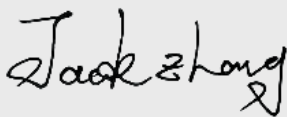


Test report No:
2310083R-RF-US-P06V03

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	2023-03-29
Report Version	V1.0
Report template No	Template_FCC Part 15C-RF-V1.0

INDEX

	page
General conditions	5
Environmental conditions	5
Possible test case verdicts	6
Abbreviations.....	6
Document History.....	7
Remarks and Comments	7
Used Equipment.....	8
Uncertainty	10
1 General Information	11
1.1 General Description of the Item(s).....	11
1.2 Antenna Information	12
1.3 Channel List.....	13
2 Description of Test Setup.....	14
2.1 Operating mode(s) used for tests	14
2.2 Auxiliary equipment / Test software for the EUT	14
2.3 Test Configuration / Block diagram used for tests.....	15
2.4 Testing process	17
3 Verdict summary section.....	18
3.1 Standards	18
3.2 Deviation(s) from the Standard(s) / Test Specification(s).....	18
3.3 Overview of results	19
3.4 Power setting in test	21
3.5 Test Matrix	21
3.6 Test Facility.....	22
4 Test Items Of Limit/Setup/Procedure.....	23
4.1 DTS Bandwidth	23
4.1.1 Limit	23
4.1.2 Test Setup	23
4.1.3 Test Procedure	23
4.2 Occupied Channel Bandwidth	24
4.2.1 Limit	24
4.2.2 Test Setup	24
4.2.3 Test Procedure	24
4.3 Maximum Conducted Output Power.....	25

4.3.1	Limit	25
4.3.2	Test Setup	25
4.3.3	Test Procedure	26
4.4	Maximum Power Spectral Density.....	27
4.4.1	Limit	27
4.4.2	Test Setup	27
4.4.3	Test Procedure	27
4.5	Band Edge Measurements	28
4.5.1	Limit	28
4.5.2	Test Setup	28
4.5.3	Test Procedure	28
4.6	Conducted Spurious Emission	29
4.6.1	Limit	29
4.6.2	Test Setup	29
4.6.3	Test Procedure	29
4.7	Duty cycle	30
4.7.1	Limit	30
4.7.2	Test Setup	30
4.7.3	Test Procedure	30
4.8	Emissions in Restricted Bands	31
4.8.1	Limit	31
4.8.2	Test Setup	33
4.8.3	Test Procedure	34
4.9	AC Power Line Conducted Emission.....	35
4.9.1	Limit	35
4.9.2	Test Setup	35
4.9.3	Test Procedure	35
4.10	Antenna Requirement.....	36
4.10.1	Limit:	36
4.10.2	Antenna Connector Construction:	36
5	Test setup photo and EUT Photo	36
6	Test Result.....	37
	Appendix A: DTS Bandwidth.....	37
	Appendix B: Occupied Channel Bandwidth.....	42
	Appendix C: Maximum conducted output power	47
	Appendix D: Maximum power spectral density.....	48
	Appendix E: Band edge measurements	53



Appendix F: Conducted Spurious Emission	85
Appendix G: Duty Cycle.....	151
Appendix H: Emissions in Restricted Bands.....	156
Appendix I: AC Power Line Conducted Emission.....	182

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)	Mar. 01, 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
Tx	: Transmitter
Rx	: Receiver
N/A	: Not Applicable
N/M	: Not Measured

DOCUMENT HISTORY

Report No.	Version	Description	Issued Date
2310083R-RF-US-P06V03	V1.0	Initial issue of report.	2023-03-29

REMARKS AND COMMENTS

1. The equipment under test (EUT) does meet the essential requirements of the stated standard(s)/test(s).
2. The sample has two type which replace the non-RF circuit material with an equivalent. The different type has evaluated output power and RSE, shown in the report is the worst data which is compliance with CFR 47, FCC Part 15 C ,ANSI C63.10: 2013,RSS-Gen / RSS-247.
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.

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	100906	2022.09.04	2023.09.03
Two-Line V-Network	R&S	ENV216	101189	2022.07.01	2023.06.30
Two-Line V-Network	R&S	ENV216	101044	2022.03.12	2023.03.11
Artificial Mains Network	SCHWARZBECK	NNLK 8129	8129-294	2022.03.05	2023.03.04
Impedance Stabilization Network	Teseq GmbH	ISN T800	57318	2022.03.21	2023.03.20
Impedance Stabilization Network	Teseq GmbH	ISN T8-Cat6	29680	2022.03.16	2023.03.15
50ohm Coaxial Switch	Anritsu	MP59B	6200464462	N/A	N/A
Coaxial Cable	Suhner	RG 223	TR1-C1	2022.03.30	2023.03.29
Temperature/Humidity Meter	RTS	RTS-8S	TR1-TH	2022.07.07	2023.07.06

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	2022.09.17	2023.09.16
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
AC Power Line Conducted Emission	9kHz~150kHz: 2.80dB 150kHz~30MHz: 2.40dB
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
RF antenna conducted test	± 1.27 dB
Radiated Emission Band Edge	± 3.9 dB
DTS Bandwidth	± 150 Hz
Occupied Bandwidth	± 1 kHz
Power Density	± 1.27 dB

1 GENERAL INFORMATION

1.1 General Description of the Item(s)

Product Name	VR All-In-One Headset
Model No.	A7Q10
Trademark	 PICO
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	Bluetooth 5.2					
Operating frequency range(s)	2402~2480MHz					
Type of Modulation	GFSK					
PHYs	☒	LE 1M	☒	LE 2M	☒	LE Coded S=2/8
Data Rate	☒	1Mbit/s	☒	2Mbit/s	☒	500/125 Kbit/s
Number of channel	40					

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:
Adapter model (optional) :	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:.....
Antenna Gain	5.12 dBi		

1.3 Channel List

Bluetooth Working Frequency of Each Channel: (For LE)							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
00	2402 MHz	01	2404 MHz	02	2406 MHz	03	2408 MHz
04	2410 MHz	05	2412 MHz	06	2414 MHz	07	2416 MHz
08	2418 MHz	09	2420 MHz	10	2422 MHz	11	2424 MHz
12	2426 MHz	13	2428 MHz	14	2430 MHz	15	2432 MHz
16	2434 MHz	17	2436 MHz	18	2438 MHz	19	2440 MHz
20	2442 MHz	21	2444 MHz	22	2446 MHz	23	2448 MHz
24	2450 MHz	25	2452 MHz	26	2454 MHz	27	2456 MHz
28	2458 MHz	29	2460 MHz	30	2462 MHz	31	2464 MHz
32	2466 MHz	33	2468 MHz	34	2470 MHz	35	2472 MHz
36	2474 MHz	37	2476 MHz	38	2478 MHz	39	2480 MHz

Note: The General Description of the Item , antenna information and Channel List for the EUT 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 LE_1Mbps
	Mode 2: Transmit by LE_2Mbps
	Mode 3: Transmit by LE_Coded S=8
	Mode 4: Transmit by LE_Coded S=2

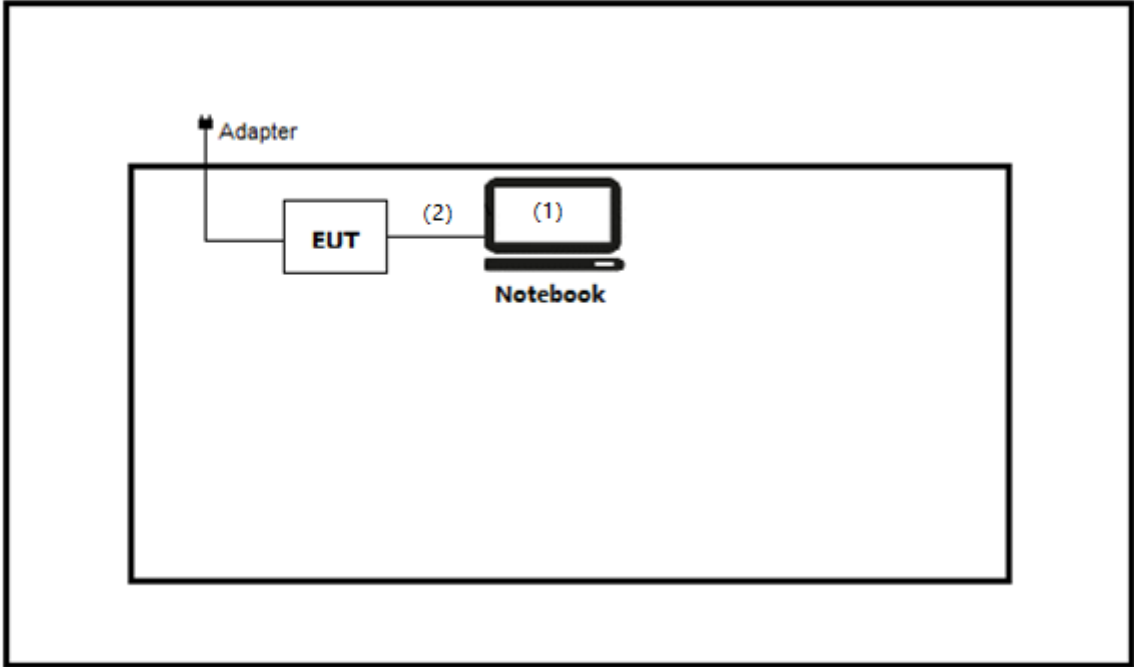
2.2 Auxiliary equipment / Test software for the EUT

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

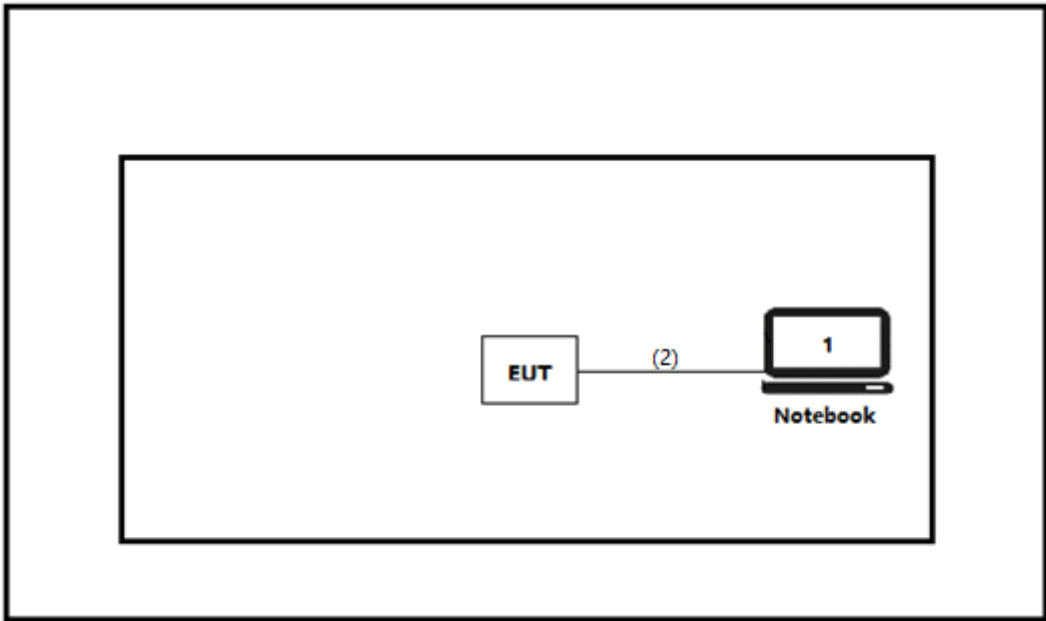
Accessories Information	Cable		
	Length used during test [m]	Attached during test	Shielded
(2)USB Control Cable	1	☒	☒
(3)USB Control Cable	8	☒	☒

2.3 Test Configuration / Block diagram used for tests

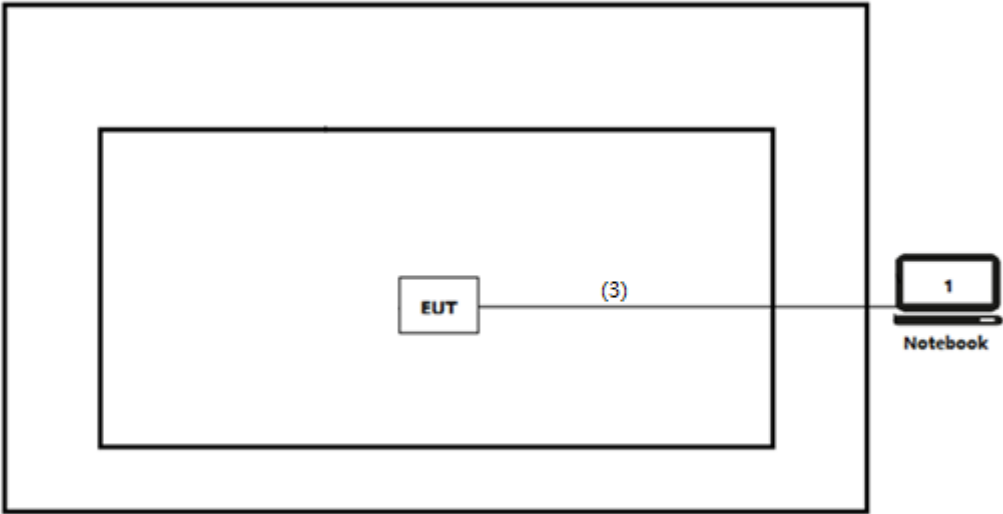
Test setup Diagram- AC Line Conducted Emission Test



Test setup Diagram- Conducted test



Test setup Diagram- Ratiated 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

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
20dB Emission Bandwidth	FCC 15.247(a)(2)	PASS	Test data please refer to Appendix A
Maximum conducted output power	15.247 (b)(3)	PASS	Test data please refer to Appendix C
Maximum power spectral density	FCC 15.247(e)	PASS	Test data please refer to Appendix D
Band edge measurements	FCC 15.247(d) FCC 15.205 FCC 15.209	PASS	Test data please refer to Appendix E
Conducted Spurious Emission	FCC 15.247(d), FCC 15.209	PASS	Test data please refer to Appendix F
Duty cycle	ANSI C63.10:2013	PASS	Test data please refer to Appendix G
Emissions in Restricted Bands	FCC 15.205 FCC 15.209	PASS	Test data please refer to Appendix H
AC Power Line Conducted Emission	FCC 15.207	PASS	Test data please refer to Appendix I
Antenna Requirement	FCC 15.203	PASS	---

Requirement – Test case of ISED	Standard(s)	Verdict	Remark
DTS Bandwidth	RSS-Gen Issue 5 Paragraph 6.7 RSS-247 Issue 2 Paragraph 5.2	PASS	Test data please refer to Appendix A
Occupied Channel Bandwidth	RSS-Gen Issue 5 Paragraph 6.7 RSS-247 Issue 2 Paragraph 5.2	PASS	Test data please refer to Appendix B
Maximum conducted output power	RSS-247 Issue 2 Paragraph 5.4(d)	PASS	Test data please refer to Appendix C
Maximum power spectral density	RSS-247 Issue 2 Paragraph 5.2(b)	PASS	Test data please refer to Appendix D
Band edge measurements	RSS-Gen Issue 5 Paragraph 8.10	PASS	Test data please refer to Appendix E
Conducted Spurious Emission	RSS-247 Issue 2 Paragraph 5.5	PASS	Test data please refer to Appendix F
Duty cycle	ANSI C63.10:2013	PASS	Test data please refer to Appendix G
Emissions in Restricted Bands	RSS-Gen Issue 5 Paragraph 8.9	PASS	Test data please refer to Appendix H
AC Power Line Conducted Emission	RSS-Gen Issue 5 Paragraph 8.8	PASS	Test data please refer to Appendix I
Antenna Requirement	RSS-Gen Issue 5 Paragraph 6.8	PASS	---

3.4 Power setting in test

Mode	Channel	Frequency (MHz)	Power setting
LE_1Mbps	00	2402	PL11
	19	2440	PL11
	39	2480	PL11
LE_2Mbps	00	2402	Default
	19	2440	Default
	39	2480	Default
LE_Coded S=2	00	2402	Default
	19	2440	Default
	39	2480	Default
LE_Coded S=8	00	2402	Default
	19	2440	Default
	39	2480	Default

3.5 Test Matrix

Test item	A7Q10		
	1(#1)	2(#2)	3()
DTS Bandwidth	☒	☐	☐
Occupied Channel Bandwidth	☒	☐	☐
Maximum conducted output power	☒	☐	☐
Maximum power spectral density	☒	☐	☐
Band edge measurements	☐	☒	☐
Conducted Spurious Emission	☒	☐	☐
Duty cycle	☒	☐	☐
Emissions in Restricted Bands	☐	☒	☐
AC Power Line Conducted Emission	☐	☒	☐

3.6 Test Facility

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

4 TEST ITEMS OF LIMIT/SETUP/PROCEDURE

4.1 DTS Bandwidth

VERDICT: PASS

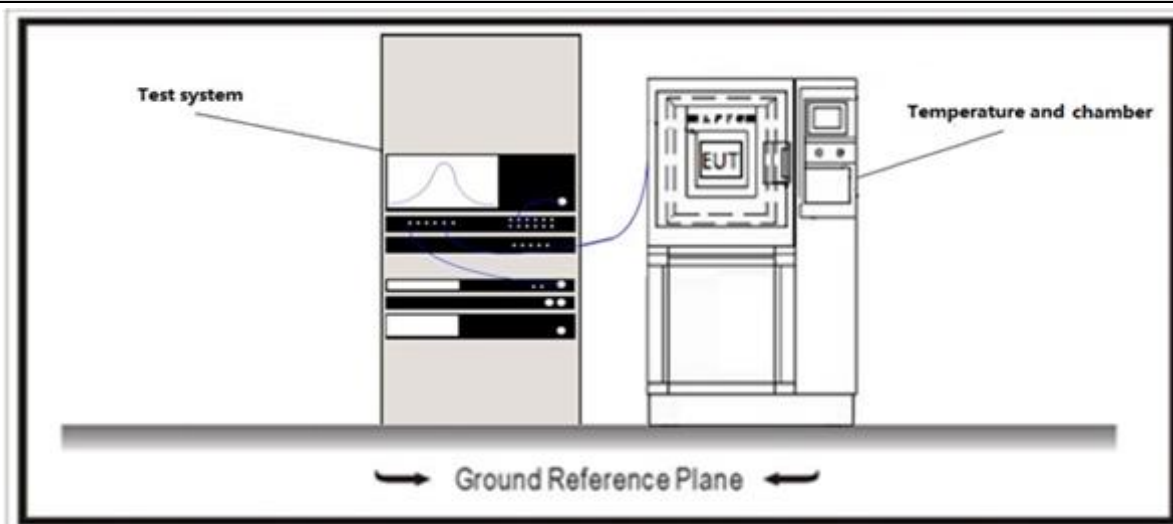
4.1.1 Limit

Standard

FCC Part 15 Subpart C Paragraph 15.247 (a)(2); RSS-247 Issue 2 Paragraph 5.2.

