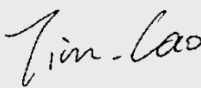
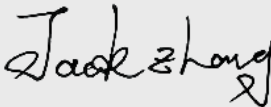


Test report No:
24B0601R-RF-US-P06V01

FCC TEST REPORT

Product Name	IEEE 802.11a/b/g/n/ac 2T2R USB Wi-Fi Module Integrated Bluetooth 2.1+EDR/4.2/5.1
Model and /or type reference	SKI.WB663U.2
FCC ID	2AR82-SKIWB663U21
IC	24728-SKIWB663U21
Applicant's name / address	Guangzhou Shikun Electronics Co., Ltd NO.6 Liankun Road, Huangpu District, Guangzhou 510530, China
Test method requested, standard	47 CFR FCC Part 15 (Section 15.247) RSS-Gen Issue5 RSS-247 Issue3
Verdict Summary	IN COMPLIANCE
Tested by (name / position & signature)	Tim Cao / Project Manager 
Approved by (name / position & signature)	Jack Zhang / Manager 
Date of issue	2024-12-16
Report Version	V1.0
Report template No	Template_FCC 15.247-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)	Nov. 15, 2024
Date (start test)	Nov. 20, 2024
Date (finish test)	Nov. 30, 2024

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
24B0601R-RF-US-P06V01	V1.0	Initial issue of report.	2024-12-16

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 certified module with only the antenna added, so only radiated spurious emissions and radiated band edge tests have been performed to demonstrate compliance with the requirements of Part 15 Subpart C 15.247(RSS-Gen Issue5 and RSS-247 Issue3) and to meet the requirements of the Calss II permissible variations. The module certification report number is 4790010773.1-2.
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 Information;
 - Chapter 1.3Channel List.

USED EQUIPMENT

Conducted Test/ TR8

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date	Firmware Version	Software version
Wireless Connectivity Tester	R&S	CMW 270	102593	2024.05.15	2025.05.14	V 4.0.60	N/A
Coaxial Cable	N/A	N/A	2477	2024.06.11	2025.06.10	N/A	N/A
Coaxial Cable	N/A	N/A	2478	2024.06.11	2025.06.10	N/A	N/A
High and low temperature and fast temperature change test box	ASTUOD	ASTD-FBT-225K	N/A	2024.04.21	2025.04.20	N/A	N/A
Temperature/Humidity Meter	RTS	RTS-1909	THM-032	2024.05.17	2025.05.16	N/A	N/A
Test system							
Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date	Firmware Version	Software version
MAX Signal Analyzer	Keysight	N9010A	MY48030494	2024.10.19	2025.10.18	A.14.03	N/A
RF Control Unit	Tonscend	JS0806-2	22G8060594	2024.01.31	2025.01.30	N/A	N/A
MXG-B RF Vector Signal Generator	Keysight	N5182B	MY61252529	2024.05.12	2025.05.11	B.01.96	N/A
Frequency extender for EXG or MXG	Keysight	N5182BX07	MY59362500	2024.05.12	2025.05.11	N/A	N/A
EXG-B MW Analog Signal Generator	Keysight	N5173B	MY61252566	2024.07.06	2025.07.05	B.01.95	N/A
Test Software	Tonscend	TS1120	JS1120-3	N/A	N/A	N/A	V3.0.22

Radiated Emission (9KHz-1GHz) / AC2

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date	Firmware Version	Software version
EMI Test Receiver	R&S	ESCI	100573	2024.02.06	2025.02.05	4.42 SP3	N/A
Loop Antenna	R&S	HFH2-Z2E	101149	2024.03.27	2025.03.26	N/A	N/A
Bilog Antenna	Teseq GmbH	CBL6112D	27611	2024.03.20	2025.03.19	N/A	N/A
Coaxial Cable	Huber+Suhner	SUCOFLEX 106	AC2-C	2024.04.27	2025.04.26	N/A	N/A
Temperature/Humidity Meter	RTS	RTS-1909	THM-021	2024.05.17	2025.05.16	N/A	N/A
Dekra test software	Dekra	N/A	N/A	N/A	N/A	N/A	3

Radiated Emission (1GHz-40GHz) / AC5

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date	Firmware Version	Software version
EXA Spectrum Analyzer	Keysight	N9020B	MY60112218	2024.11.02	2025.11.01	A.31.05	N/A
Pre-Amplifier	SKET	LNPA_0118G-45	SK2021090101	2024.04.27	2025.04.26	N/A	N/A
Preamplifier	CHENGYI	EMC184045SE	980263	2024.07.06	2025.07.05	N/A	N/A
DRG Horn Antenna	ETS-Lindgren	3117	00167055	2024.08.29	2025.08.28	N/A	N/A
Broad-Band Horn Antenna	Schwarzbeck	BBHA9170	294	2024.05.30	2025.05.29	N/A	N/A
Filter Switch Box	MVE	MSW-F196	C070001S	2024.04.20	2025.04.19	N/A	N/A
Temperature/Humidity Meter	RTS	RTS-1909	THM-001	2024.07.11	2025.07.10	N/A	N/A
Coaxial Cable	ROSENBERGER	LA1-C011-2000/3000	AC5-40G	2024.01.25	2025.01.24	N/A	N/A
Coaxial Cable	ROSENBERGER	LA1-C011-2000/3000	AC5-40G-2	2024.05.26	2025.05.25	N/A	N/A
Dekra test software	Dekra	N/A	N/A	N/A	N/A	N/A	3

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%. The Uncertainties is comply with standard required as below.

Test item	Uncertainty
AC Power Line Conducted Emission	9kHz~150kHz: 2.80dB 150kHz~30MHz: 2.40dB
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
20dB Bandwidth	± 1 kHz
Carrier Frequency Separation	± 1 kHz
Number of Hopping Frequencies	± 1 kHz
Time of Occupancy (Dwell Time)	± 0.1 us
Peak OutputPower	± 1.27 dB
Emissions in non-restricted frequency bands	± 1.0 dB
Radiated Emission Band Edge	± 3.9 dB

1 GENERAL INFORMATION

1.1 General Description of the Item(s)

Product Name	IEEE 802.11a/b/g/n/ac 2T2R USB Wi-Fi Module Integrated Bluetooth 2.1+EDR/4.2/5.1
Model No.	SKI.WB663U.2
FCC ID	2AR82-SKIWB663U21
IC	24728-SKIWB663U21
Manufacturer	Guangzhou Shikun Electronics Co., Ltd
Manufacturer Address.....	NO.6 Liankun Road, Huangpu District, Guangzhou 510530, China
Factory	Guangzhou Shikun Electronics Co., Ltd
Factory address.....	NO.6 Liankun Road, Huangpu District, Guangzhou 510530, China

Wireless specification.....	Bluetooth V5.1				
Operating frequency range(s)	2402~2480 MHz				
Type of Modulation.....	GFSK				
PHYs	☒	GFSK	☒	Pi/4 DQPSK	☒ 8DPSK
Data Rate	☒	1Mbit/s	☒	2Mbit/s	☒ 3Mbit/s
Number of channel	79				

Rated power supply	Voltage and Frequency				
	☐	AC: 220 - 240 Vac, 50/60 Hz			
	☐	AC: 100 - 240 Vac, 50/60 Hz			
	☒	DC: 3.3 Vdc			
	☐	Battery:			
	☐	Adapter:			
Mounting position	☐	Table top equipment			
	☐	Wall/Ceiling mounted equipment			
	☐	Floor standing equipment			
	☐	Hand-held/Portable equipment			
	☒	Other: RF Module			

1.2 Antenna Information

Antenna serial number	LG North America 43"		61005-00892	
	LG North America 65"		61005-00904	
Antenna Delivery	☒	1TX + 1RX		
	☐	2TX + 2RX		
	☐	Others:.....		
Antenna technology	☒	SISO		
	☐	MIMO	☐	CDD
			☐	Beam-forming
Antenna Type	☒	External	☐	Dipole
			☐	Sectorized
			☒	PIFA
	☐	Internal	☐	PIFA
			☐	PCB
			☐	Dipole
			☐	Others.....
Antenna Gain	61005-00892: 2.71 dBi			
	61005-00904: 2.44 dBi			
		Note: The antenna used in the test had the highest gain of material number 61005-00892.		

1.3 Channel List

Bluetooth Working Frequency of Each Channel: (For FHSS)							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
00	2402 MHz	01	2403 MHz	02	2404 MHz	03	2405 MHz
04	2406 MHz	05	2407 MHz	06	2408 MHz	07	2409 MHz
08	2410 MHz	09	2411 MHz	10	2412 MHz	11	2413 MHz
12	2414 MHz	13	2415 MHz	14	2416 MHz	15	2417 MHz
16	2418 MHz	17	2419 MHz	18	2420 MHz	19	2421 MHz
20	2422 MHz	21	2423 MHz	22	2424 MHz	23	2425 MHz
24	2426 MHz	25	2427 MHz	26	2428 MHz	27	2429 MHz
28	2430 MHz	29	2431 MHz	30	2432 MHz	31	2433 MHz
32	2434 MHz	33	2435 MHz	34	2436 MHz	35	2437 MHz
36	2438 MHz	37	2439 MHz	38	2440 MHz	39	2441 MHz
40	2442 MHz	41	2443 MHz	42	2444 MHz	43	2445 MHz
44	2446 MHz	45	2447 MHz	46	2448 MHz	47	2449 MHz
48	2450 MHz	49	2451 MHz	50	2452 MHz	51	2453 MHz
52	2454 MHz	53	2455 MHz	54	2456 MHz	55	2457 MHz
56	2458 MHz	57	2459 MHz	58	2460 MHz	59	2461 MHz
60	2462 MHz	61	2463 MHz	62	2464 MHz	63	2465 MHz
64	2466 MHz	65	2467 MHz	66	2468 MHz	67	2469 MHz
68	2470 MHz	69	2471 MHz	70	2472 MHz	71	2473 MHz
72	2474 MHz	73	2475 MHz	74	2476 MHz	75	2477 MHz
76	2478 MHz	77	2479 MHz	78	2480 MHz	N/A	N/A

Note: The general description of the Item(s), antenna information 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: Transmitter-1Mbps(GFSK_DH5)
	Mode 2: Transmitter-2Mbps(Pi/4 DQPSK_DH5)
	Mode 3: Transmitter-3Mbps(8DPSK_DH5)
	Mode 4: Transmitter-Hopping-1Mbps(GFSK_DH5)
	Mode 5: Transmitter-Hopping-2Mbps(Pi/4 DQPSK_DH5)
	Mode 6: Transmitter-Hopping-3Mbps(8DPSK_DH5)

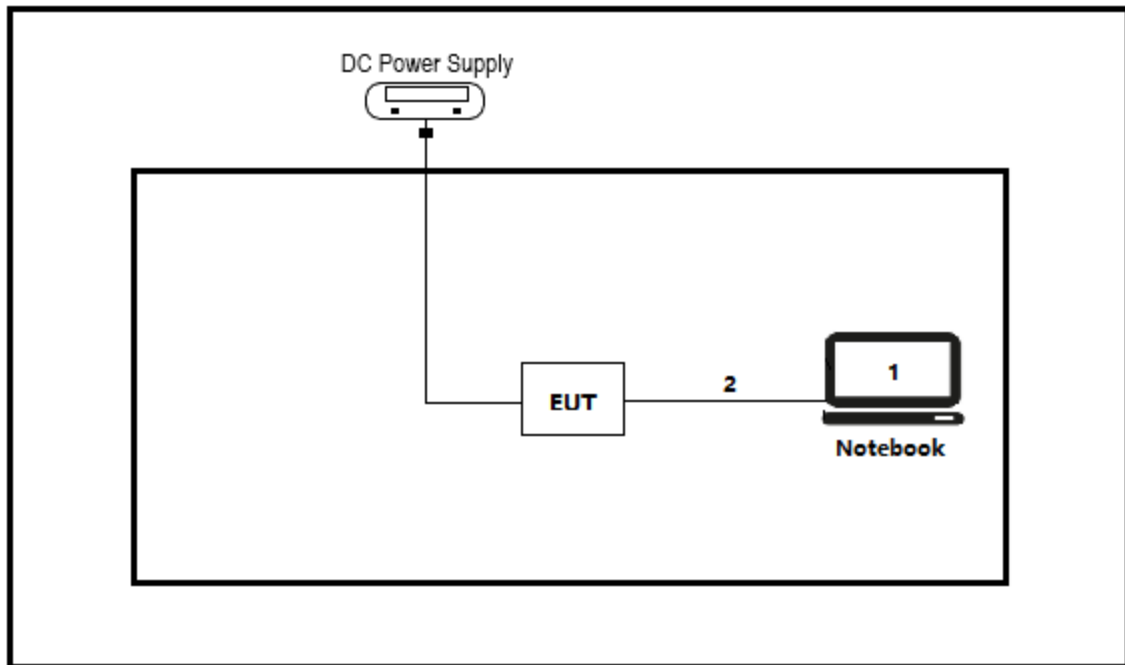
2.2 Auxiliary equipment /Accessories/Test software for the EUT

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/A
software	Type / Version	Manufacturer	Supplied by
MT7663_Win10_Driver_QA_Combo_Tool	N/A	N/A	N/A

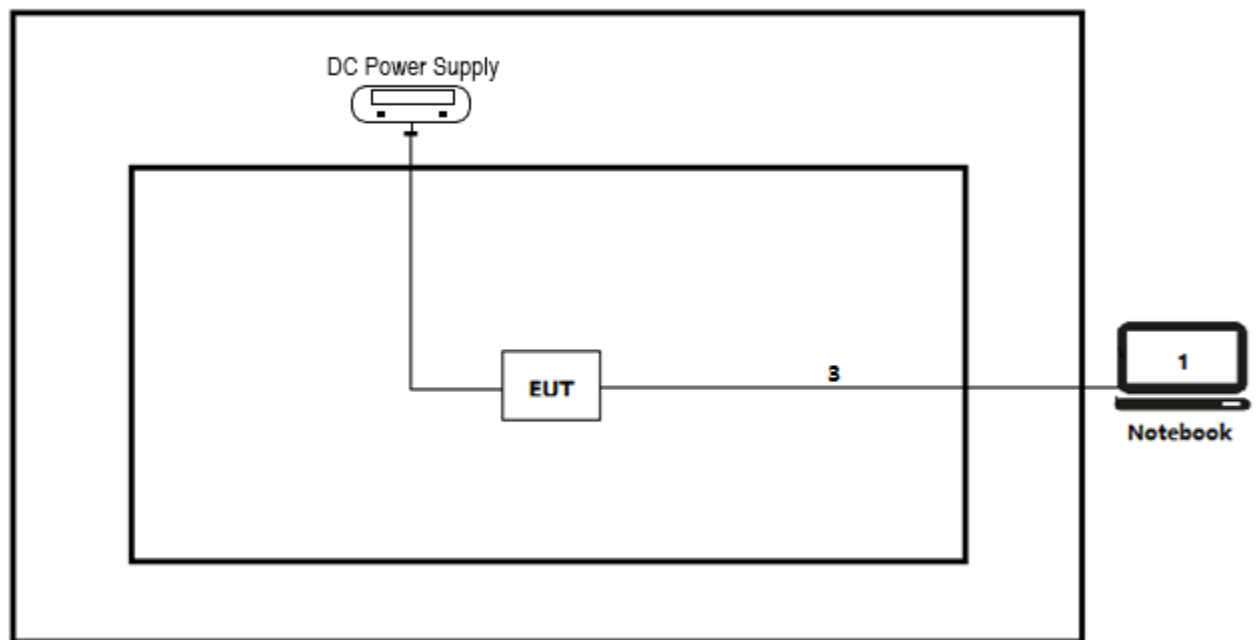
Accessories Information	Cable		
	Length used during test [m]	Attached during test	Shielded
(2)USB Control Cable	1	☒	☒
(3)USB Control Cable	8	☒	☒

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 [MT7663_Win10_Driver_QA_Combo_Tool] on the notebook.
3	Configure the test mode, the test channel, and the data rate.
4	Verify that the EUT works properly.

3 VERDICT SUMMARY SECTION

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

3.1 Standards

Standard	Year	Description
FCC CFR Title 47 Part 15 Subpart E Section 15.247	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
KDB558074 D01 v05r02	2019	Guidance for performing compliance measurements on Digital Transmission System (DTS) operating under section 15.247
RSS-Gen	2019	General Requirements for Compliance of Radio Apparatus
RSS-247	2023	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
Maximum conducted output power	FCC 15.247(b)3 RSS-247 Issue 3 Paragraph 5.4(b)	PASS	Test data please refer to Appendix A
Band edge measurements	FCC 15.247(d) FCC 15.205 FCC 15.209 RSS-Gen Issue 5 Paragraph 8.10	PASS	Test data please refer to Appendix B
Emissions in Restricted Bands	FCC 15.205 FCC 15.209 RSS-Gen Issue 5 Paragraph 8.9	PASS	Test data please refer to Appendix C
Antenna Requirement	FCC 15.203 RSS-Gen Issue 5 Paragraph 6.8	PASS	---

3.4 Power setting in test

Mode	Channel	Frequency (MHz)	Power setting
1Mbps(GFSK_DH5)	00~78	2402~2480	5
2Mbps(Pi/4 DQPSK_DH5)	00~78	2402~2480	6
3Mbps(8DPSK_DH5)	00~78	2402~2480	6

3.5 Test Matrix

Test item	Model: SKI.WB663U.2
Maximum conducted output power	☒
Band edge measurements	☒
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

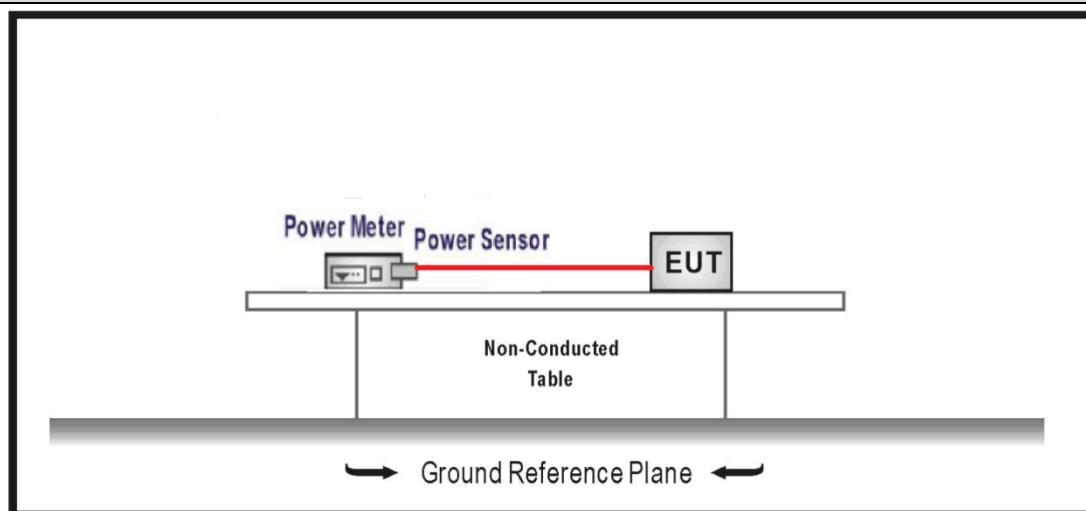
4.1 Maximum conducted output power

VERDICT: PASS

4.1.1 Limit

Standard	FCC Part 15 Subpart C Paragraph 15.247 (a)(1)
☒	Frequency hopping systems operating in the 2400-2483.5 MHz band employing at least 75 non-overlapping hopping channels, and all frequency hopping systems in the 5725-5850 MHz band: 1 watt. For all other frequency hopping systems in the 2400-2483.5 MHz band: 0.125 watts.
☒	Frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an output power no greater than 125 mW.
☐	For frequency hopping systems operating in the 902-928 MHz band: 1 watt for systems employing at least 50 hopping channels; and, 0.25 watts for systems employing less than 50 hopping channels, but at least 25 hopping channels

4.1.2 Test Setup



4.1.3 Test Procedure

	References Rule	Chapter	Description
☒	ANSI C63.10	7.8	Evaluation of frequency-hopping device parameters
☒	ANSI C63.10	7.8.5	Output power test procedure for frequency-hopping spread-spectrum (FHSS) devices

4.2 Band edge measurements

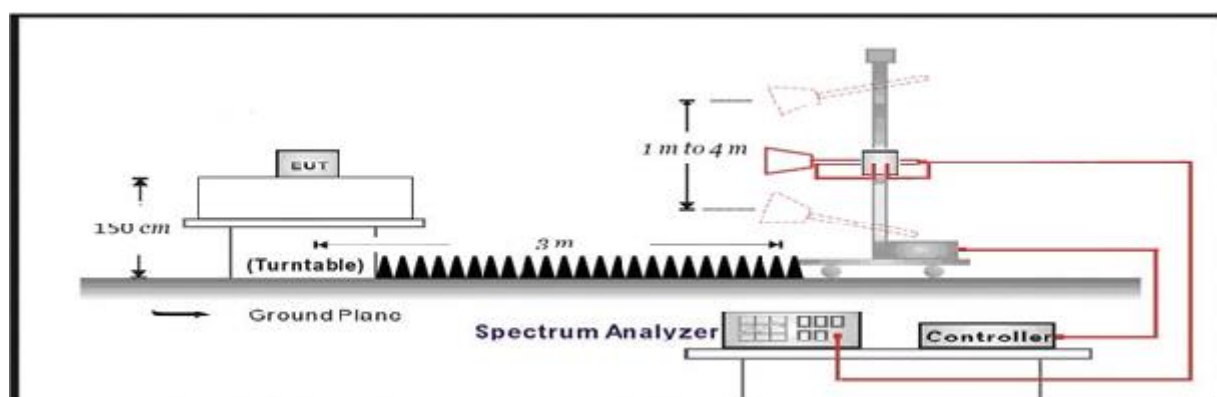
VERDICT: PASS

4.2.1 Limit

Standard				
FCC Part 15 Subpart C Paragraph 15.247(d) , 15.209;				
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.

4.2.2 Test Setup



4.2.3 Test Procedure

Test Method			
	References Rule	Chapter	Description
☐	DA 00-705	N/A	duty cycle correction factor
☒	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	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 Emissions in Restricted Bands**VERDICT: PASS****4.3.1 Limit****Standard**

FCC Part 15 Subpart C Paragraph 15.205

Restricted Bands of operation

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

Restricted Band Emissions Limit

FCC Part 15 Subpart C Paragraph 15.209

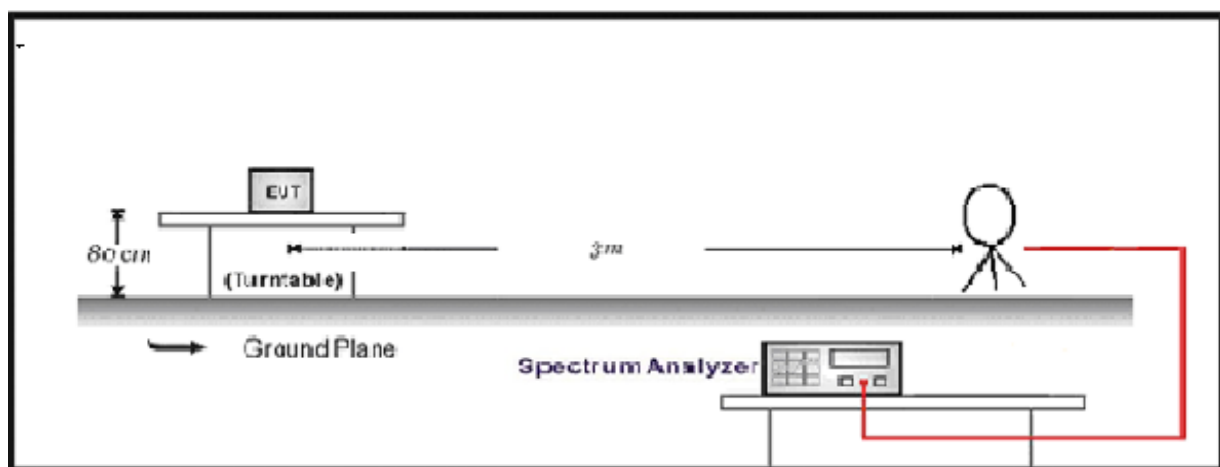
Frequency (MHz)	Field strength ($\mu\text{V/m}$)	Field strength ($\text{dB}\mu\text{V/m}$)	Measurement distance (m)
0.009 - 0.49	2400/F(kHz)	48.5 – 13.8	300 _(Note 1)
0.49 - 1.705	24000/F(kHz)	33.8 - 23	30 _(Note 1)
1.705 - 30	30	29.5	30 _(Note 1)
30 - 88	100	40	3 _(Note 2)
88 - 216	150	43.5	3 _(Note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

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

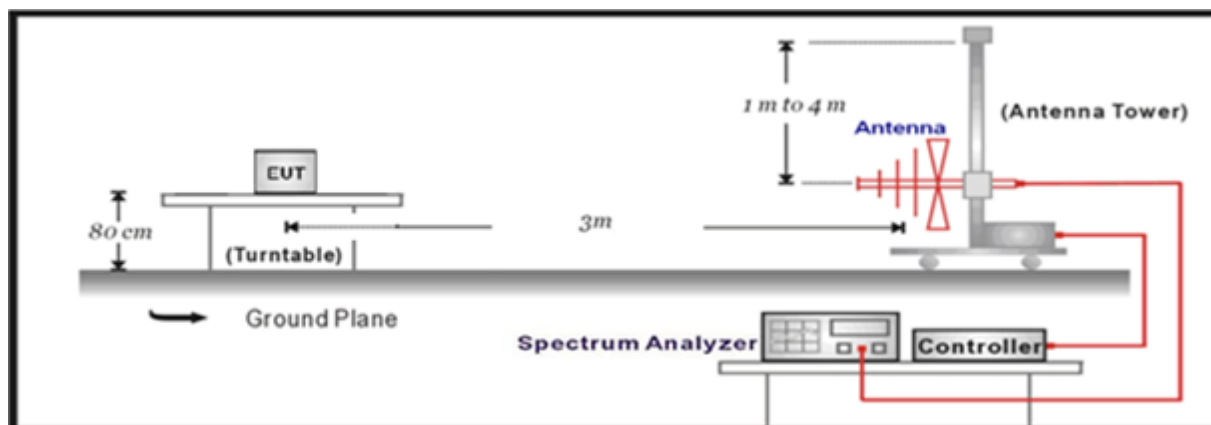
Note 2: At frequencies at or above 30 MHz, measurements may be performed at a distance other than what is specified provided: measurements are not made in the near field except where it can be shown that near field measurements are appropriate due to the characteristics of the device; and it can be demonstrated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

4.3.2 Test Setup

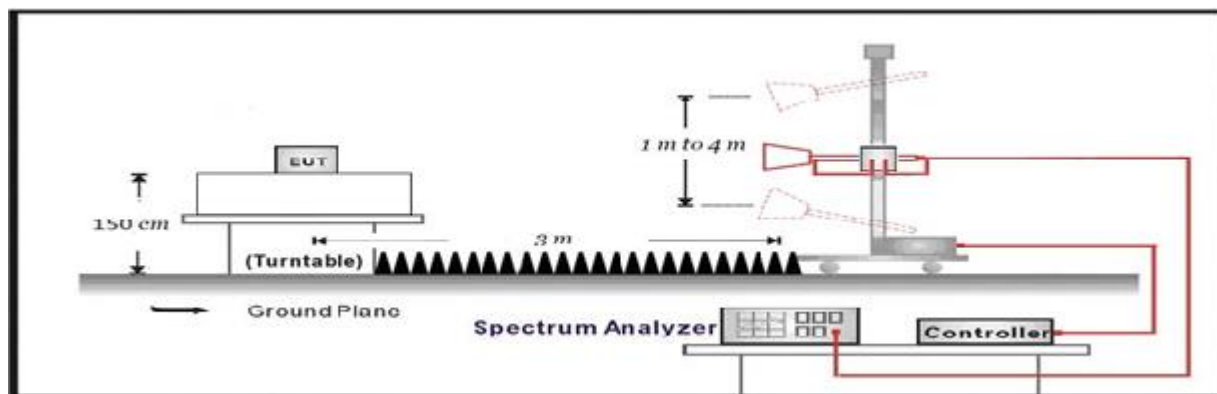
Below 30MHz Test Setup:



30MHz-1GHz Test Setup:



Above 1GHz Test Setup:



4.3.3 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

4.4 Antenna Requirement**VERDICT: PASS****4.4.1 Limit****Standard**

FCC Part 15 Subpart C Paragraph 15.247(d) , 15.209

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.

4.4.2 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: RF Output Power

Mode	Channel	Test Frequency (MHz)	Conducted Power (dBm)	Conducted Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)	Result
Mode 1	00	2402	2.91	≤21	5.62	≤36	Pass
	39	2441	2.75	≤21	5.46	≤36	Pass
	78	2480	2.84	≤21	5.55	≤36	Pass
Mode 2	00	2402	4.95	≤21	7.66	≤36	Pass
	39	2441	4.83	≤21	7.54	≤36	Pass
	78	2480	4.97	≤21	7.68	≤36	Pass
Mode 3	00	2402	5.20	≤21	7.91	≤36	Pass
	39	2441	5.11	≤21	7.82	≤36	Pass
	78	2480	5.41	≤21	8.12	≤36	Pass

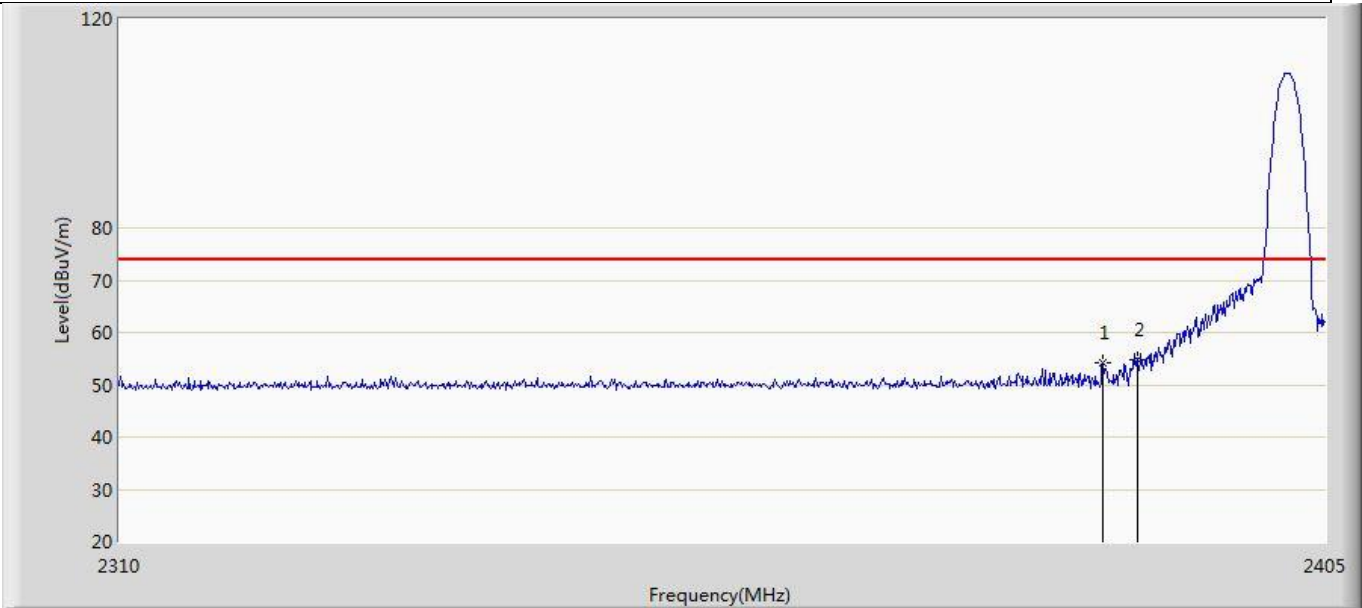
Note 1: EIRP = Conducted power + Antenna gain

Note 2: Please refer to callus 1.2 for antenna gain.

