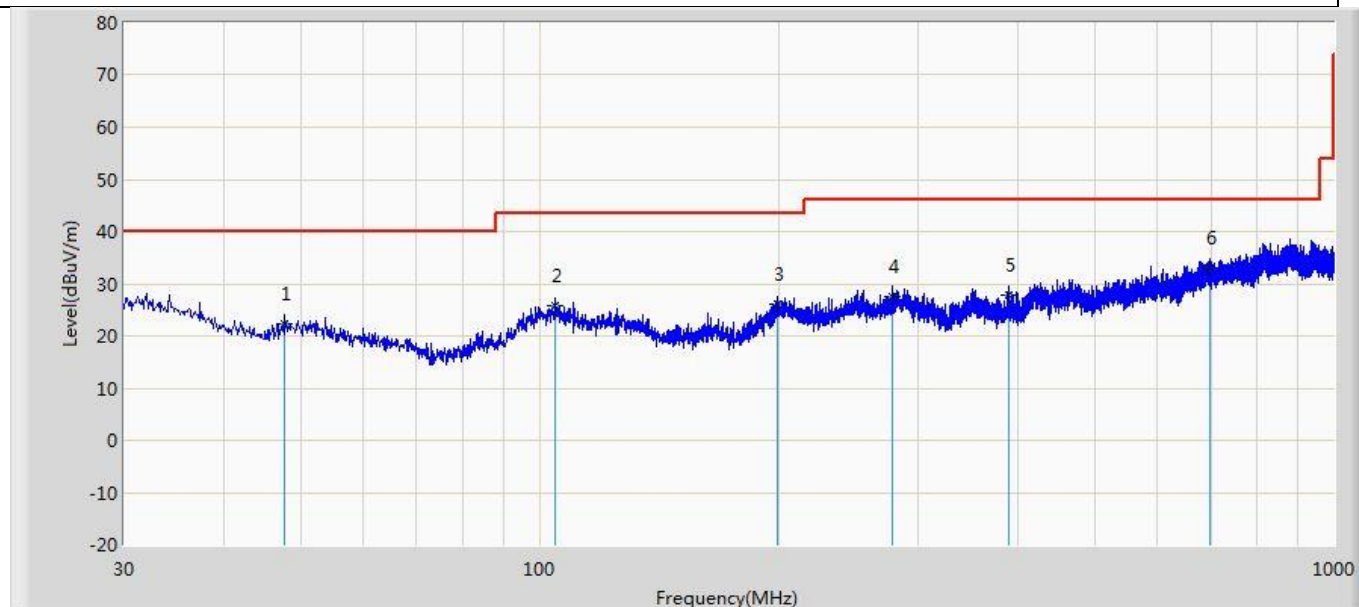


No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		55.220	17.302	3.957	-22.698	40.000	13.345	QP
2		102.144	19.367	2.352	-24.133	43.500	17.015	QP
3		188.474	19.979	2.906	-23.521	43.500	17.073	QP
4		362.225	27.856	3.515	-18.144	46.000	24.341	QP
5		494.630	31.353	3.404	-14.647	46.000	27.949	QP
6	*	865.898	37.141	4.219	-8.859	46.000	32.921	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)

Profile: 2310083R	Page No.: 134
Engineer: Yuliu	
Site: AC3	Time: 2023/02/08 - 05:30
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: AC3_3M(30-1000M)	Polarity: Vertical
EUT: VR All-In-One Headset	Power: By battery
Note: Mode 1 : Transmit at 2412MHz by 802.11b	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		47.824	22.371	3.547	-17.629	40.000	18.824	QP
2		104.811	25.886	3.604	-17.614	43.500	22.282	QP
3		199.023	26.060	2.825	-17.440	43.500	23.235	QP
4		277.592	27.589	3.063	-18.411	46.000	24.526	QP
5		388.900	27.844	3.800	-18.156	46.000	24.044	QP
6	*	698.088	32.954	2.162	-13.046	46.000	30.792	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 End