Systems using digital modulation techniques operate in the 2400-2483.5 MHz. The minimum 6 dB bandwidth shall be at least 500 kHz

4.1.2 Test Setup



4.1.3 Test Procedure

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

4.2 Occupied Channel Bandwidth

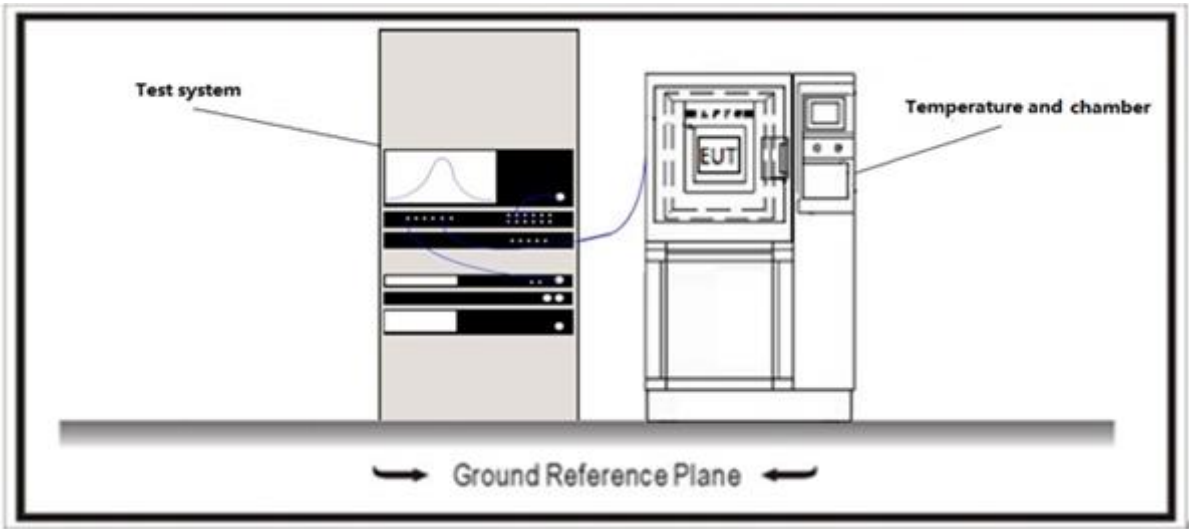
VERDICT: PASS

4.2.1 Limit

Standard	RSS-Gen Issue 5 Paragraph 6.7
----------	-------------------------------

The occupied bandwidth or the “99% emission bandwidth” is defined as the frequency range between two points, one above and the other below the carrier frequency, within which 99% of the total transmitted power of the fundamental transmitted emission is contained. The occupied bandwidth shall be reported for all equipment in addition to the specified bandwidth required in the applicable RSSs

4.2.2 Test Setup



4.2.3 Test Procedure

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

4.3 Maximum Conducted Output Power

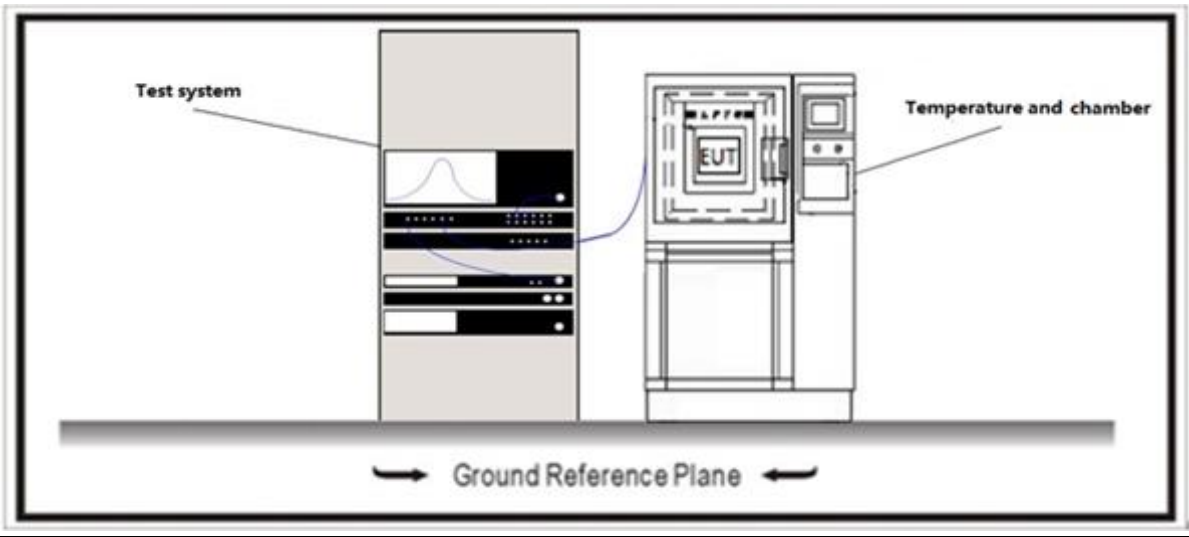
VERDICT: PASS

4.3.1 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

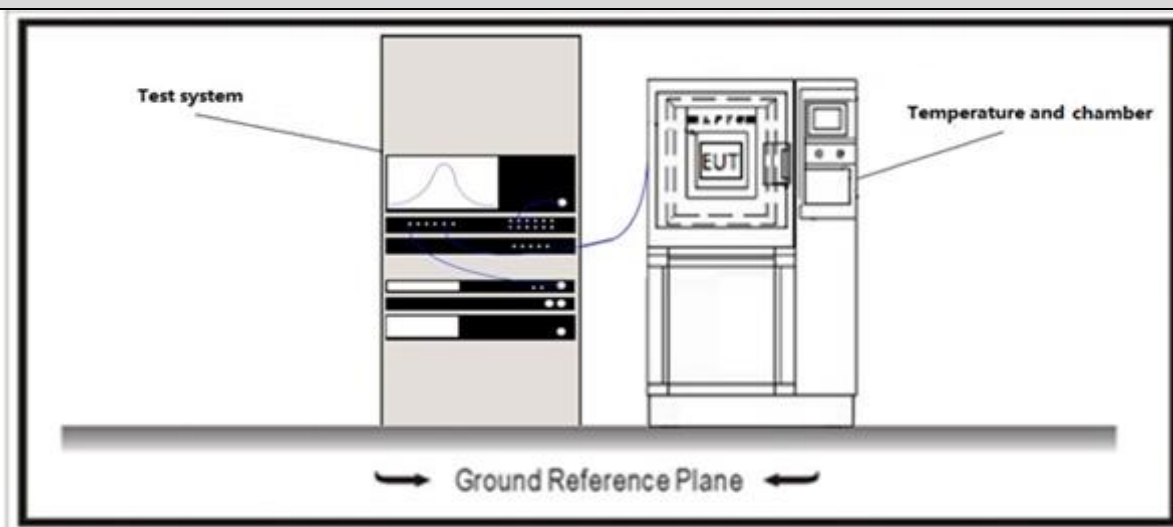
Note 1 : GTX directional gain of transmitting antennas.
Note 2 : Pout is maximum peak conducted output power .

4.3.2 Test Setup



4.3.3 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

4.4 Maximum Power Spectral Density**VERDICT: PASS****4.4.1 Limit****Standard**FCC Part 15 Subpart C Paragraph 15.247 (b)(3);
RSS-247 Issue 2 Paragraph 5.2(b).Power Spectral Density $\leq 8\text{dBm}/3\text{kHz}$ **4.4.2 Test Setup****4.4.3 Test Procedure**

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

4.5 Band Edge Measurements

VERDICT: PASS

4.5.1 Limit

Standard

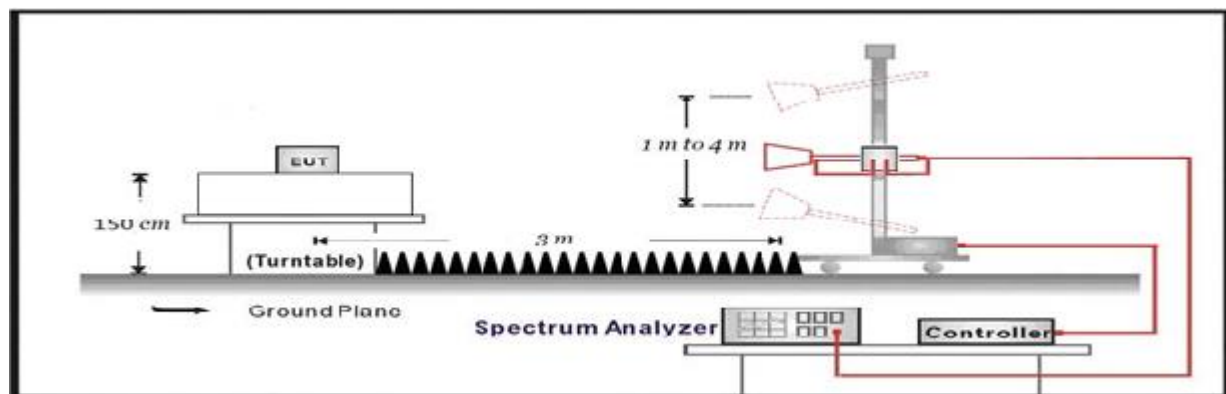
 FCC Part 15 Subpart C Paragraph 15.247(d) , 15.209;
 RSS-Gen Issue 5 Paragraph 8.10.

Frequency bands (MHz)	Detector	Limit (dB μ V/m)	RBW (MHz)	Distance (m)
2310-2390	PK	74	1	3
2483.5-2500	AV	54	1	3

Note: The field strength of emissions appearing within these frequency bands shall not exceed the limits.

4.5.2 Test Setup

Above 1GHz Test Setup:



4.5.3 Test Procedure

	References Rule	Chapter	Description
☒	ANSI C63.10	6.10	Band-edge testing
☒	☒ ANSI C63.10	6.10.5	Restricted-band band-edge measurements
☐	☐ ANSI C63.10	6.10.6	Marker-delta method
☒	ANSI C63.10	11.12	Emissions in restricted frequency bands
☒	☒ ANSI C63.10	11.12.1	Radiated emission measurements
☒	☒ ANSI C63.10	11.12.2.7	Radiated spurious emission test
☐	ANSI C63.10	6.4	Radiated emissions from unlicensed wireless devices below 30 MHz
☐	ANSI C63.10	6.5	Radiated emissions from unlicensed wireless devices in the frequency range of 30 MHz to 1000 MHz
☒	ANSI C63.10	6.6	Radiated emissions from unlicensed wireless devices above 1 GHz

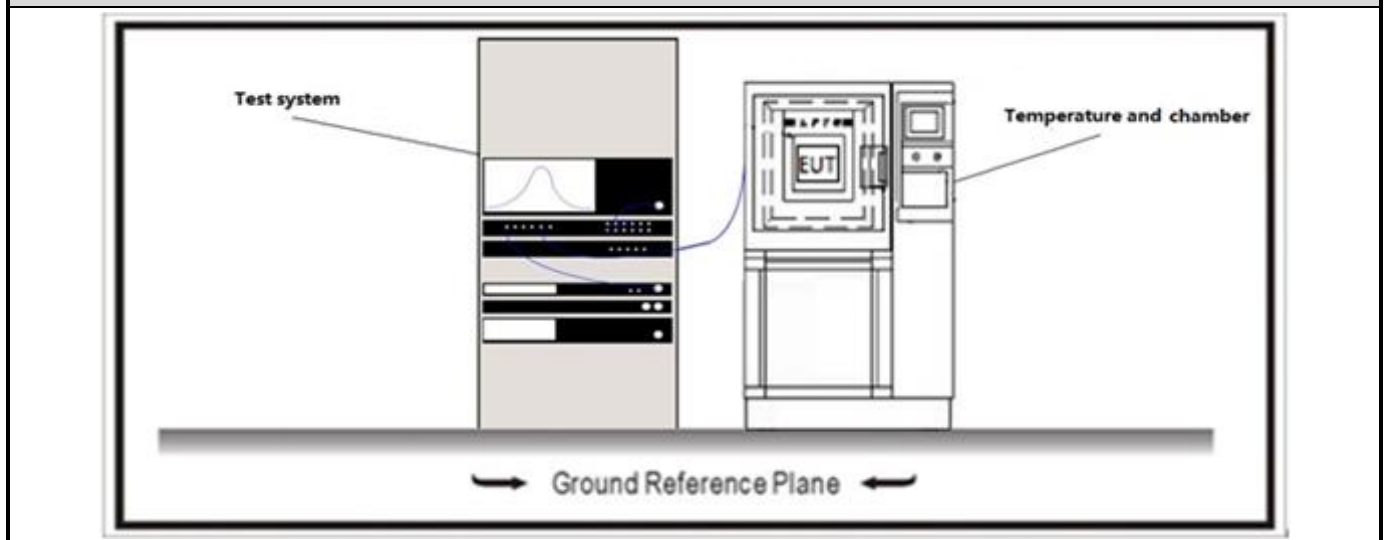
4.6 Conducted Spurious Emission	VERDICT: PASS
--	----------------------

4.6.1 Limit

Standard	FCC Part 15 Subpart C Paragraph 15.247(d); RSS-247 Issue 2 Paragraph 5.5.
RF Output power (Detection methods)	Limit(dB)
RF Output power(Average detector)	30dBc(Note1)
RF Output power(PK detector)	20dBc(Note2)

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

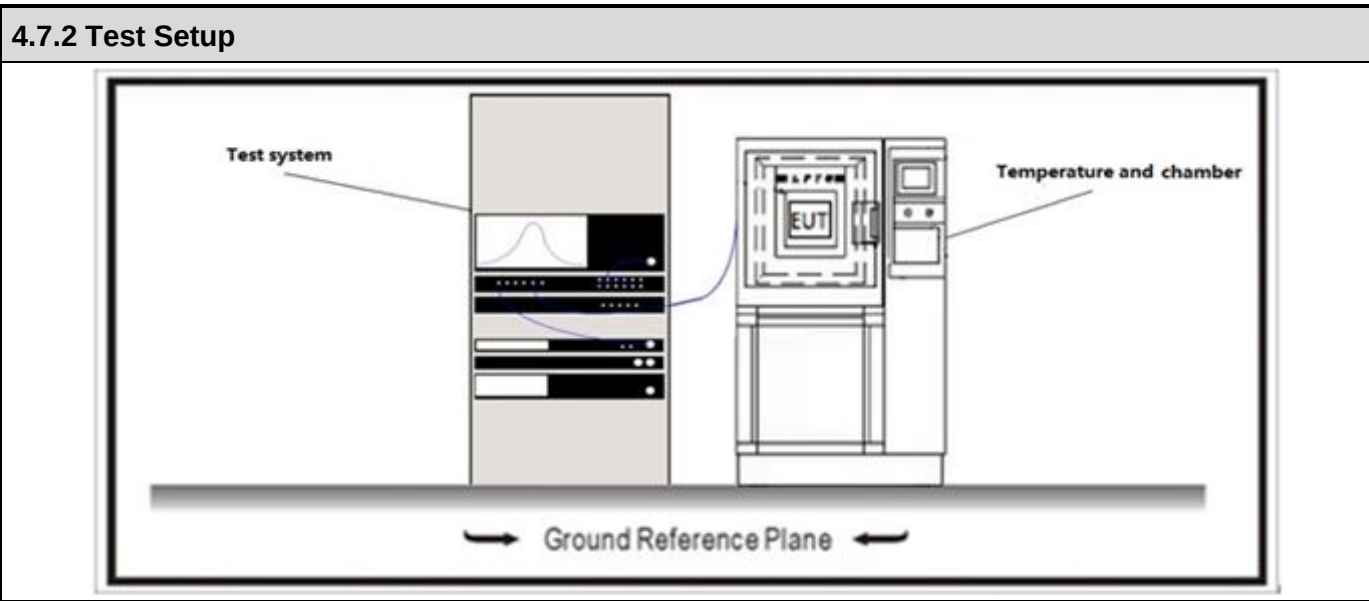
Note 2: If the maximum peak conducted output power procedure was used, then the peak output power measured in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz (i.e., 20 dBc).

4.6.2 Test Setup**4.6.3 Test Procedure**

References Rule	Chapter	Description
☒ ANSI C63.10	11.11	Emissions in non-restricted frequency bands
☒ ANSI C63.10	11.11.1	General
☒ ANSI C63.10	11.11.2	Reference level measurement
☒ ANSI C63.10	11.11.3	Emission level measurement

4.7 Duty cycle	VERDICT: PASS
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4.7.1 Limit
N/A



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

4.8 Emissions in Restricted Bands**VERDICT: PASS****4.8.1 Limit**

Standard	FCC Part 15 Subpart C Paragraph 15.205
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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
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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 (μV/m)	Field strength (dBμV/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)

RSS-Gen Issue 5 Paragraph 8.9.

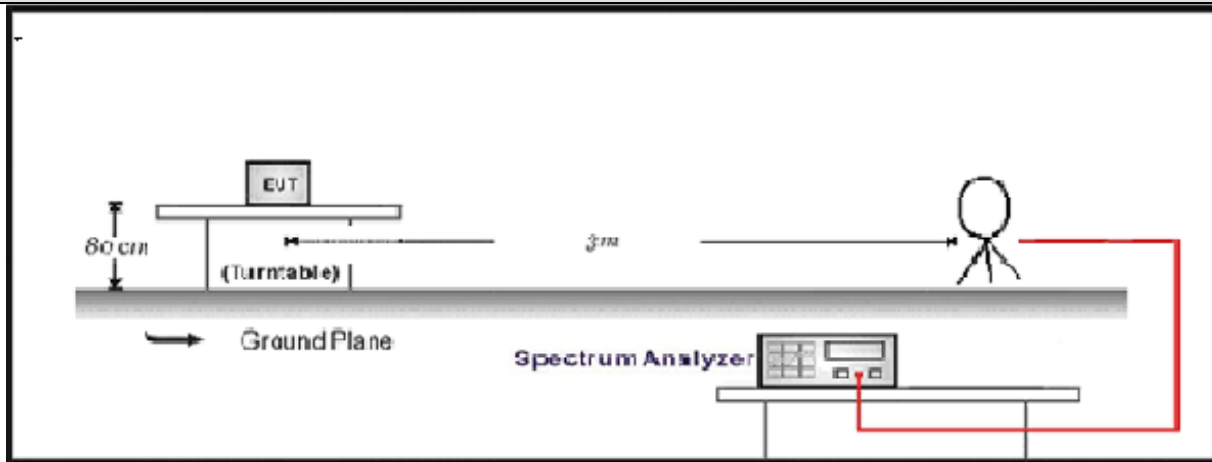
Frequency (MHz)	Field strength	Field strength (dBμV/m)	Measurement distance (m)
0.009 - 0.49	6.37/F(kHz) μA/m	48.5 – 13.8	300 _(Note 1)
0.49 - 1.705	63.7/F(kHz) μA/m	33.8 - 23	30 _(Note 1)
1.705 - 30	30 μV/m	29.5	30 _(Note 1)
30 - 88	100 μV/m	40	3 _(Note 2)
88 - 216	150 μV/m	43.5	3 _(Note 2)
216 - 960	200 μV/m	46	3 _(Note 2)
Above 960	500 μV/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).

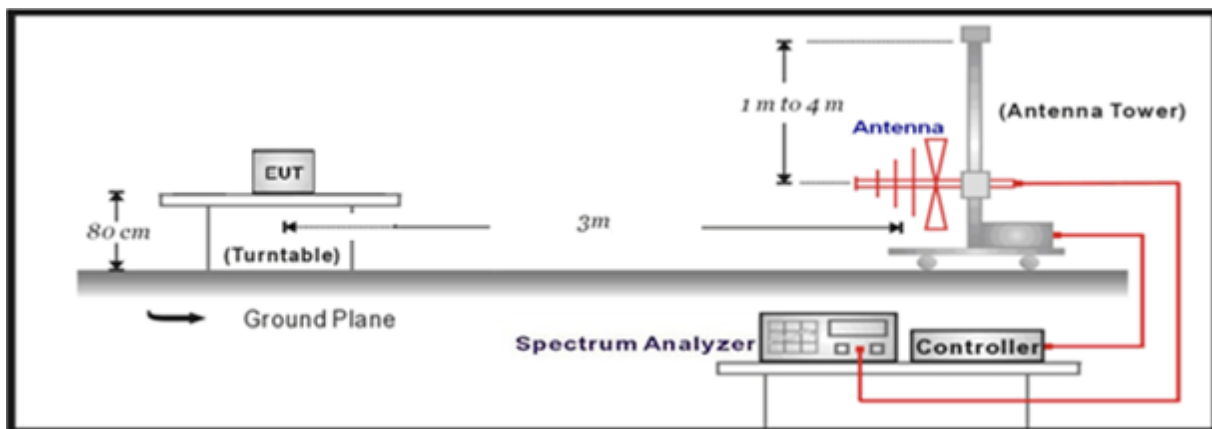
Note 2: At frequencies at or above 30 MHz, measurements may be performed at a distance other than what is specified provided: measurements are not made in the near field except where it can be shown that near field measurements are appropriate due to the characteristics of the device; and it can be demonstrated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

4.8.2 Test Setup

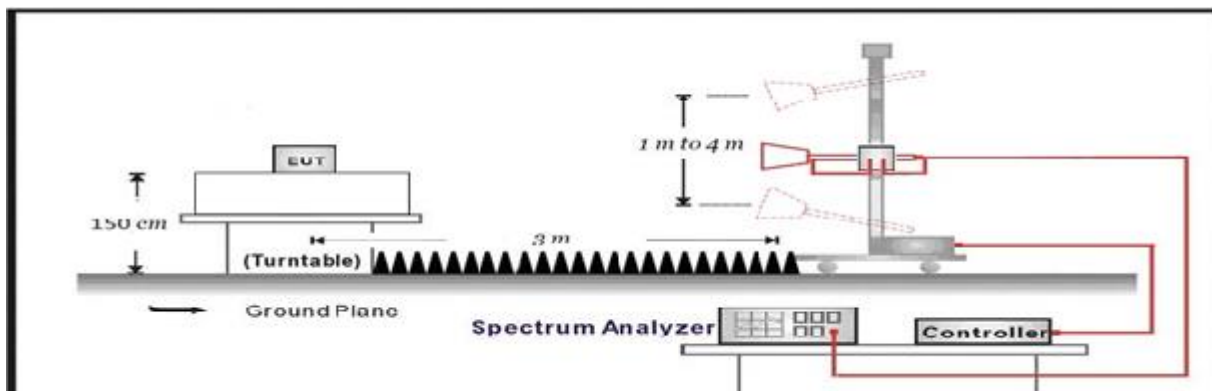
Below 30MHz Test Setup:



30MHz-1GHz Test Setup:



Above 1GHz Test Setup:



4.8.3 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

4.9 AC Power Line Conducted Emission

VERDICT: PASS

4.9.1 Limit

Standard	FCC Part 15 Subpart C Paragraph 15.207 ; RSS-Gen Issue 5 Paragraph 8.8.	
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

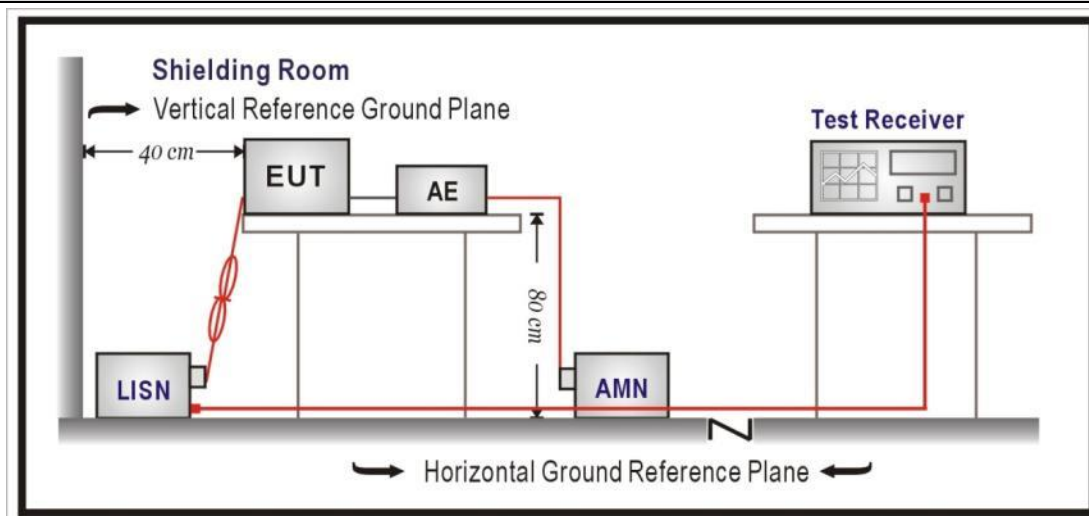
¹⁾ At the transition frequency, the lower limit applies.