Appendix B: Band edge measurements

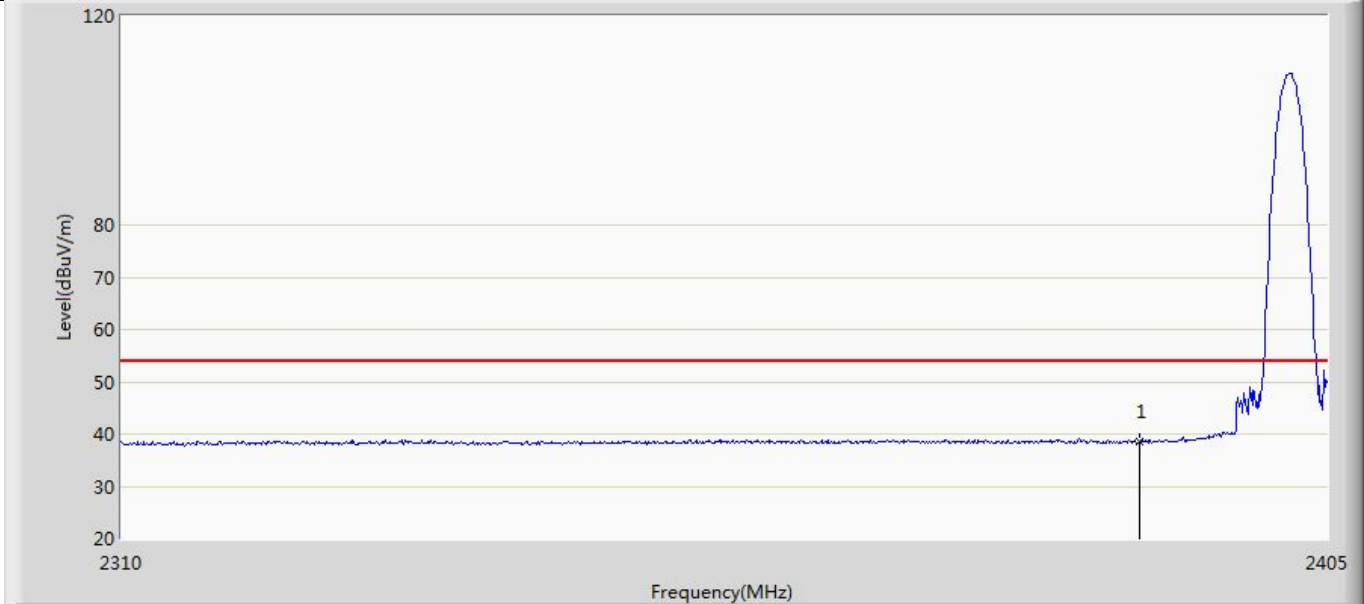
LG North America 43-inch antenna

Profile: 24B0601R	Page No.: 1
Engineer: Yuliu	
Site: AC5	Time: 2024/11/29 - 19:42
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Horizontal
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 1 : Transmit at 2402MHz by DH5	



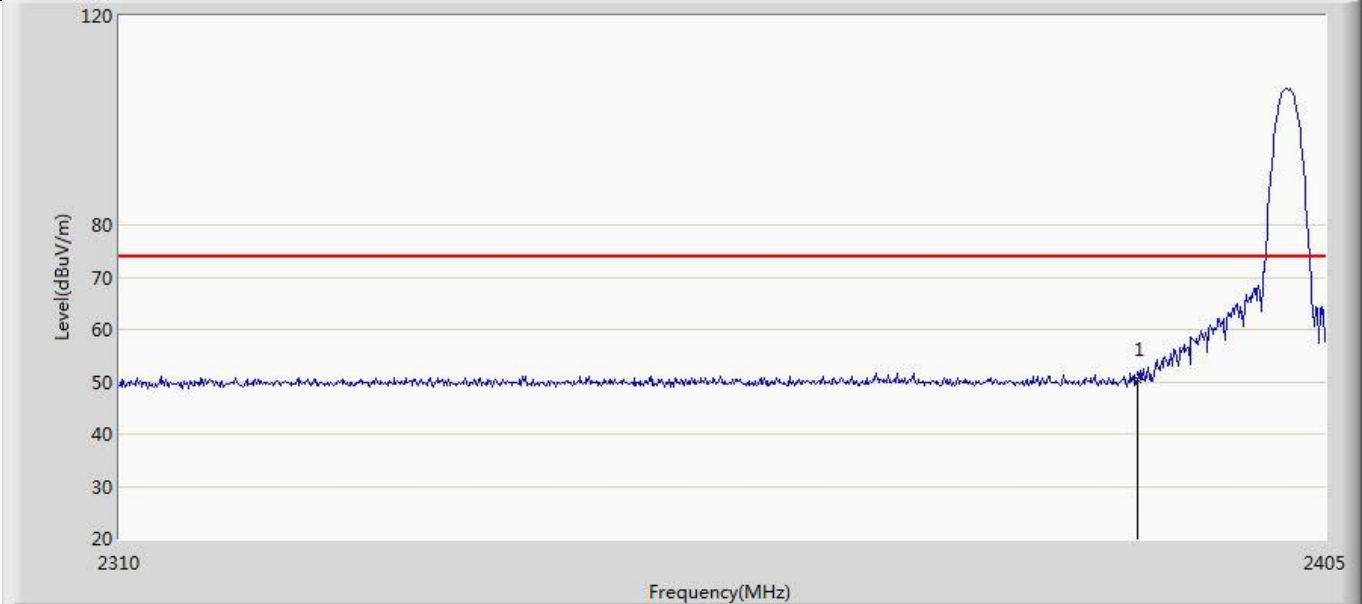
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2387.235	54.228	20.131	-19.772	74.000	34.097	PK
2	*	2390.000	54.904	20.803	-19.096	74.000	34.102	PK

Profile: 24B0601R	Page No.: 2
Engineer: Yuliu	
Site: AC5	Time: 2024/11/29 - 19:48
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Horizontal
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 1 : Transmit at 2402MHz by DH5	



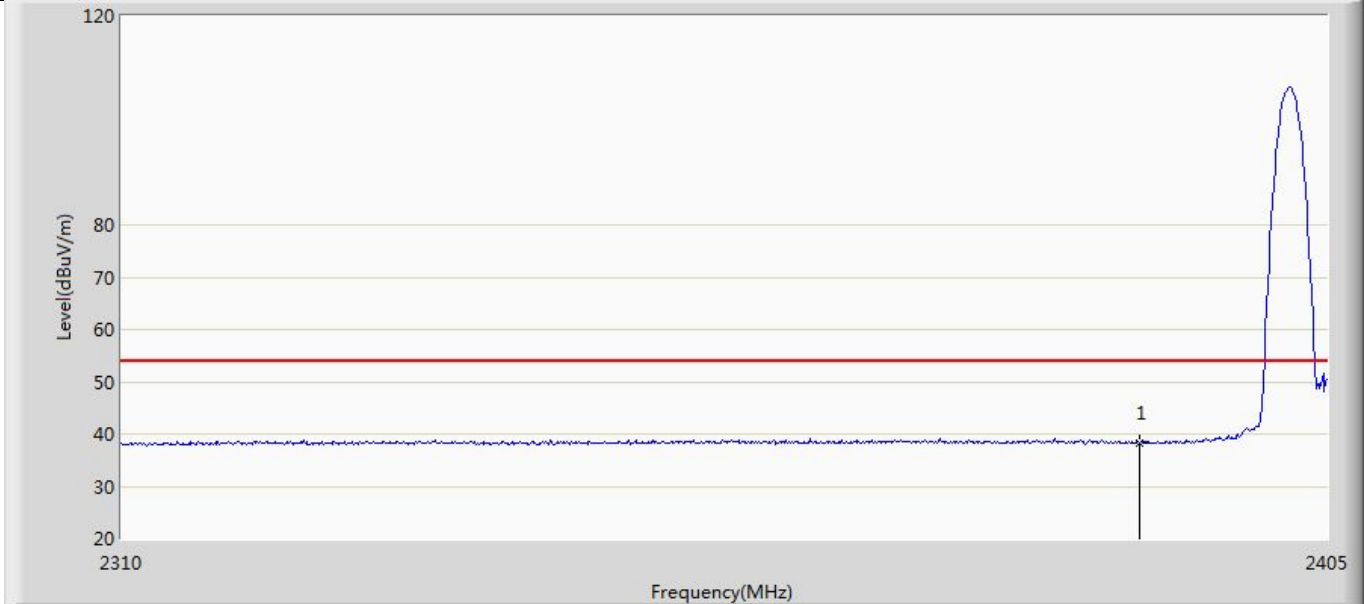
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2390.000	38.519	4.418	-15.481	54.000	34.102	AV

Profile: 24B0601R	Page No.: 3
Engineer: Yuliu	
Site: AC5	Time: 2024/11/29 - 20:01
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Vertical
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 1 : Transmit at 2402MHz by DH5	



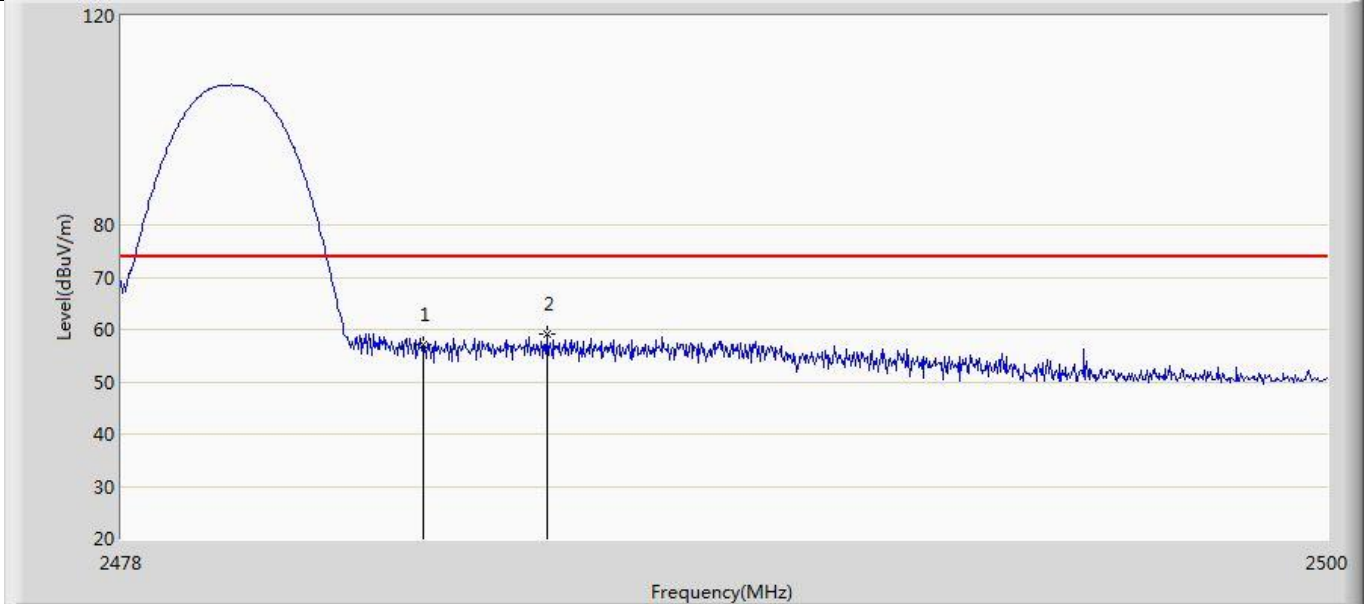
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2390.000	50.348	16.247	-23.652	74.000	34.102	PK

Profile: 24B0601R	Page No.: 4
Engineer: Yuliu	
Site: AC5	Time: 2024/11/29 - 20:04
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Vertical
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 1 : Transmit at 2402MHz by DH5	



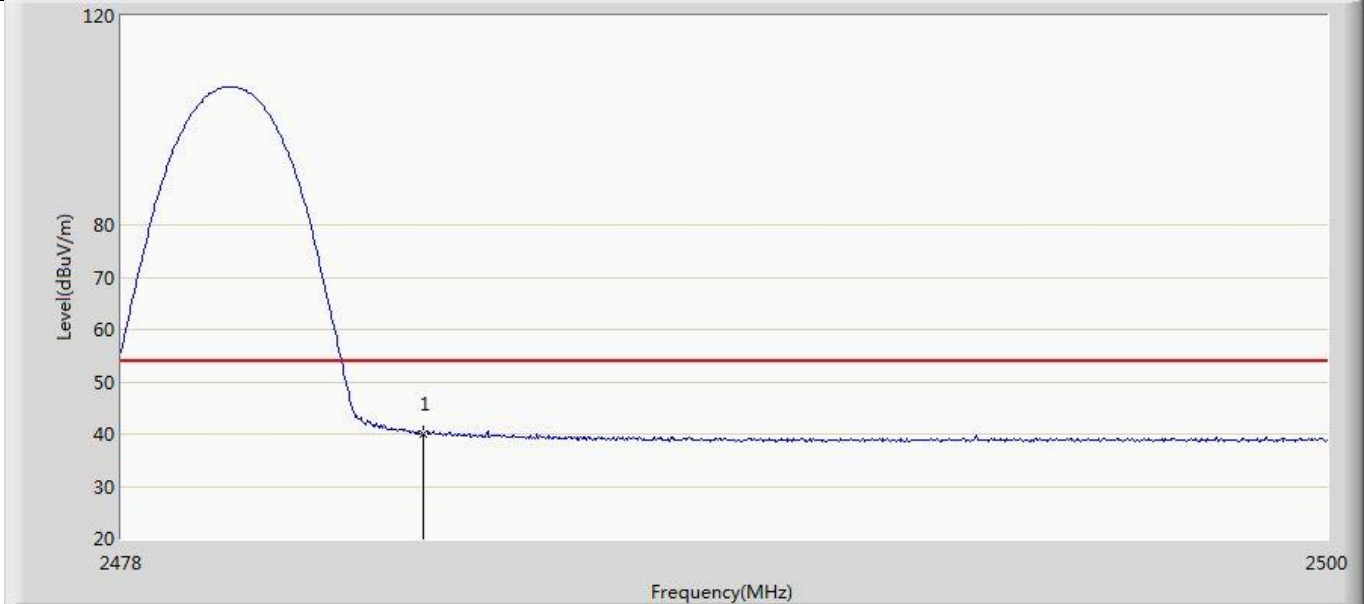
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2390.000	38.307	4.206	-15.693	54.000	34.102	AV

Profile: 24B0601R	Page No.: 5
Engineer: Yuliu	
Site: AC5	Time: 2024/11/29 - 20:06
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Horizontal
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 1 : Transmit at 2480MHz by DH5	



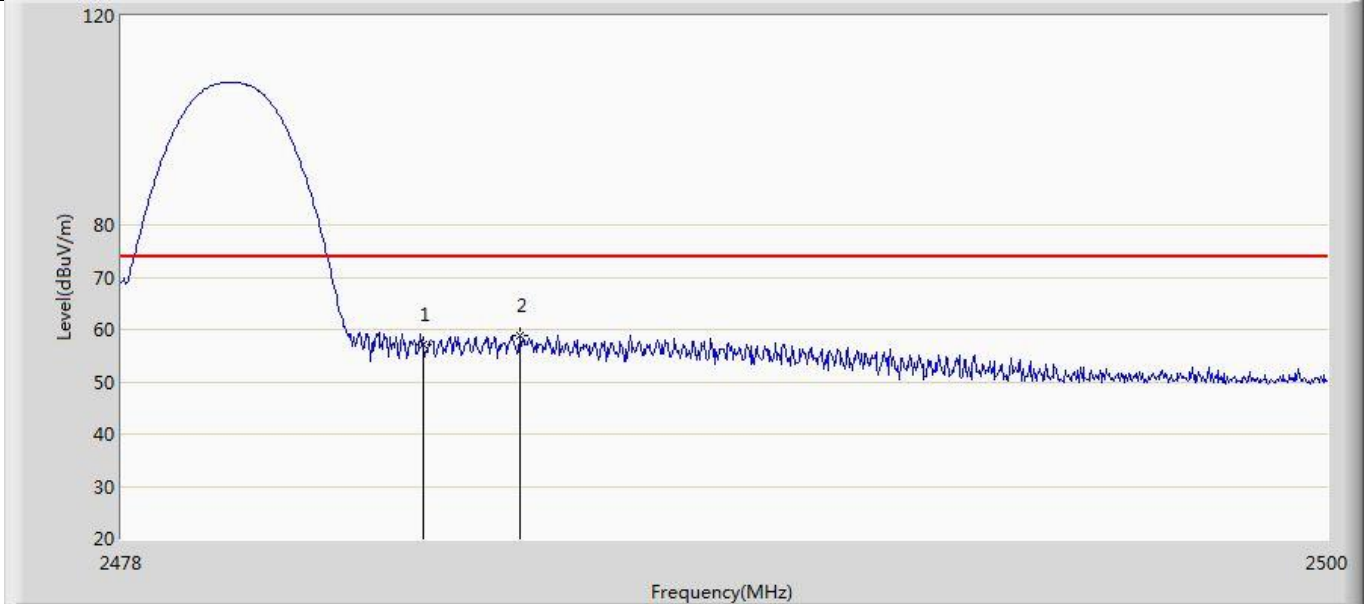
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2483.500	57.064	22.951	-16.936	74.000	34.114	PK
2	*	2485.744	59.051	24.920	-14.949	74.000	34.132	PK

Profile: 24B0601R	Page No.: 6
Engineer: Yuliu	
Site: AC5	Time: 2024/11/29 - 21:09
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Horizontal
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 1 : Transmit at 2480MHz by DH5	



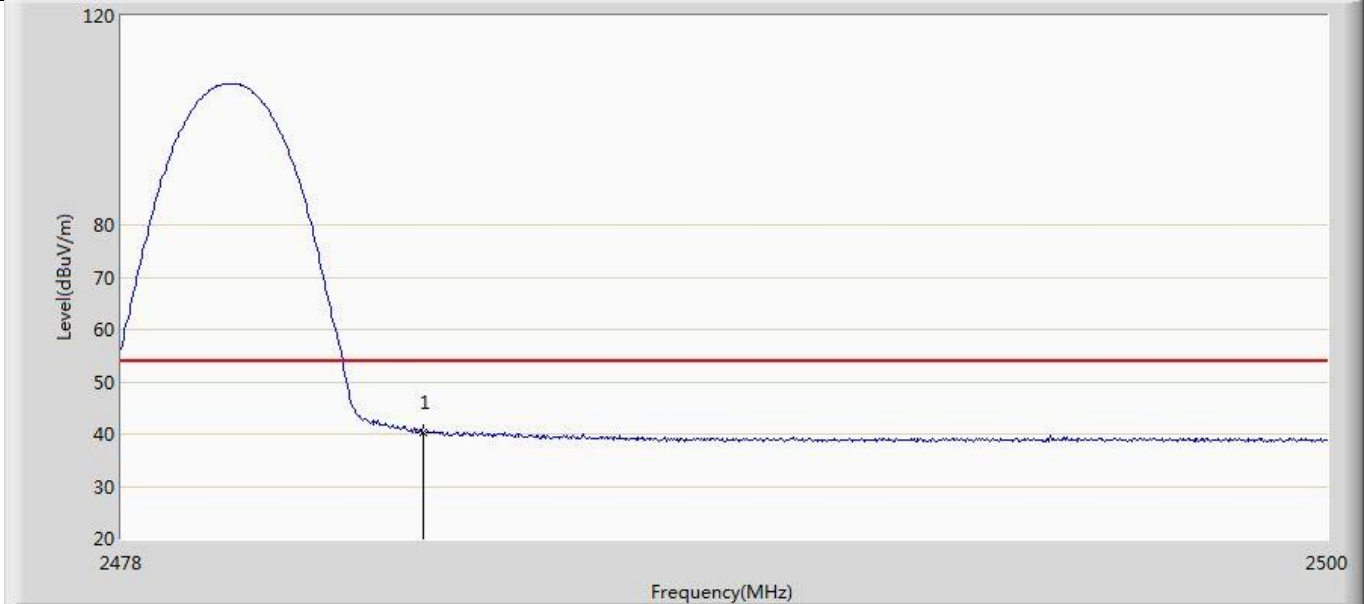
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2483.500	40.103	5.990	-13.897	54.000	34.114	AV

Profile: 24B0601R	Page No.: 7
Engineer: Yuliu	
Site: AC5	Time: 2024/11/29 - 21:10
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Vertical
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 1 : Transmit at 2480MHz by DH5	



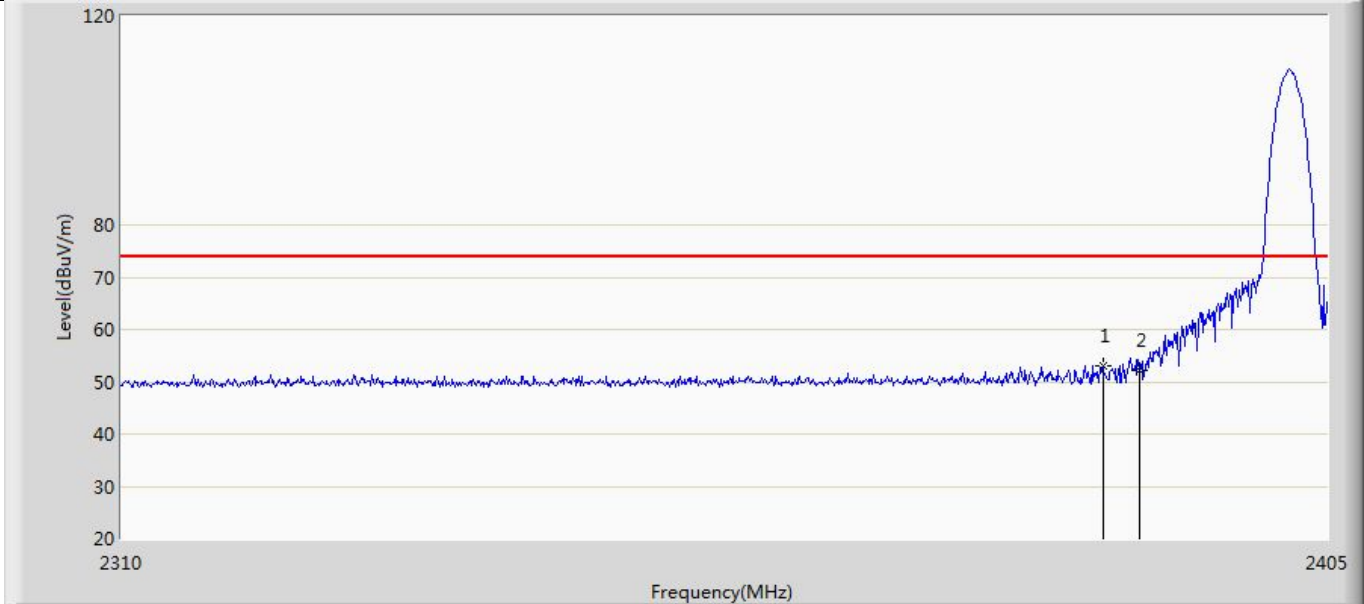
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2483.500	57.156	23.043	-16.844	74.000	34.114	PK
2	*	2485.260	58.728	24.601	-15.272	74.000	34.127	PK

Profile: 24B0601R	Page No.: 8
Engineer: Yuliu	
Site: AC5	Time: 2024/11/29 - 21:16
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Vertical
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 1 : Transmit at 2480MHz by DH5	



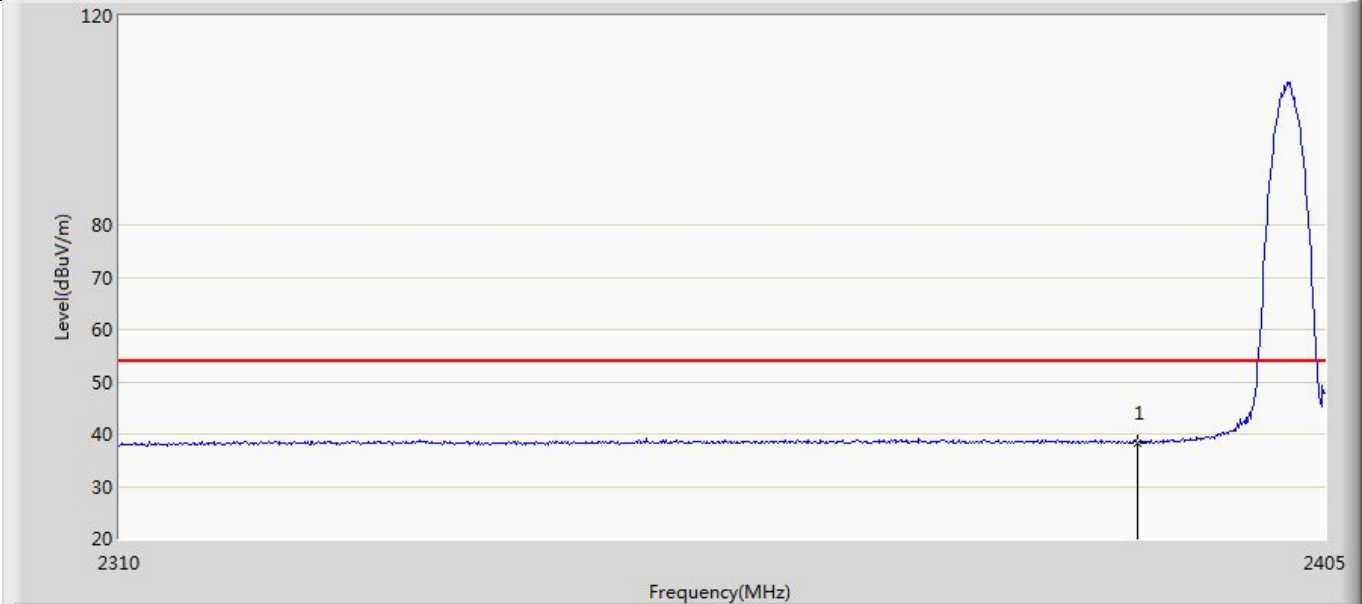
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2483.500	40.177	6.064	-13.823	54.000	34.114	AV

Profile: 24B0601R	Page No.: 9
Engineer: Yuliu	
Site: AC5	Time: 2024/11/29 - 21:18
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Horizontal
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 2 : Transmit at 2402MHz by 2DH5	



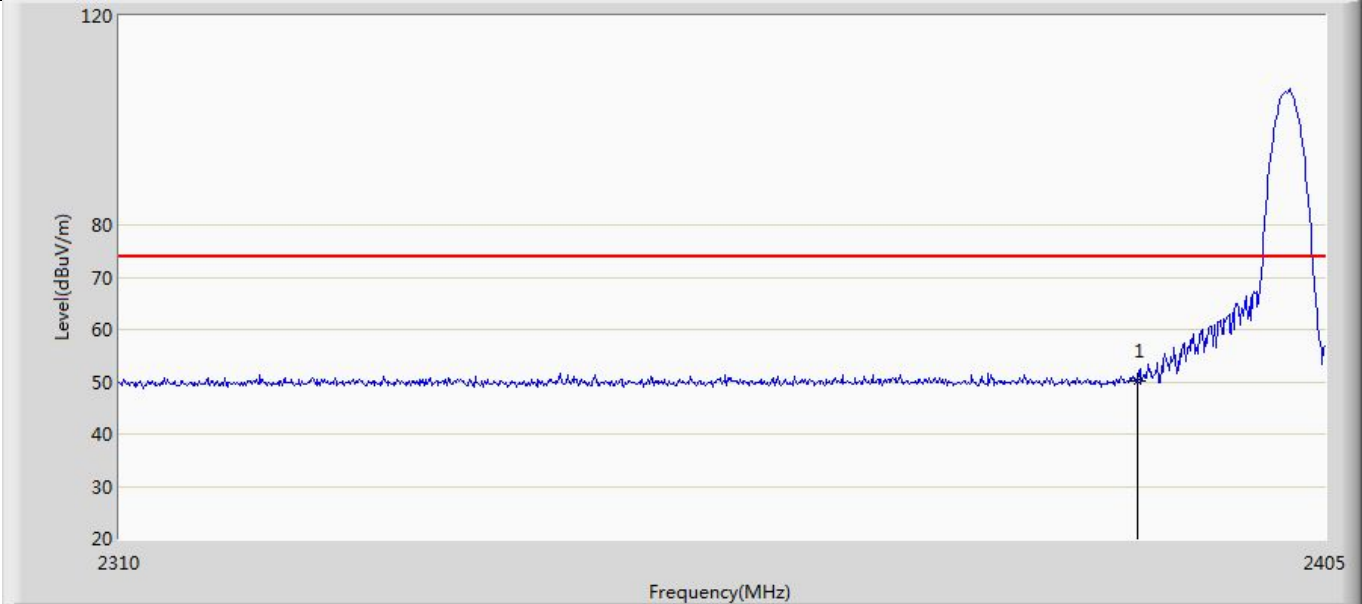
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2387.045	53.177	19.080	-20.823	74.000	34.097	PK
2		2390.000	52.237	18.136	-21.763	74.000	34.102	PK

Profile: 24B0601R	Page No.: 10
Engineer: Yuliu	
Site: AC5	Time: 2024/11/29 - 21:37
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Horizontal
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 2 : Transmit at 2402MHz by 2DH5	



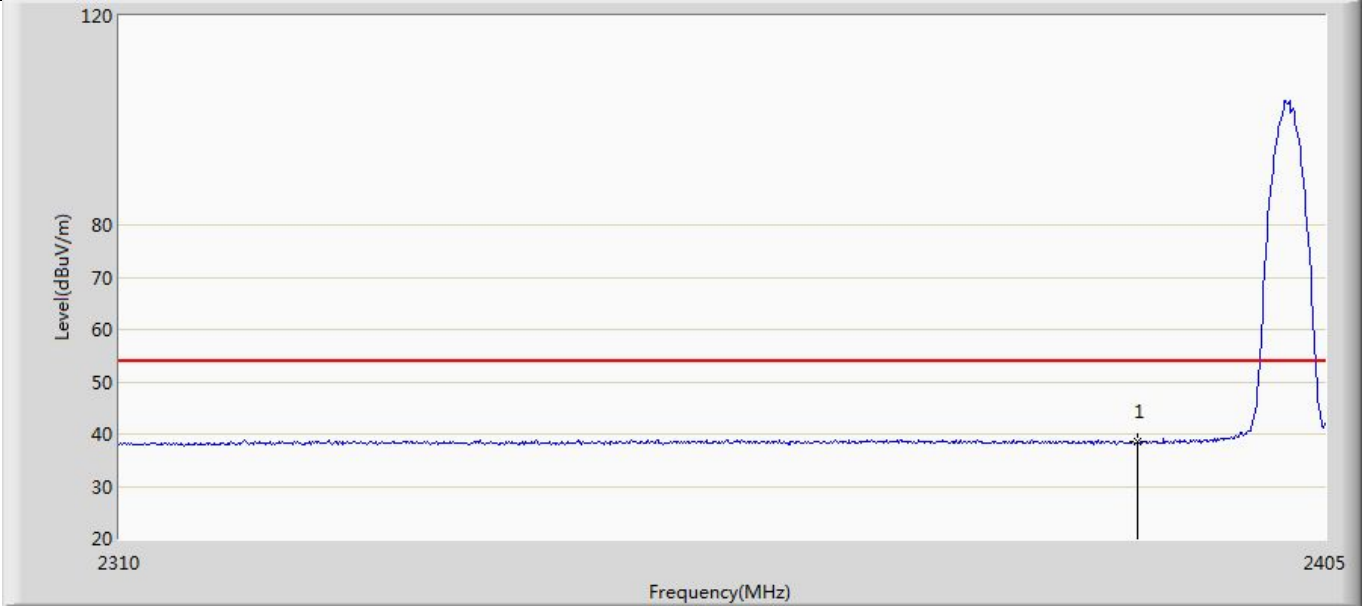
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2390.000	38.392	4.291	-15.608	54.000	34.102	AV

Profile: 24B0601R	Page No.: 11
Engineer: Yuliu	
Site: AC5	Time: 2024/11/29 - 21:41
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Vertical
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 2 : Transmit at 2402MHz by 2DH5	



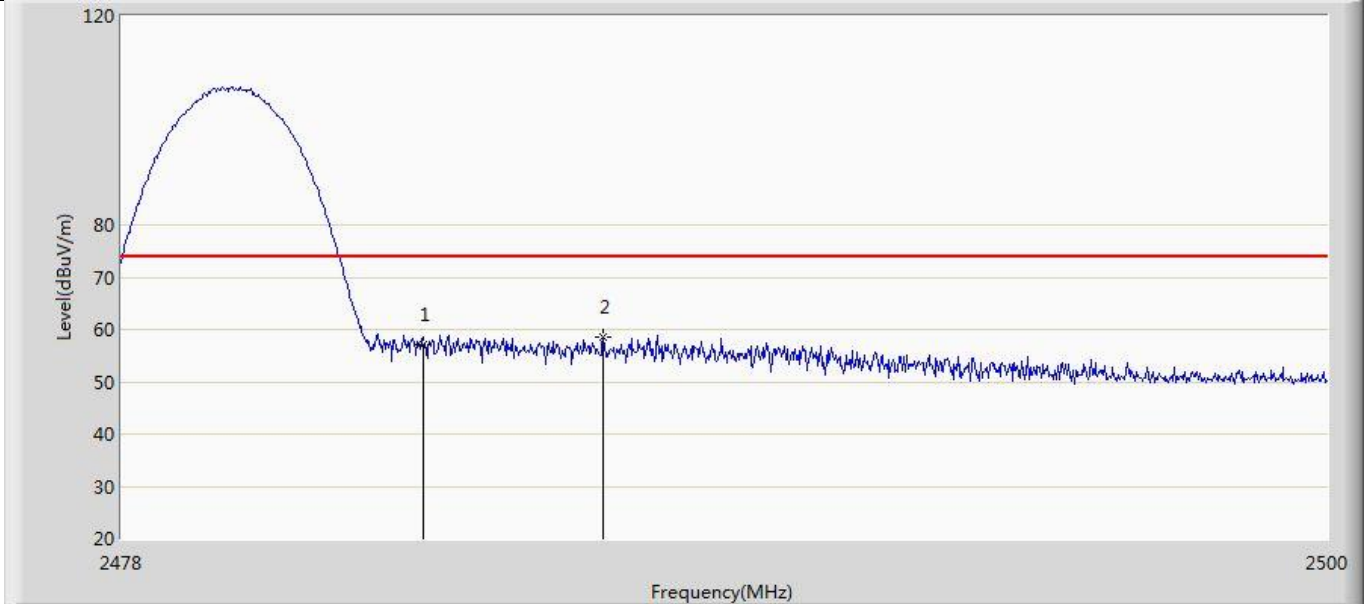
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2390.000	50.031	15.930	-23.969	74.000	34.102	PK

Profile: 24B0601R	Page No.: 12
Engineer: Yuliu	
Site: AC5	Time: 2024/11/29 - 21:42
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Vertical
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 2 : Transmit at 2402MHz by 2DH5	



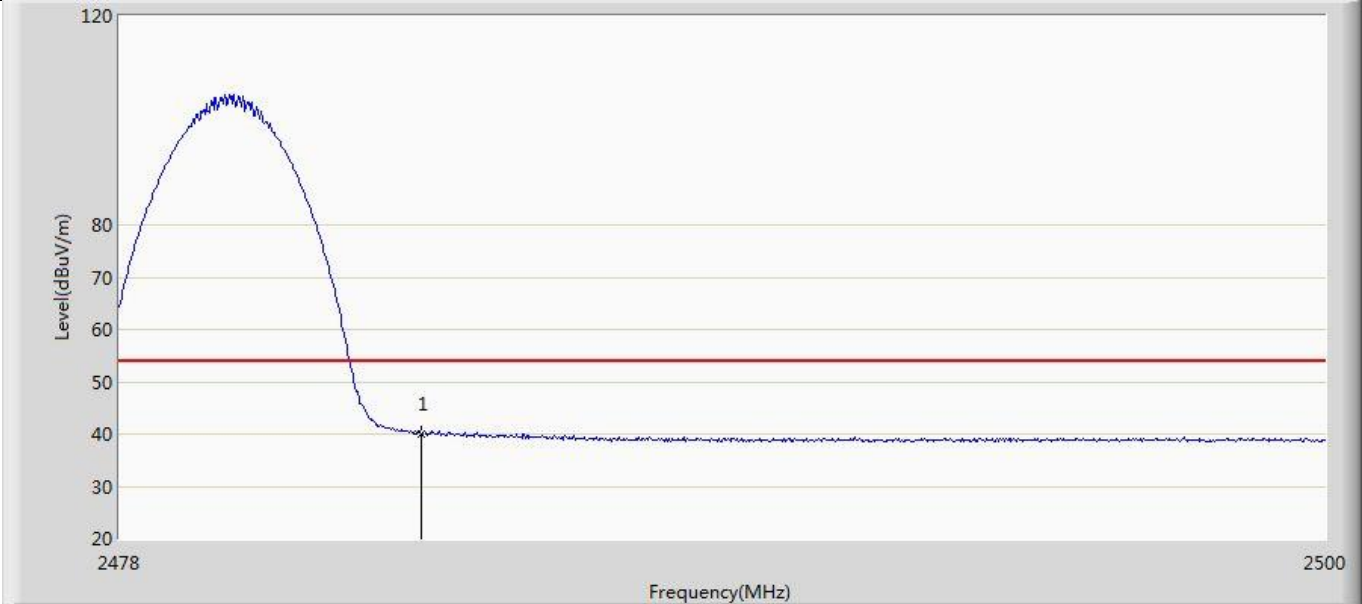
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2390.000	38.458	4.357	-15.542	54.000	34.102	AV

Profile: 24B0601R	Page No.: 13
Engineer: Yuliu	
Site: AC5	Time: 2024/11/29 - 21:44
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Horizontal
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 2 : Transmit at 2480MHz by 2DH5	



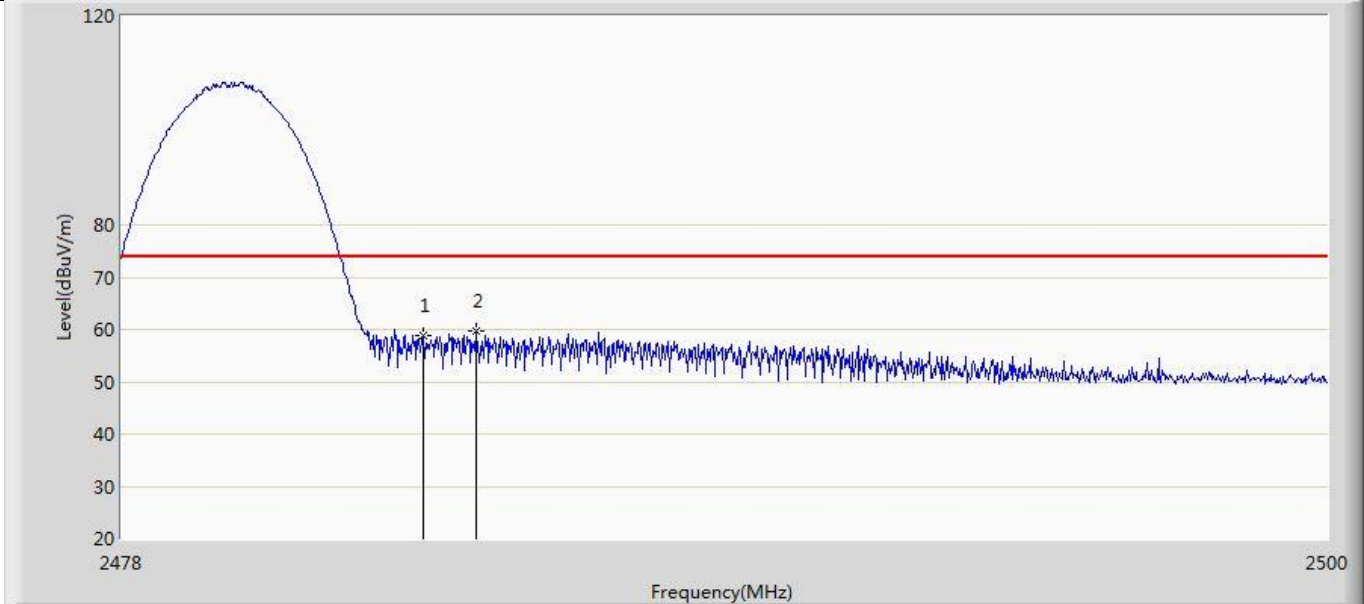
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2483.500	57.052	22.939	-16.948	74.000	34.114	PK
2	*	2486.778	58.491	24.352	-15.509	74.000	34.139	PK

Profile: 24B0601R	Page No.: 14
Engineer: Yuliu	
Site: AC5	Time: 2024/11/29 - 21:46
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Horizontal
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 2 : Transmit at 2480MHz by 2DH5	



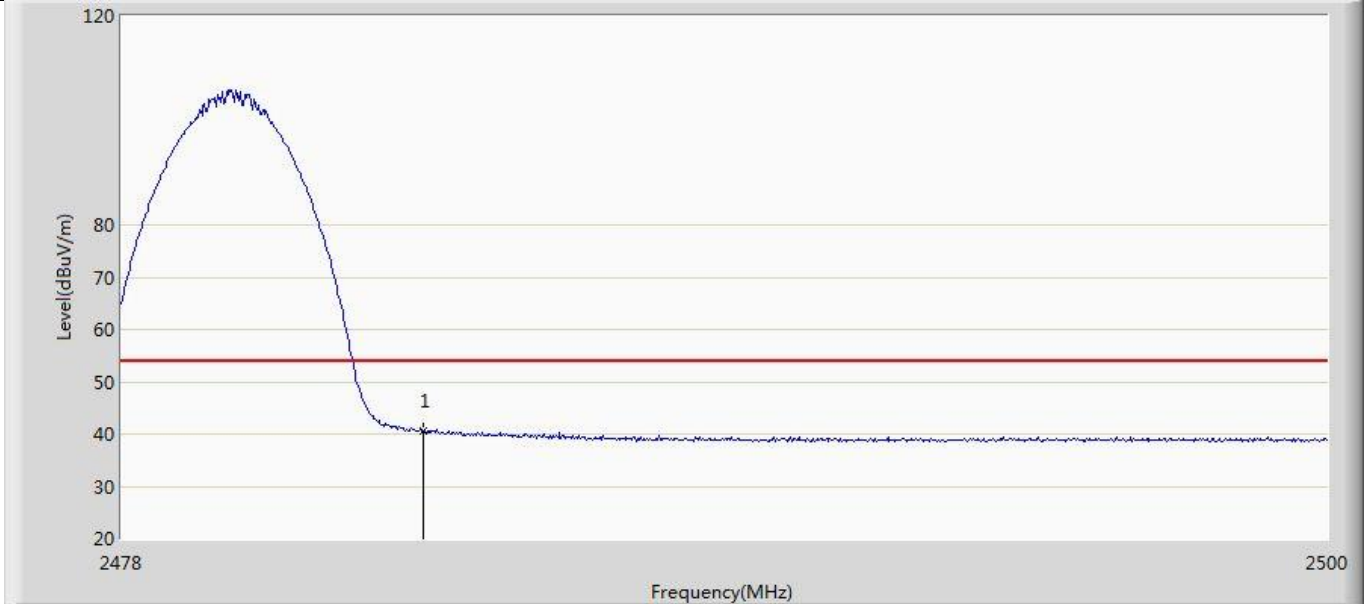
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2483.500	40.011	5.898	-13.989	54.000	34.114	AV

Profile: 24B0601R	Page No.: 15
Engineer: Yuliu	
Site: AC5	Time: 2024/11/29 - 21:48
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Vertical
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 2 : Transmit at 2480MHz by 2DH5	



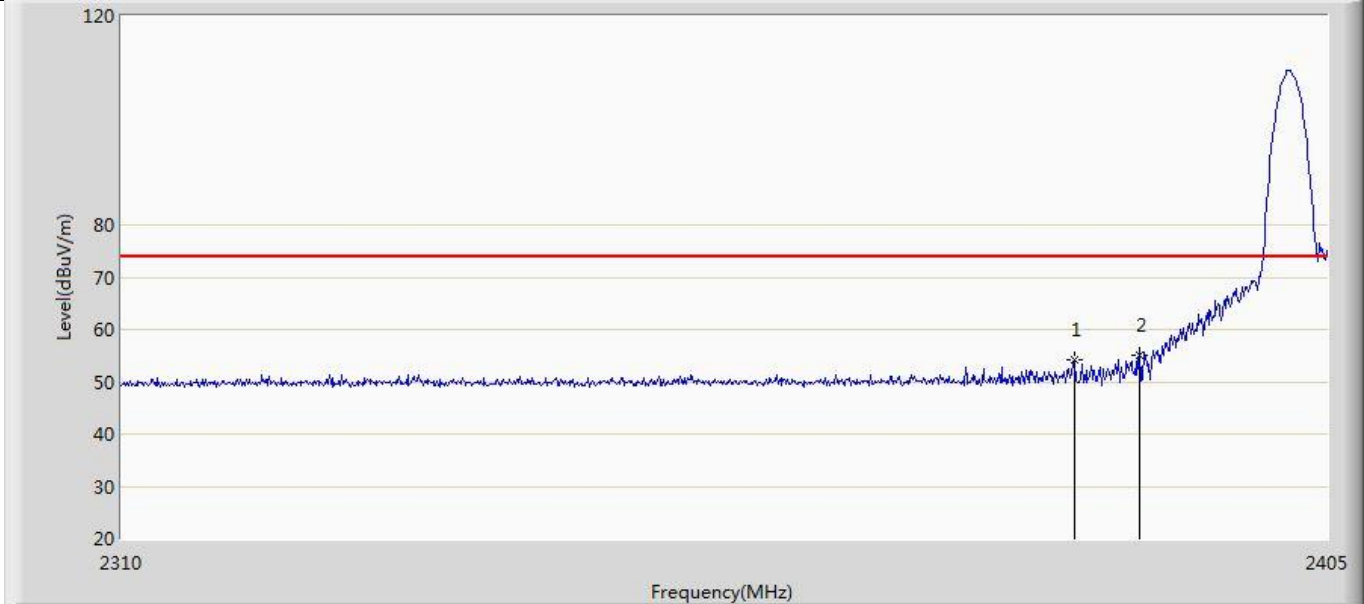
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2483.500	58.704	24.591	-15.296	74.000	34.114	PK
2	*	2484.446	59.817	25.696	-14.183	74.000	34.120	PK

Profile: 24B0601R	Page No.: 16
Engineer: Yuliu	
Site: AC5	Time: 2024/11/29 - 21:49
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Vertical
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 2 : Transmit at 2480MHz by 2DH5	



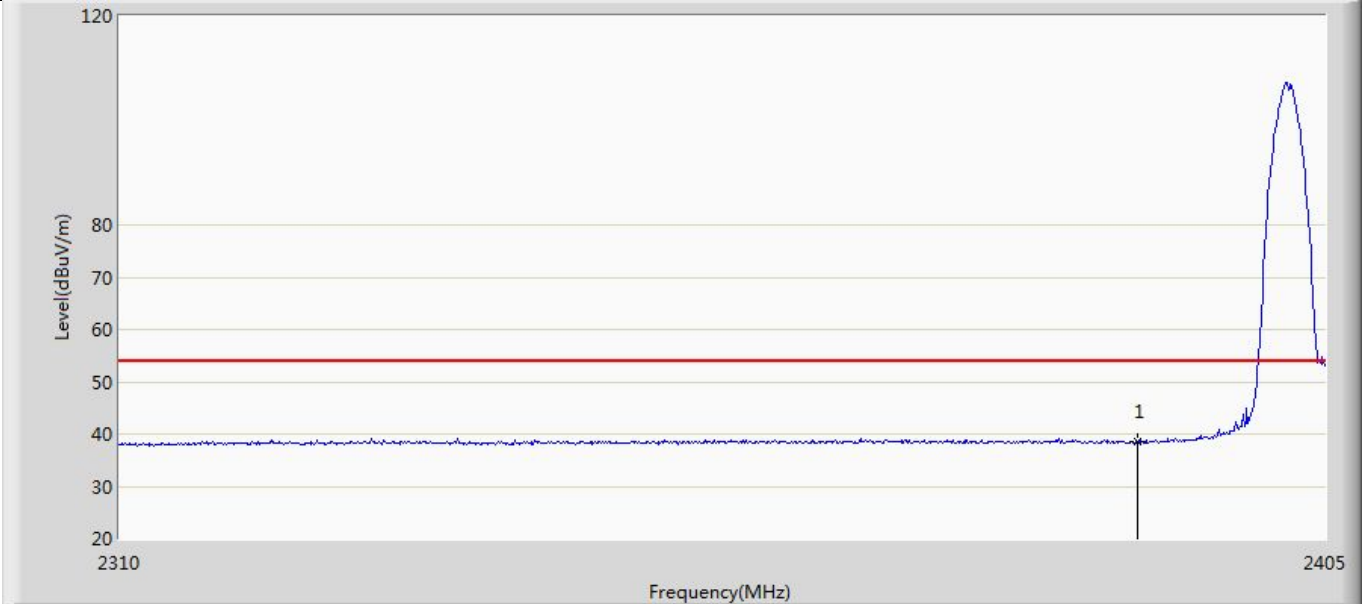
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2483.500	40.478	6.365	-13.522	54.000	34.114	AV

Profile: 24B0601R	Page No.: 17
Engineer: Yuliu	
Site: AC5	Time: 2024/11/29 - 21:50
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Horizontal
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 3 : Transmit at 2402MHz by 3DH5	



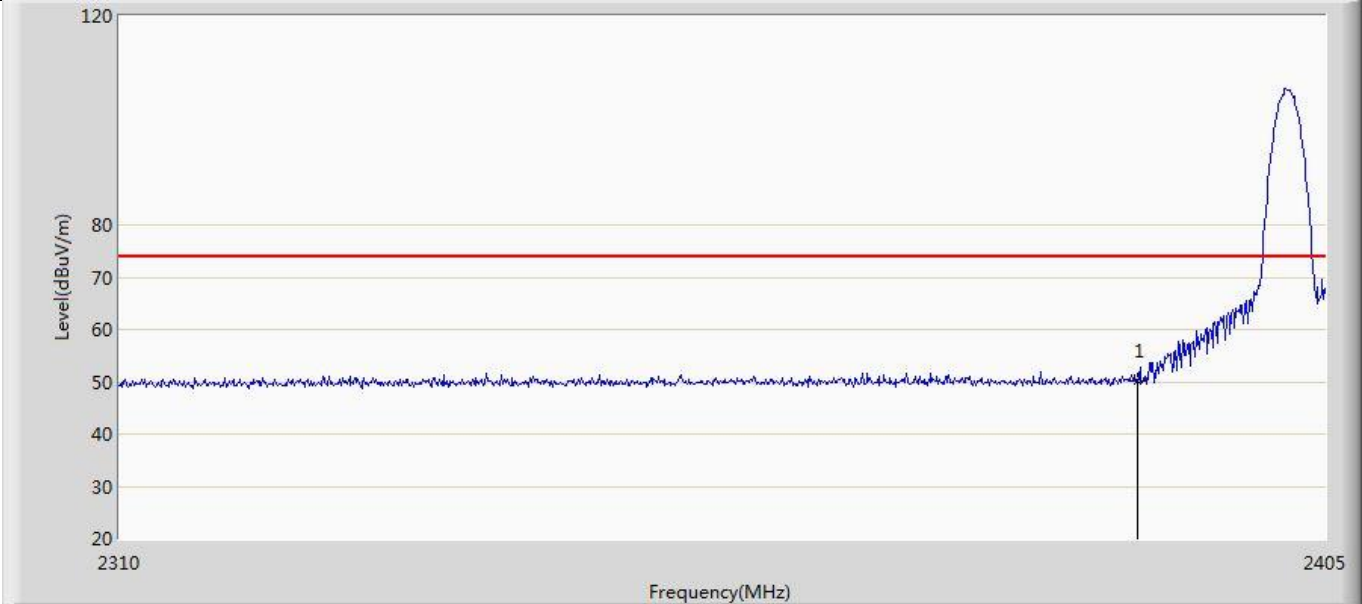
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2384.860	54.166	20.072	-19.834	74.000	34.094	PK
2	*	2390.000	54.980	20.879	-19.020	74.000	34.102	PK

Profile: 24B0601R	Page No.: 18
Engineer: Yuliu	
Site: AC5	Time: 2024/11/29 - 21:53
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Horizontal
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 3 : Transmit at 2402MHz by 3DH5	



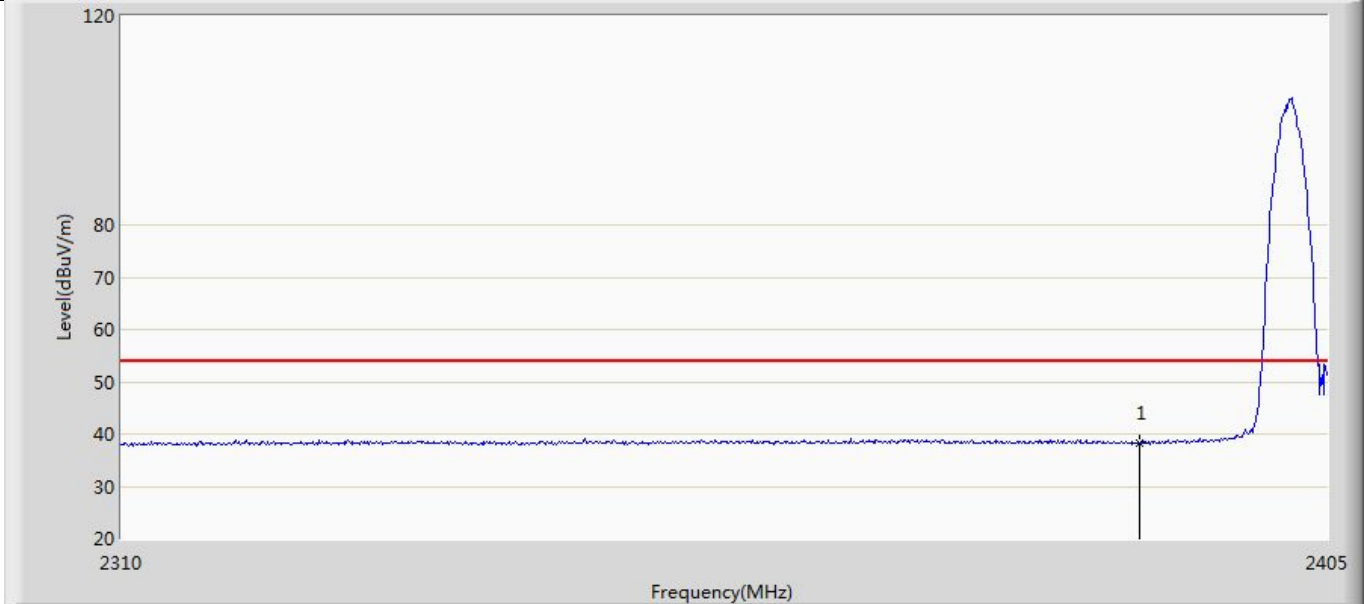
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2390.000	38.577	4.476	-15.423	54.000	34.102	AV

Profile: 24B0601R	Page No.: 19
Engineer: Yuliu	
Site: AC5	Time: 2024/11/29 - 21:53
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Vertical
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 3 : Transmit at 2402MHz by 3DH5	



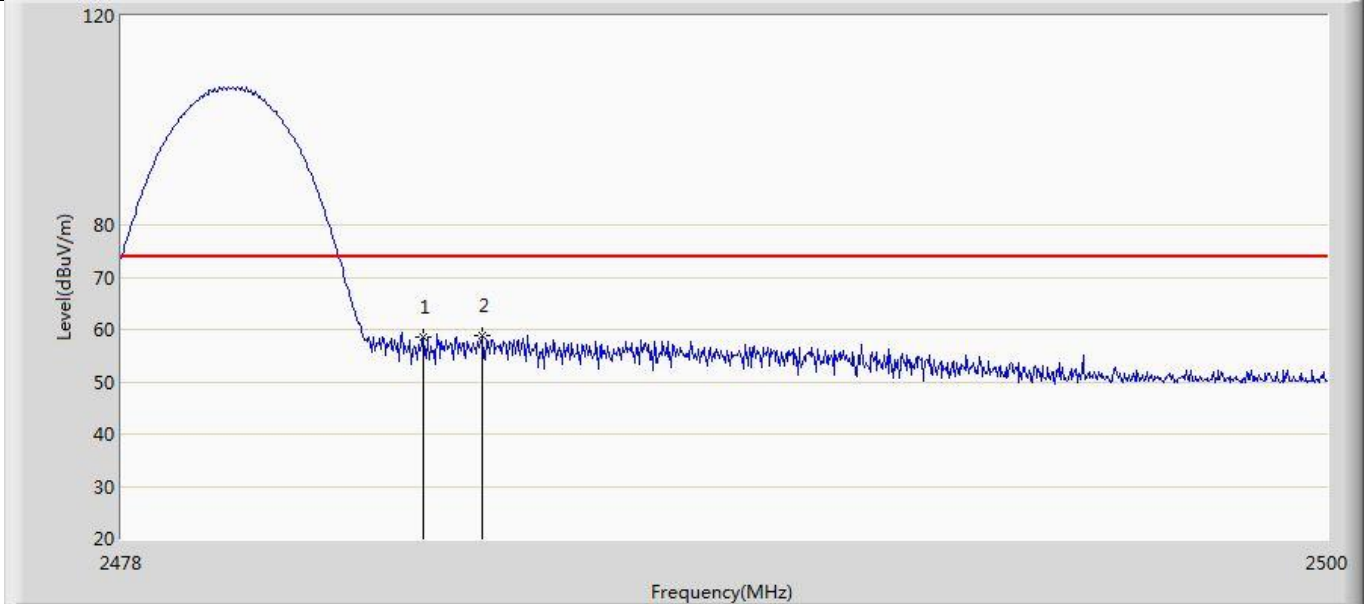
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2390.000	50.146	16.045	-23.854	74.000	34.102	PK

Profile: 24B0601R	Page No.: 20
Engineer: Yuliu	
Site: AC5	Time: 2024/11/29 - 21:55
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Vertical
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 3 : Transmit at 2402MHz by 3DH5	



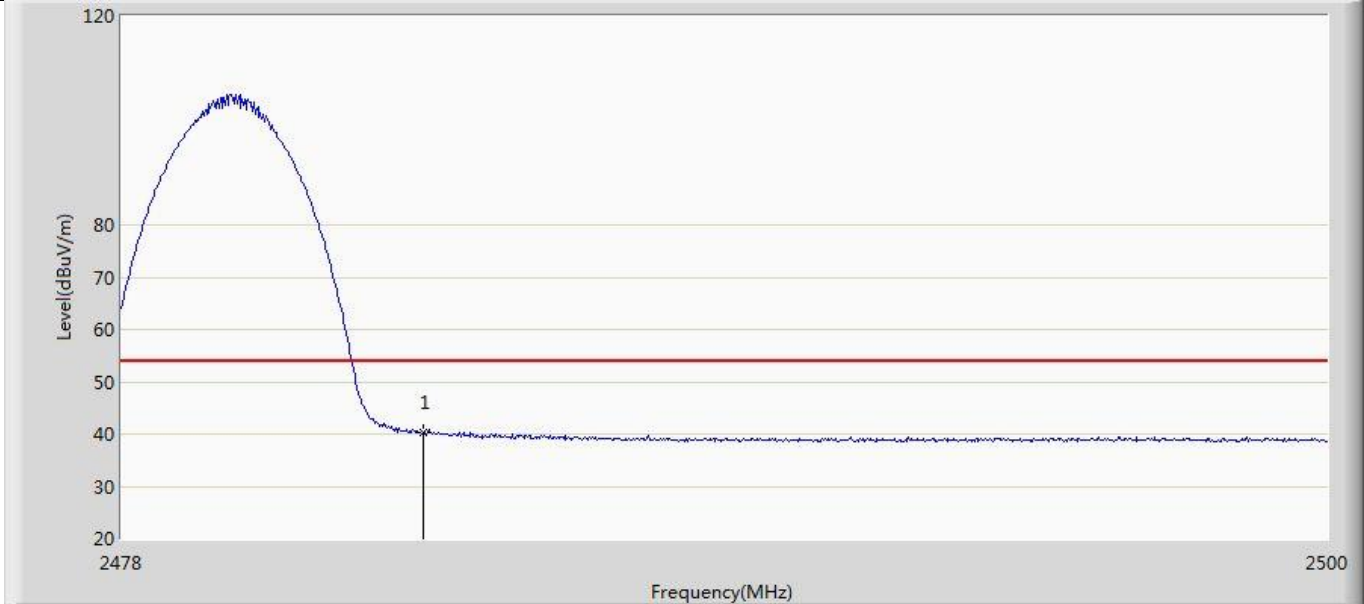
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2390.000	38.289	4.188	-15.711	54.000	34.102	AV

Profile: 24B0601R	Page No.: 21
Engineer: Yuliu	
Site: AC5	Time: 2024/11/29 - 21:56
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Horizontal
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 3 : Transmit at 2480MHz by 3DH5	