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.

4.9.2 Test Setup



4.9.3 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

4.10 Antenna Requirement**VERDICT: PASS****4.10.1 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.	

4.10.2 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.	

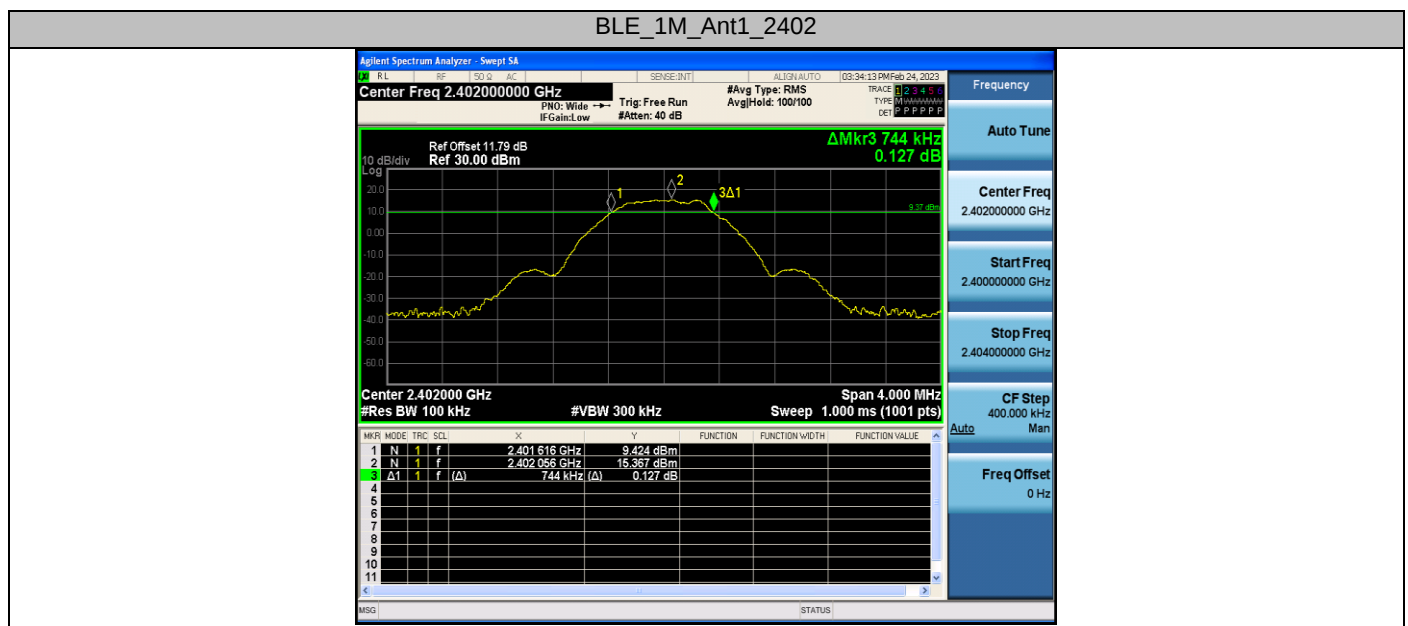
5 TEST SETUP PHOTO AND EUT PHOTO

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

6 TEST RESULT

Appendix A: DTS Bandwidth

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
Mode 1	Ant1	2402	0.744	2401.616	2402.360	0.5	PASS
		2440	0.748	2439.616	2440.364	0.5	PASS
		2480	0.748	2479.616	2480.364	0.5	PASS
Mode 2	Ant1	2402	1.120	2401.448	2402.568	0.5	PASS
		2440	1.140	2439.440	2440.580	0.5	PASS
		2480	1.232	2479.372	2480.604	0.5	PASS
Mode 3	Ant1	2402	0.644	2401.680	2402.324	0.5	PASS
		2440	0.672	2439.676	2440.348	0.5	PASS
		2480	0.668	2479.676	2480.344	0.5	PASS
Mode 4	Ant1	2402	0.680	2401.664	2402.344	0.5	PASS
		2440	0.652	2439.676	2440.328	0.5	PASS
		2480	0.628	2479.688	2480.316	0.5	PASS



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480



BLE_2M_Ant1_2402



BLE_2M_Ant1_2440



BLE_2M_Ant1_2480



BLE_500K_Ant1_2402



BLE_500K_Ant1_2440



BLE_500K_Ant1_2480



BLE_125K_Ant1_2402



BLE_125K_Ant1_2440

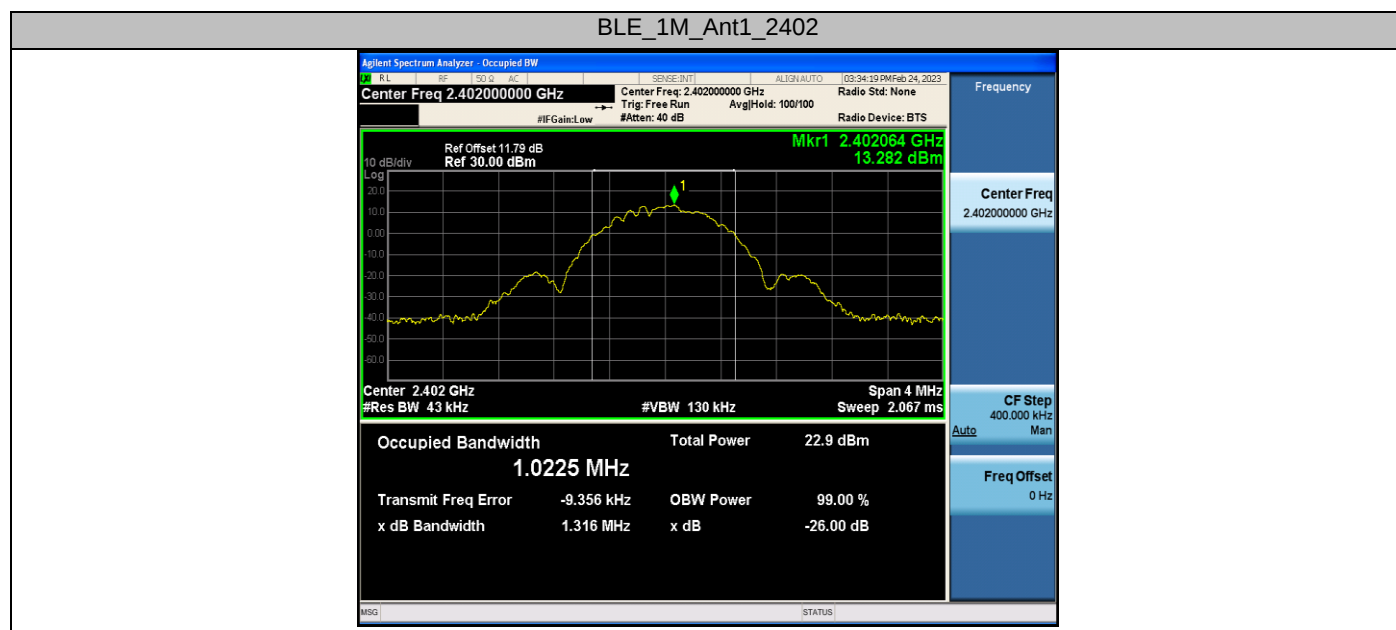


BLE_125K_Ant1_2480



Appendix B: Occupied Channel Bandwidth

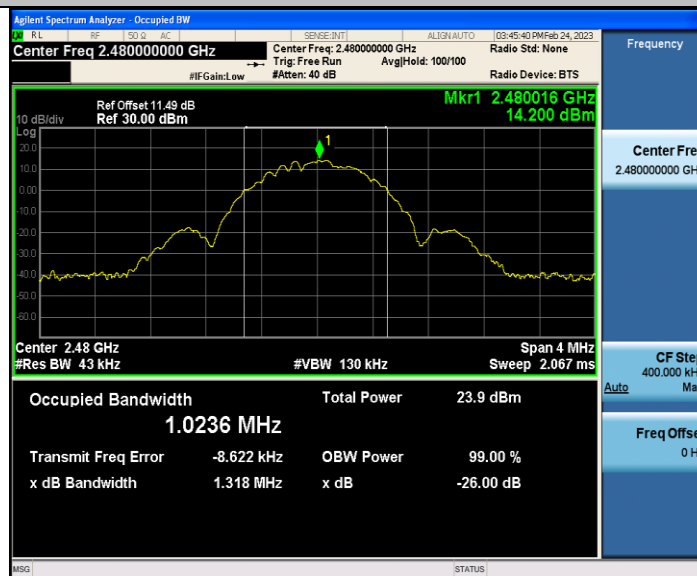
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Verdict
Mode 1	Ant1	2402	1.0225	2401.4794	2402.5019	---
		2440	1.0233	2439.4799	2440.5032	---
		2480	1.0236	2479.4796	2480.5032	---
Mode 2	Ant1	2402	2.0086	2401.0271	2403.0357	---
		2440	2.0146	2439.0055	2441.0201	---
		2480	1.9909	2479.0170	2481.0079	---
Mode 3	Ant1	2402	1.0213	2401.4894	2402.5107	---
		2440	1.0082	2439.4969	2440.5051	---
		2480	1.0240	2479.4896	2480.5136	---
Mode 4	Ant1	2402	1.0484	2401.4763	2402.5247	---
		2440	1.0480	2439.4757	2440.5237	---
		2480	1.0489	2479.4740	2480.5229	---



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480



BLE_2M_Ant1_2402



BLE_2M_Ant1_2440



BLE_2M_Ant1_2480



BLE_500K_Ant1_2402



BLE_500K_Ant1_2440



BLE_500K_Ant1_2480



BLE_125K_Ant1_2402



BLE_125K_Ant1_2440



BLE_125K_Ant1_2480



Appendix C: Maximum conducted output power

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	EIRP[dBm]	EIRP Limit[dBm]	Verdict
Mode 1	Ant1	2402	17.32	≤30	22.44	≤36	PASS
		2440	18.1	≤30	23.22	≤36	PASS
		2480	18.21	≤30	23.33	≤36	PASS
Mode 2	Ant1	2402	11.69	≤30	16.81	≤36	PASS
		2440	12.41	≤30	17.53	≤36	PASS
		2480	12.64	≤30	17.76	≤36	PASS
Mode 3	Ant1	2402	11.54	≤30	16.66	≤36	PASS
		2440	12.05	≤30	17.17	≤36	PASS
		2480	12.13	≤30	17.25	≤36	PASS
Mode 4	Ant1	2402	11.68	≤30	16.80	≤36	PASS
		2440	12.38	≤30	17.5	≤36	PASS
		2480	12.45	≤30	17.57	≤36	PASS

Appendix D: Maximum power spectral density

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
Mode 1	Ant1	2402	-0.84	≤8.00	PASS
		2440	-0.08	≤8.00	PASS
		2480	0.05	≤8.00	PASS
Mode 2	Ant1	2402	-6.17	≤8.00	PASS
		2440	-5.36	≤8.00	PASS
		2480	-5.07	≤8.00	PASS
Mode 3	Ant1	2402	5.16	≤8.00	PASS
		2440	5.83	≤8.00	PASS
		2480	5.94	≤8.00	PASS
Mode 4	Ant1	2402	5.08	≤8.00	PASS
		2440	5.61	≤8.00	PASS
		2480	5.72	≤8.00	PASS