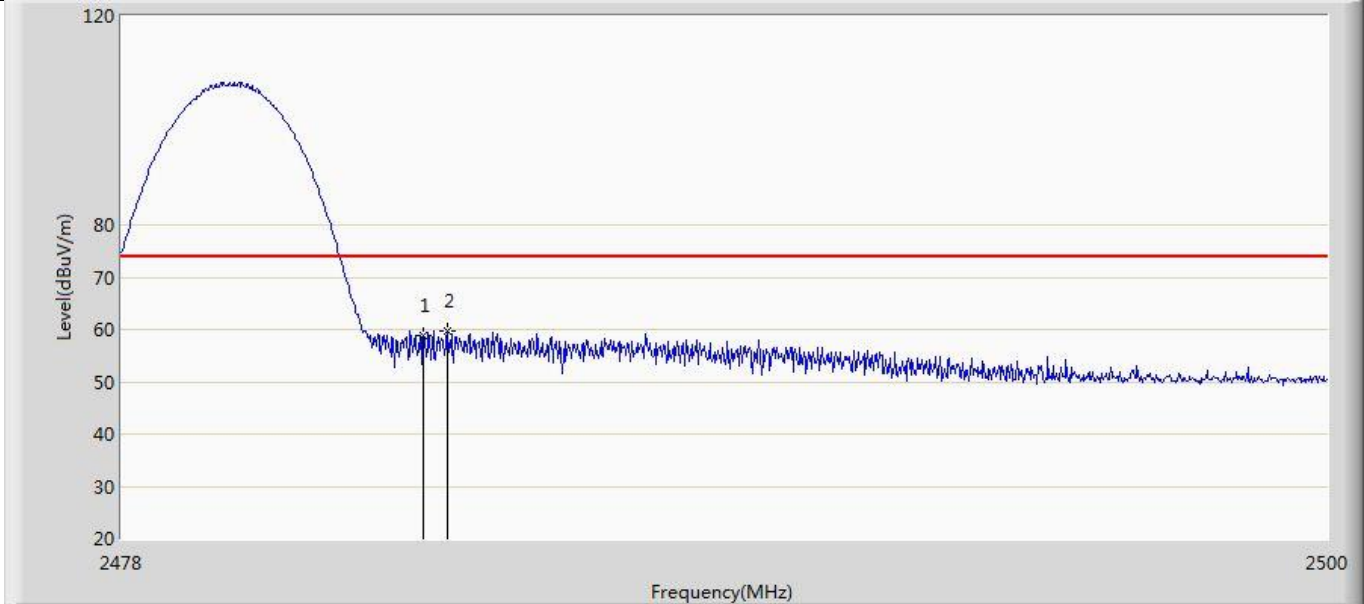
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2483.500	58.458	24.345	-15.542	74.000	34.114	PK
2	*	2484.578	58.842	24.720	-15.158	74.000	34.122	PK

Profile: 24B0601R	Page No.: 22
Engineer: Yuliu	
Site: AC5	Time: 2024/11/29 - 21:58
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Horizontal
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 3 : Transmit at 2480MHz by 3DH5	



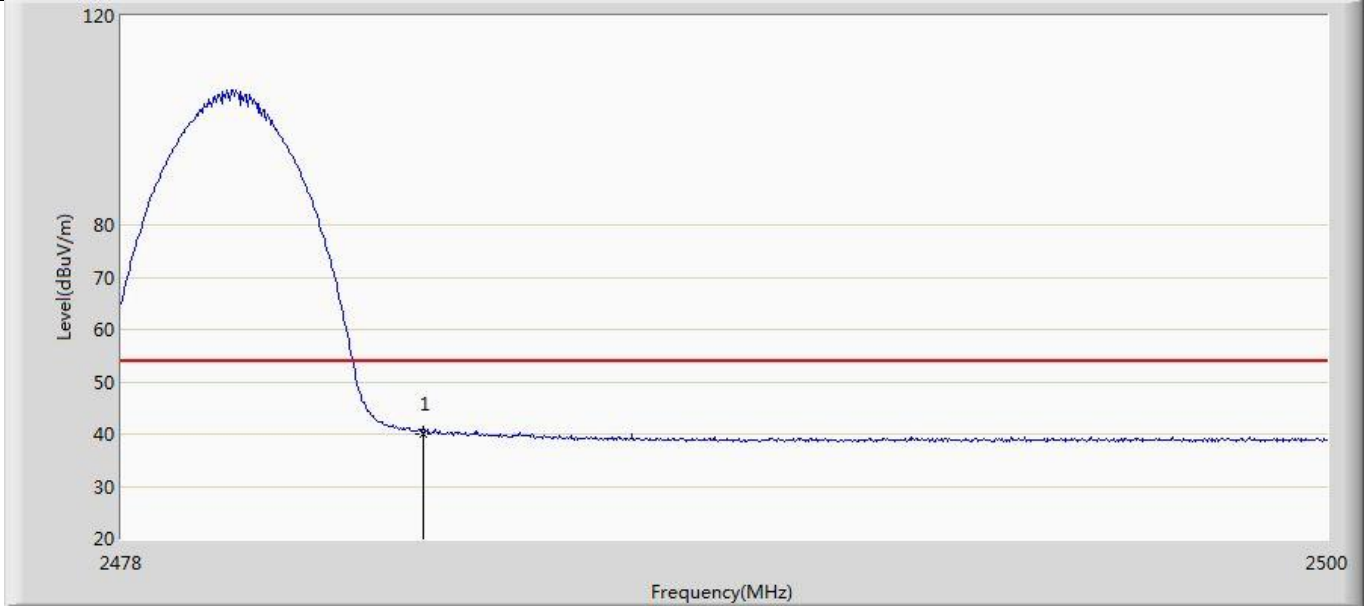
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2483.500	40.267	6.154	-13.733	54.000	34.114	AV

Profile: 24B0601R	Page No.: 23
Engineer: Yuliu	
Site: AC5	Time: 2024/11/29 - 21:58
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Vertical
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 3 : Transmit at 2480MHz by 3DH5	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2483.500	58.735	24.622	-15.265	74.000	34.114	PK
2	*	2483.940	59.577	25.460	-14.423	74.000	34.117	PK

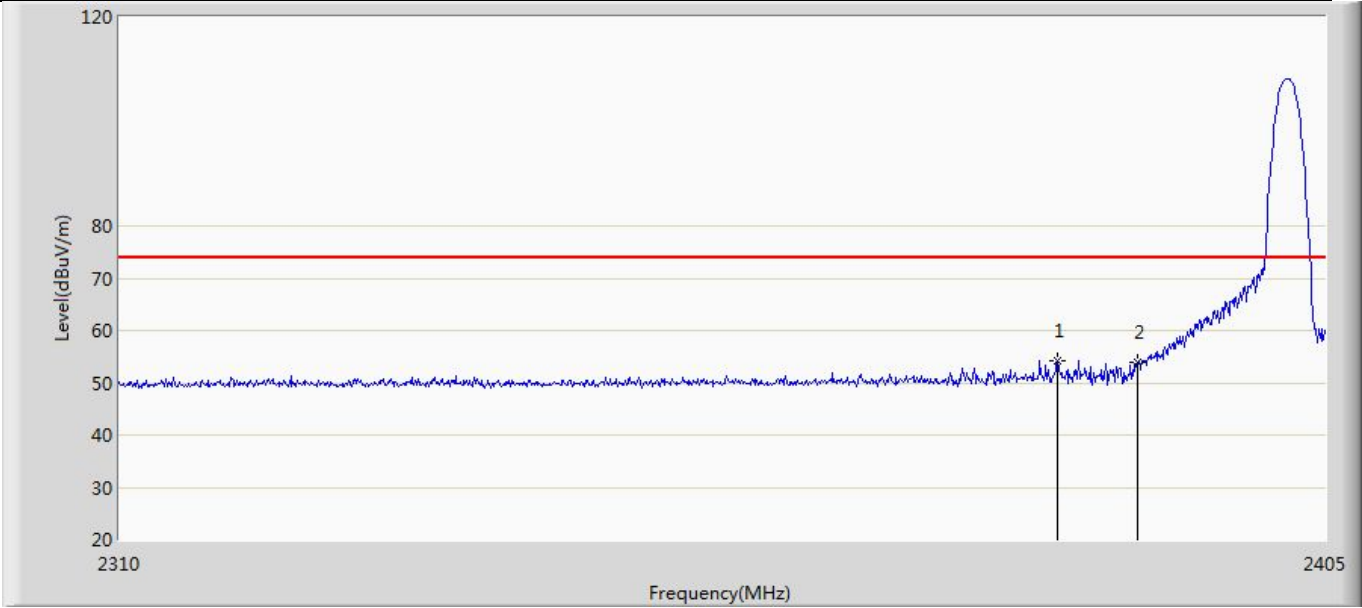
Profile: 24B0601R	Page No.: 24
Engineer: Yuliu	
Site: AC5	Time: 2024/11/29 - 22:00
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Vertical
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 3 : Transmit at 2480MHz by 3DH5	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2483.500	40.137	6.024	-13.863	54.000	34.114	AV

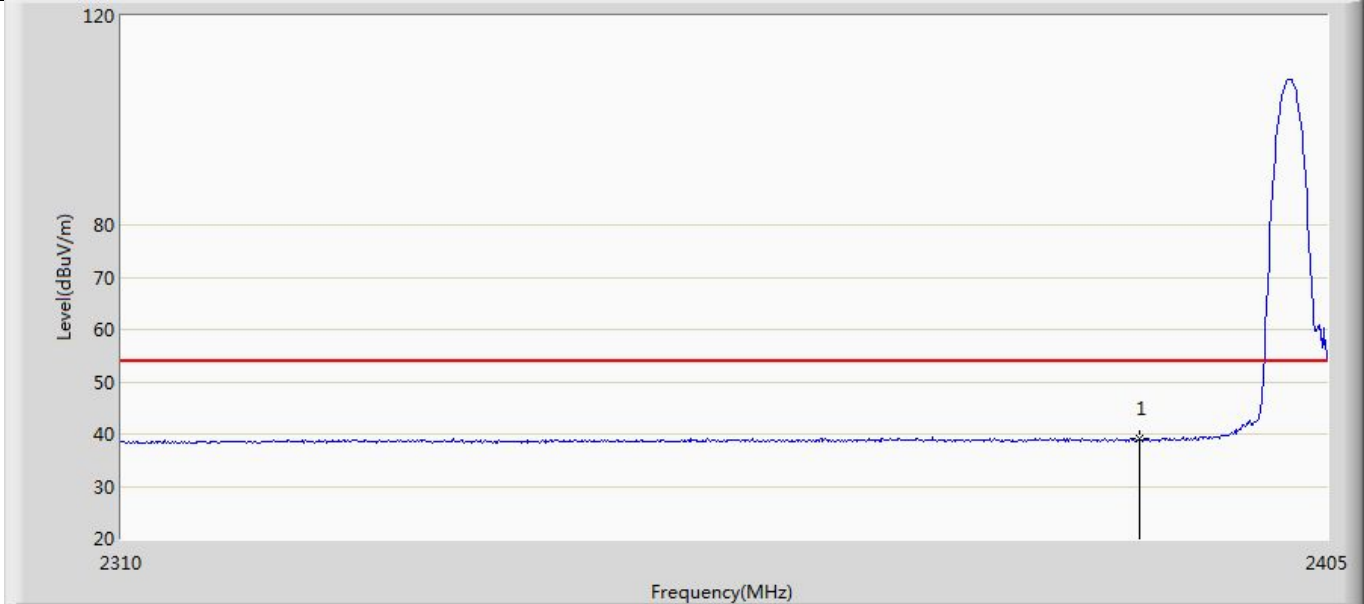
LG North America 65-inch antenna

Profile: 24B0601R	Page No.: 1
Engineer: Yuliu	
Site: AC5	Time: 2024/11/29 - 19:42
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Horizontal
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 1 : Transmit at 2402MHz by DH5	



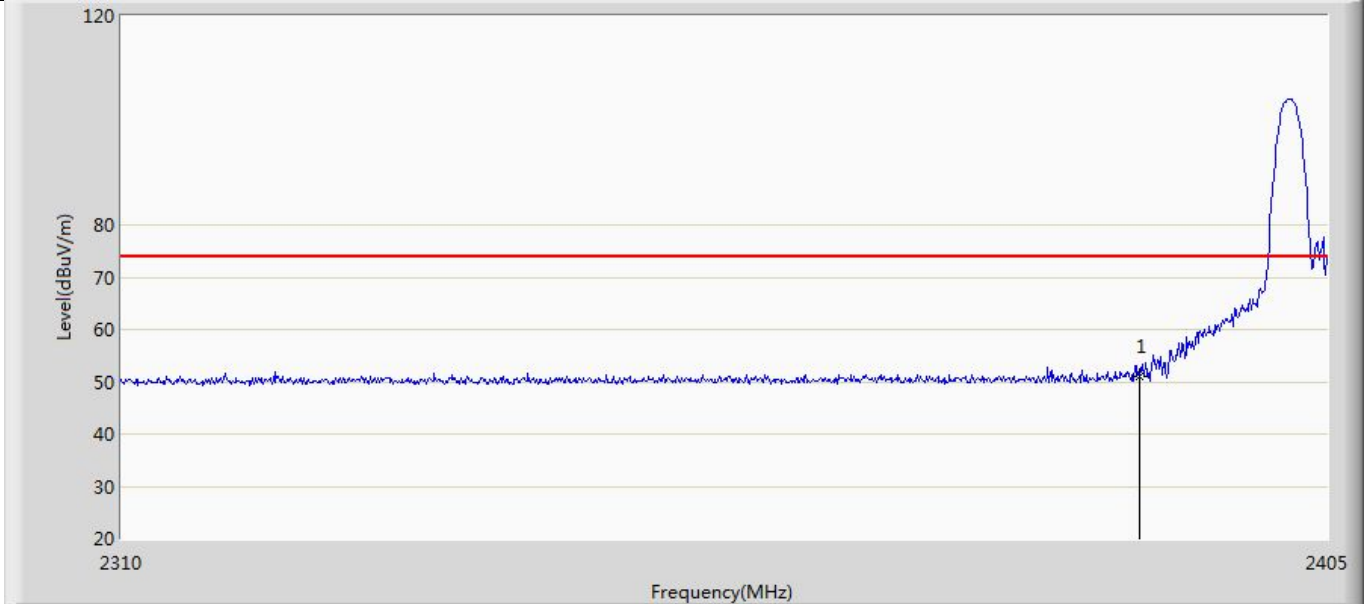
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2383.625	54.246	20.154	-19.754	74.000	34.092	PK
2		2390.000	53.815	19.714	-20.185	74.000	34.102	PK

Profile: 24B0601R	Page No.: 2
Engineer: Yuliu	
Site: AC5	Time: 2024/11/29 - 19:48
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Horizontal
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 1 : Transmit at 2402MHz by DH5	



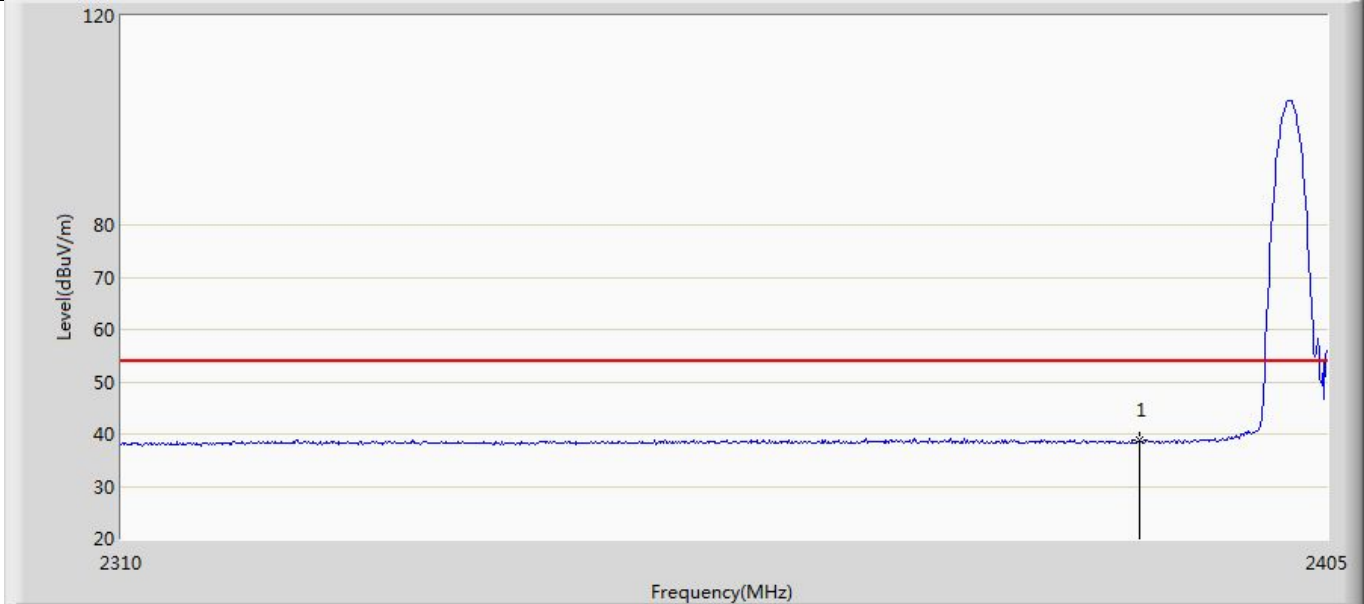
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2390.000	39.012	4.911	-14.988	54.000	34.102	AV

Profile: 24B0601R	Page No.: 3
Engineer: Yuliu	
Site: AC5	Time: 2024/11/29 - 20:01
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Vertical
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 1 : Transmit at 2402MHz by DH5	



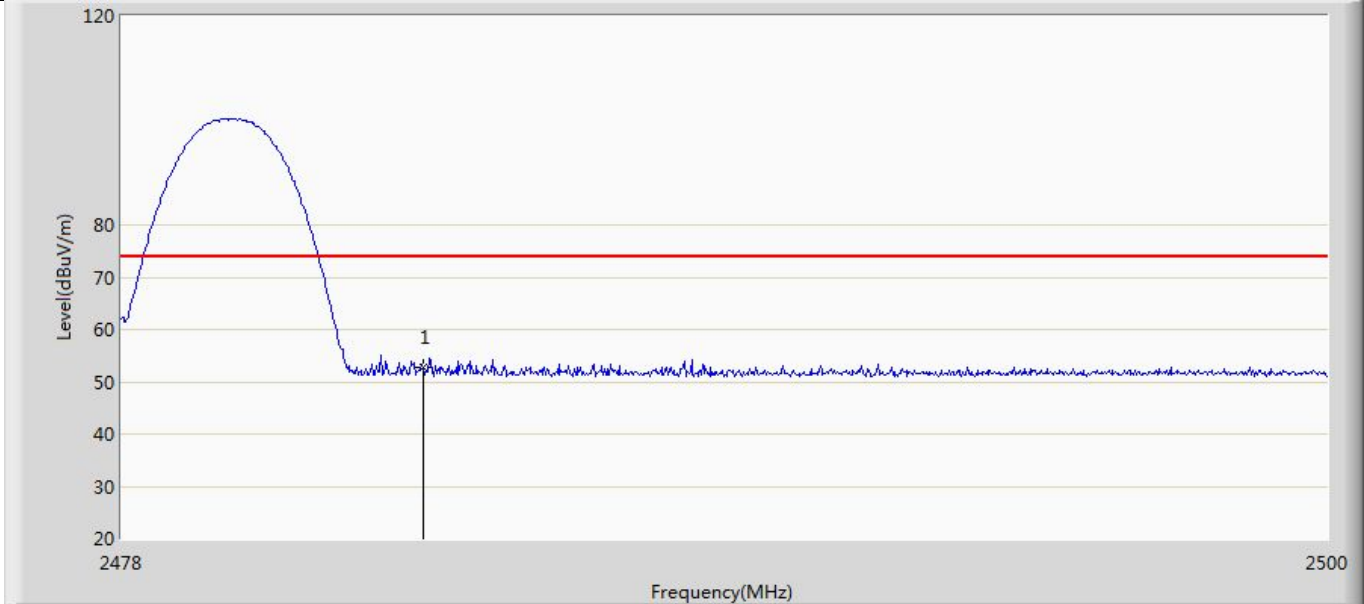
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2390.000	50.948	16.847	-23.052	74.000	34.102	PK

Profile: 24B0601R	Page No.: 4
Engineer: Yuliu	
Site: AC5	Time: 2024/11/29 - 20:04
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Vertical
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 1 : Transmit at 2402MHz by DH5	



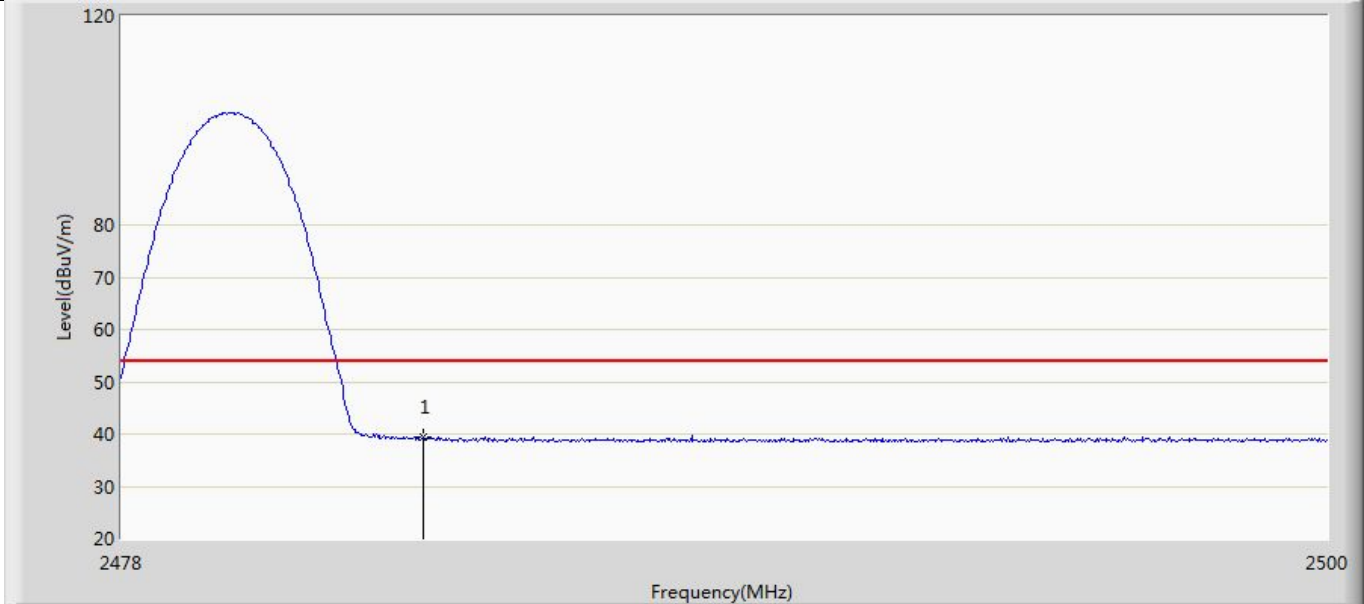
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2390.000	38.732	4.631	-15.268	54.000	34.102	AV

Profile: 24B0601R	Page No.: 5
Engineer: Yuliu	
Site: AC5	Time: 2024/11/29 - 20:06
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Horizontal
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 1 : Transmit at 2480MHz by DH5	



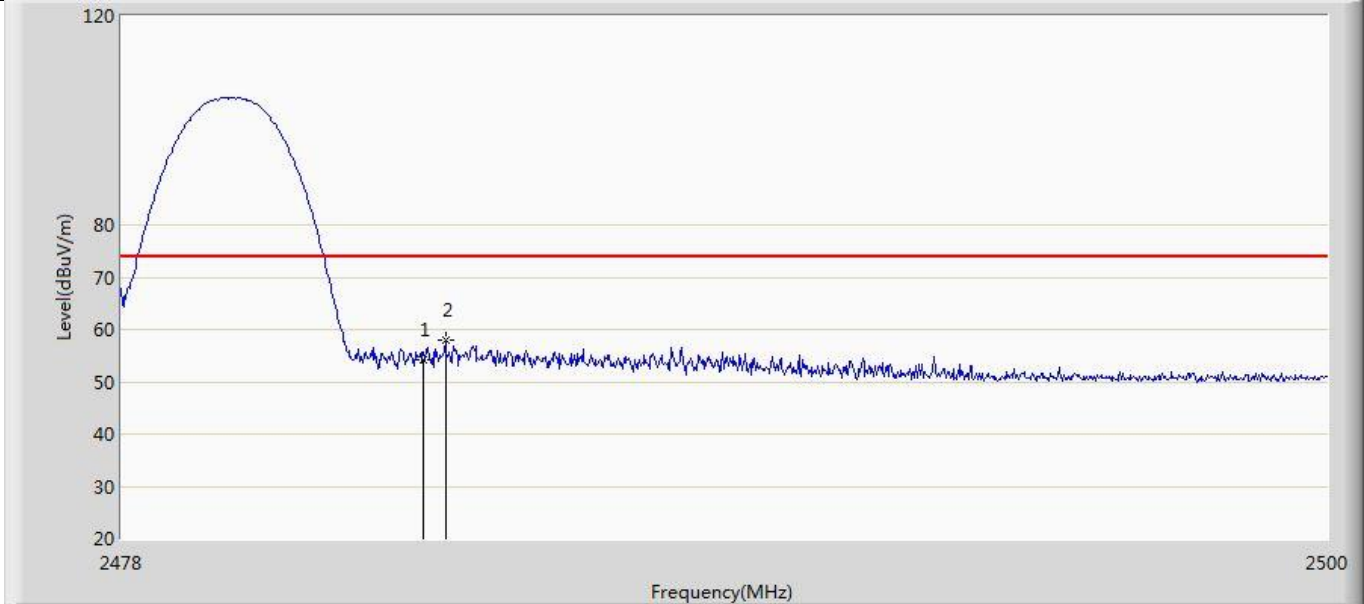
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2483.500	52.609	18.496	-21.391	74.000	34.114	PK

Profile: 24B0601R	Page No.: 6
Engineer: Yuliu	
Site: AC5	Time: 2024/11/29 - 21:09
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Horizontal
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 1 : Transmit at 2480MHz by DH5	



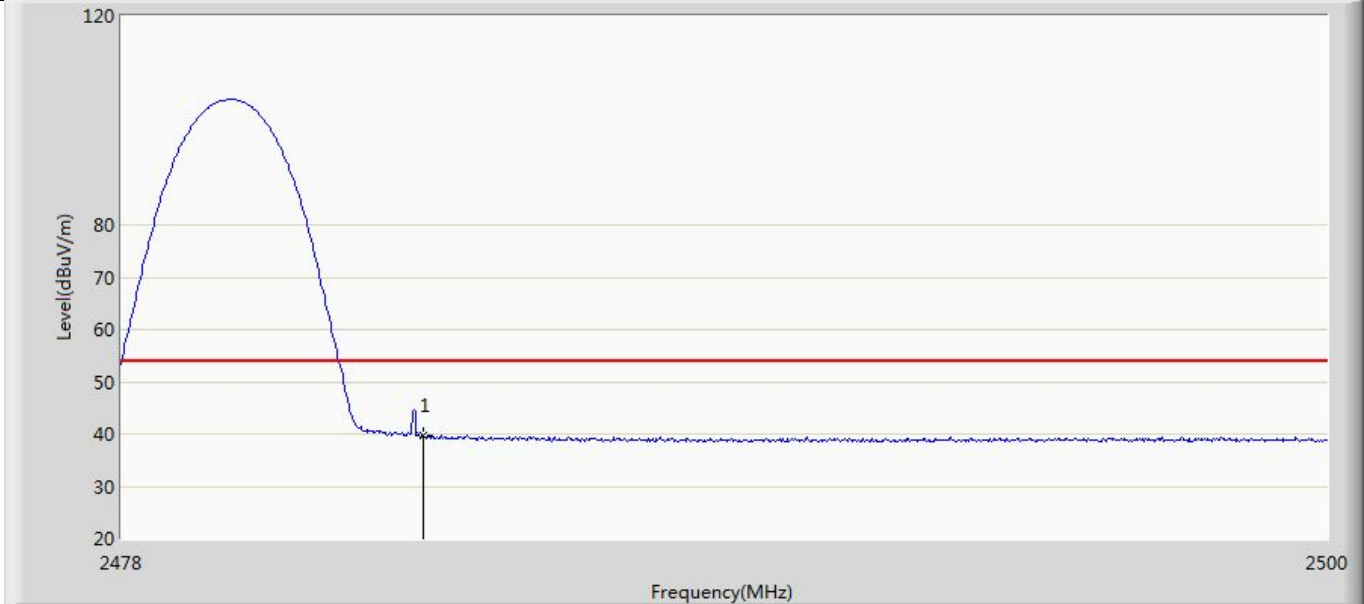
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2483.500	39.438	5.325	-14.562	54.000	34.114	AV

Profile: 24B0601R	Page No.: 7
Engineer: Yuliu	
Site: AC5	Time: 2024/11/29 - 21:10
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Vertical
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 1 : Transmit at 2480MHz by DH5	



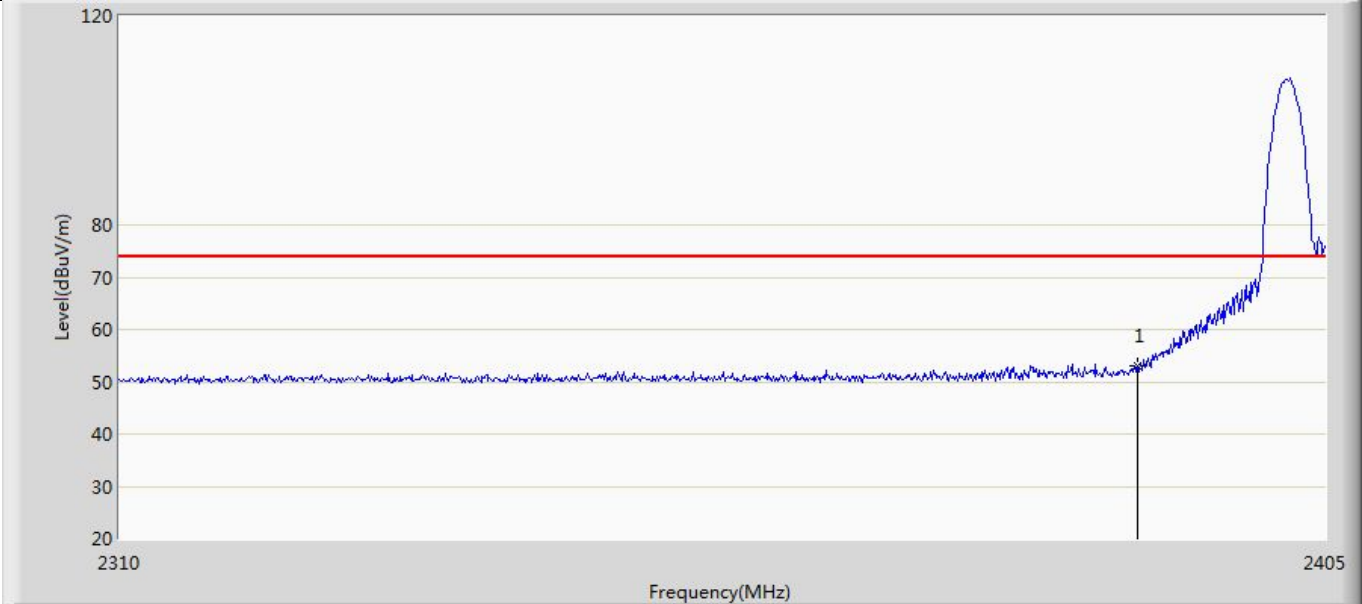
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2483.500	54.230	20.117	-19.770	74.000	34.114	PK
2	*	2483.896	57.877	23.760	-16.123	74.000	34.117	PK