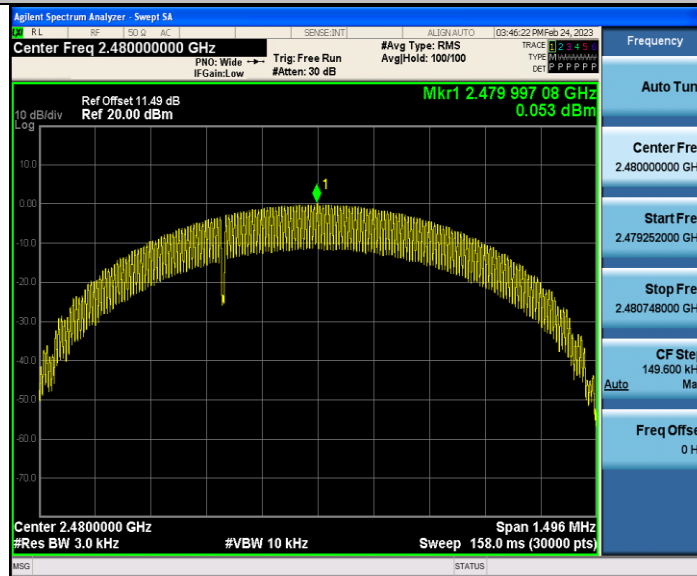
BLE_1M_Ant1_2402



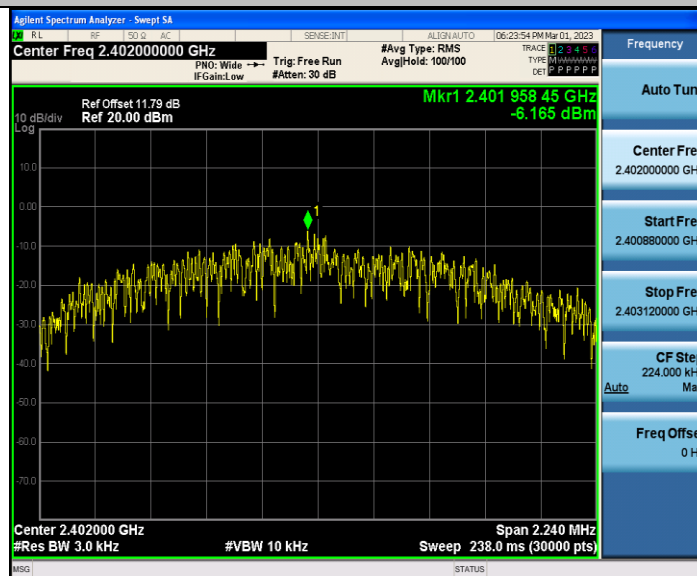
BLE_1M_Ant1_2440



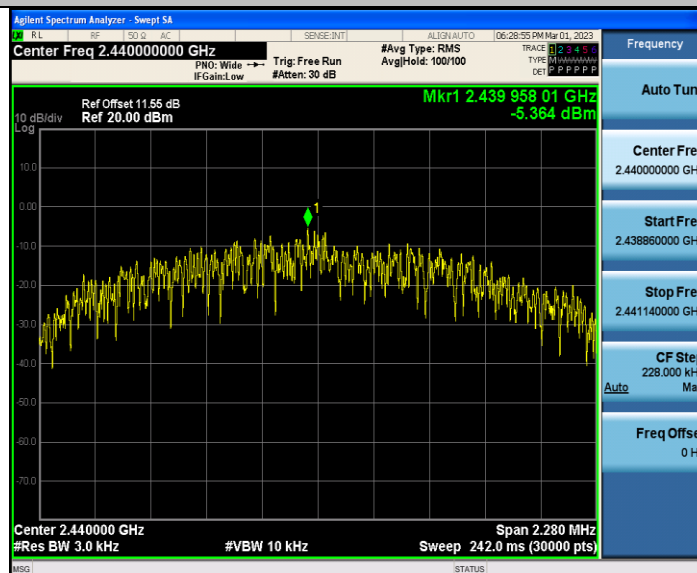
BLE_1M_Ant1_2480



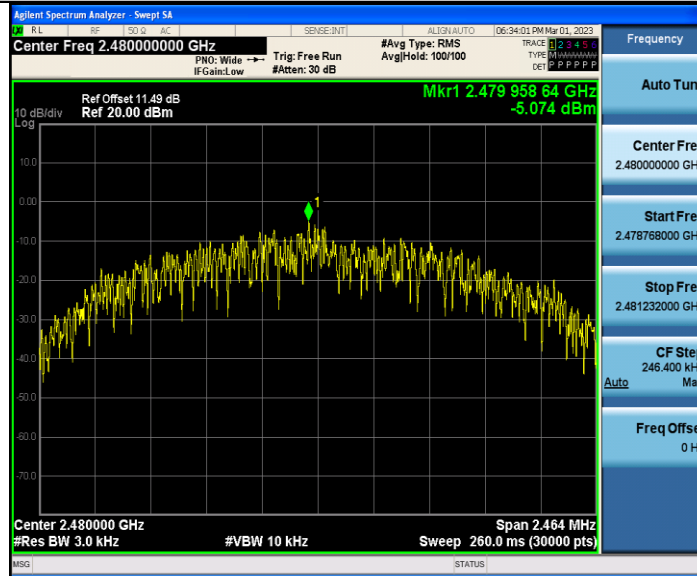
BLE_2M_Ant1_2402



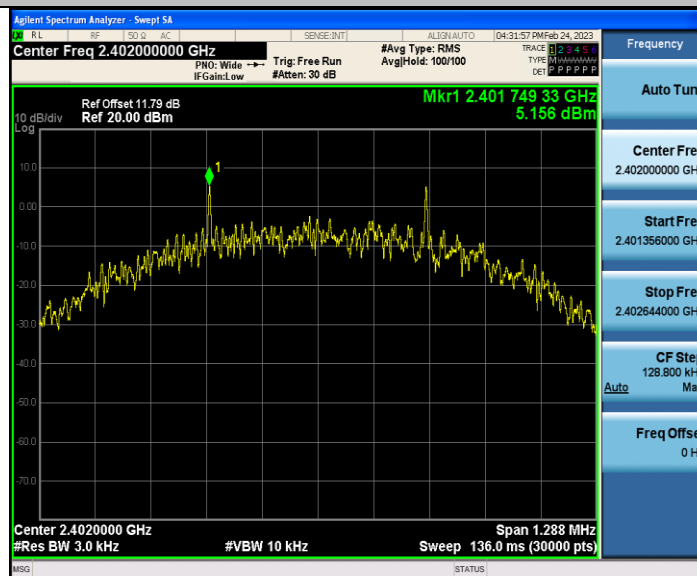
BLE_2M_Ant1_2440



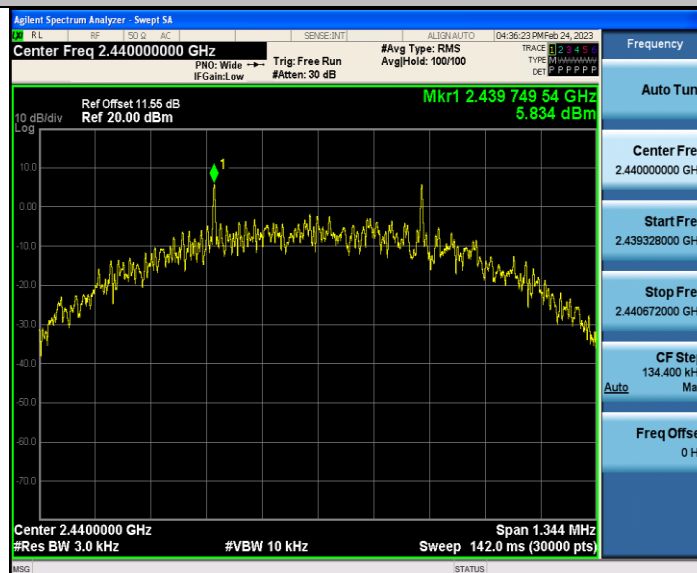
BLE_2M_Ant1_2480



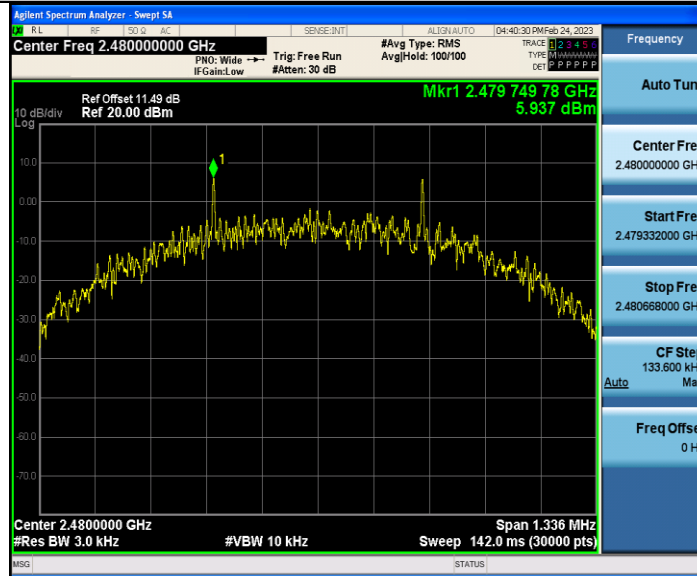
BLE_500K_Ant1_2402



BLE_500K_Ant1_2440



BLE_500K_Ant1_2480



BLE_125K_Ant1_2402



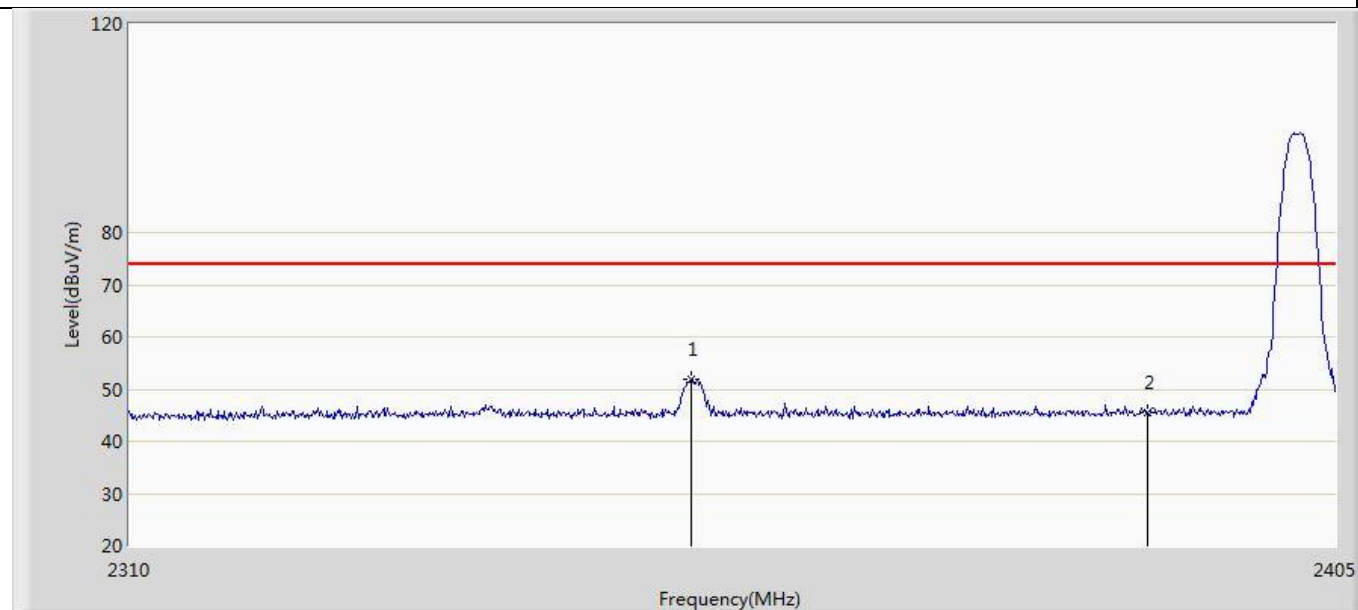
BLE_125K_Ant1_2440





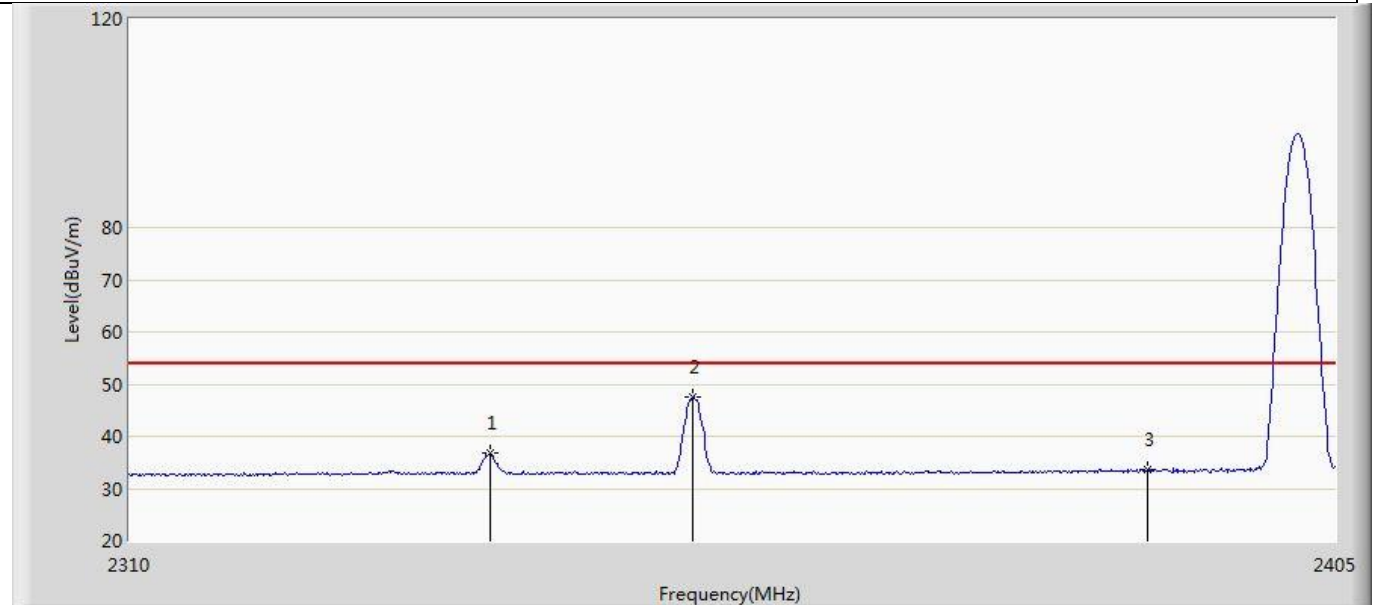
Appendix E: Band edge measurements

Profile: 2310083R	Page No.: 1
Engineer: Yuliu	
Site: AC5	Time: 2023/02/14 - 20:03
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 2402MHz by LE_1Mbps	



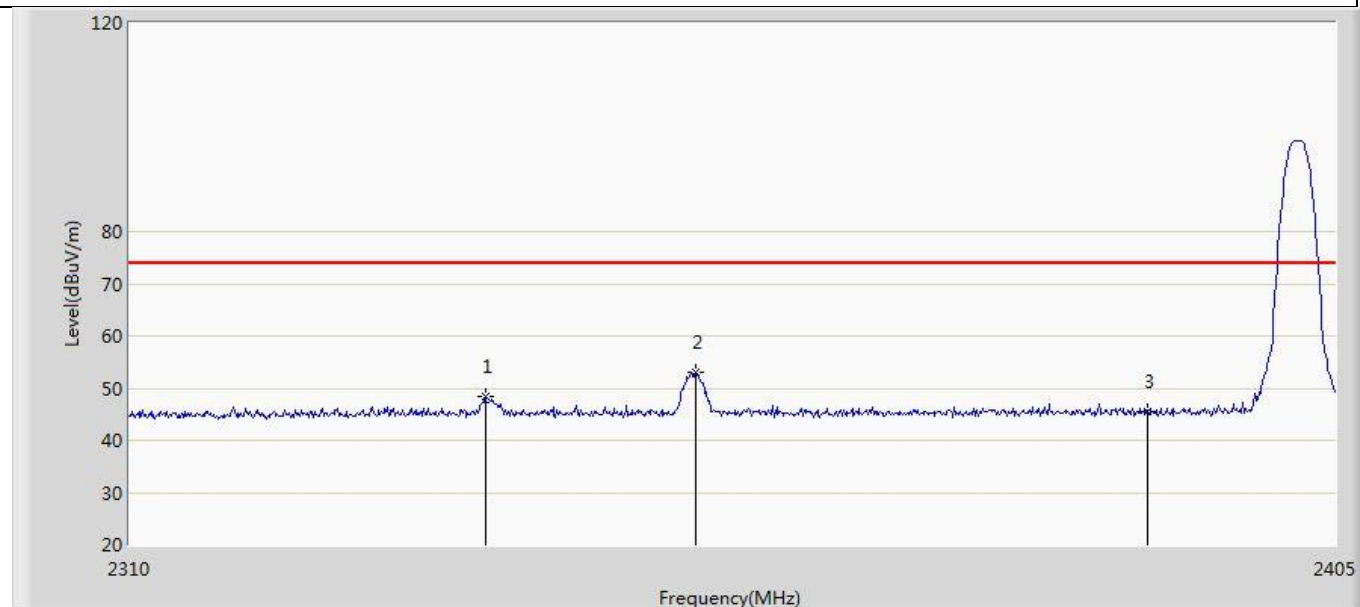
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2353.795	51.969	17.994	-22.031	74.000	33.975	PK
2		2390.000	45.384	11.300	-28.616	74.000	34.084	PK

Profile: 2310083R	Page No.: 2
Engineer: Yuliu	
Site: AC5	Time: 2023/02/14 - 20:11
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 2402MHz by LE_1Mbps	



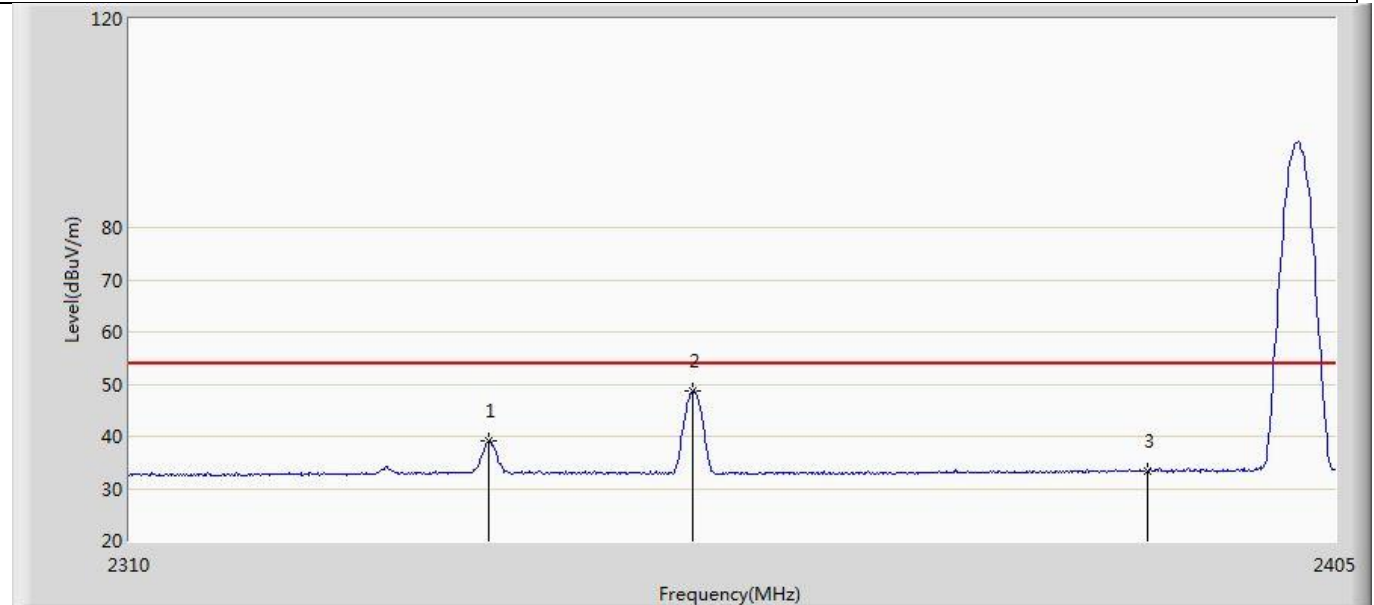
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2338.025	36.716	2.760	-17.284	54.000	33.956	AV
2	*	2353.985	47.587	13.613	-6.413	54.000	33.974	AV
3		2390.000	33.559	-0.525	-20.441	54.000	34.084	AV

Profile: 2310083R	Page No.: 3
Engineer: Yuliu	
Site: AC5	Time: 2023/02/14 - 20:12
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 2402MHz by LE_1Mbps	



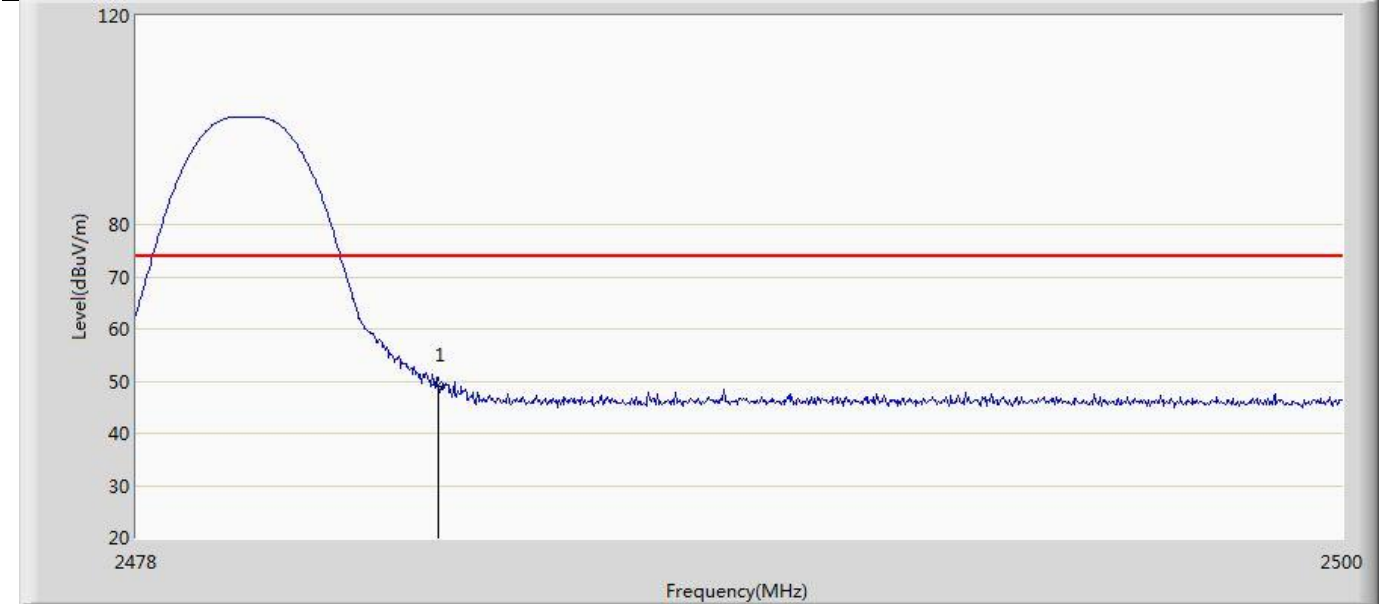
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2337.645	48.521	14.568	-25.479	74.000	33.953	PK
2	*	2354.175	52.915	18.941	-21.085	74.000	33.974	PK
3		2390.000	45.622	11.538	-28.378	74.000	34.084	PK

Profile: 2310083R	Page No.: 4
Engineer: Yuliu	
Site: AC5	Time: 2023/02/14 - 20:13
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 2402MHz by LE_1Mbps	



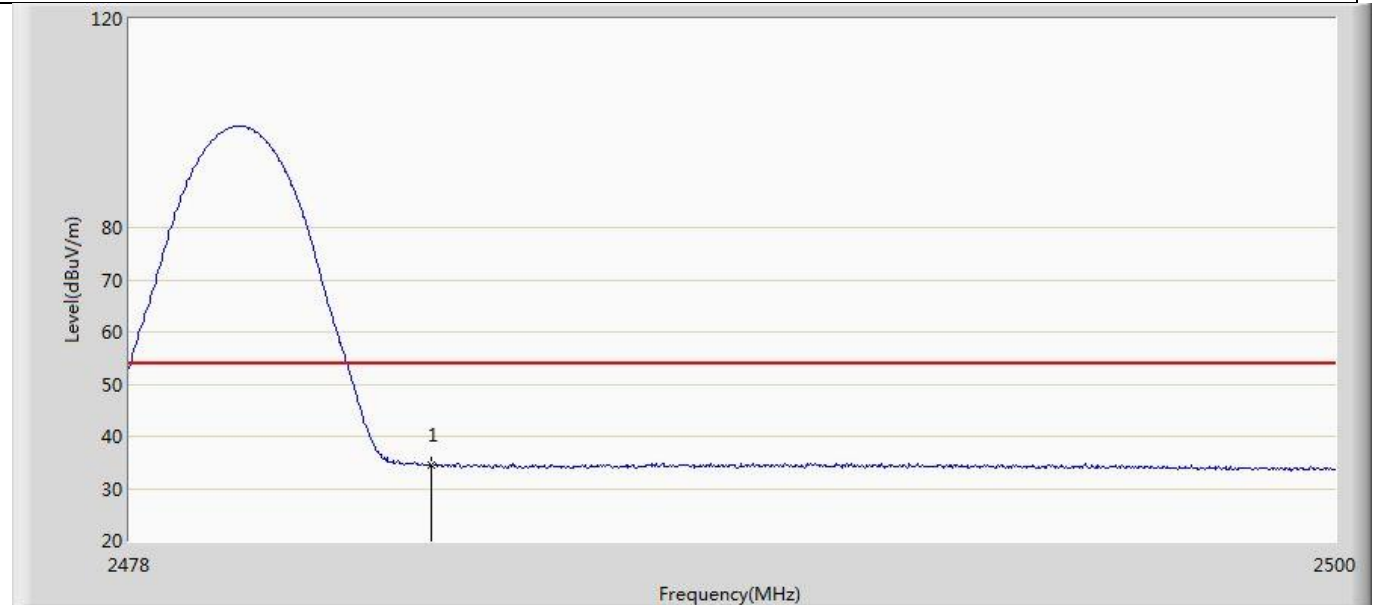
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2337.930	39.193	5.238	-14.807	54.000	33.955	AV
2	*	2353.890	48.703	14.729	-5.297	54.000	33.975	AV
3		2390.000	33.417	-0.667	-20.583	54.000	34.084	AV

Profile: 2310083R	Page No.: 5
Engineer: Yuliu	
Site: AC5	Time: 2023/02/14 - 20:14
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 2480MHz by LE_1Mbps	



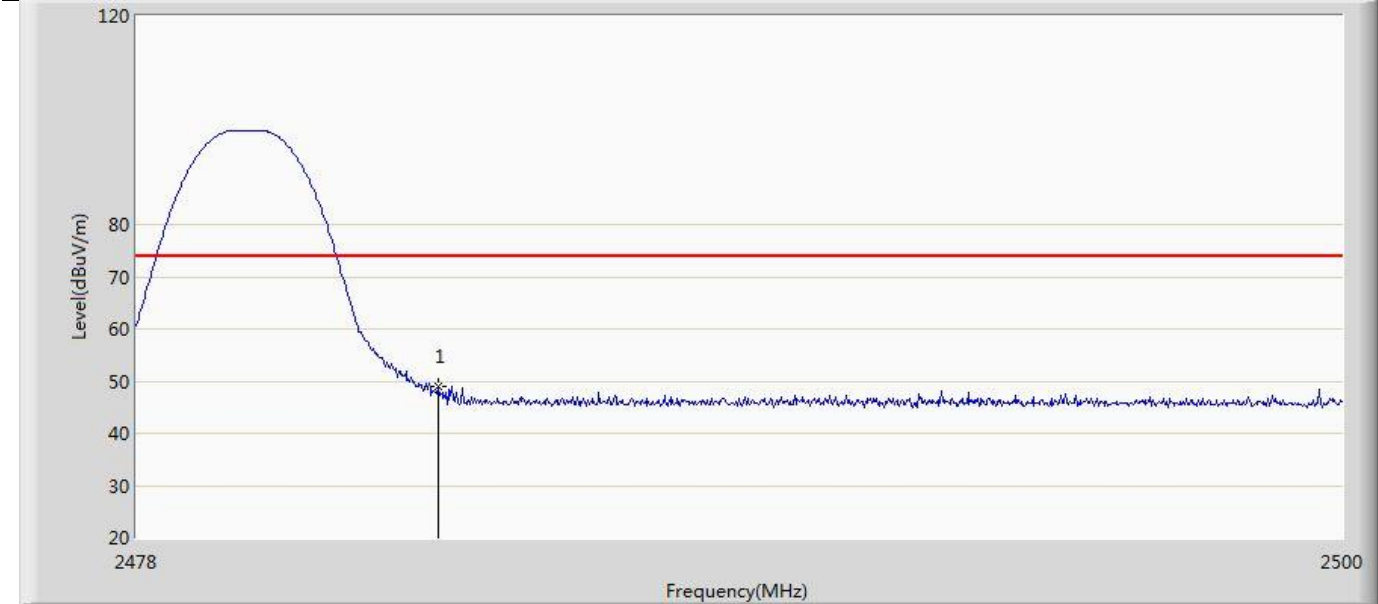
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2483.500	49.356	14.865	-24.644	74.000	34.491	PK