Profile: 24B0601R	Page No.: 8
Engineer: Yuliu	
Site: AC5	Time: 2024/11/29 - 21:16
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Vertical
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 1 : Transmit at 2480MHz by DH5	



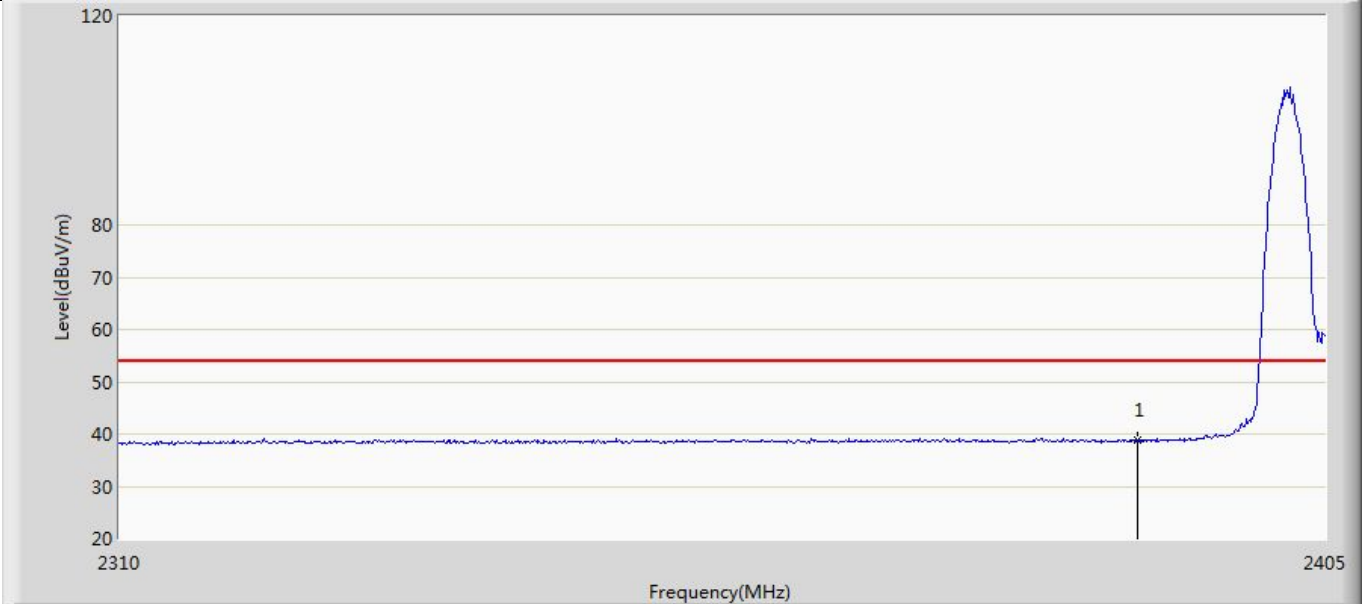
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2483.500	39.629	5.516	-14.371	54.000	34.114	AV

Profile: 24B0601R	Page No.: 9
Engineer: Yuliu	
Site: AC5	Time: 2024/11/29 - 21:18
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Horizontal
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 2 : Transmit at 2402MHz by 2DH5	



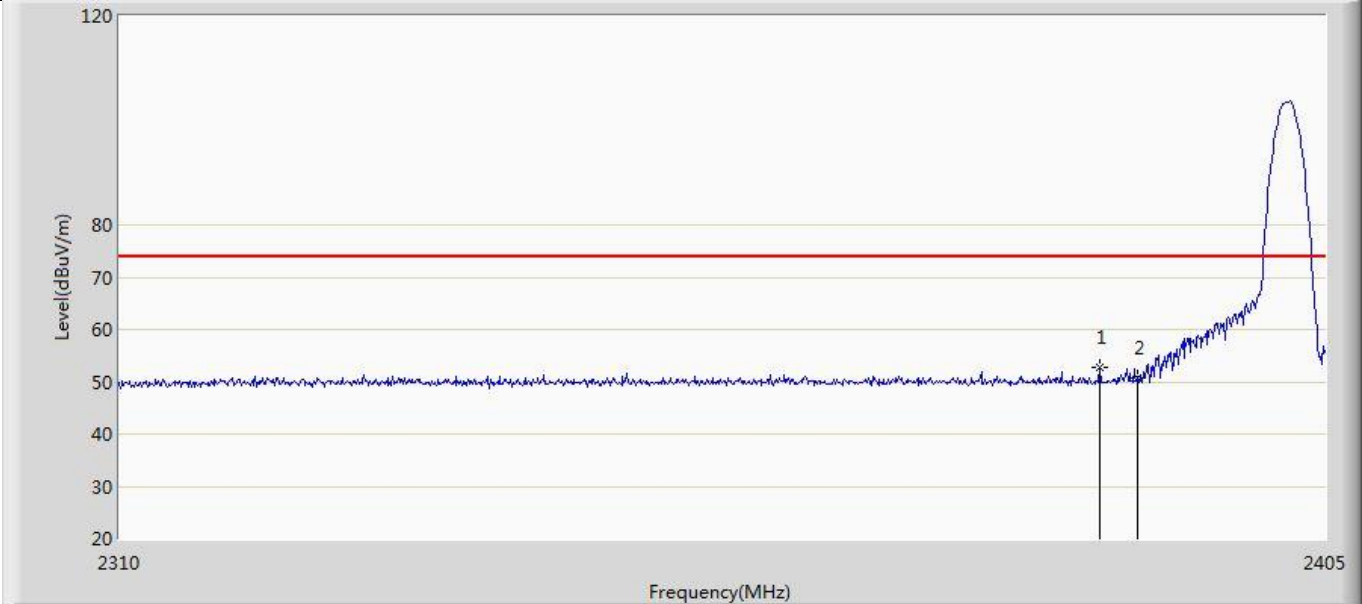
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2390.000	53.024	18.923	-20.976	74.000	34.102	PK

Profile: 24B0601R	Page No.: 10
Engineer: Yuliu	
Site: AC5	Time: 2024/11/29 - 21:37
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Horizontal
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 2 : Transmit at 2402MHz by 2DH5	



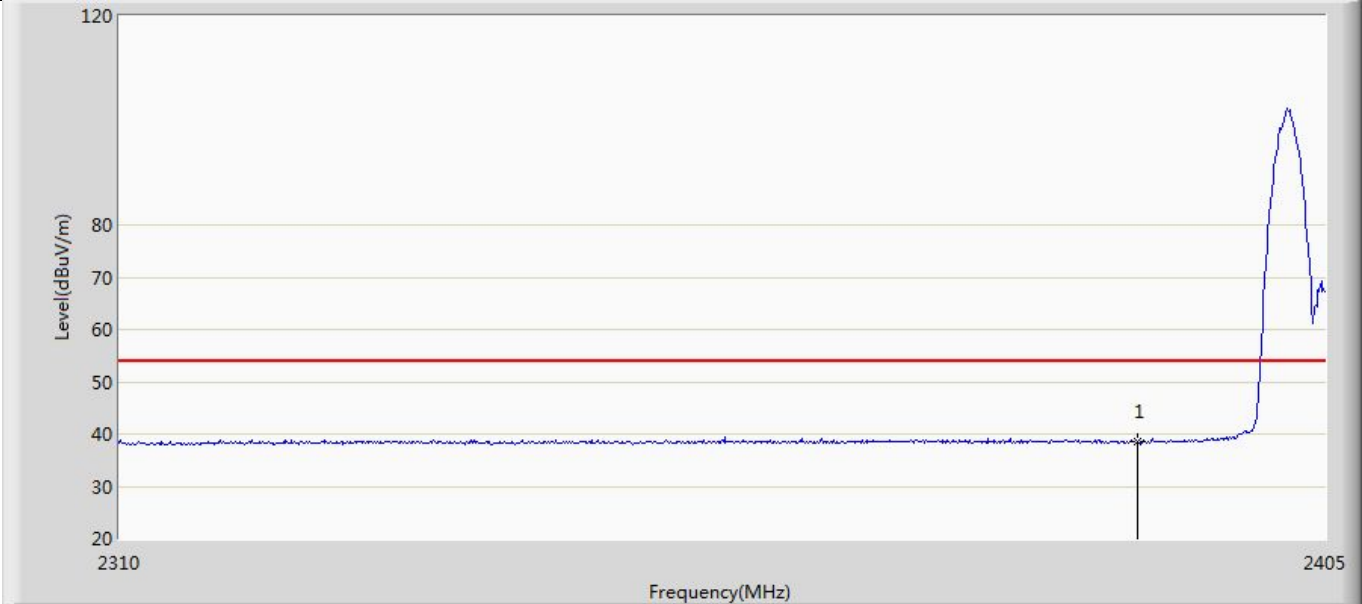
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2390.000	38.696	4.595	-15.304	54.000	34.102	AV

Profile: 24B0601R	Page No.: 11
Engineer: Yuliu	
Site: AC5	Time: 2024/11/29 - 21:41
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Vertical
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 2 : Transmit at 2402MHz by 2DH5	



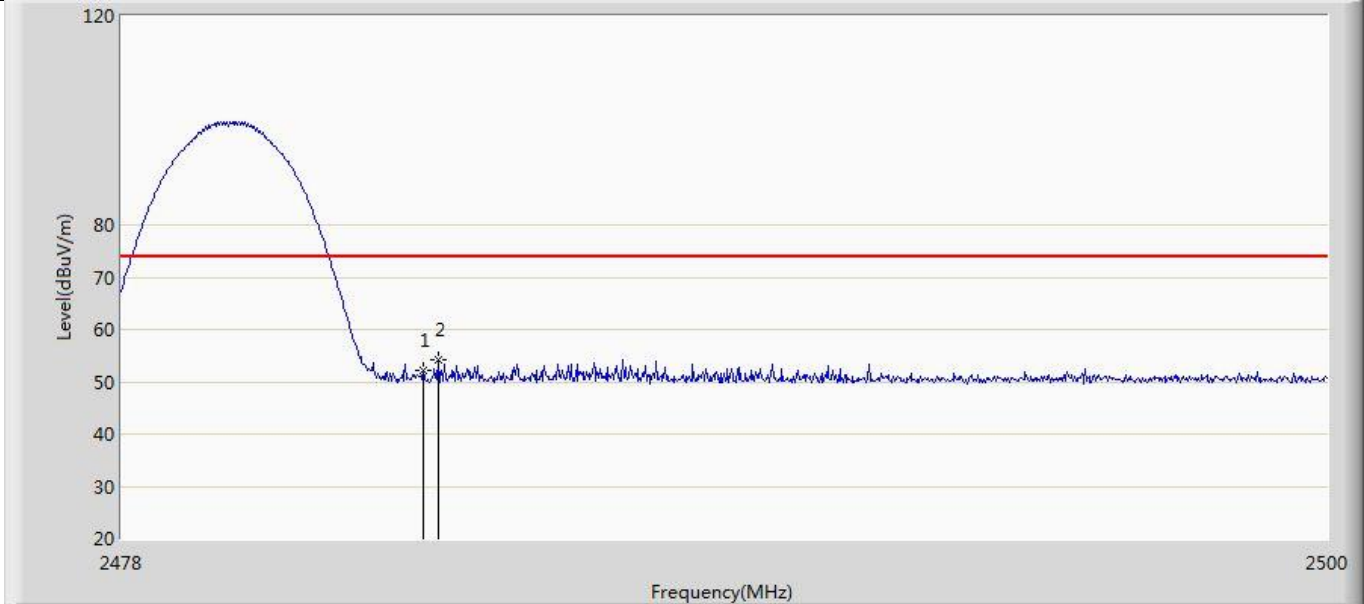
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2386.950	52.842	18.745	-21.158	74.000	34.097	PK
2		2390.000	50.764	16.663	-23.236	74.000	34.102	PK

Profile: 24B0601R	Page No.: 12
Engineer: Yuliu	
Site: AC5	Time: 2024/11/29 - 21:42
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Vertical
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 2 : Transmit at 2402MHz by 2DH5	



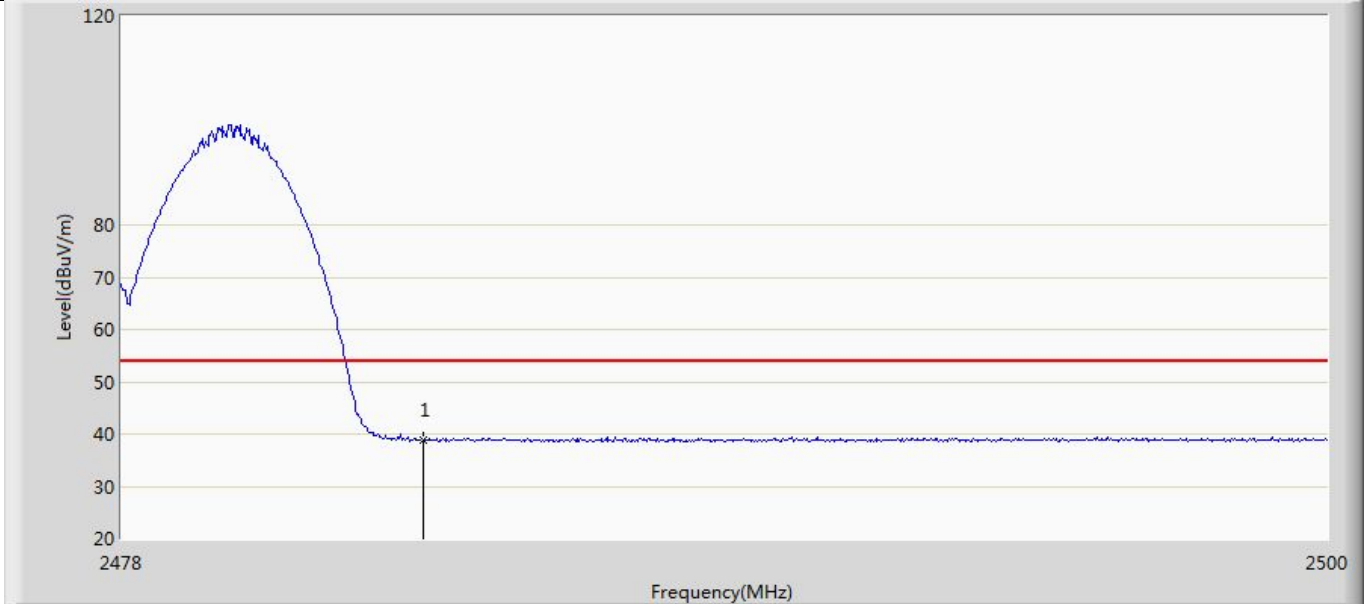
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2390.000	38.499	4.398	-15.501	54.000	34.102	AV

Profile: 24B0601R	Page No.: 13
Engineer: Yuliu	
Site: AC5	Time: 2024/11/29 - 21:44
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Horizontal
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 2 : Transmit at 2480MHz by 2DH5	



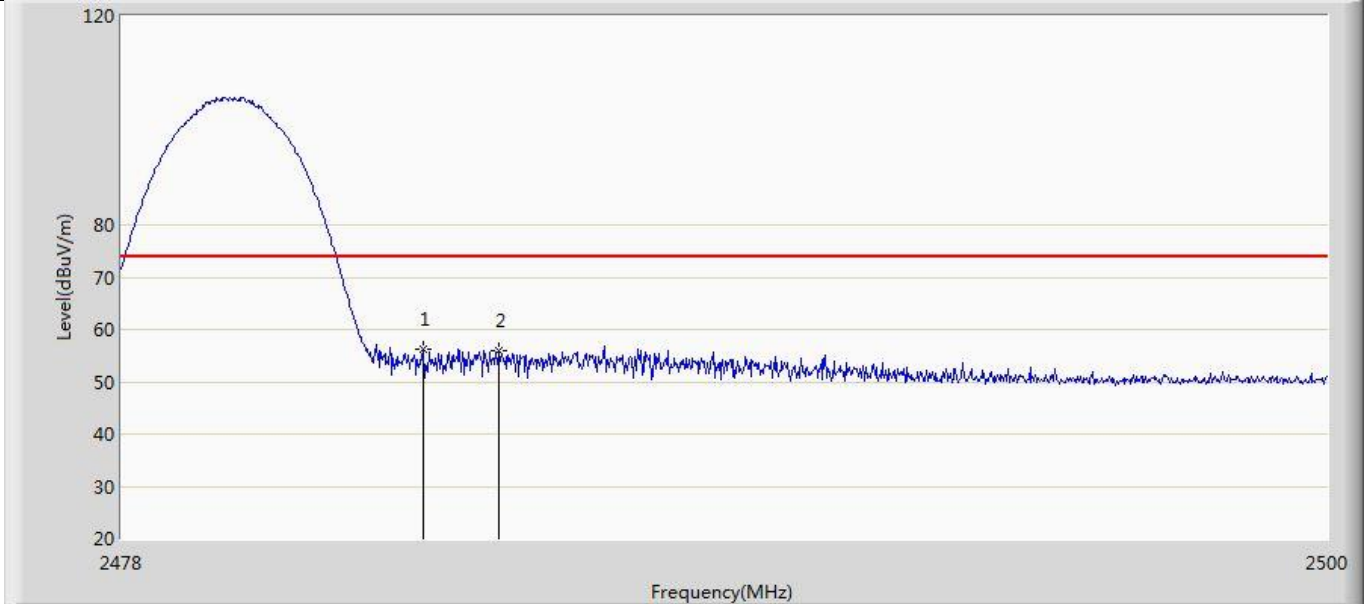
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2483.500	52.100	17.987	-21.900	74.000	34.114	PK
2	*	2483.764	54.081	19.965	-19.919	74.000	34.116	PK

Profile: 24B0601R	Page No.: 14
Engineer: Yuliu	
Site: AC5	Time: 2024/11/29 - 21:46
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Horizontal
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 2 : Transmit at 2480MHz by 2DH5	



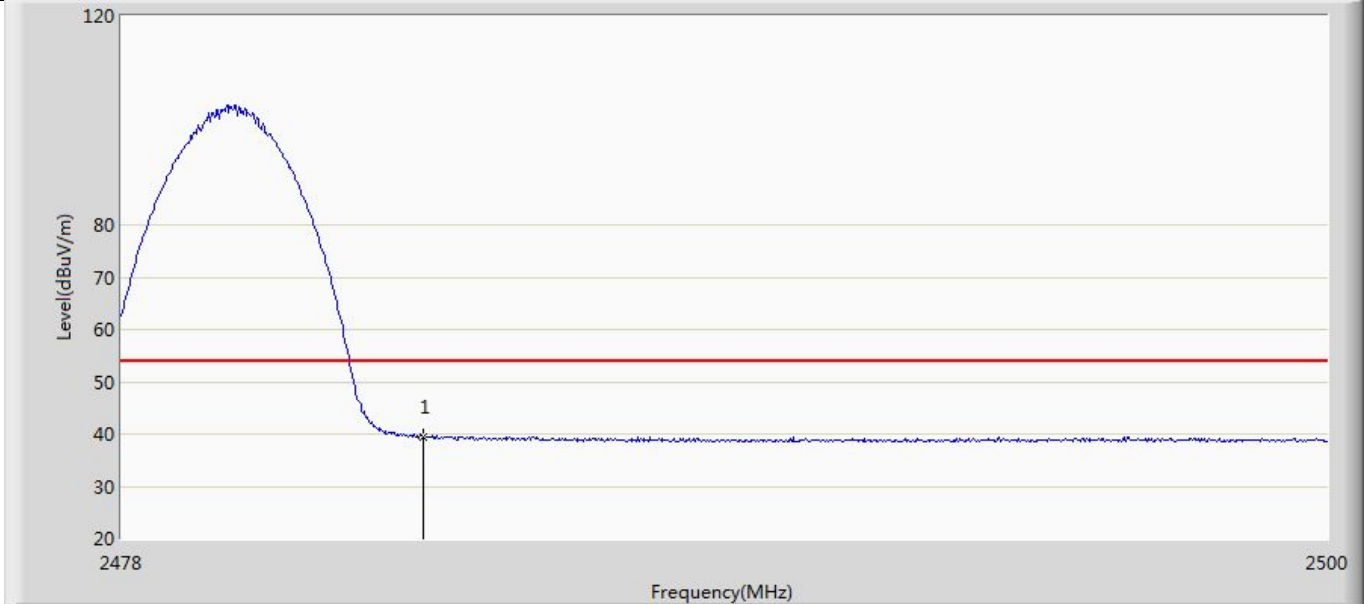
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2483.500	38.943	4.830	-15.057	54.000	34.114	AV

Profile: 24B0601R	Page No.: 15
Engineer: Yuliu	
Site: AC5	Time: 2024/11/29 - 21:48
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Vertical
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 2 : Transmit at 2480MHz by 2DH5	



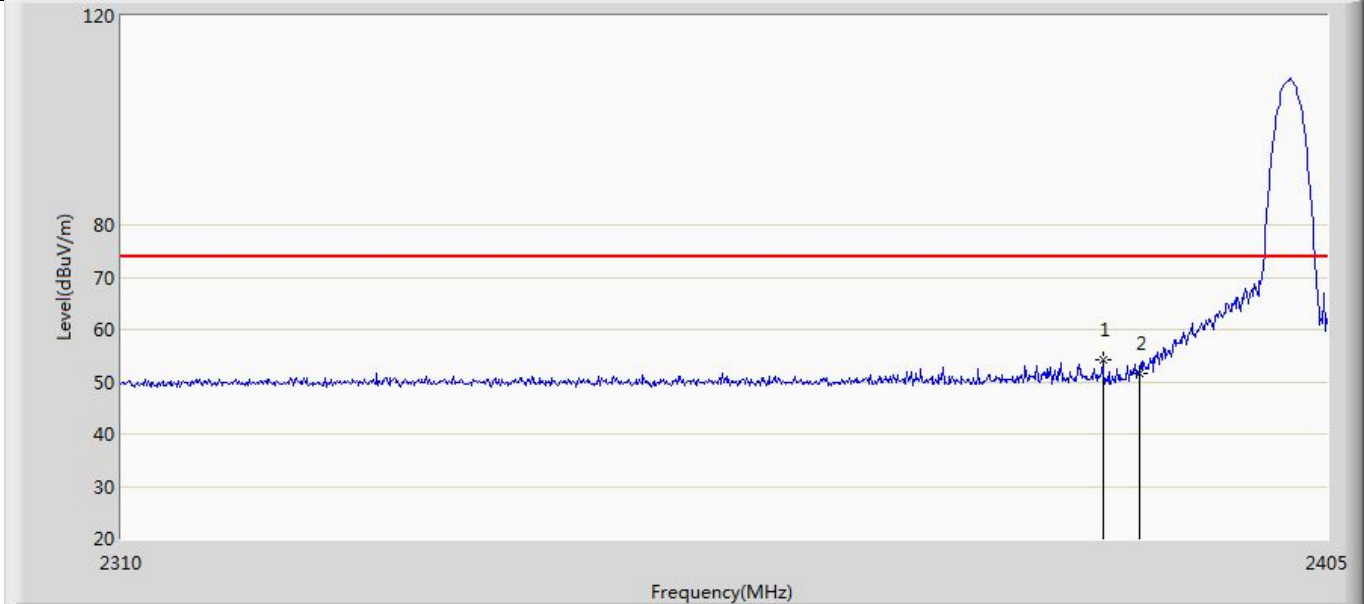
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2483.500	56.297	22.184	-17.703	74.000	34.114	PK
2		2484.864	55.929	21.805	-18.071	74.000	34.124	PK

Profile: 24B0601R	Page No.: 16
Engineer: Yuliu	
Site: AC5	Time: 2024/11/29 - 21:49
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Vertical
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 2 : Transmit at 2480MHz by 2DH5	



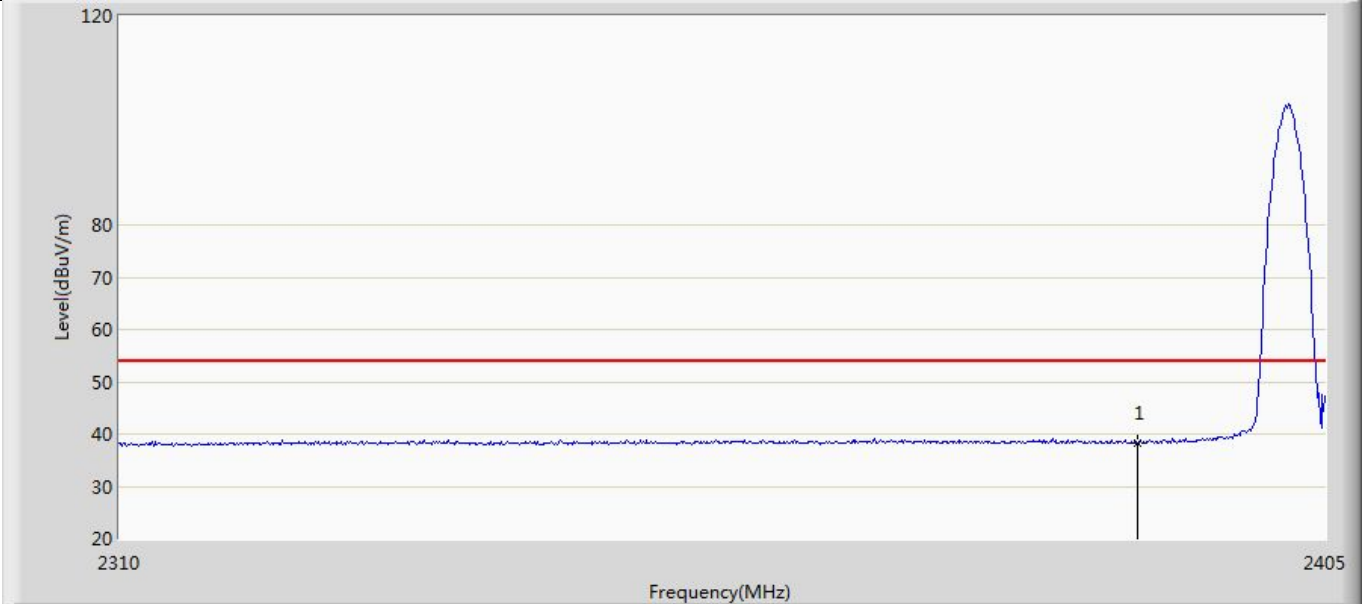
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2483.500	39.476	5.363	-14.524	54.000	34.114	AV

Profile: 24B0601R	Page No.: 17
Engineer: Yuliu	
Site: AC5	Time: 2024/11/29 - 21:50
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Horizontal
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 3 : Transmit at 2402MHz by 3DH5	



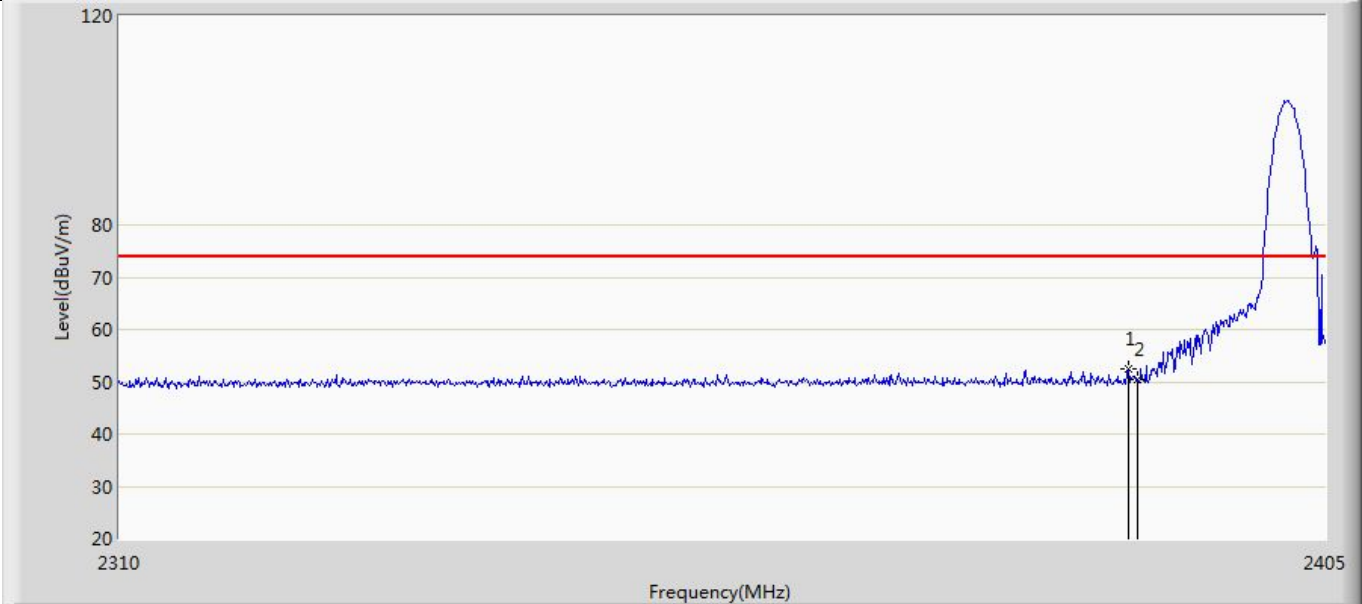
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2387.045	54.062	19.965	-19.938	74.000	34.097	PK
2		2390.000	51.634	17.533	-22.366	74.000	34.102	PK

Profile: 24B0601R	Page No.: 18
Engineer: Yuliu	
Site: AC5	Time: 2024/11/29 - 21:53
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Horizontal
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 3 : Transmit at 2402MHz by 3DH5	



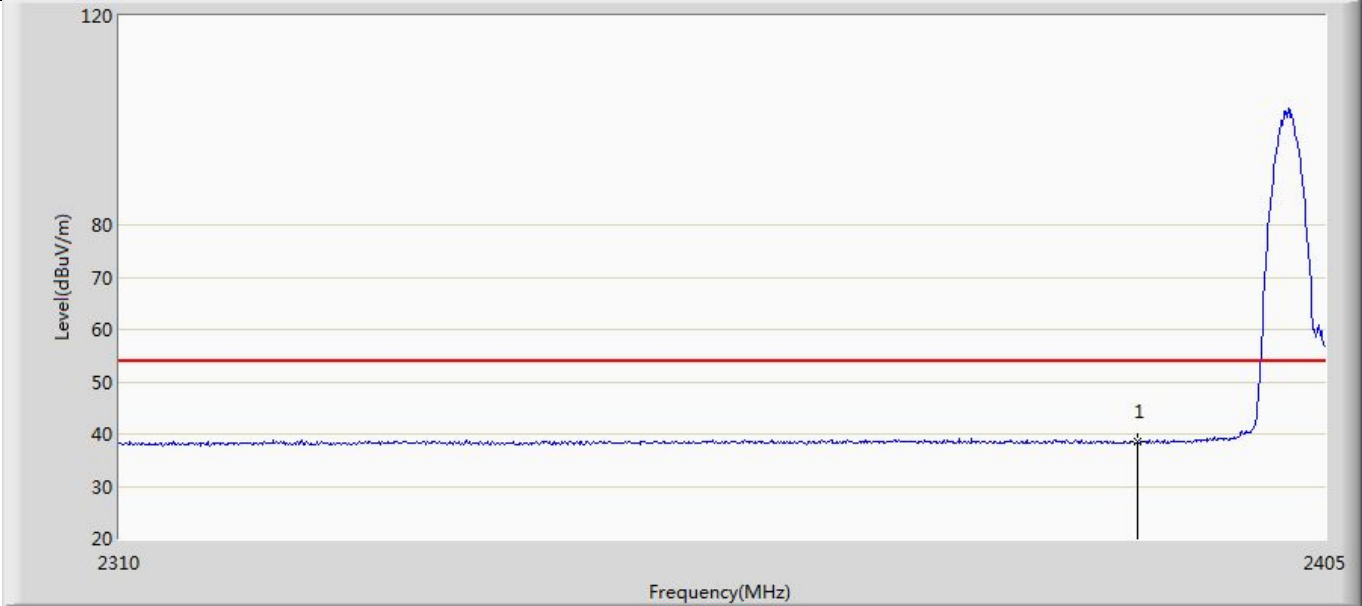
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2390.000	38.367	4.266	-15.633	54.000	34.102	AV

Profile: 24B0601R	Page No.: 19
Engineer: Yuliu	
Site: AC5	Time: 2024/11/29 - 21:53
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Vertical
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 3 : Transmit at 2402MHz by 3DH5	



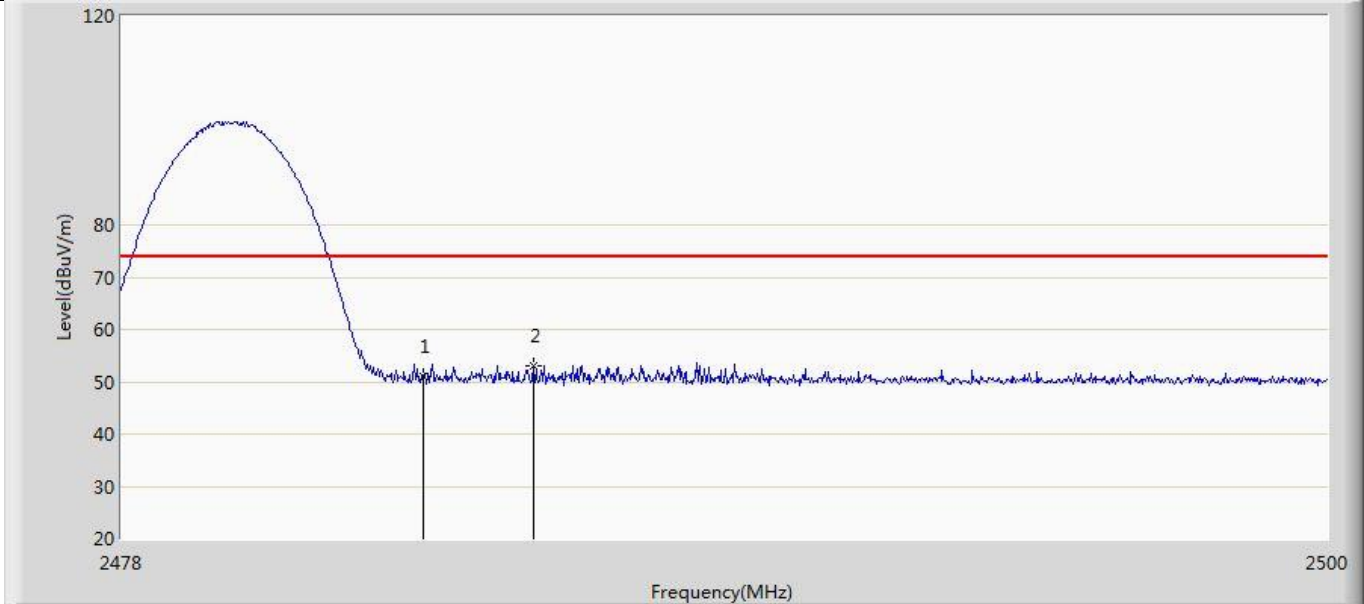
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2389.230	52.520	18.420	-21.480	74.000	34.100	PK
2		2390.000	50.451	16.350	-23.549	74.000	34.102	PK

Profile: 24B0601R	Page No.: 20
Engineer: Yuliu	
Site: AC5	Time: 2024/11/29 - 21:55
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Vertical
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 3 : Transmit at 2402MHz by 3DH5	



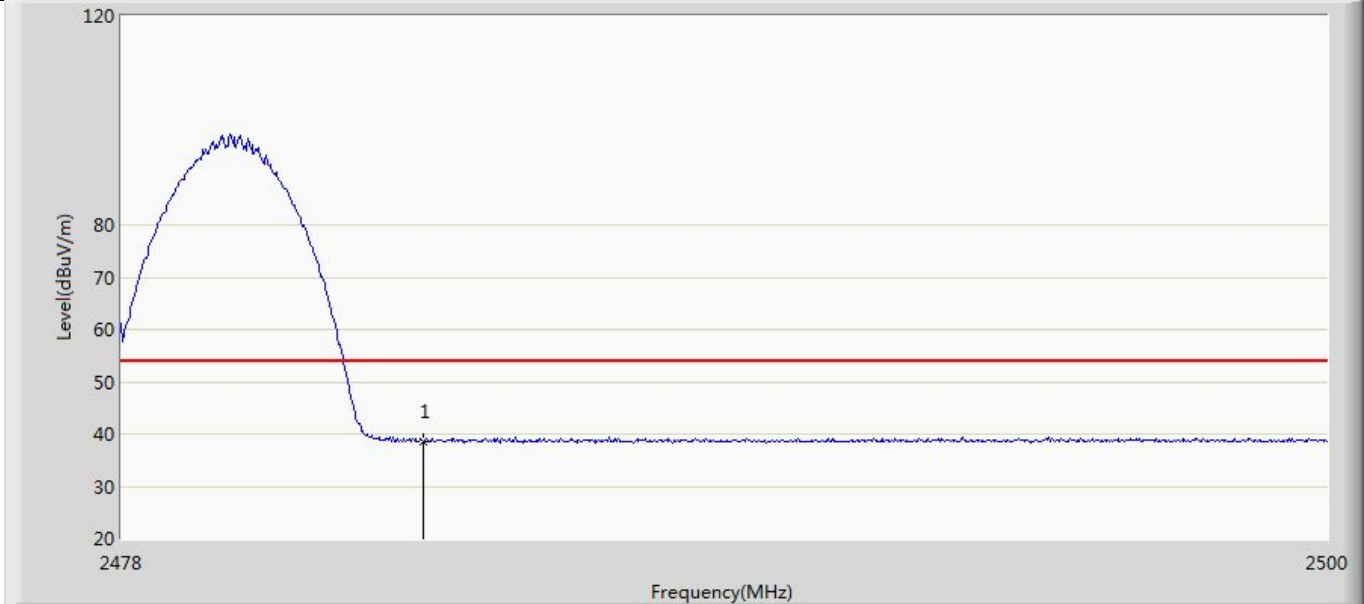
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2390.000	38.542	4.441	-15.458	54.000	34.102	AV

Profile: 24B0601R	Page No.: 21
Engineer: Yuliu	
Site: AC5	Time: 2024/11/29 - 21:56
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Horizontal
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 3 : Transmit at 2480MHz by 3DH5	



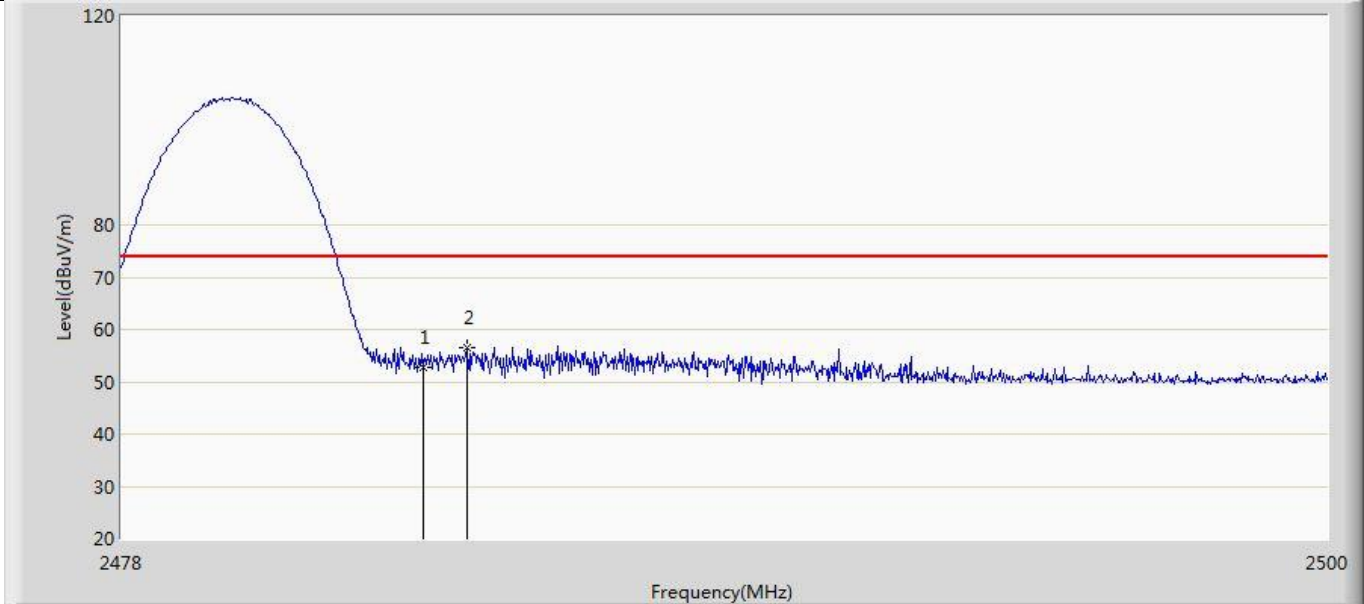
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2483.500	51.137	17.024	-22.863	74.000	34.114	PK
2	*	2485.502	53.144	19.015	-20.856	74.000	34.129	PK

Profile: 24B0601R	Page No.: 22
Engineer: Yuliu	
Site: AC5	Time: 2024/11/29 - 21:58
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Horizontal
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 3 : Transmit at 2480MHz by 3DH5	



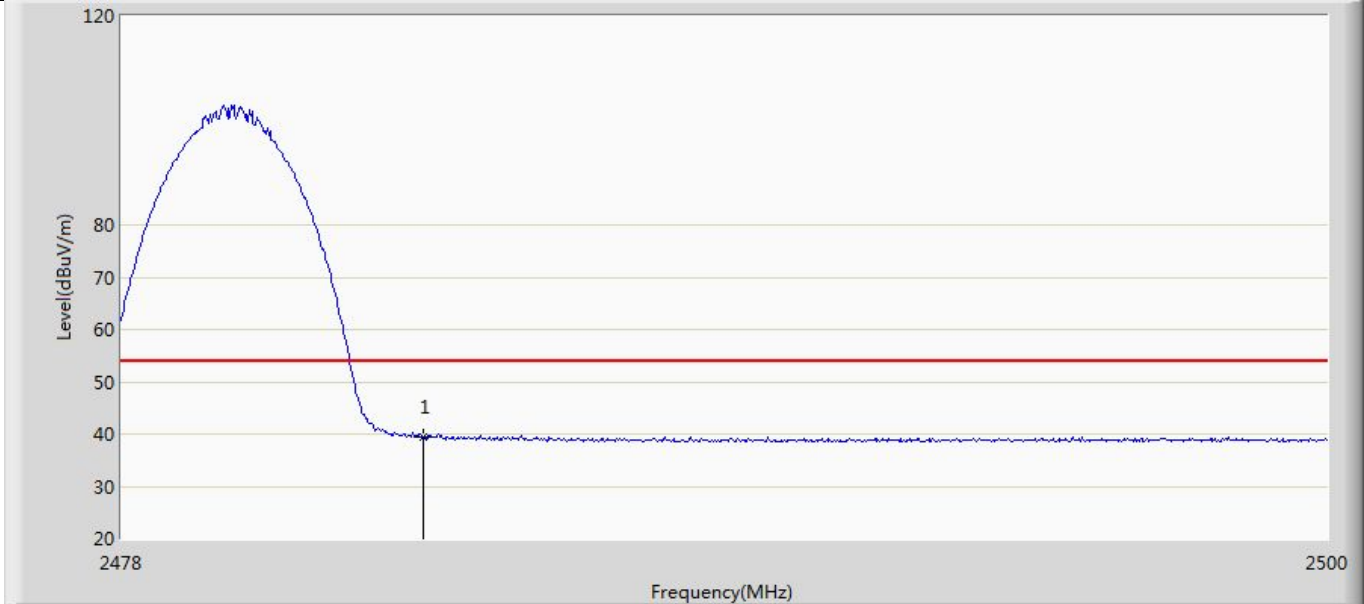
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2483.500	38.578	4.465	-15.422	54.000	34.114	AV

Profile: 24B0601R	Page No.: 23
Engineer: Yuliu	
Site: AC5	Time: 2024/11/29 - 21:58
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Vertical
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 3 : Transmit at 2480MHz by 3DH5	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2483.500	52.632	18.519	-21.368	74.000	34.114	PK
2	*	2484.292	56.586	22.466	-17.414	74.000	34.119	PK

Profile: 24B0601R	Page No.: 24
Engineer: Yuliu	
Site: AC5	Time: 2024/11/29 - 22:00
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Vertical
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 3 : Transmit at 2480MHz by 3DH5	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2483.500	39.559	5.446	-14.441	54.000	34.114	AV

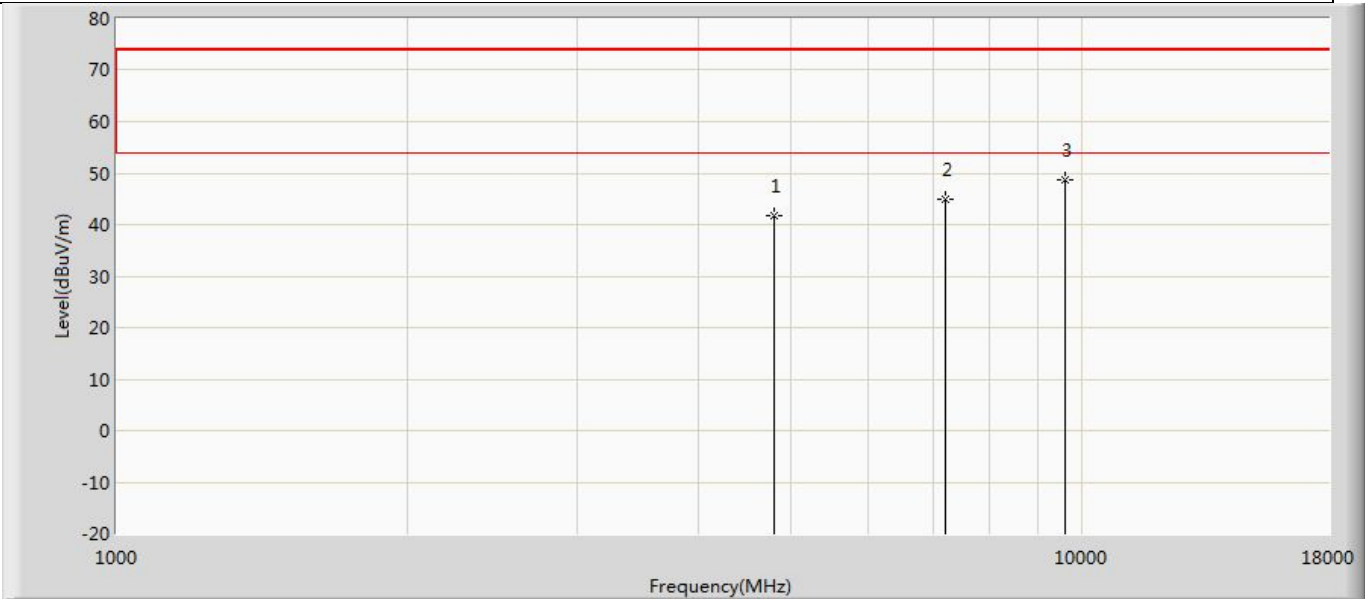
Note:

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

Appendix C: Emissions in Restricted Bands

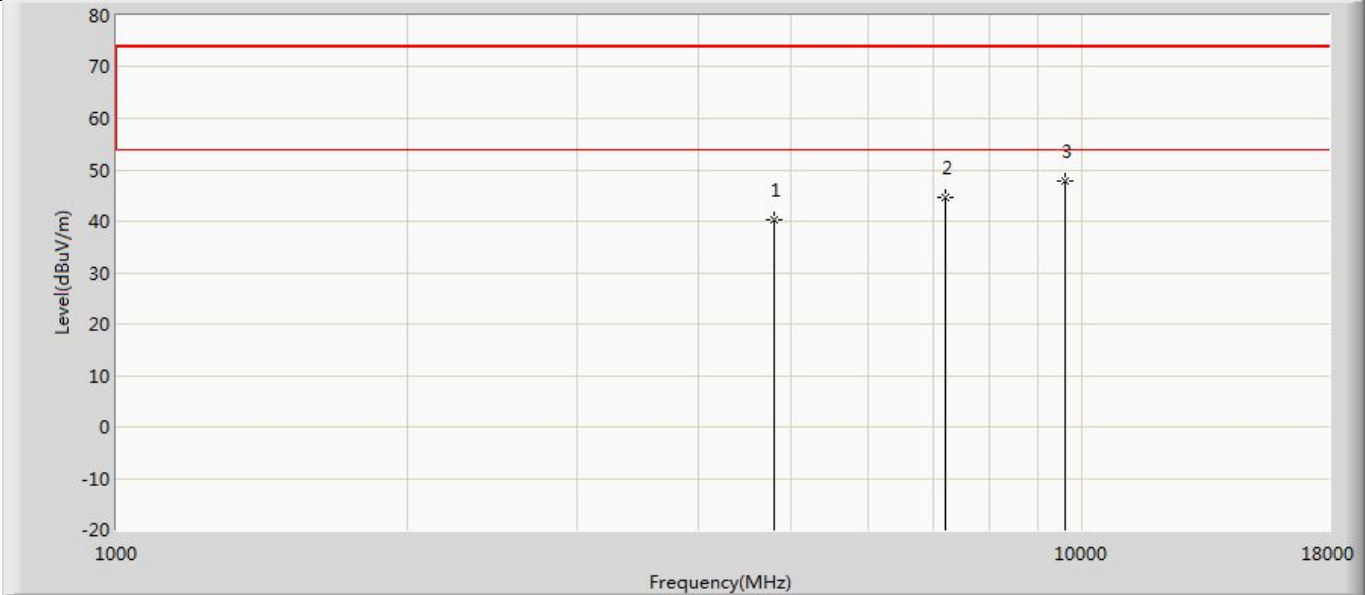
LG North America 43-inch antenna

Profile: 24B0601R	Page No.: 19
Engineer: Yuliu	
Site: AC5	Time: 2024/11/30 - 01:09
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Horizontal
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 1 : Transmit at 2402MHz by DH5	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4804.000	41.862	53.917	-32.138	74.000	-12.055	PK
2		7206.000	45.034	51.594	-28.966	74.000	-6.560	PK
3	*	9608.000	48.672	51.840	-25.328	74.000	-3.167	PK

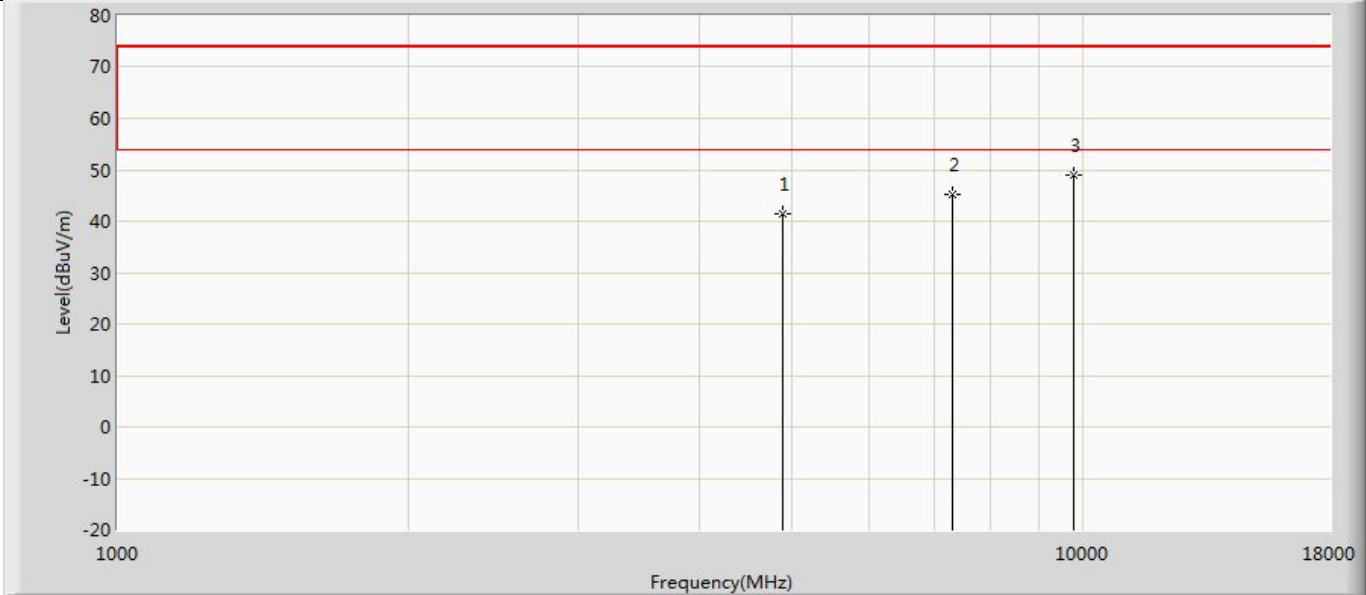
Profile: 24B0601R	Page No.: 20
Engineer: Yuliu	
Site: AC5	Time: 2024/11/30 - 01:09
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Vertical
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 1 : Transmit at 2402MHz by DH5	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4804.000	40.319	52.374	-33.681	74.000	-12.055	PK
2		7206.000	44.549	51.109	-29.451	74.000	-6.560	PK
3	*	9608.000	47.714	50.882	-26.286	74.000	-3.167	PK

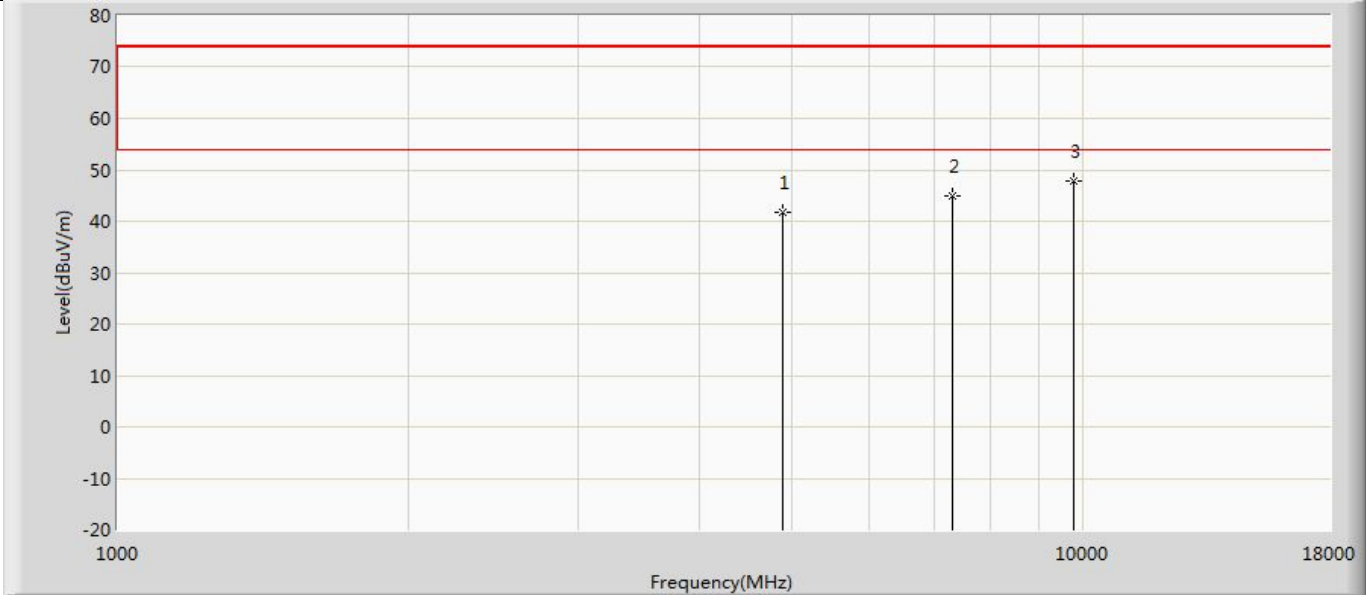


Profile: 24B0601R	Page No.: 21
Engineer: Yuliu	
Site: AC5	Time: 2024/11/30 - 01:09
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Horizontal
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 1 : Transmit at 2441MHz by DH5	



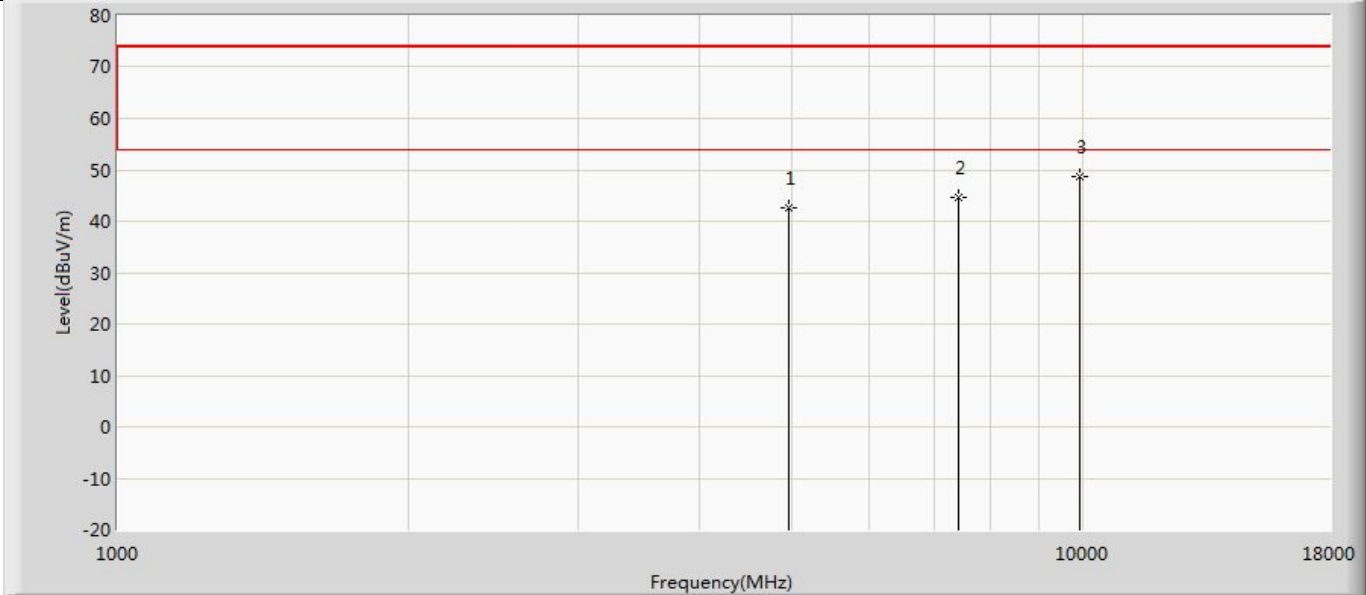
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4882.000	41.492	52.357	-32.508	74.000	-10.866	PK
2		7323.000	45.209	52.430	-28.791	74.000	-7.221	PK
3	*	9764.000	48.843	51.748	-25.157	74.000	-2.905	PK

Profile: 24B0601R	Page No.: 22
Engineer: Yuliu	
Site: AC5	Time: 2024/11/30 - 01:09
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Vertical
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 1 : Transmit at 2441MHz by DH5	



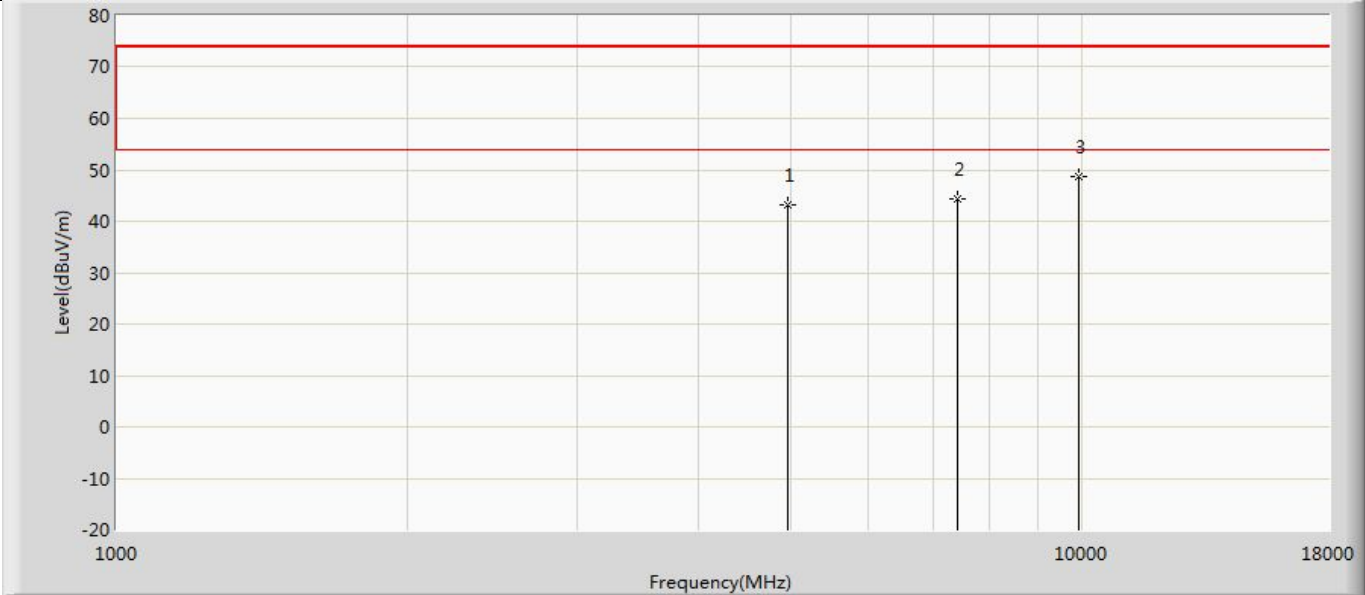
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4882.000	41.808	52.673	-32.192	74.000	-10.866	PK
2		7323.000	44.867	52.088	-29.133	74.000	-7.221	PK
3	*	9764.000	47.694	50.599	-26.306	74.000	-2.905	PK