Profile: 2310083R	Page No.: 6
Engineer: Yuliu	
Site: AC5	Time: 2023/02/14 - 20:16
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 2480MHz by LE_1Mbps	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2483.500	34.380	-0.111	-19.620	54.000	34.491	AV

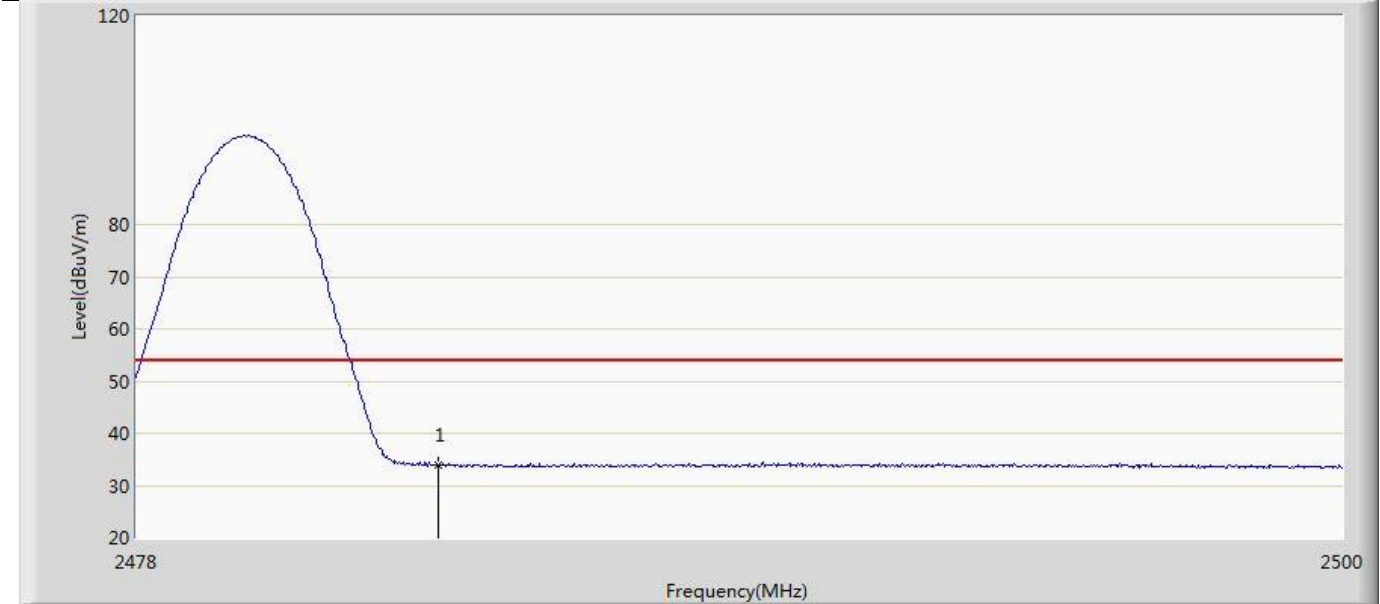
Profile: 2310083R	Page No.: 7
Engineer: Yuliu	
Site: AC5	Time: 2023/02/14 - 20:17
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Vertical
EUT: VR All-In-One Headset	Power: By battery
Note: Mode 1 : Transmit at 2480MHz by LE_1Mbps	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2483.500	49.040	14.549	-24.960	74.000	34.491	PK

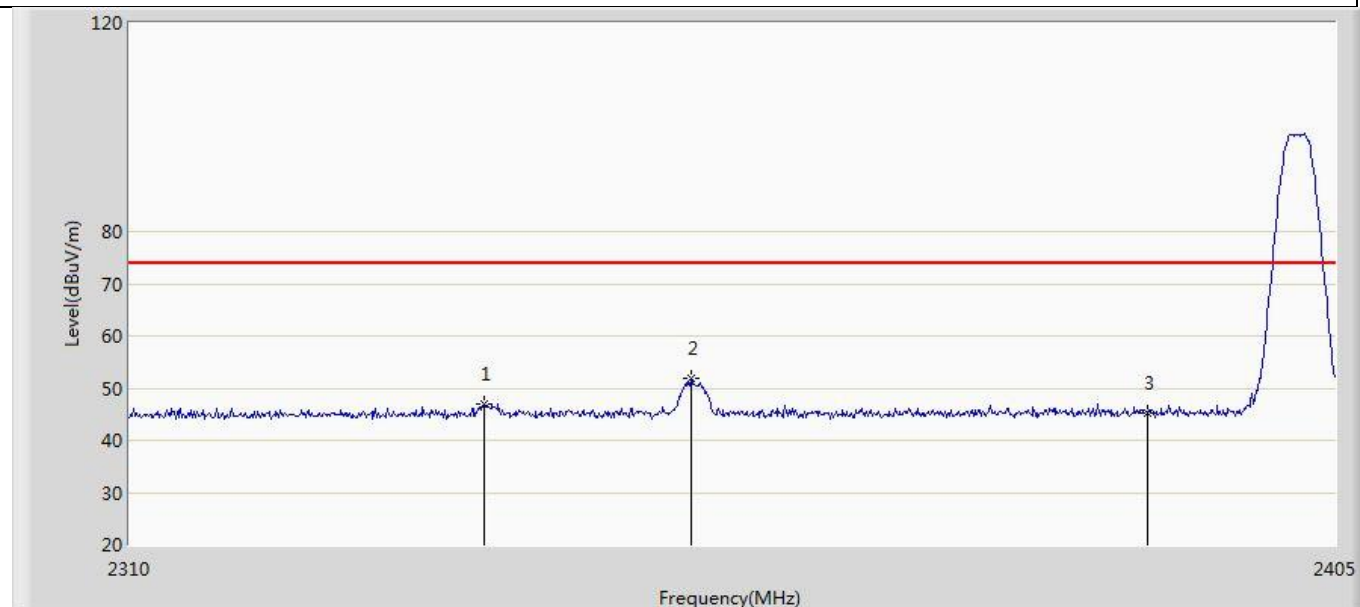


Profile: 2310083R	Page No.: 8
Engineer: Yuliu	
Site: AC5	Time: 2023/02/14 - 20:18
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Vertical
EUT: VR All-In-One Headset	Power: By battery
Note: Mode 1 : Transmit at 2480MHz by LE_1Mbps	



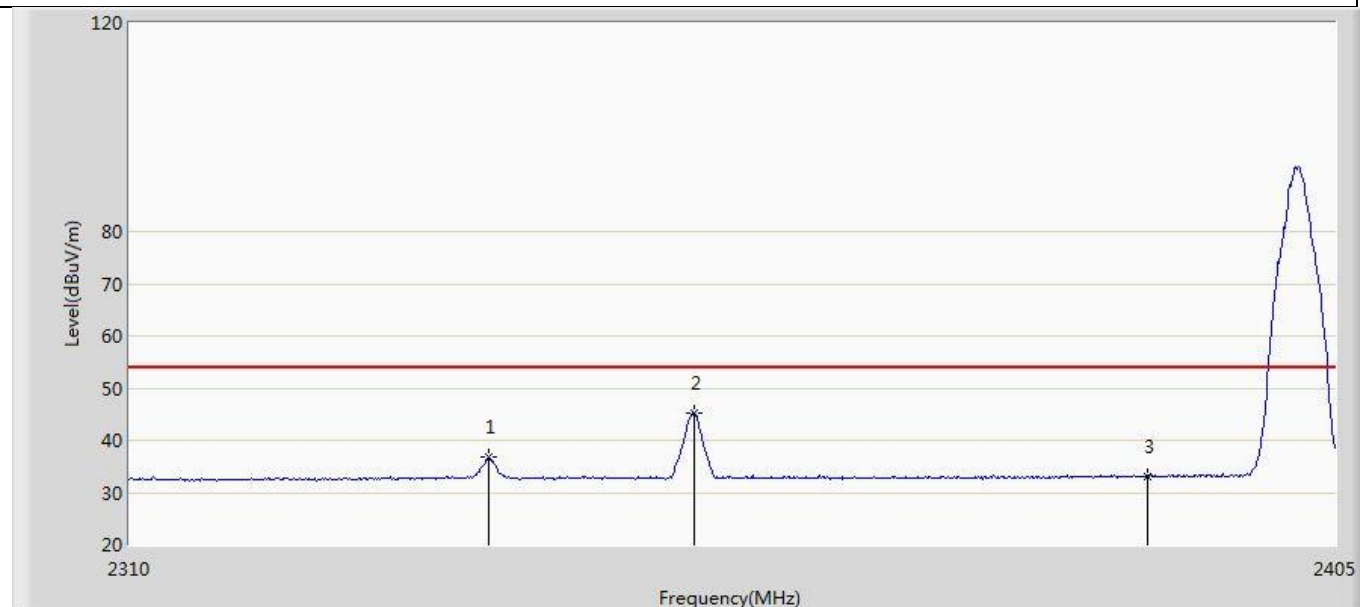
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2483.500	33.961	-0.530	-20.039	54.000	34.491	AV

Profile: 2310083R	Page No.: 9
Engineer: Yuliu	
Site: AC5	Time: 2023/02/14 - 20:19
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 2402MHz by LE_2Mbps	



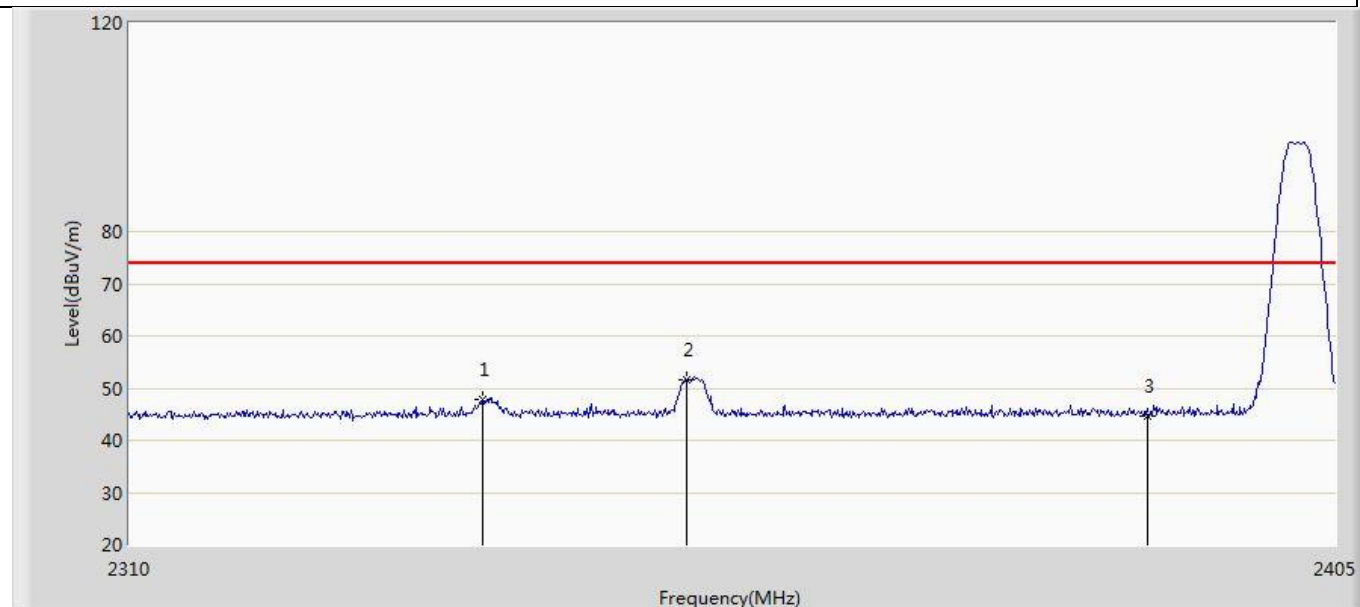
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2337.550	46.969	13.017	-27.031	74.000	33.952	PK
2	*	2353.795	51.972	17.997	-22.028	74.000	33.975	PK
3		2390.000	45.238	11.154	-28.762	74.000	34.084	PK

Profile: 2310083R	Page No.: 10
Engineer: Yuliu	
Site: AC5	Time: 2023/02/14 - 20:20
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 2402MHz by LE_2Mbps	



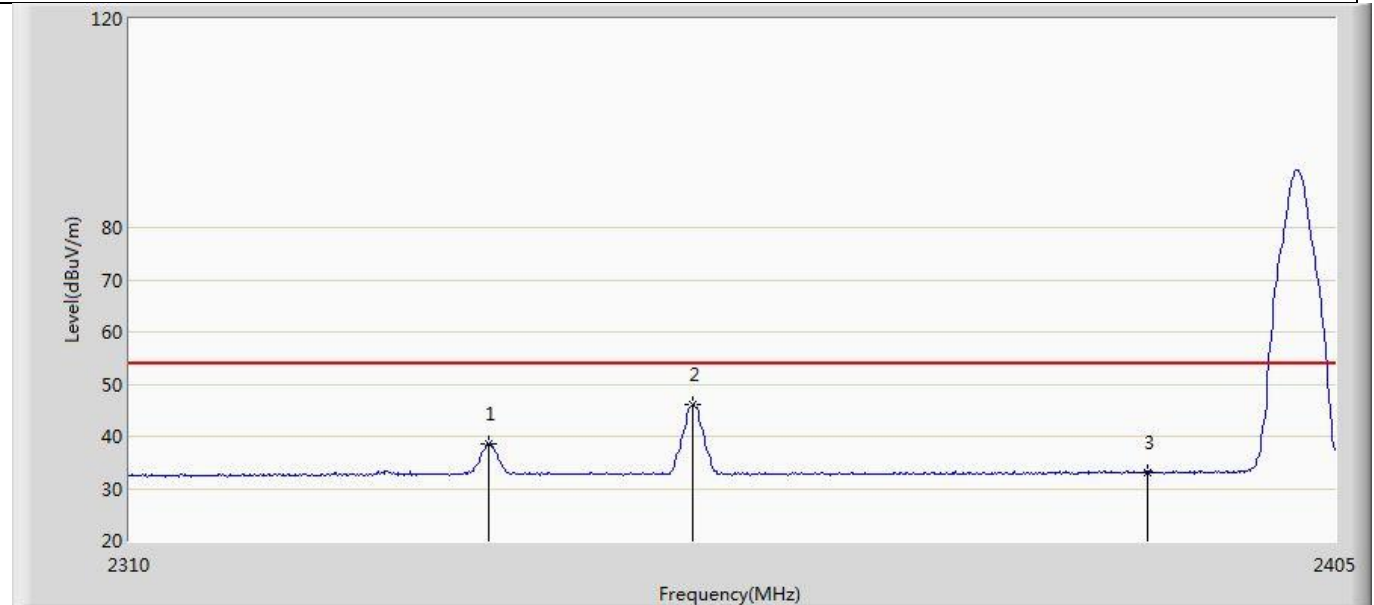
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2337.930	36.916	2.961	-17.084	54.000	33.955	AV
2	*	2354.080	45.294	11.320	-8.706	54.000	33.974	AV
3		2390.000	33.179	-0.905	-20.821	54.000	34.084	AV

Profile: 2310083R	Page No.: 11
Engineer: Yuliu	
Site: AC5	Time: 2023/02/14 - 20:21
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 2402MHz by LE_2Mbps	



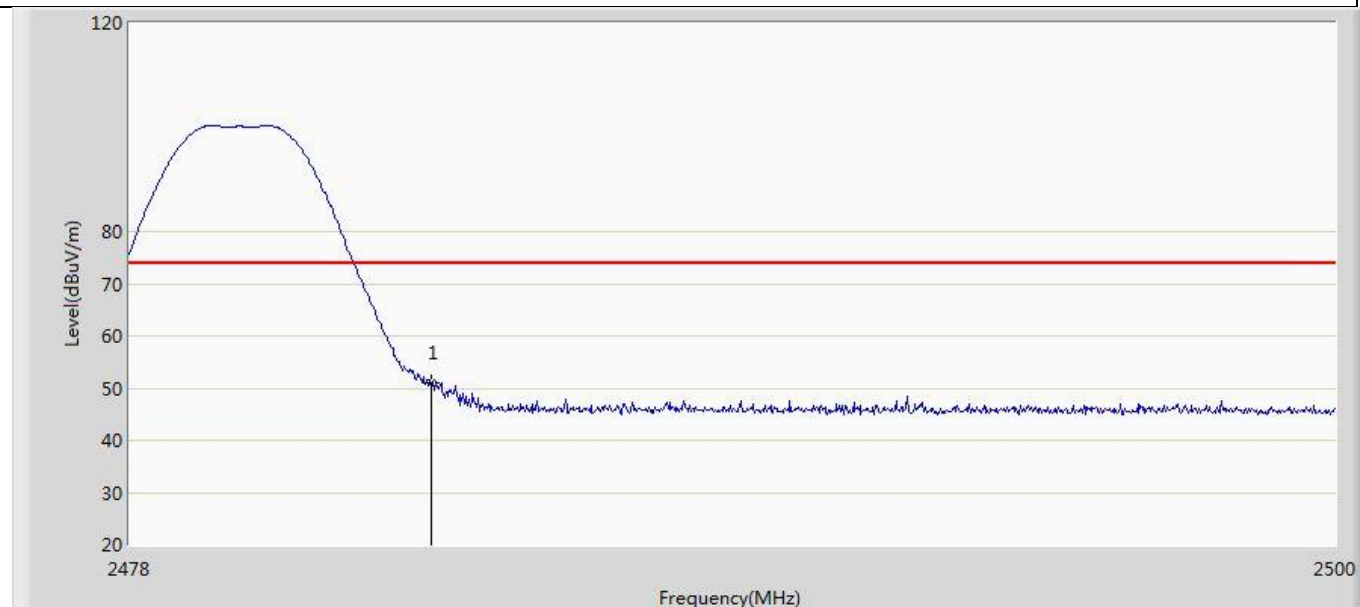
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2337.455	47.936	13.985	-26.064	74.000	33.951	PK
2	*	2353.510	51.645	17.670	-22.355	74.000	33.975	PK
3		2390.000	44.725	10.641	-29.275	74.000	34.084	PK

Profile: 2310083R	Page No.: 12
Engineer: Yuliu	
Site: AC5	Time: 2023/02/14 - 20:23
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 2402MHz by LE_2Mbps	



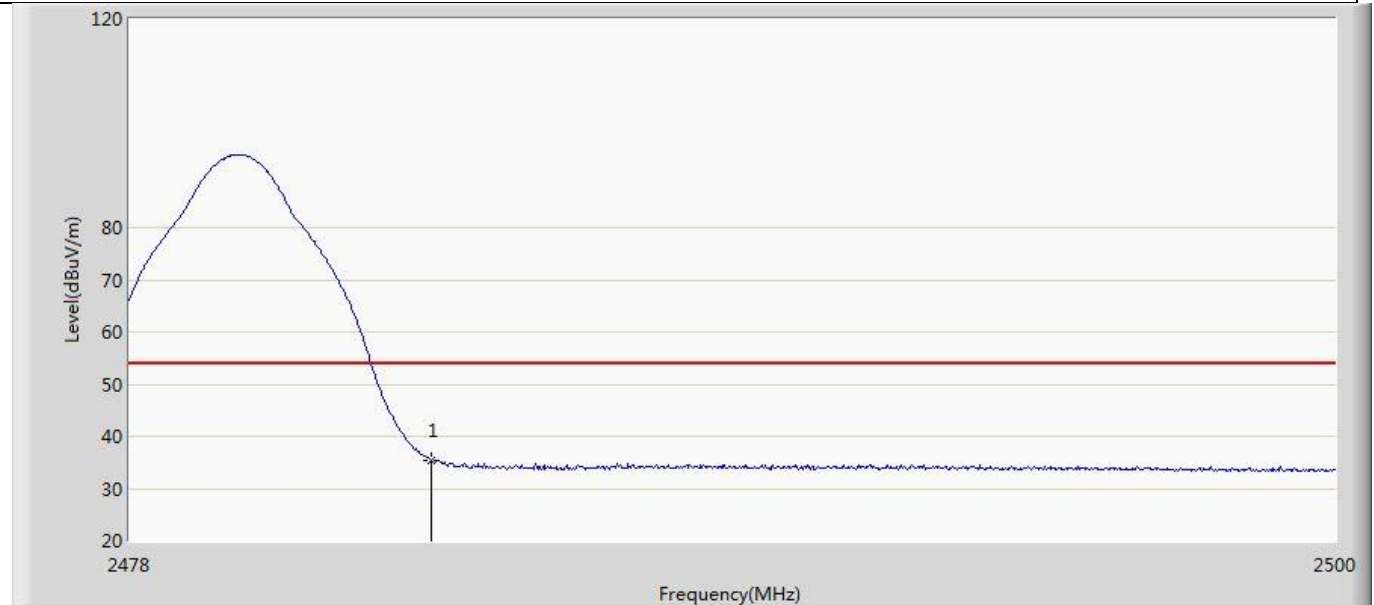
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2337.930	38.648	4.693	-15.352	54.000	33.955	AV
2	*	2353.890	46.004	12.030	-7.996	54.000	33.975	AV
3		2390.000	33.187	-0.897	-20.813	54.000	34.084	AV

Profile: 2310083R	Page No.: 13
Engineer: Yuliu	
Site: AC5	Time: 2023/02/14 - 20:24
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 2480MHz by LE_2Mbps	



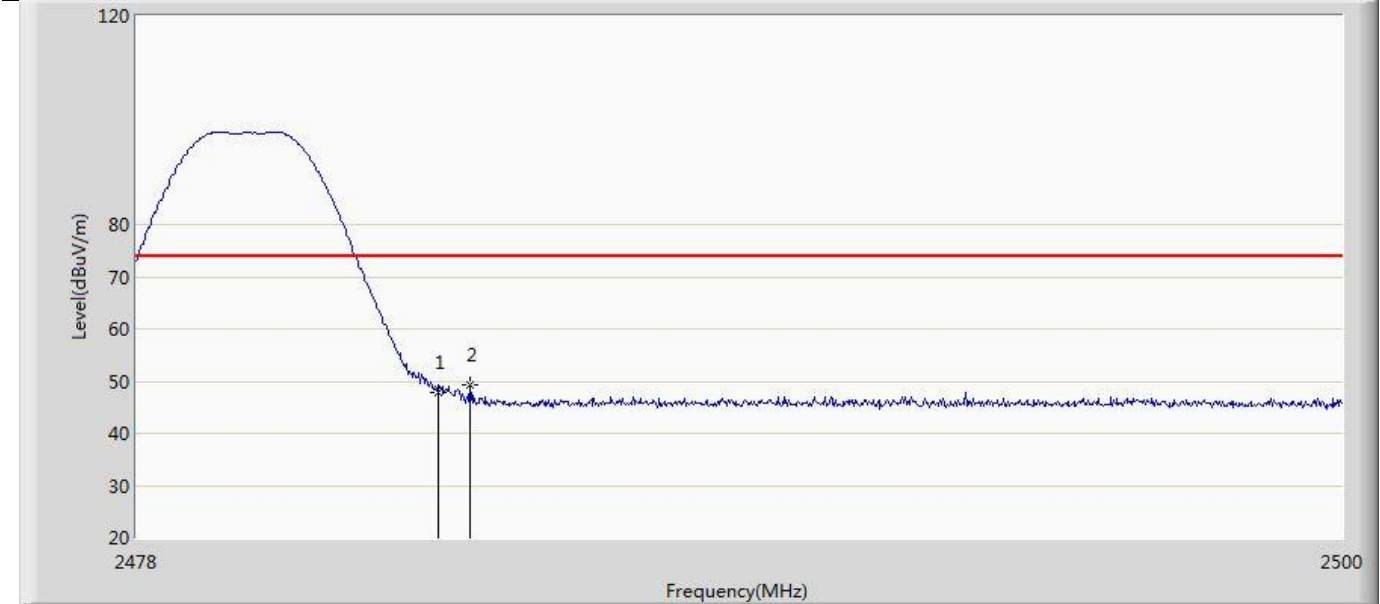
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2483.500	51.080	16.589	-22.920	74.000	34.491	PK

Profile: 2310083R	Page No.: 14
Engineer: Yuliu	
Site: AC5	Time: 2023/02/14 - 20:25
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 2480MHz by LE_2Mbps	



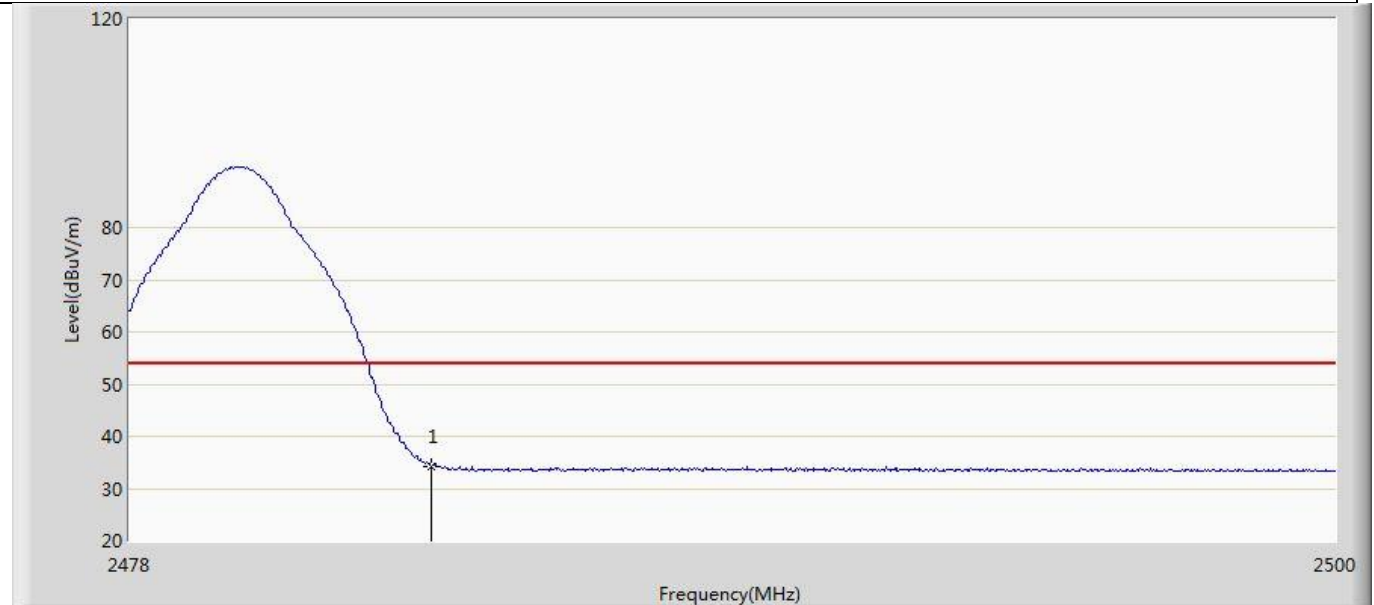
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2483.500	35.389	0.898	-18.611	54.000	34.491	AV

Profile: 2310083R	Page No.: 15
Engineer: Yuliu	
Site: AC5	Time: 2023/02/14 - 20:26
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 2480MHz by LE_2Mbps	



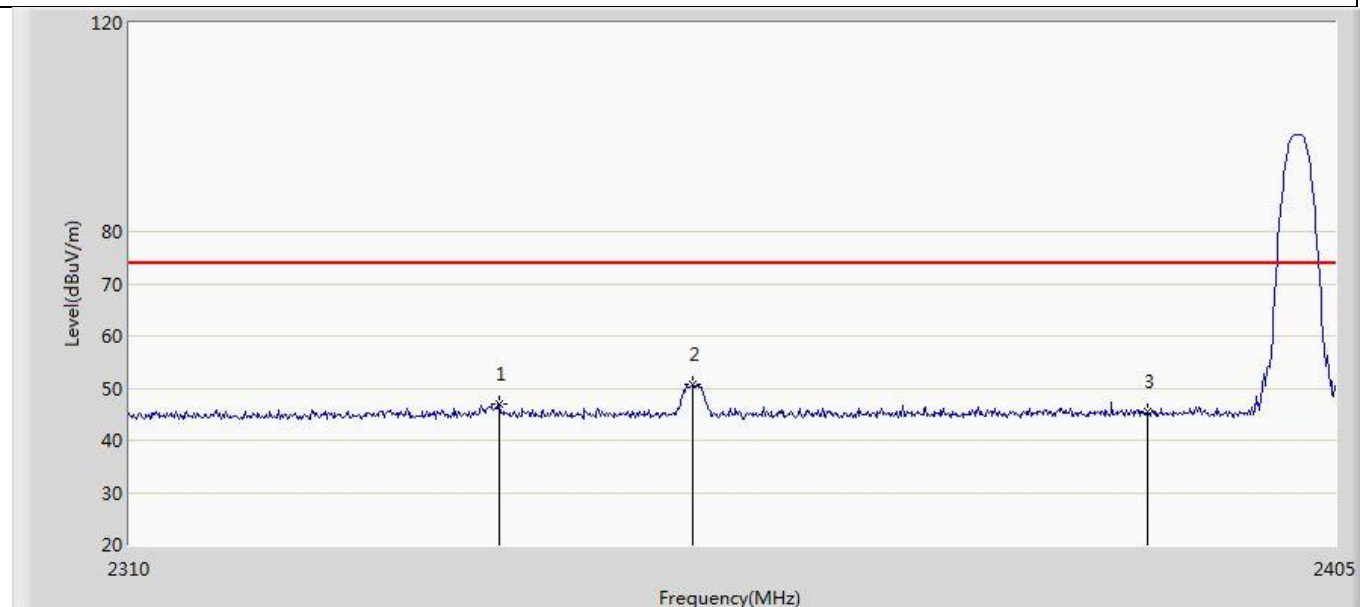
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2483.500	47.852	13.361	-26.148	74.000	34.491	PK
2	*	2484.072	49.369	14.875	-24.631	74.000	34.494	PK

Profile: 2310083R	Page No.: 16
Engineer: Yuliu	
Site: AC5	Time: 2023/02/14 - 20:27
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 2480MHz by LE_2Mbps	



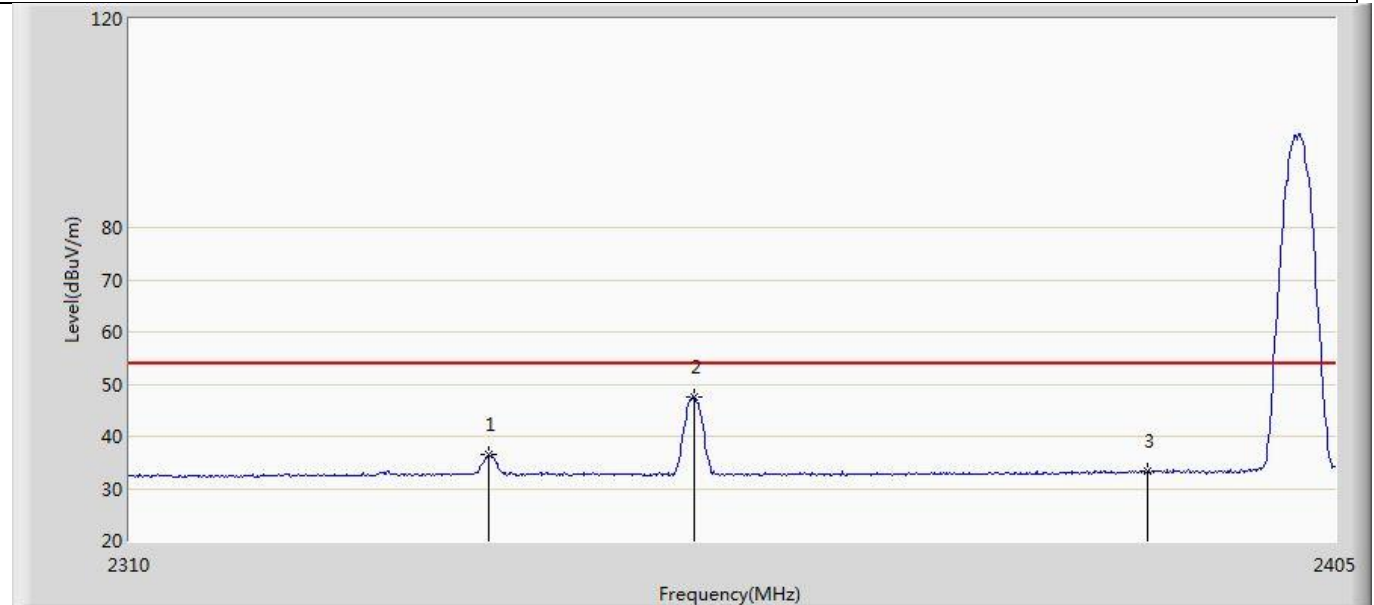
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2483.500	34.302	-0.189	-19.698	54.000	34.491	AV

Profile: 2310083R	Page No.: 17
Engineer: Yuliu	
Site: AC5	Time: 2023/02/14 - 20:28
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 2402MHz by LE_Coded S=8	



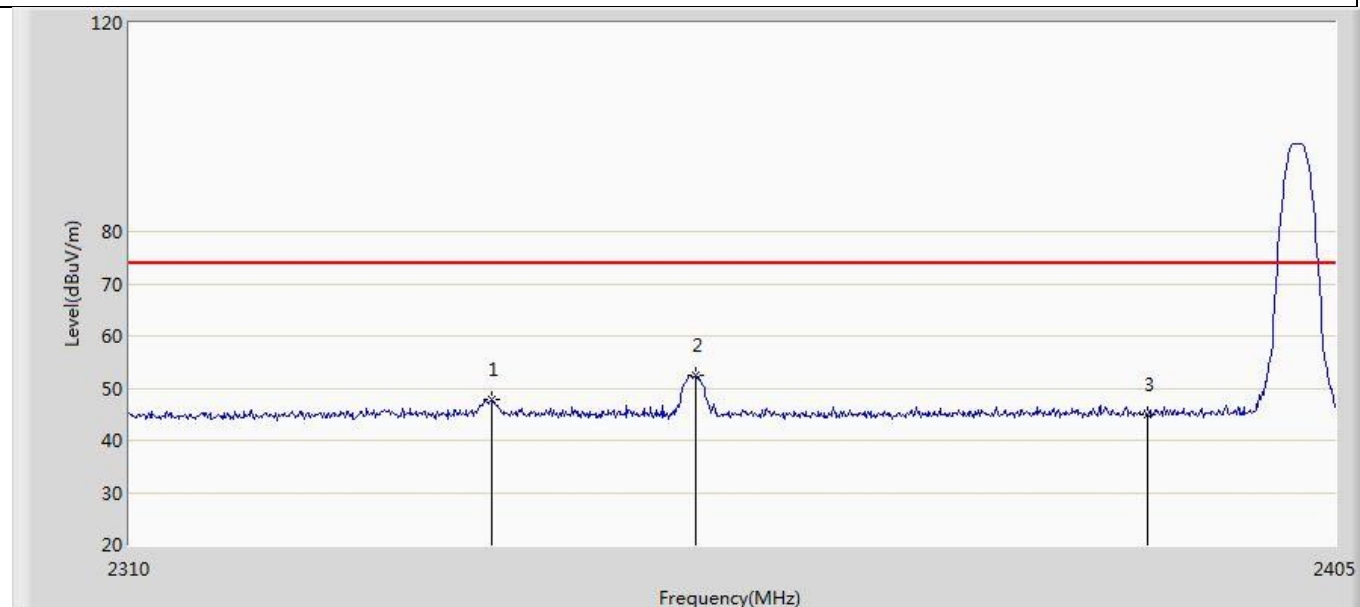
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2338.785	46.919	12.956	-27.081	74.000	33.963	PK
2	*	2353.985	50.654	16.680	-23.346	74.000	33.974	PK
3		2390.000	45.504	11.420	-28.496	74.000	34.084	PK

Profile: 2310083R	Page No.: 18
Engineer: Yuliu	
Site: AC5	Time: 2023/02/14 - 20:30
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 2402MHz by LE_Coded S=8	



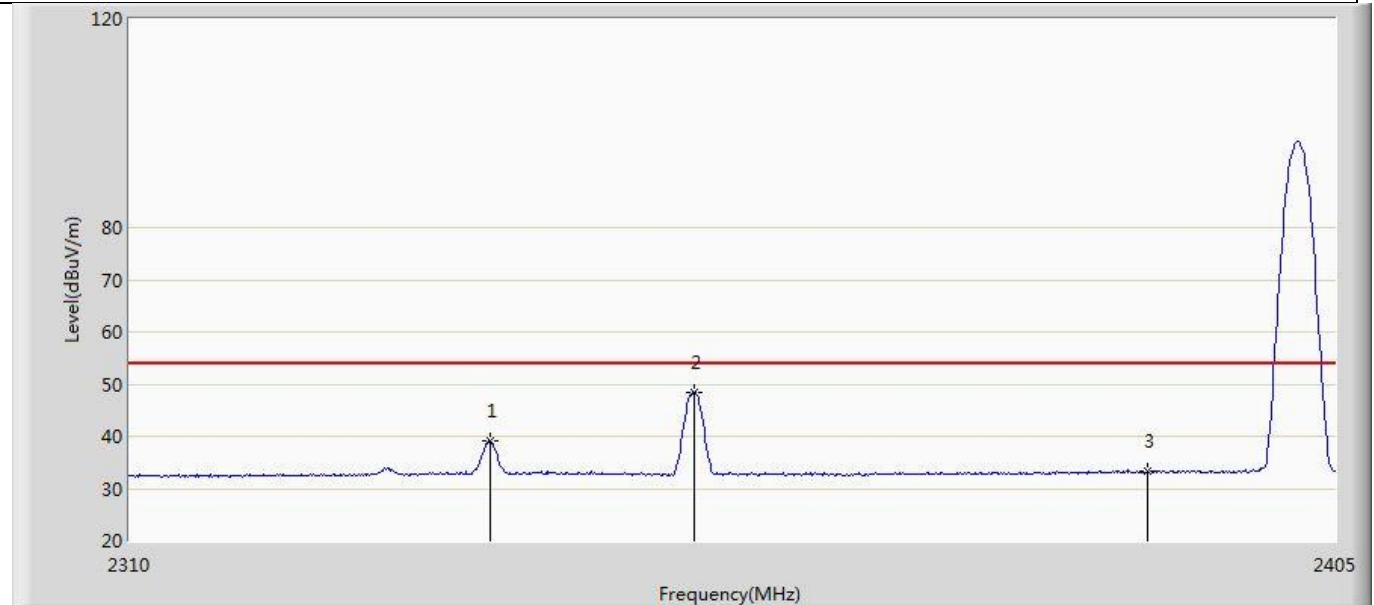
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2337.930	36.384	2.429	-17.616	54.000	33.955	AV
2	*	2354.080	47.553	13.579	-6.447	54.000	33.974	AV
3		2390.000	33.321	-0.763	-20.679	54.000	34.084	AV

Profile: 2310083R	Page No.: 19
Engineer: Yuliu	
Site: AC5	Time: 2023/02/14 - 20:31
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 2402MHz by LE_Coded S=8	



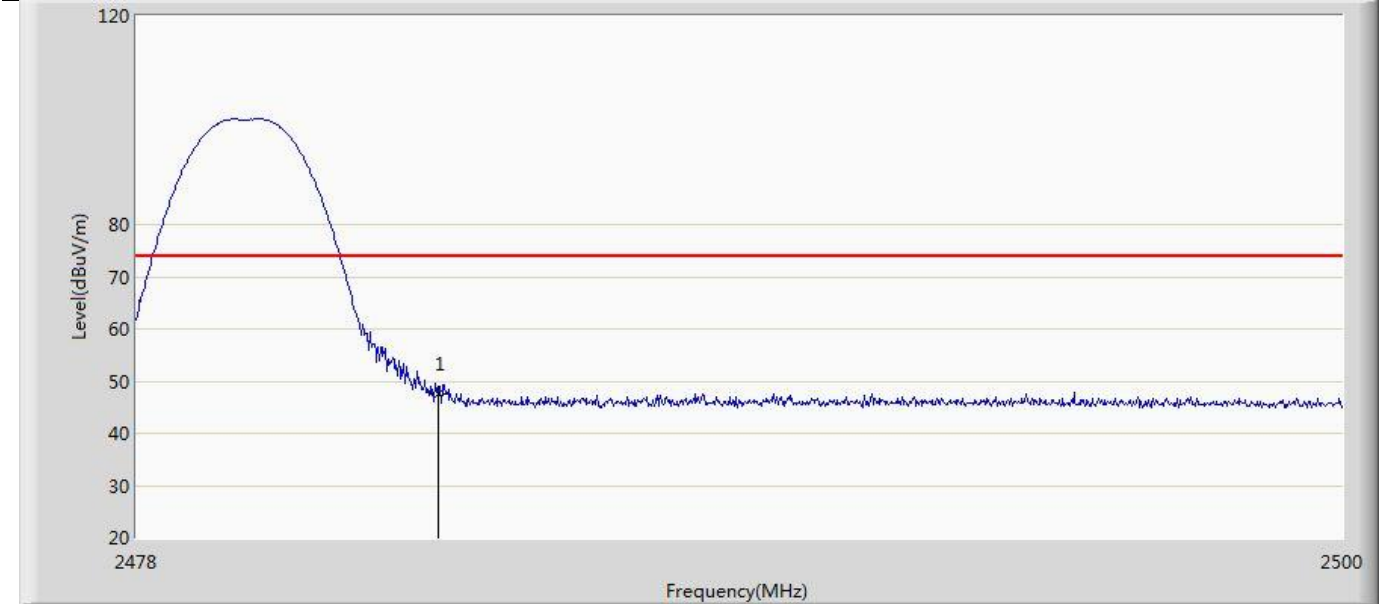
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2338.120	47.714	13.757	-26.286	74.000	33.957	PK
2	*	2354.175	52.607	18.633	-21.393	74.000	33.974	PK
3		2390.000	44.994	10.910	-29.006	74.000	34.084	PK