Profile: 24B0601R	Page No.: 23
Engineer: Yuliu	
Site: AC5	Time: 2024/11/30 - 01:10
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Horizontal
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 1 : Transmit at 2480MHz by DH5	



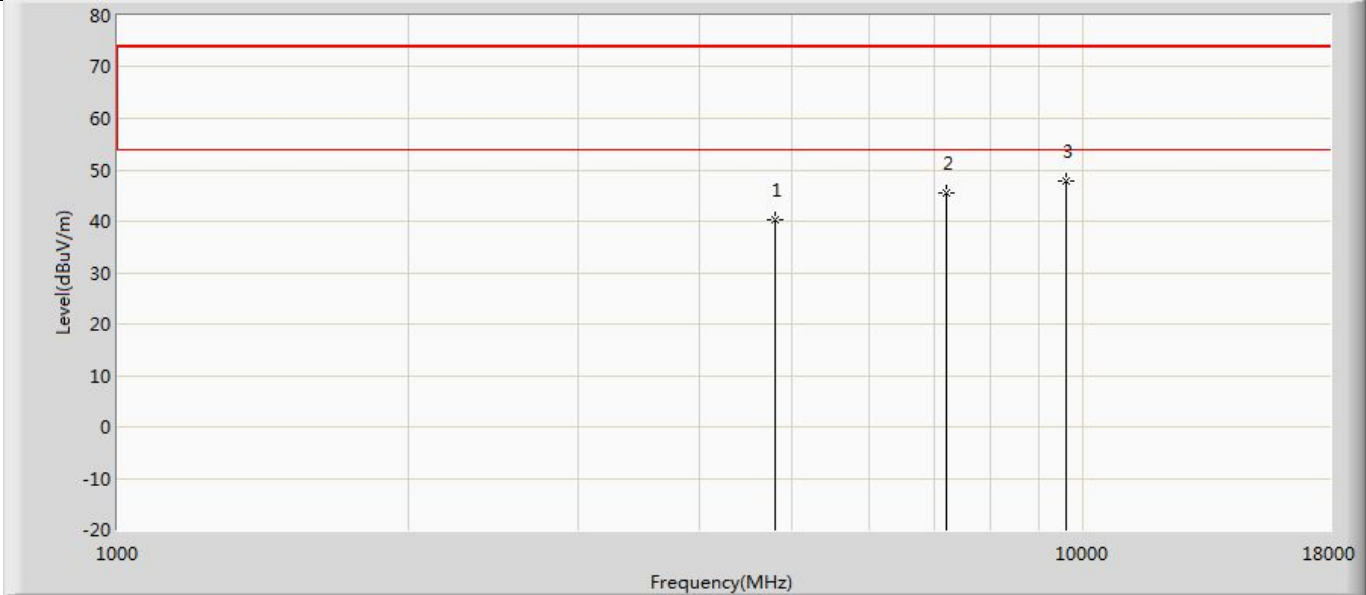
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4960.000	42.537	53.424	-31.463	74.000	-10.888	PK
2		7440.000	44.654	51.764	-29.346	74.000	-7.110	PK
3	*	9920.000	48.790	50.655	-25.210	74.000	-1.865	PK

Profile: 24B0601R	Page No.: 24
Engineer: Yuliu	
Site: AC5	Time: 2024/11/30 - 01:10
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Vertical
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 1 : Transmit at 2480MHz by DH5	



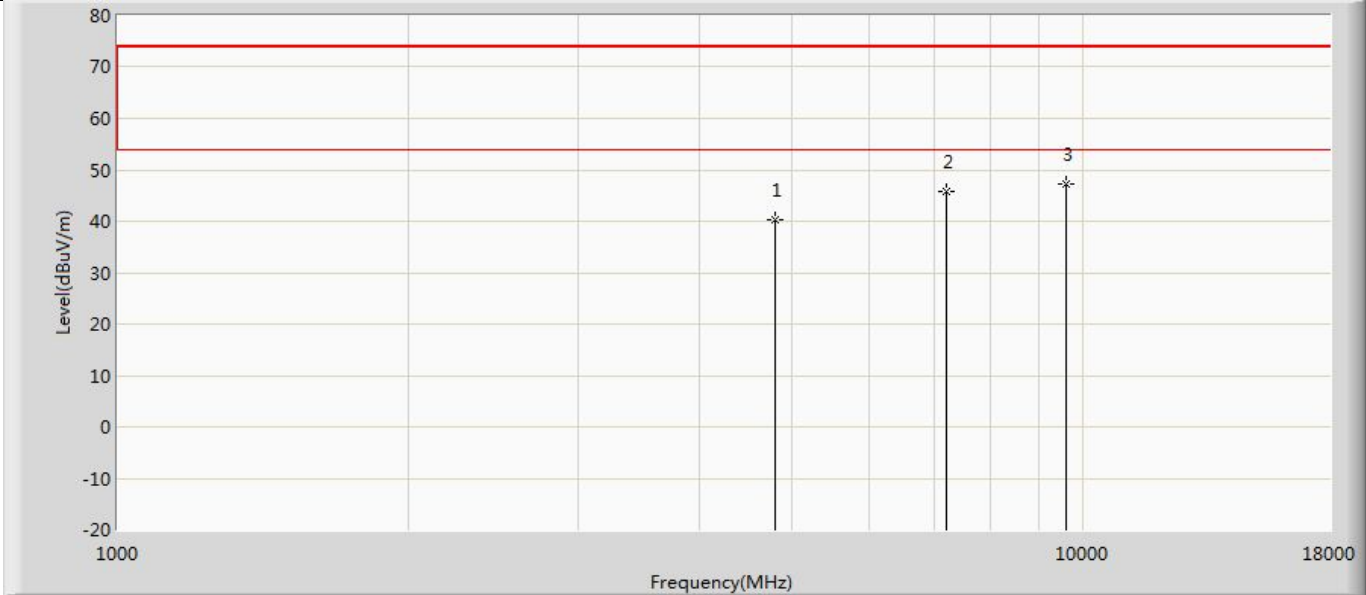
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4960.000	43.283	54.170	-30.717	74.000	-10.888	PK
2		7440.000	44.243	51.353	-29.757	74.000	-7.110	PK
3	*	9920.000	48.677	50.542	-25.323	74.000	-1.865	PK

Profile: 24B0601R	Page No.: 25
Engineer: Yuliu	
Site: AC5	Time: 2024/11/30 - 01:10
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Horizontal
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 2 : Transmit at 2402MHz by 2DH5	



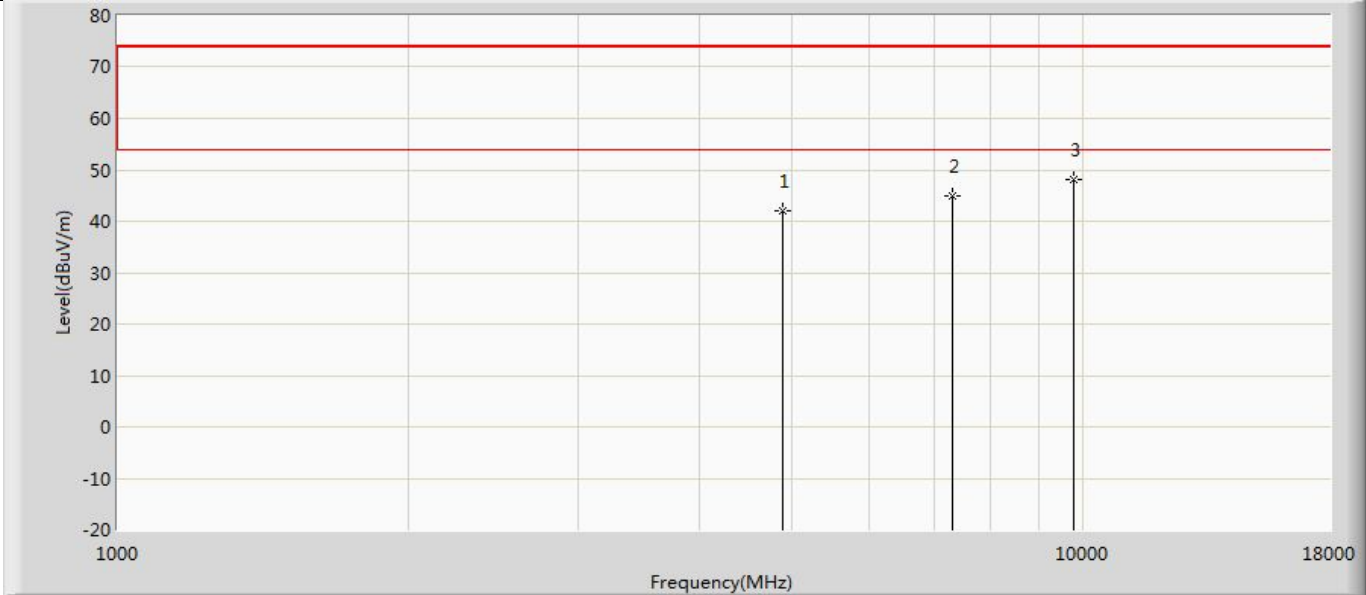
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4804.000	40.312	52.367	-33.688	74.000	-12.055	PK
2		7206.000	45.412	51.972	-28.588	74.000	-6.560	PK
3	*	9608.000	47.687	50.855	-26.313	74.000	-3.167	PK

Profile: 24B0601R	Page No.: 26
Engineer: Yuliu	
Site: AC5	Time: 2024/11/30 - 01:10
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Vertical
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 2 : Transmit at 2402MHz by 2DH5	



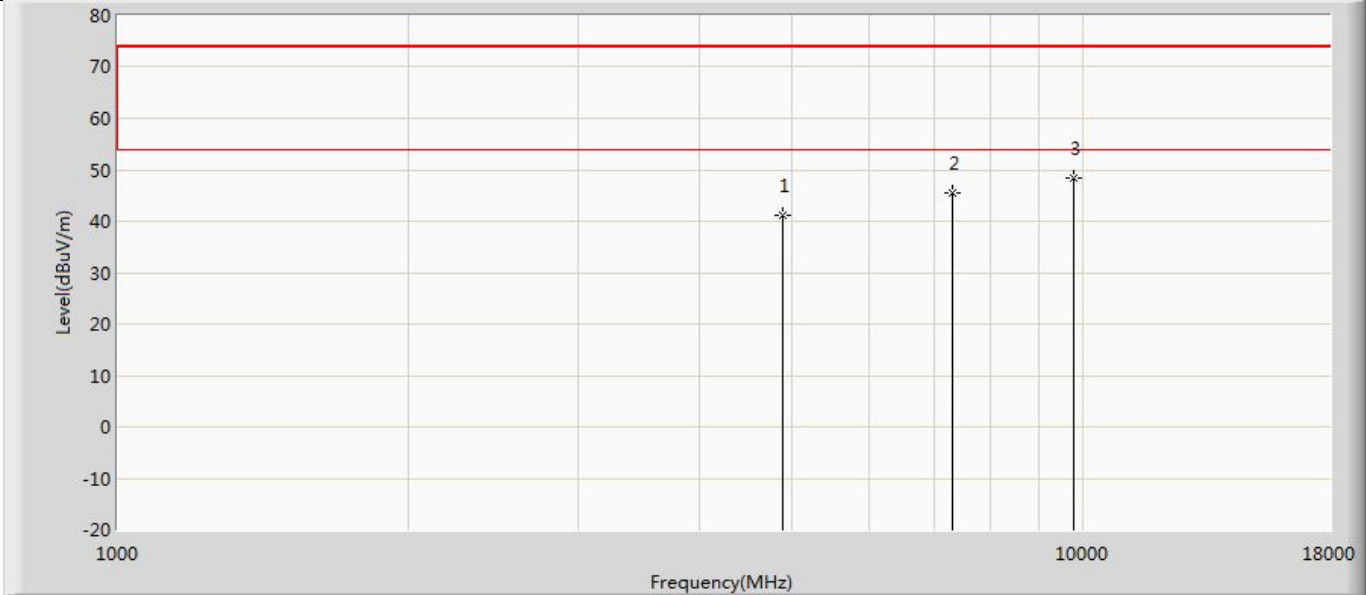
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4804.000	40.306	52.361	-33.694	74.000	-12.055	PK
2		7206.000	45.720	52.280	-28.280	74.000	-6.560	PK
3	*	9608.000	47.167	50.335	-26.833	74.000	-3.167	PK

Profile: 24B0601R	Page No.: 27
Engineer: Yuliu	
Site: AC5	Time: 2024/11/30 - 01:10
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Horizontal
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 2 : Transmit at 2441MHz by 2DH5	



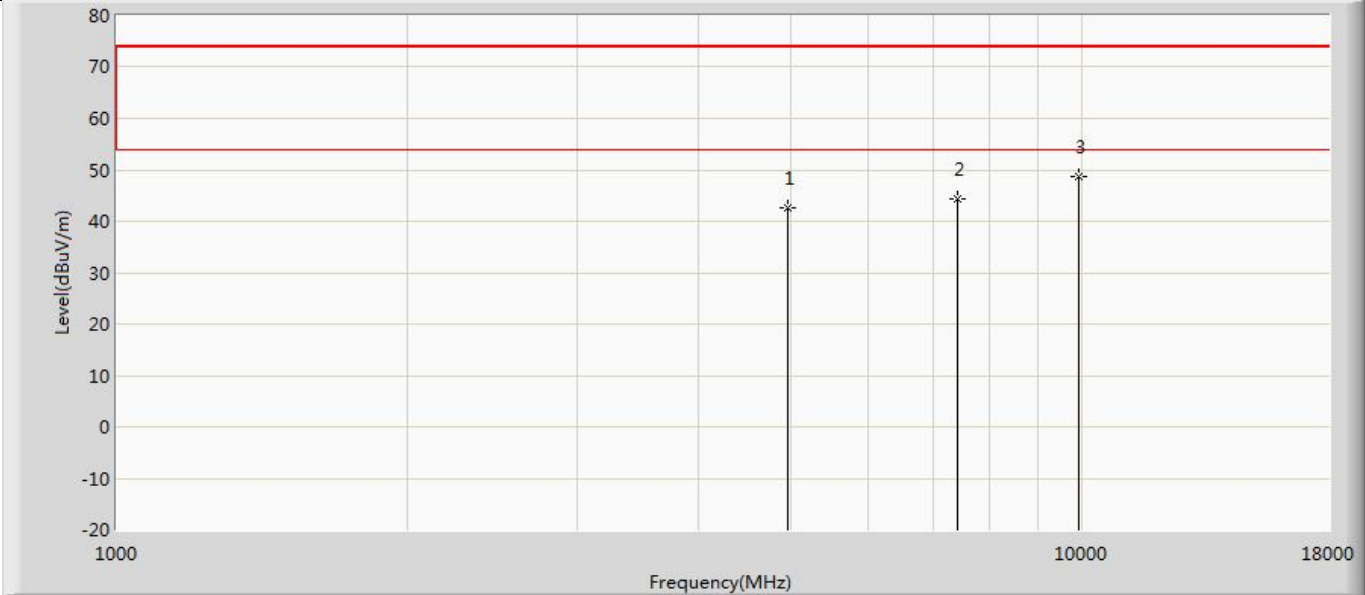
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4882.000	41.913	52.778	-32.087	74.000	-10.866	PK
2		7323.000	44.857	52.078	-29.143	74.000	-7.221	PK
3	*	9764.000	48.164	51.069	-25.836	74.000	-2.905	PK

Profile: 24B0601R	Page No.: 28
Engineer: Yuliu	
Site: AC5	Time: 2024/11/30 - 01:10
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Vertical
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 2 : Transmit at 2441MHz by 2DH5	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4882.000	41.114	51.979	-32.886	74.000	-10.866	PK
2		7323.000	45.644	52.865	-28.356	74.000	-7.221	PK
3	*	9764.000	48.458	51.363	-25.542	74.000	-2.905	PK

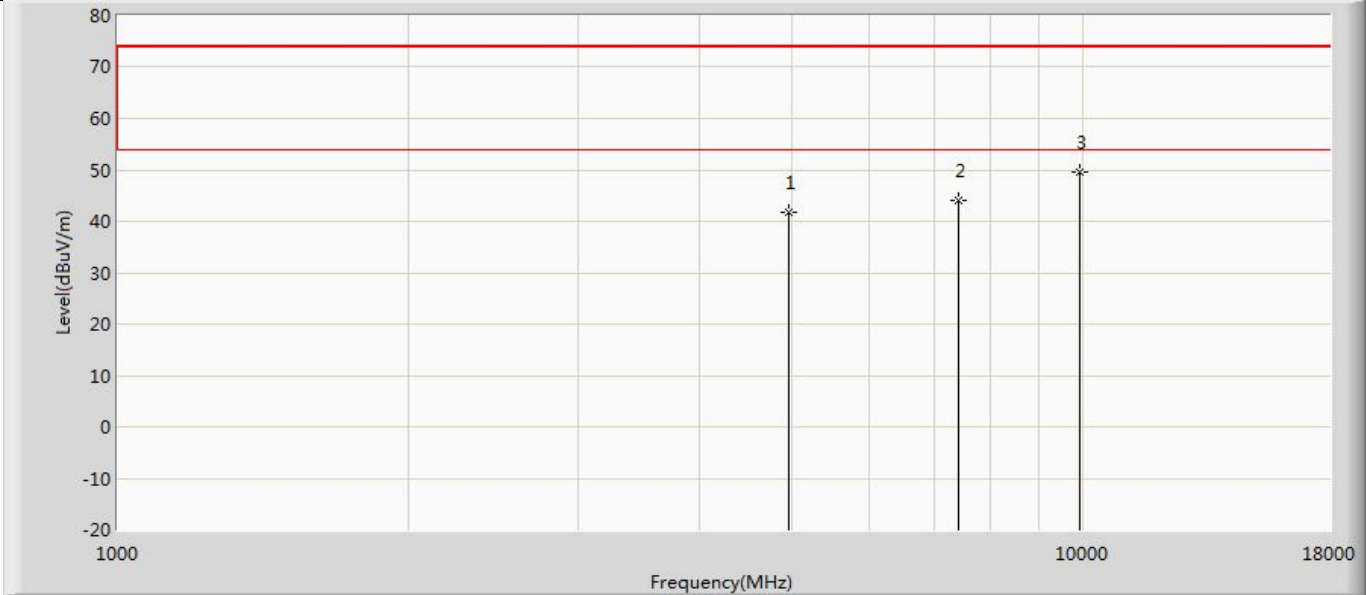
Profile: 24B0601R	Page No.: 29
Engineer: Yuliu	
Site: AC5	Time: 2024/11/30 - 01:10
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Horizontal
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 2 : Transmit at 2480MHz by 2DH5	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4960.000	41.827	52.714	-32.173	74.000	-10.888	PK
2		7440.000	44.034	51.144	-29.966	74.000	-7.110	PK
3	*	9920.000	49.445	51.310	-24.555	74.000	-1.865	PK

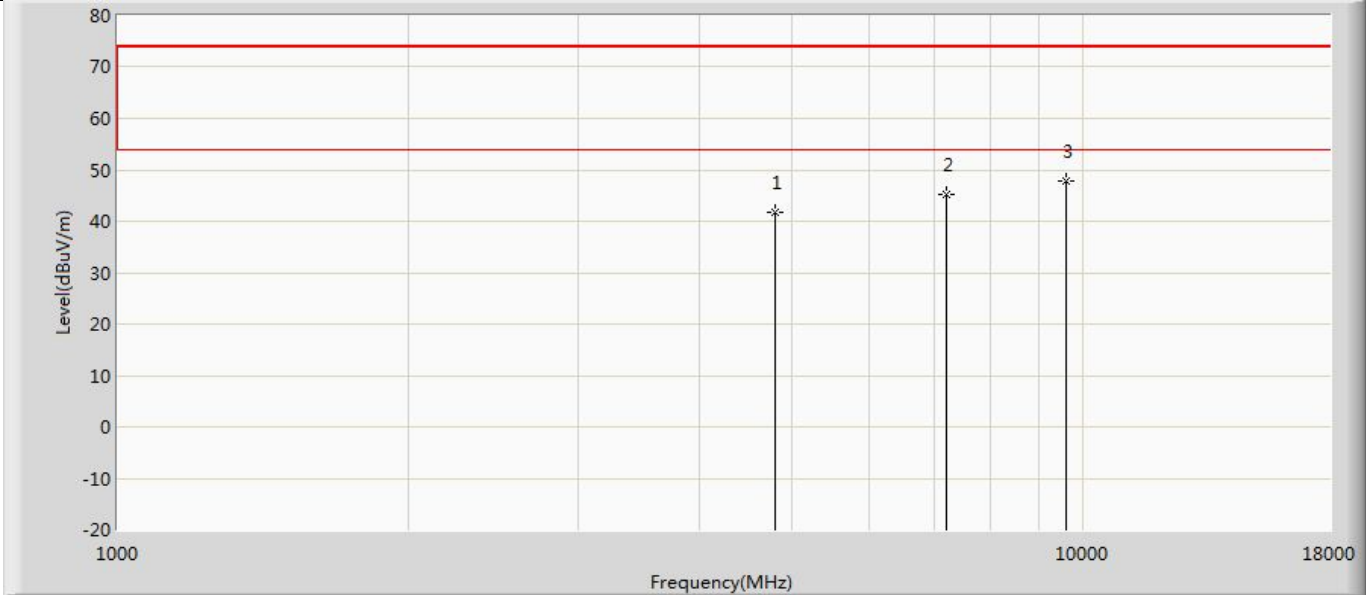


Profile: 24B0601R	Page No.: 30
Engineer: Yuliu	
Site: AC5	Time: 2024/11/30 - 01:10
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Vertical
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 2 : Transmit at 2480MHz by 2DH5	



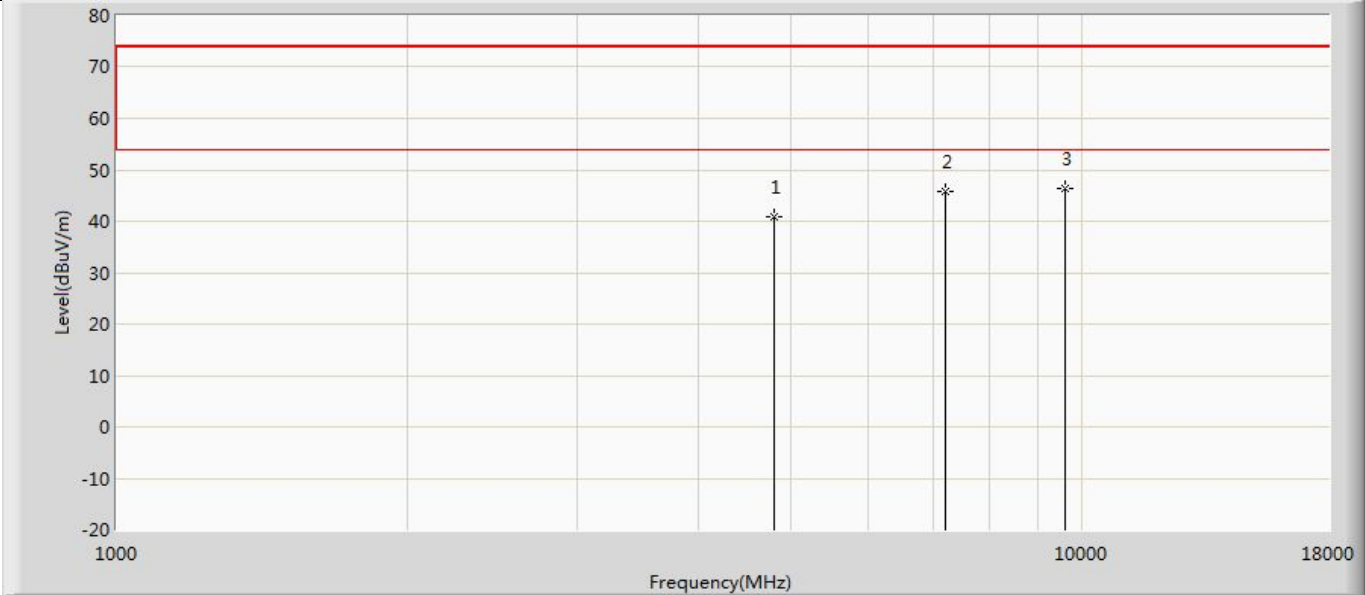
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4960.000	41.827	52.714	-32.173	74.000	-10.888	PK
2		7440.000	44.034	51.144	-29.966	74.000	-7.110	PK
3	*	9920.000	49.445	51.310	-24.555	74.000	-1.865	PK

Profile: 24B0601R	Page No.: 31
Engineer: Yuliu	
Site: AC5	Time: 2024/11/30 - 01:10
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Horizontal
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 3 : Transmit at 2402MHz by 3DH5	



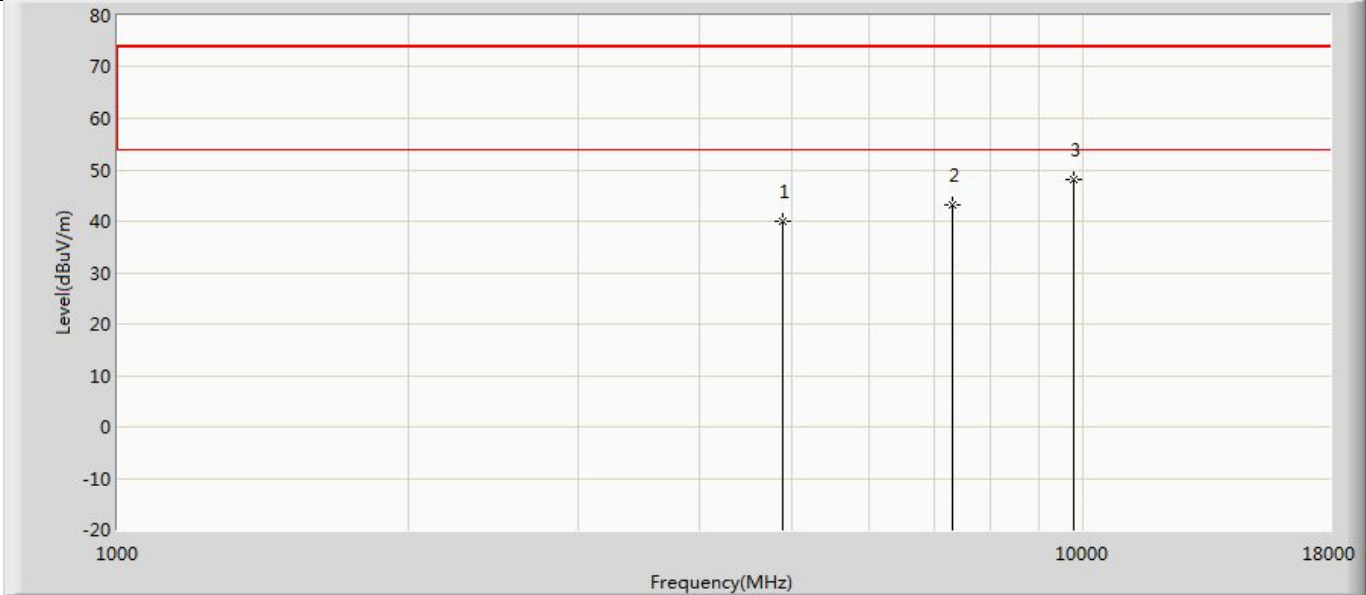
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4804.000	41.655	53.710	-32.345	74.000	-12.055	PK
2		7206.000	45.196	51.756	-28.804	74.000	-6.560	PK
3	*	9608.000	47.724	50.892	-26.276	74.000	-3.167	PK

Profile: 24B0601R	Page No.: 32
Engineer: Yuliu	
Site: AC5	Time: 2024/11/30 - 01:10
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Vertical
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 3 : Transmit at 2402MHz by 3DH5	



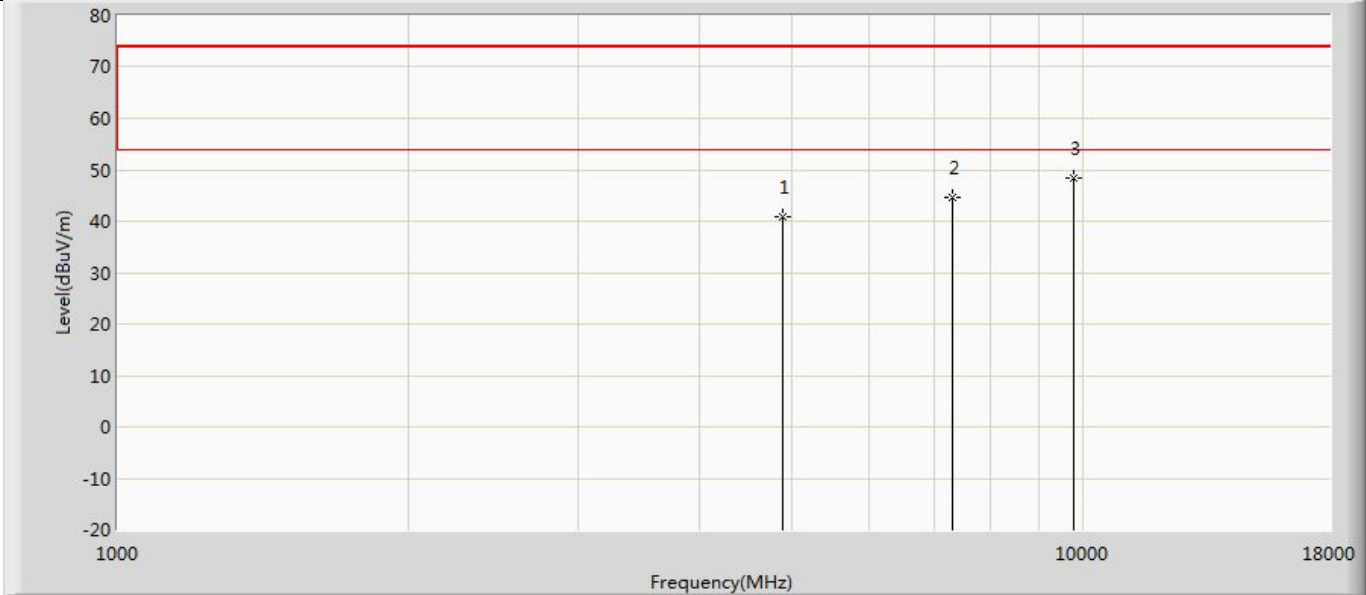
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4804.000	40.775	52.830	-33.225	74.000	-12.055	PK
2		7206.000	45.731	52.291	-28.269	74.000	-6.560	PK
3	*	9608.000	46.371	49.539	-27.629	74.000	-3.167	PK