Profile: 2310083R	Page No.: 20
Engineer: Yuliu	
Site: AC5	Time: 2023/02/14 - 20:32
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 2402MHz by LE_Coded S=8	



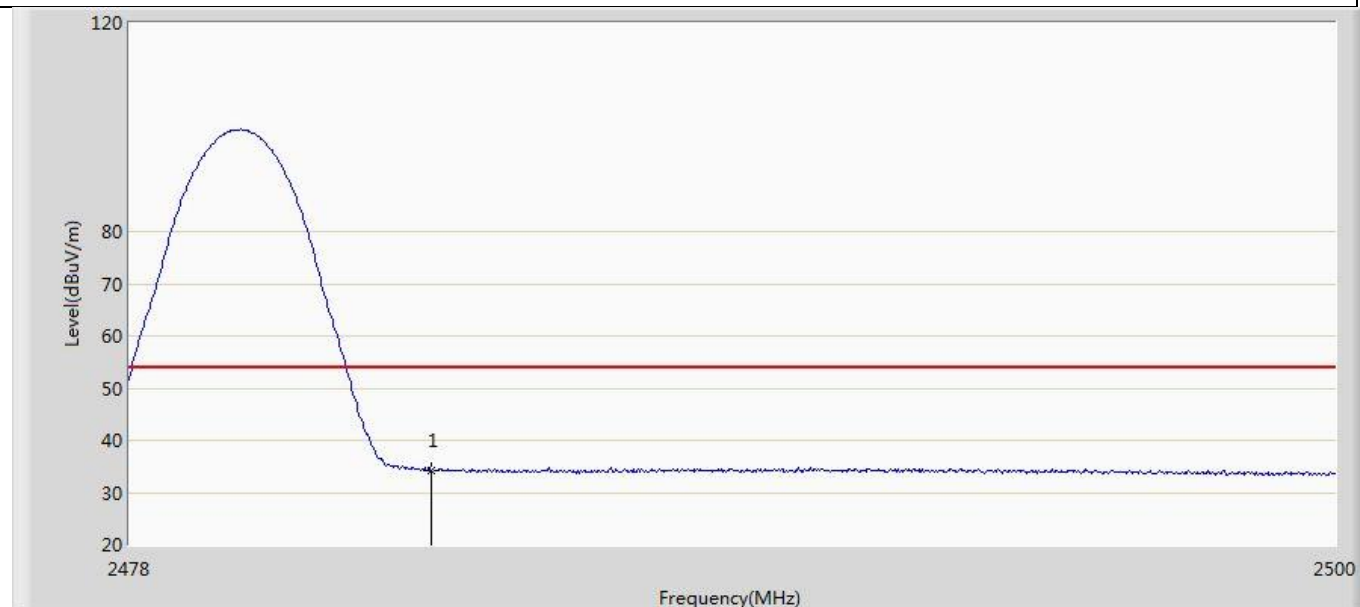
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2338.025	39.193	5.237	-14.807	54.000	33.956	AV
2	*	2354.080	48.542	14.568	-5.458	54.000	33.974	AV
3		2390.000	33.201	-0.883	-20.799	54.000	34.084	AV

Profile: 2310083R	Page No.: 21
Engineer: Yuliu	
Site: AC5	Time: 2023/02/14 - 20:33
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 2480MHz by LE_Coded S=8	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2483.500	47.521	13.030	-26.479	74.000	34.491	PK

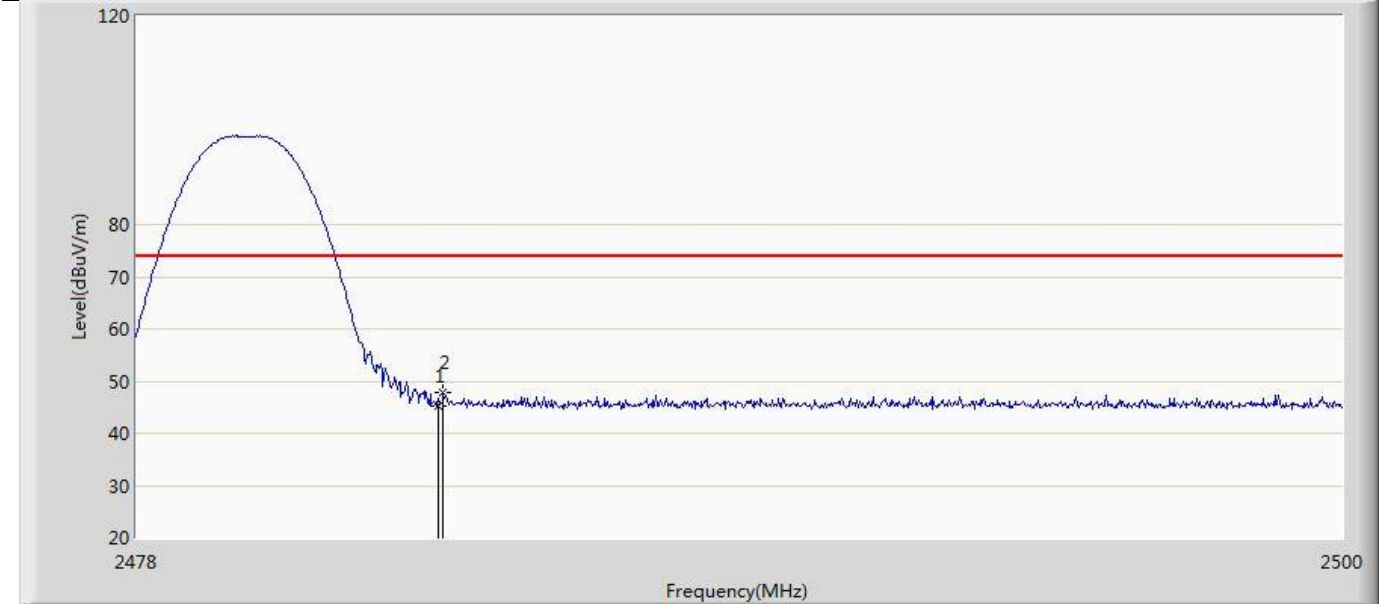
Profile: 2310083R	Page No.: 22
Engineer: Yuliu	
Site: AC5	Time: 2023/02/14 - 20:34
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Horizontal
EUT: VR All-In-One Headset	Power: By battery
Note: Mode 3 : Transmit at 2480MHz by LE_Coded S=8	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2483.500	34.155	-0.336	-19.845	54.000	34.491	AV

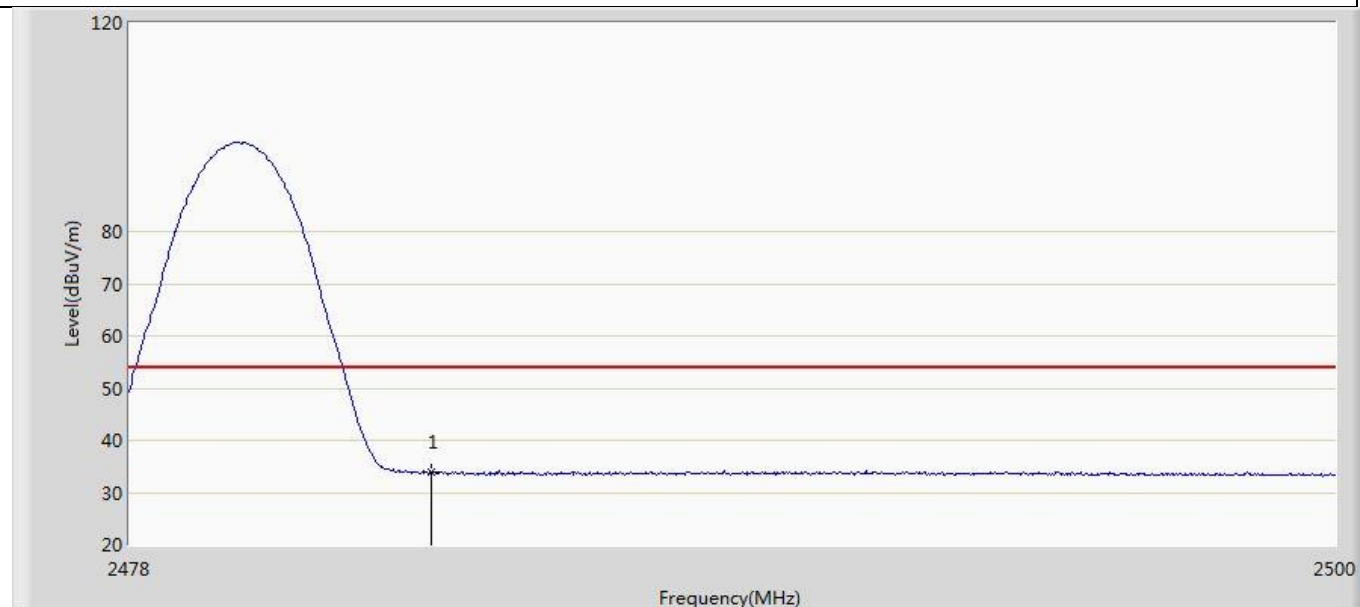


Profile: 2310083R	Page No.: 23
Engineer: Yuliu	
Site: AC5	Time: 2023/02/14 - 20:35
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Vertical
EUT: VR All-In-One Headset	Power: By battery
Note: Mode 3 : Transmit at 2480MHz by LE_Coded S=8	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2483.500	45.271	10.780	-28.729	74.000	34.491	PK
2	*	2483.588	47.705	13.213	-26.295	74.000	34.492	PK

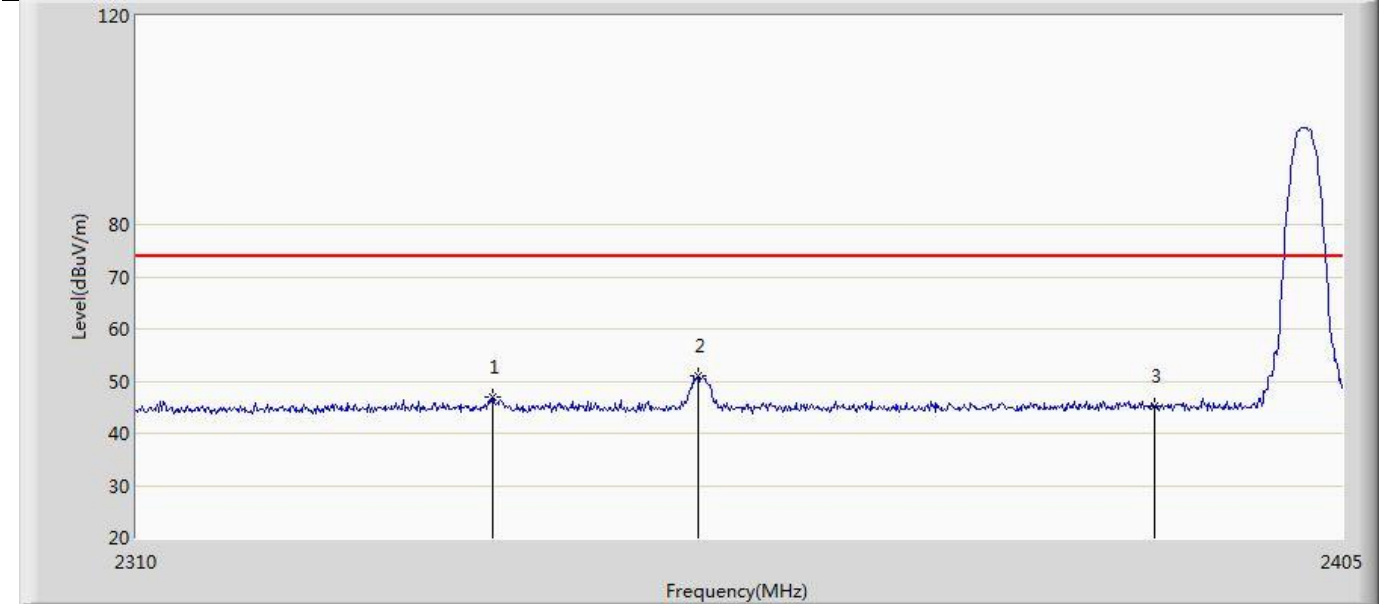
Profile: 2310083R	Page No.: 24
Engineer: Yuliu	
Site: AC5	Time: 2023/02/14 - 20:36
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Vertical
EUT: VR All-In-One Headset	Power: By battery
Note: Mode 3 : Transmit at 2480MHz by LE_Coded S=8	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2483.500	33.868	-0.623	-20.132	54.000	34.491	AV

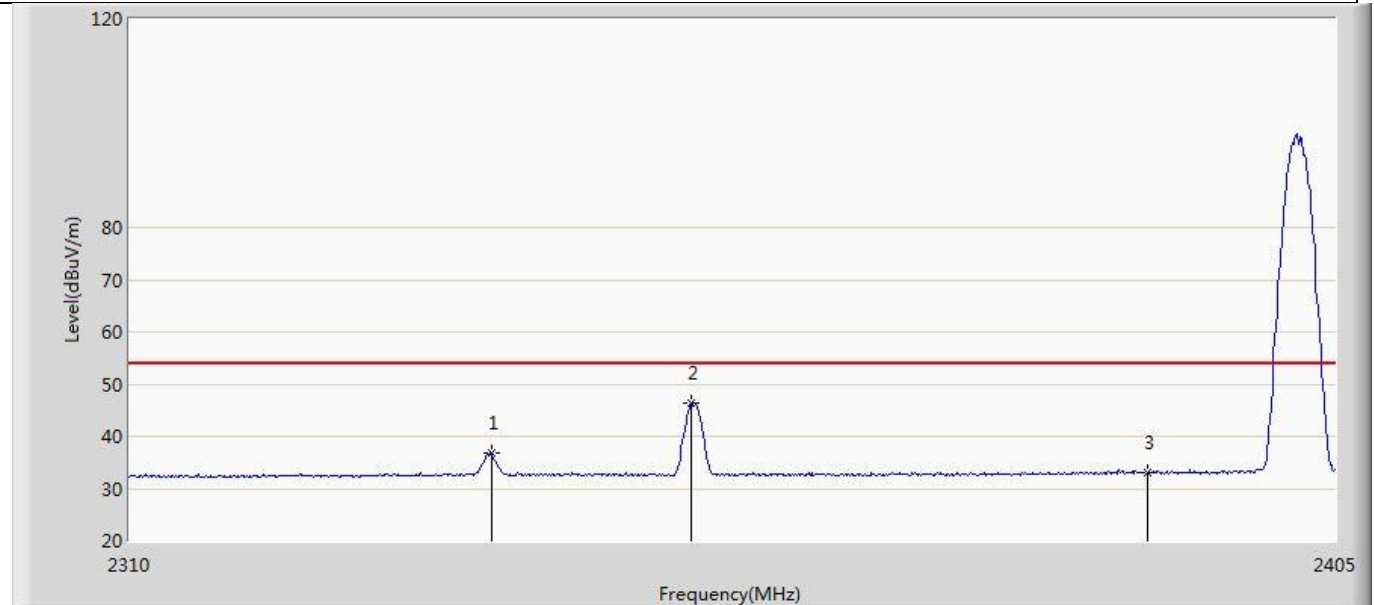


Profile: 2310083R	Page No.: 25
Engineer: Yuliu	
Site: AC5	Time: 2023/02/14 - 20:37
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Horizontal
EUT: VR All-In-One Headset	Power: By battery
Note: Mode 4 : Transmit at 2402MHz by LE_Coded S=2	



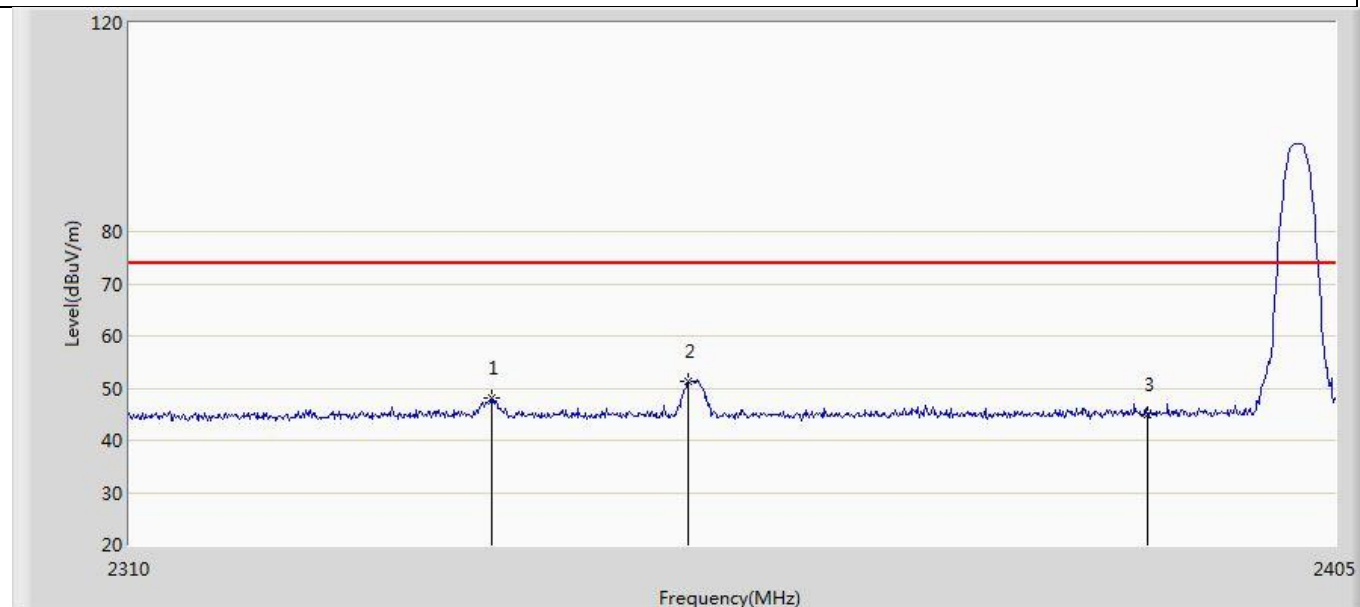
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2337.740	46.871	12.917	-27.129	74.000	33.953	PK
2	*	2353.795	51.123	17.148	-22.877	74.000	33.975	PK
3		2390.000	45.163	11.079	-28.837	74.000	34.084	PK

Profile: 2310083R	Page No.: 26
Engineer: Yuliu	
Site: AC5	Time: 2023/02/14 - 20:39
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 2402MHz by LE_Coded S=2	



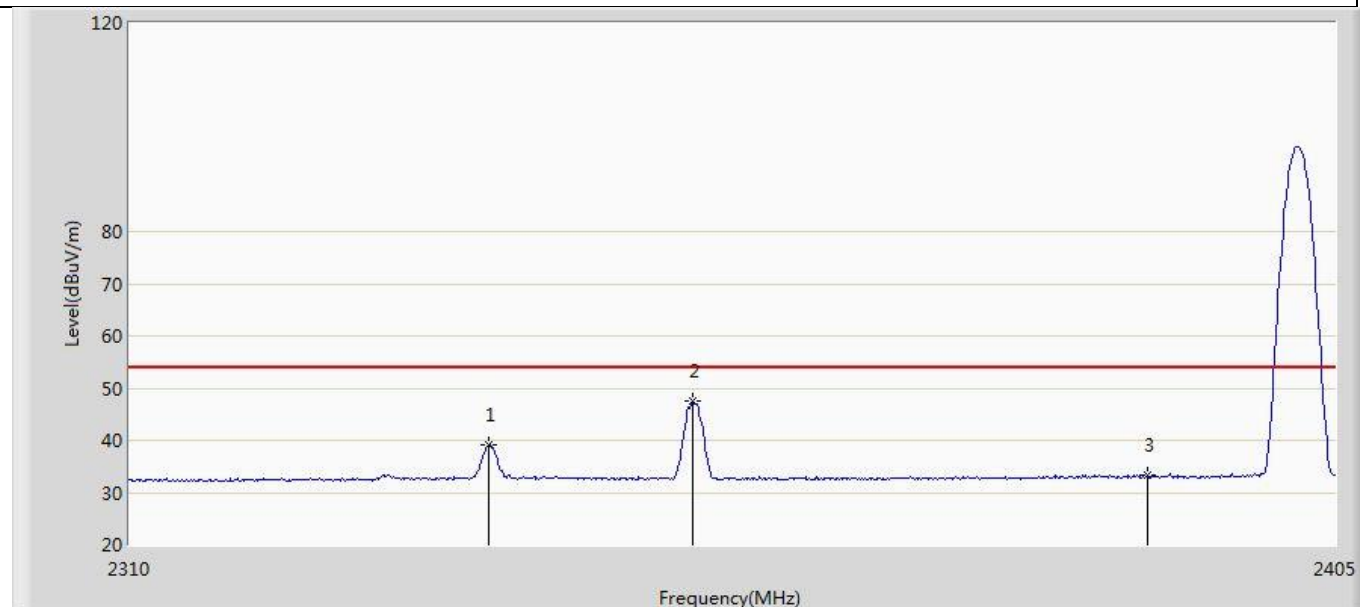
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2338.120	36.708	2.751	-17.292	54.000	33.957	AV
2	*	2353.795	46.257	12.282	-7.743	54.000	33.975	AV
3		2390.000	32.938	-1.146	-21.062	54.000	34.084	AV

Profile: 2310083R	Page No.: 27
Engineer: Yuliu	
Site: AC5	Time: 2023/02/14 - 20:40
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 2402MHz by LE_Coded S=2	



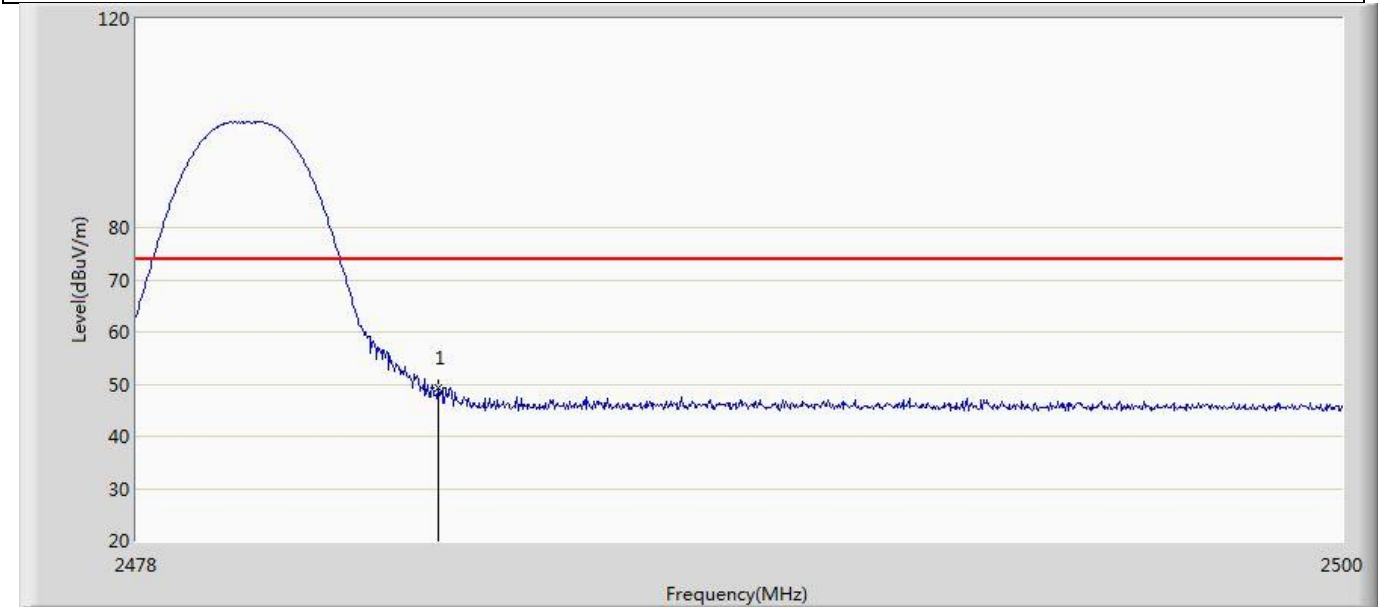
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2338.120	48.037	14.080	-25.963	74.000	33.957	PK
2	*	2353.605	51.225	17.250	-22.775	74.000	33.975	PK
3		2390.000	44.951	10.867	-29.049	74.000	34.084	PK

Profile: 2310083R	Page No.: 28
Engineer: Yuliu	
Site: AC5	Time: 2023/02/14 - 20:41
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 2402MHz by LE_Coded S=2	



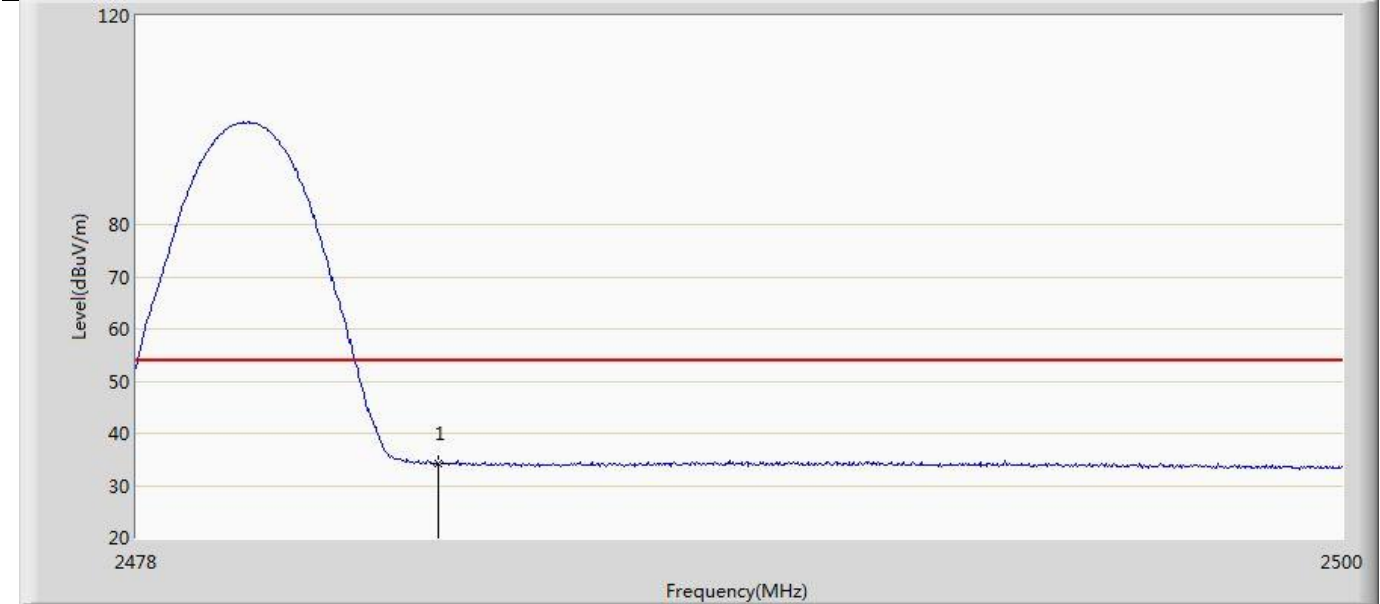
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2337.930	39.215	5.260	-14.785	54.000	33.955	AV
2	*	2353.985	47.580	13.606	-6.420	54.000	33.974	AV
3		2390.000	33.314	-0.770	-20.686	54.000	34.084	AV

Profile: 2310083R	Page No.: 29
Engineer: Yuliu	
Site: AC5	Time: 2023/02/14 - 20:42
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 2480MHz by LE_Coded S=2	



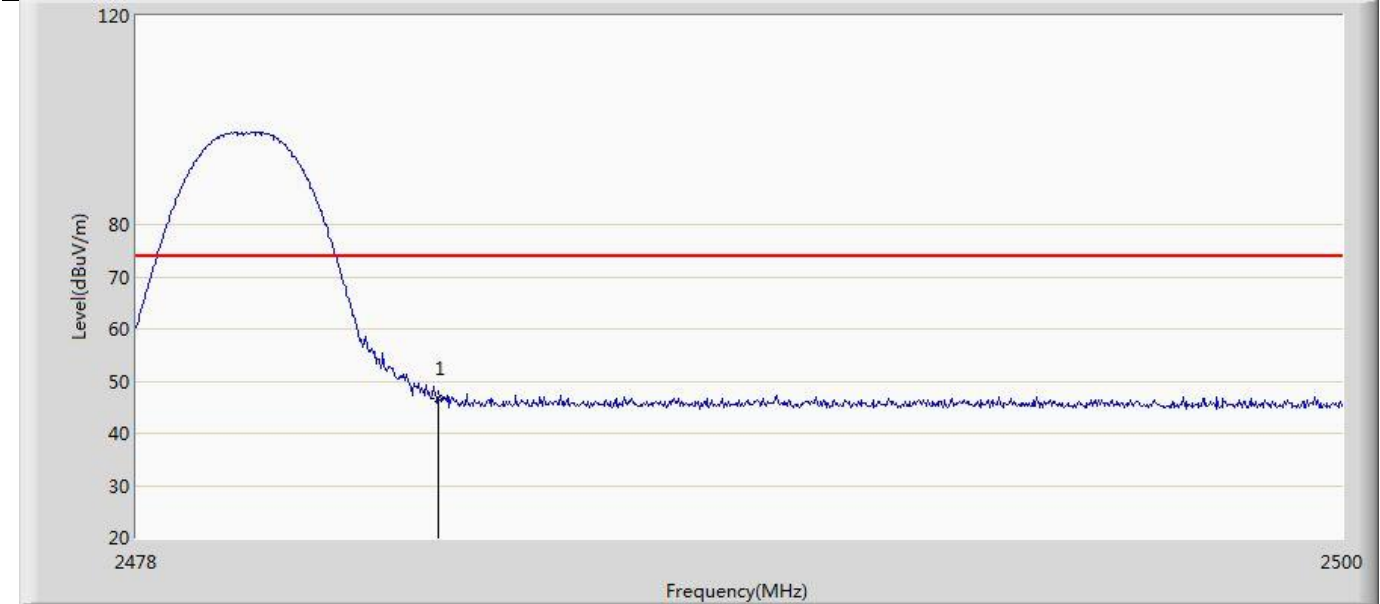
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2483.500	49.371	14.880	-24.629	74.000	34.491	PK

Profile: 2310083R	Page No.: 30
Engineer: Yuliu	
Site: AC5	Time: 2023/02/14 - 20:44
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 2480MHz by LE_Coded S=2	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2483.500	34.107	-0.384	-19.893	54.000	34.491	AV

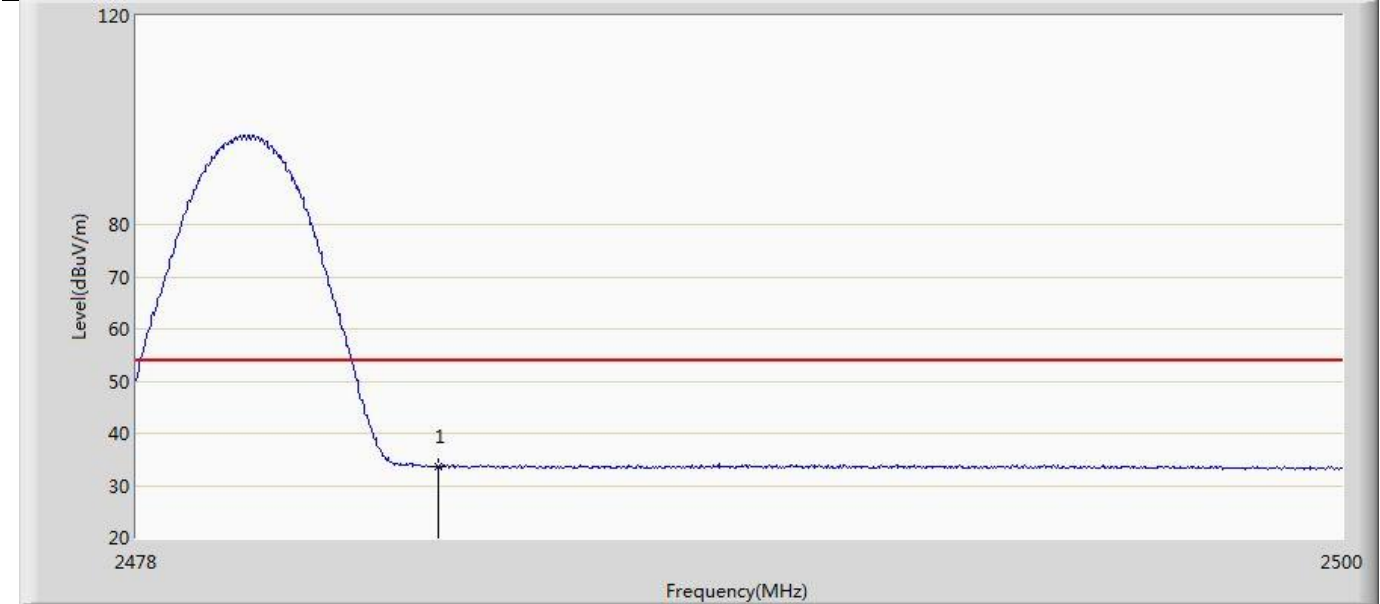
Profile: 2310083R	Page No.: 31
Engineer: Yuliu	
Site: AC5	Time: 2023/02/14 - 20:45
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Vertical
EUT: VR All-In-One Headset	Power: By battery
Note: Mode 4 : Transmit at 2480MHz by LE_Coded S=2	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2483.500	46.662	12.171	-27.338	74.000	34.491	PK



Profile: 2310083R	Page No.: 32
Engineer: Yuliu	
Site: AC5	Time: 2023/02/14 - 20:45
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 2480MHz by LE_Coded S=2	

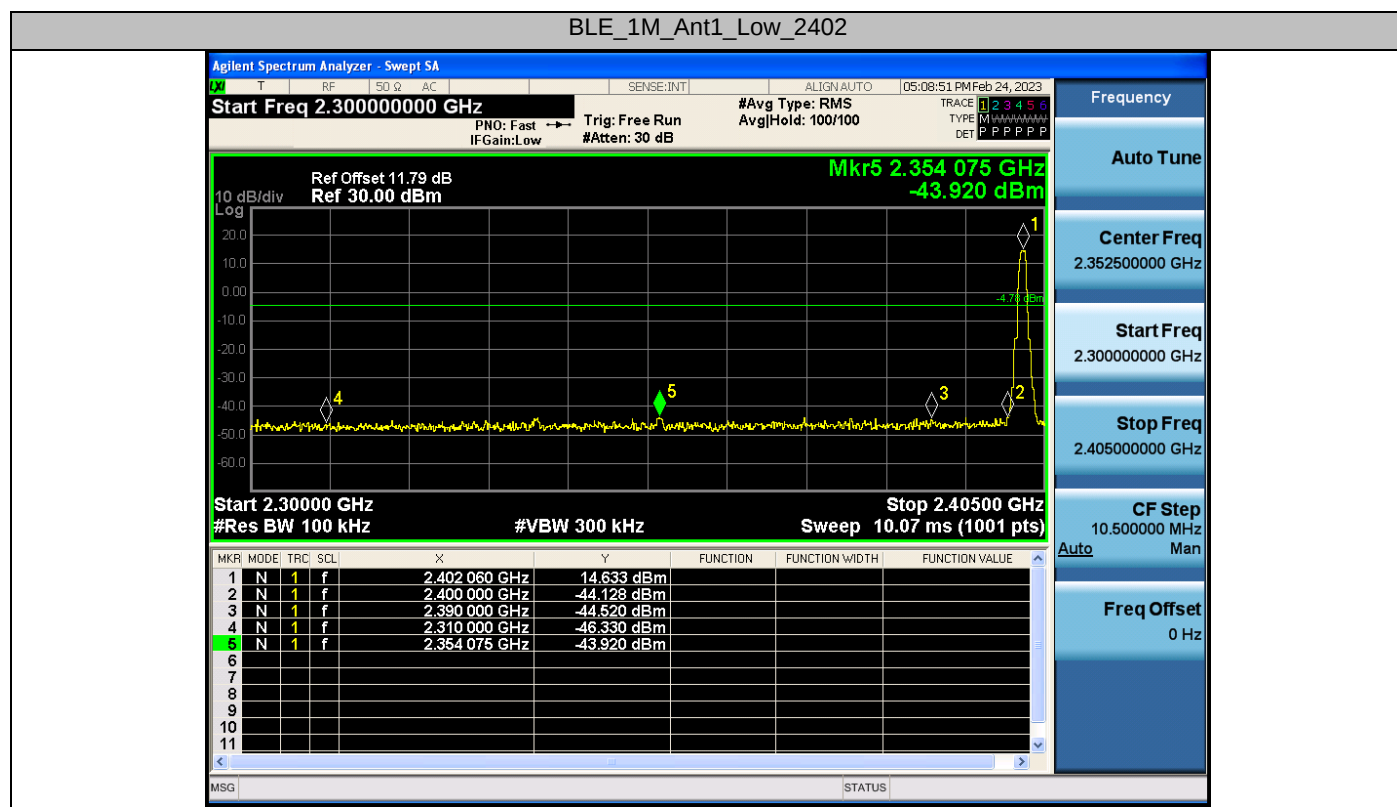


No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2483.500	33.668	-0.823	-20.332	54.000	34.491	AV

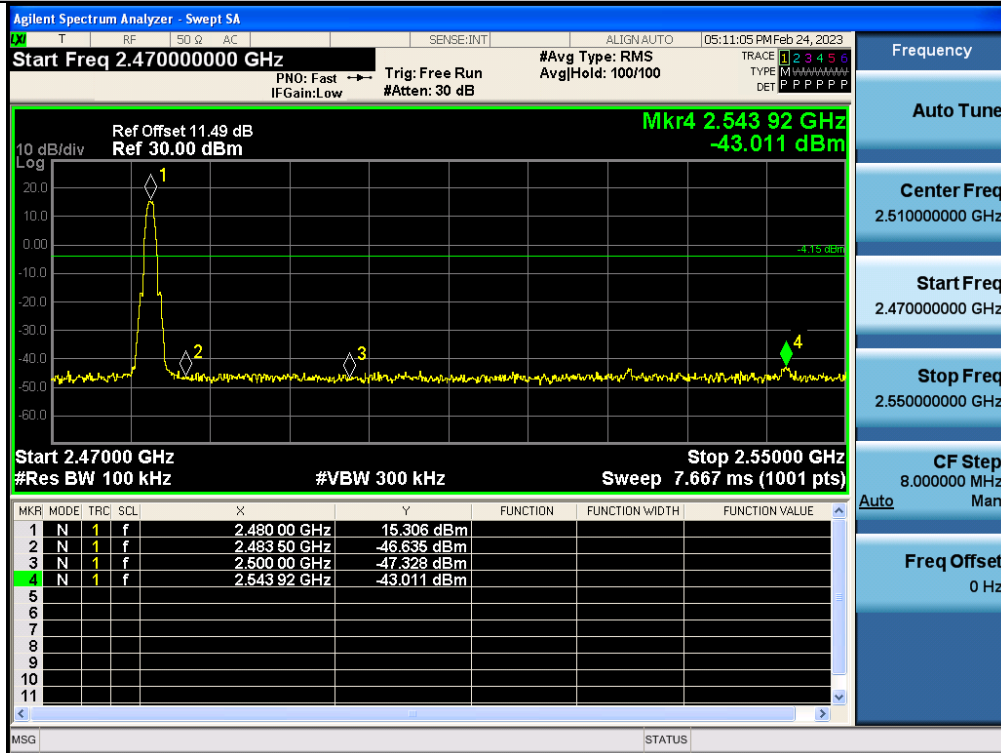
Appendix F: Conducted Spurious Emission

TestMode	Antenna	ChName	Frequency[MHz]	Result[dBm]	Limit[dBm]	Verdict
Mode 1	Ant1	Low	2402	-43.92	≤-4.78	PASS
		High	2480	-43.01	≤-4.15	PASS
Mode 2	Ant1	Low	2402	-36.38	≤-9.09	PASS
		High	2480	-43.87	≤-7.94	PASS
Mode 3	Ant1	Low	2402	-43.58	-11.93	PASS
		High	2480	-44.11	-11.36	PASS
Mode 4	Ant1	Low	2402	-43.62	-9.75	PASS
		High	2480	-43.49	-10.24	PASS

Note: The Limit=reference value- 20dB(reference value please refer to page 90-93).



BLE_1M_Ant1_High_2480



BLE_2M_Ant1_Low_2402