Profile: 24B0601R	Page No.: 33
Engineer: Yuliu	
Site: AC5	Time: 2024/11/30 - 01:10
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Horizontal
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 3 : Transmit at 2441MHz by 3DH5	



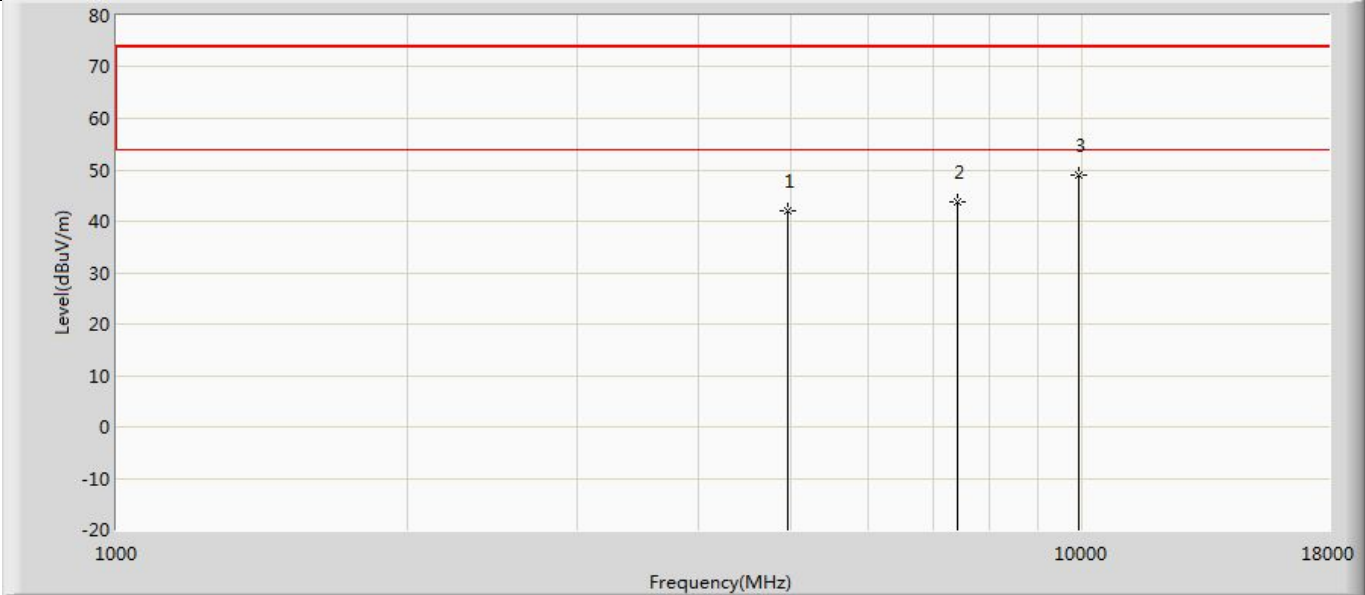
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4882.000	39.943	50.808	-34.057	74.000	-10.866	PK
2		7323.000	43.176	50.397	-30.824	74.000	-7.221	PK
3	*	9764.000	47.995	50.900	-26.005	74.000	-2.905	PK

Profile: 24B0601R	Page No.: 34
Engineer: Yuliu	
Site: AC5	Time: 2024/11/30 - 01:10
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Vertical
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 3 : Transmit at 2441MHz by 3DH5	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4882.000	40.818	51.683	-33.182	74.000	-10.866	PK
2		7323.000	44.627	51.848	-29.373	74.000	-7.221	PK
3	*	9764.000	48.354	51.259	-25.646	74.000	-2.905	PK

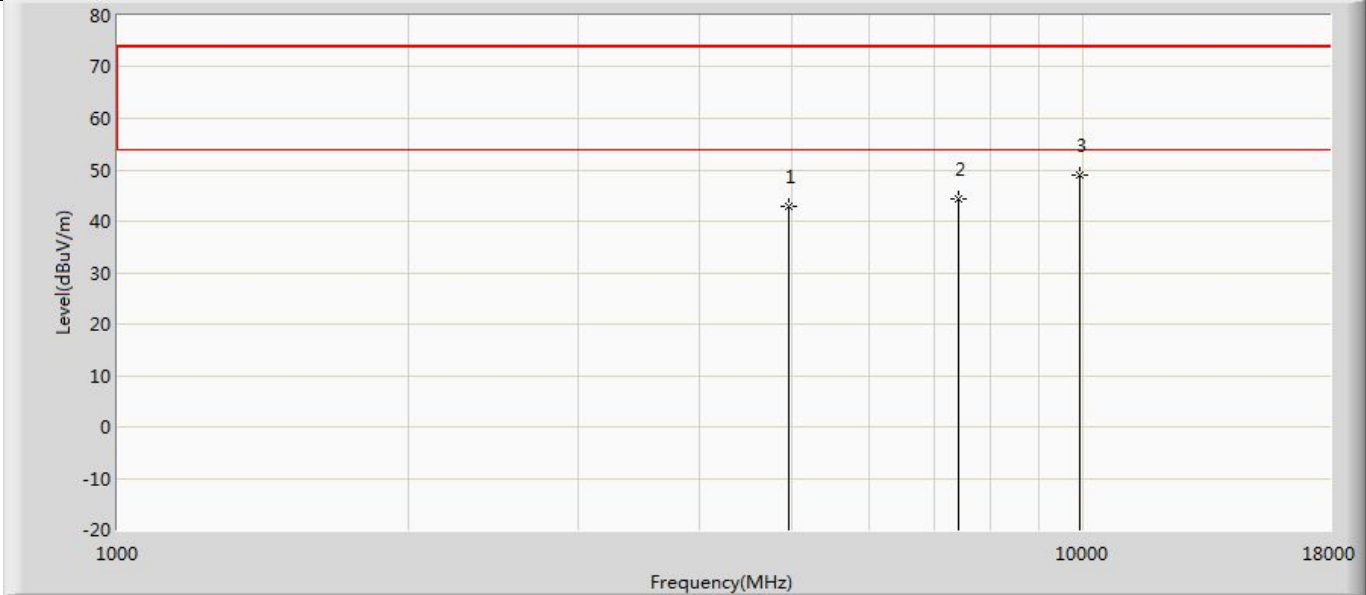
Profile: 24B0601R	Page No.: 35
Engineer: Yuliu	
Site: AC5	Time: 2024/11/30 - 01:10
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Horizontal
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 3 : Transmit at 2480MHz by 3DH5	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4960.000	42.001	52.888	-31.999	74.000	-10.888	PK
2		7440.000	43.724	50.834	-30.276	74.000	-7.110	PK
3	*	9920.000	48.948	50.813	-25.052	74.000	-1.865	PK



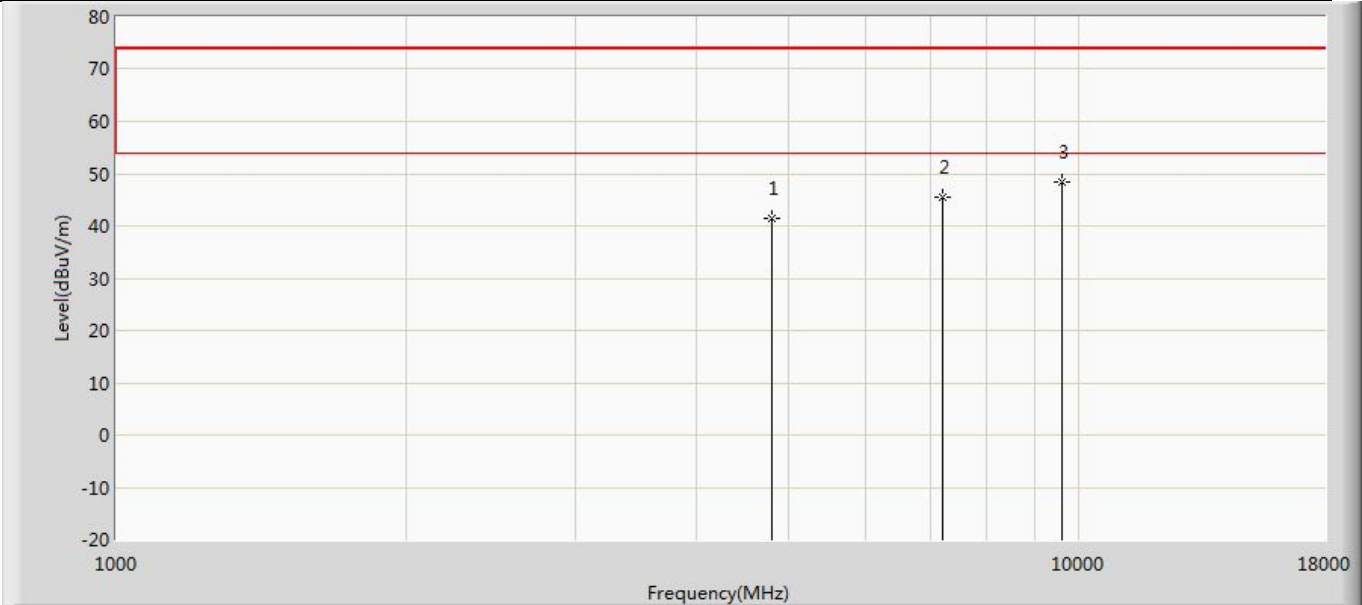
Profile: 24B0601R	Page No.: 36
Engineer: Yuliu	
Site: AC5	Time: 2024/11/30 - 01:11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Vertical
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 3 : Transmit at 2480MHz by 3DH5	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4960.000	42.809	53.696	-31.191	74.000	-10.888	PK
2		7440.000	44.260	51.370	-29.740	74.000	-7.110	PK
3	*	9920.000	48.843	50.708	-25.157	74.000	-1.865	PK

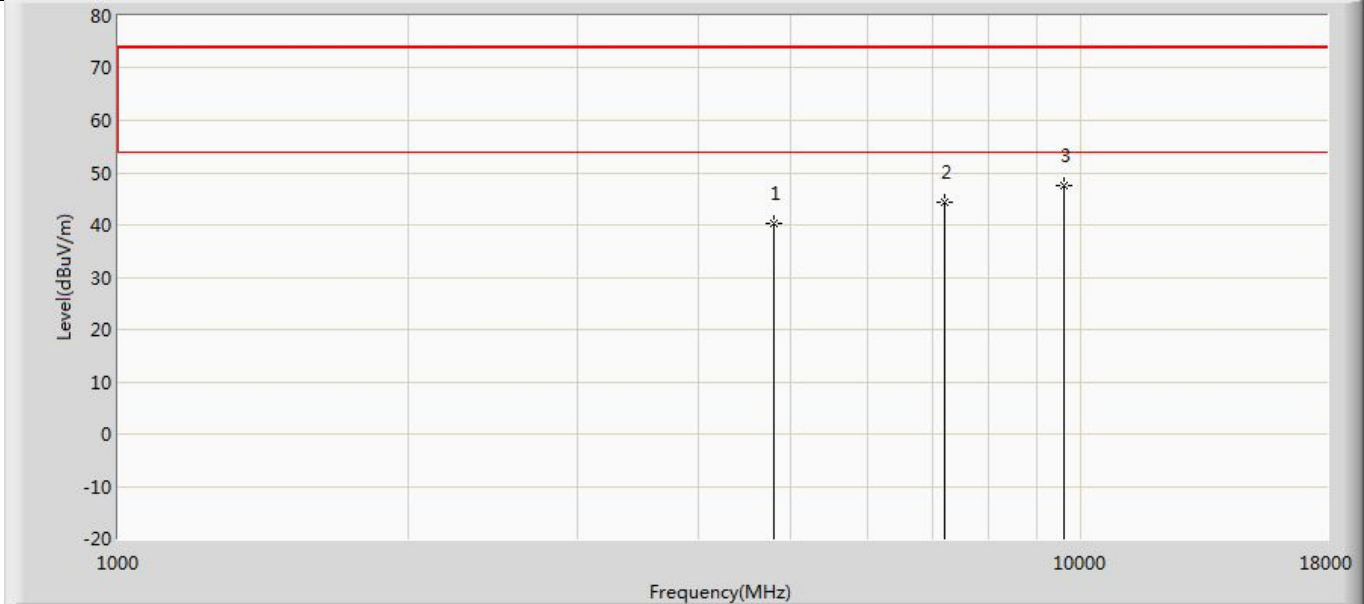
LG North America 65-inch antenna

Profile: 24B0601R	Page No.: 19
Engineer: Yuliu	
Site: AC5	Time: 2024/11/30 - 02:00
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Horizontal
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 1 : Transmit at 2402MHz by DH5	



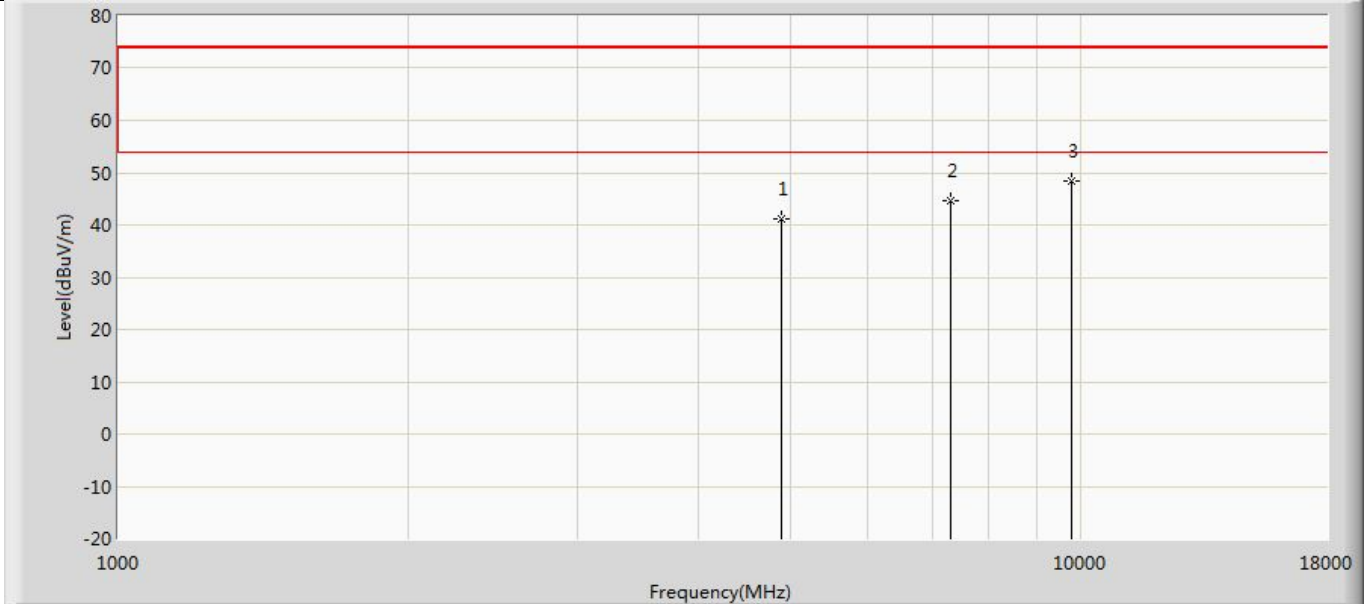
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4804.000	41.464	53.519	-32.536	74.000	-12.055	PK
2		7206.000	45.579	52.139	-28.421	74.000	-6.560	PK
3	*	9608.000	48.340	51.508	-25.660	74.000	-3.167	PK

Profile: 24B0601R	Page No.: 20
Engineer: Yuliu	
Site: AC5	Time: 2024/11/30 - 02:00
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Vertical
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 1 : Transmit at 2402MHz by DH5	



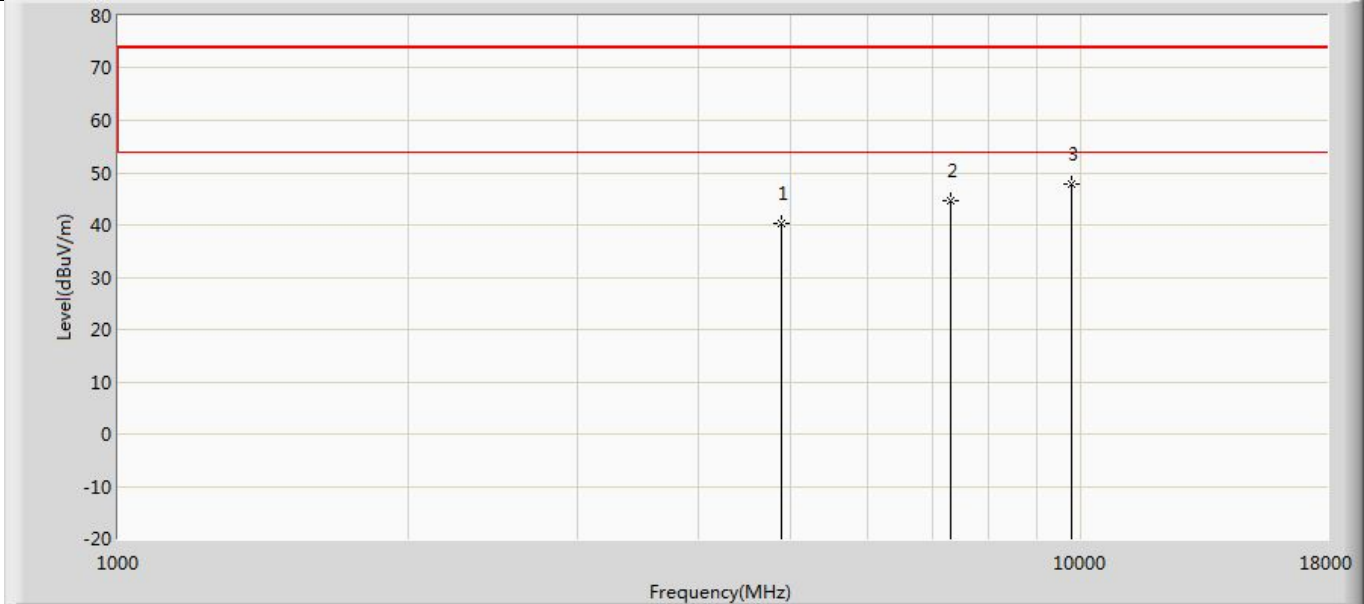
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4804.000	40.241	52.296	-33.759	74.000	-12.055	PK
2		7206.000	44.251	50.811	-29.749	74.000	-6.560	PK
3	*	9608.000	47.528	50.696	-26.472	74.000	-3.167	PK

Profile: 24B0601R	Page No.: 21
Engineer: Yuliu	
Site: AC5	Time: 2024/11/30 - 02:00
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Horizontal
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 1 : Transmit at 2441MHz by DH5	



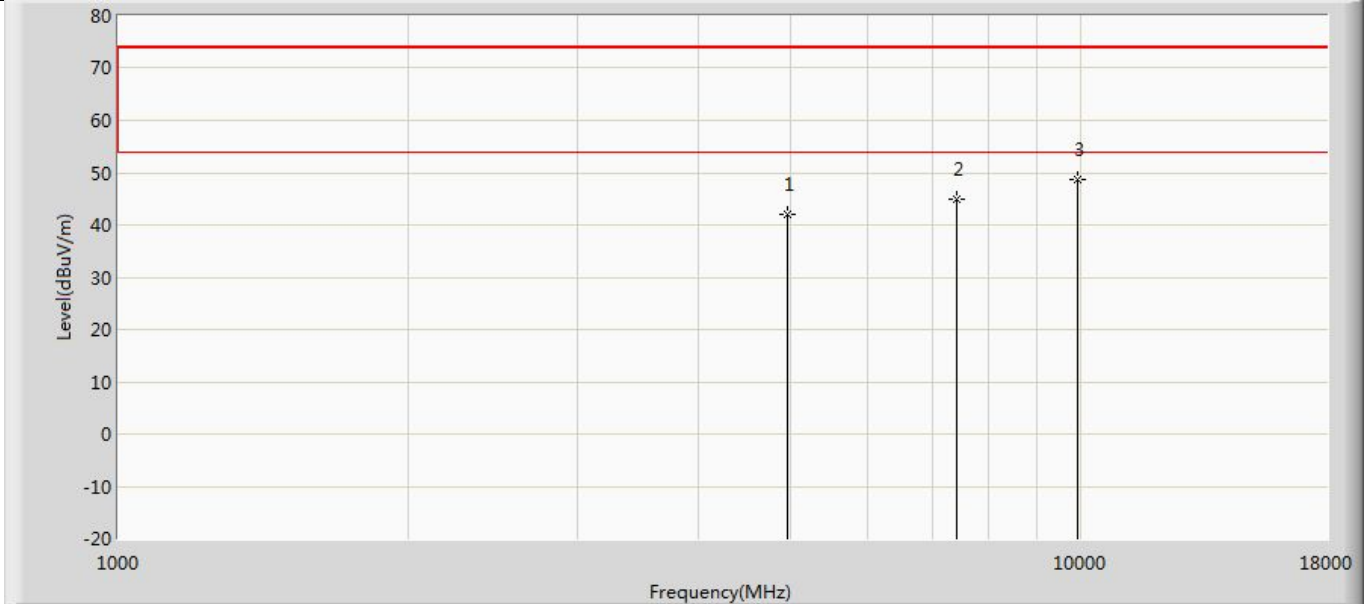
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4882.000	41.019	51.884	-32.981	74.000	-10.866	PK
2		7323.000	44.721	51.942	-29.279	74.000	-7.221	PK
3	*	9764.000	48.433	51.338	-25.567	74.000	-2.905	PK

Profile: 24B0601R	Page No.: 22
Engineer: Yuliu	
Site: AC5	Time: 2024/11/30 - 02:00
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Vertical
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 1 : Transmit at 2441MHz by DH5	



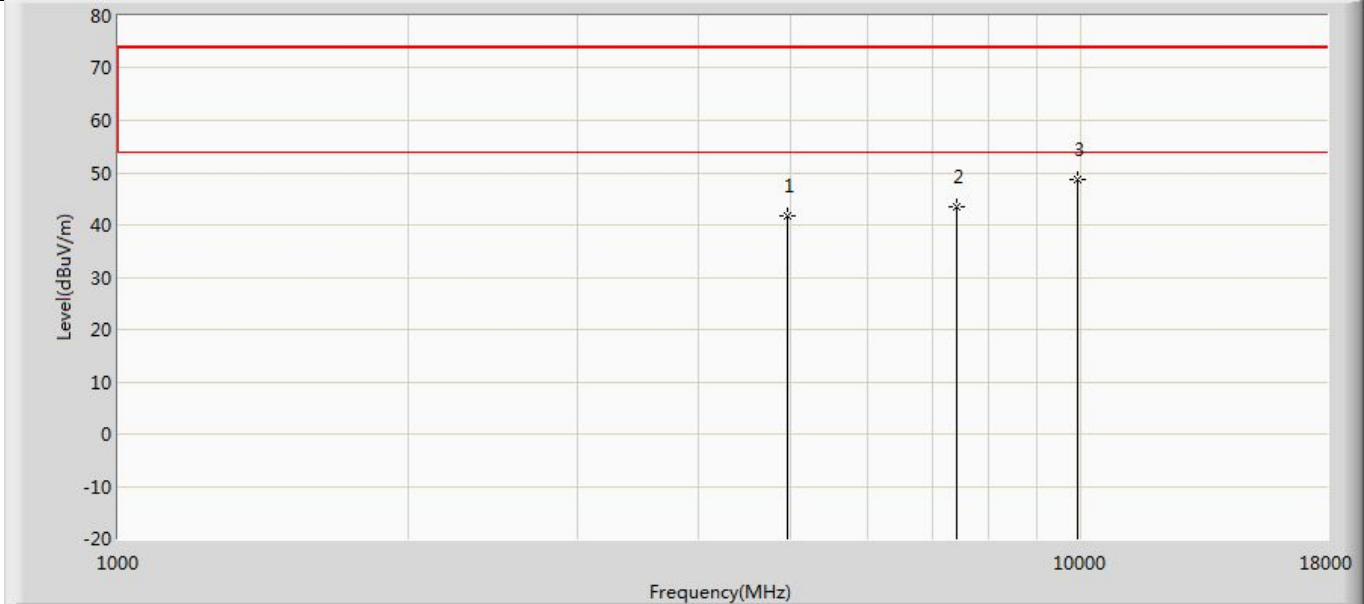
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4882.000	40.185	51.050	-33.815	74.000	-10.866	PK
2		7323.000	44.686	51.907	-29.314	74.000	-7.221	PK
3	*	9764.000	47.731	50.636	-26.269	74.000	-2.905	PK

Profile: 24B0601R	Page No.: 23
Engineer: Yuliu	
Site: AC5	Time: 2024/11/30 - 02:00
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Horizontal
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 1 : Transmit at 2480MHz by DH5	



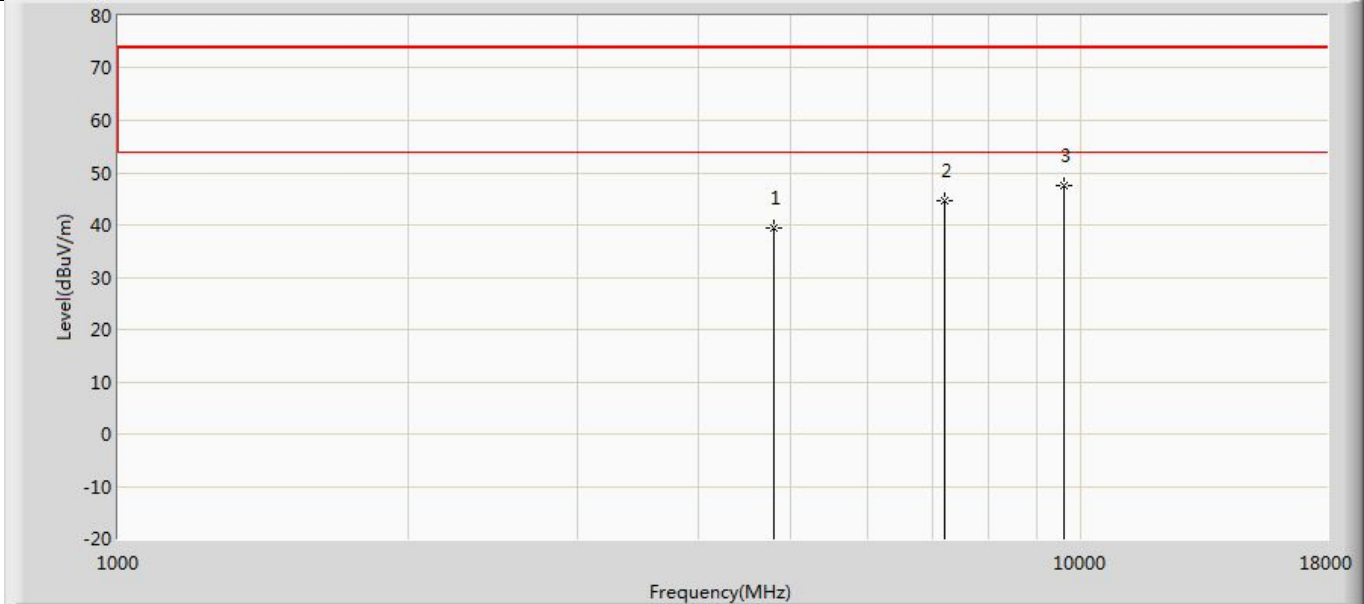
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4960.000	41.950	52.837	-32.050	74.000	-10.888	PK
2		7440.000	44.813	51.923	-29.187	74.000	-7.110	PK
3	*	9920.000	48.692	50.557	-25.308	74.000	-1.865	PK

Profile: 24B0601R	Page No.: 24
Engineer: Yuliu	
Site: AC5	Time: 2024/11/30 - 02:00
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Vertical
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 1 : Transmit at 2480MHz by DH5	



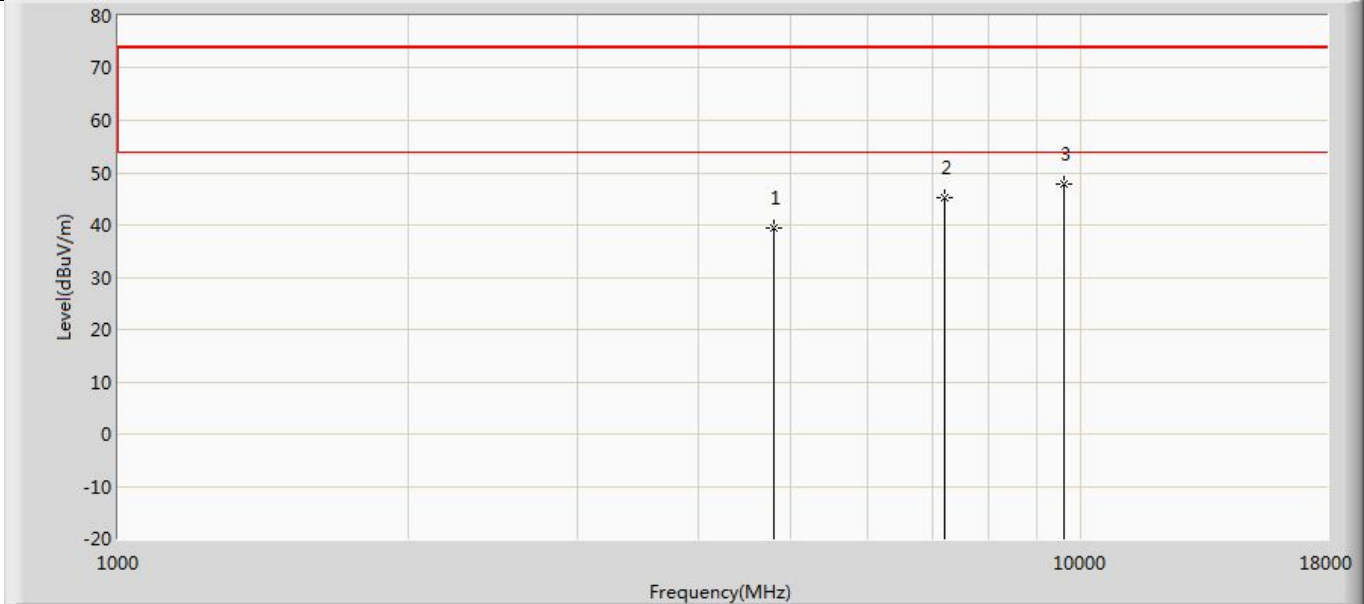
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4960.000	41.841	52.728	-32.159	74.000	-10.888	PK
2		7440.000	43.588	50.698	-30.412	74.000	-7.110	PK
3	*	9920.000	48.579	50.444	-25.421	74.000	-1.865	PK

Profile: 24B0601R	Page No.: 25
Engineer: Yuliu	
Site: AC5	Time: 2024/11/30 - 02:00
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Horizontal
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 2 : Transmit at 2402MHz by 2DH5	



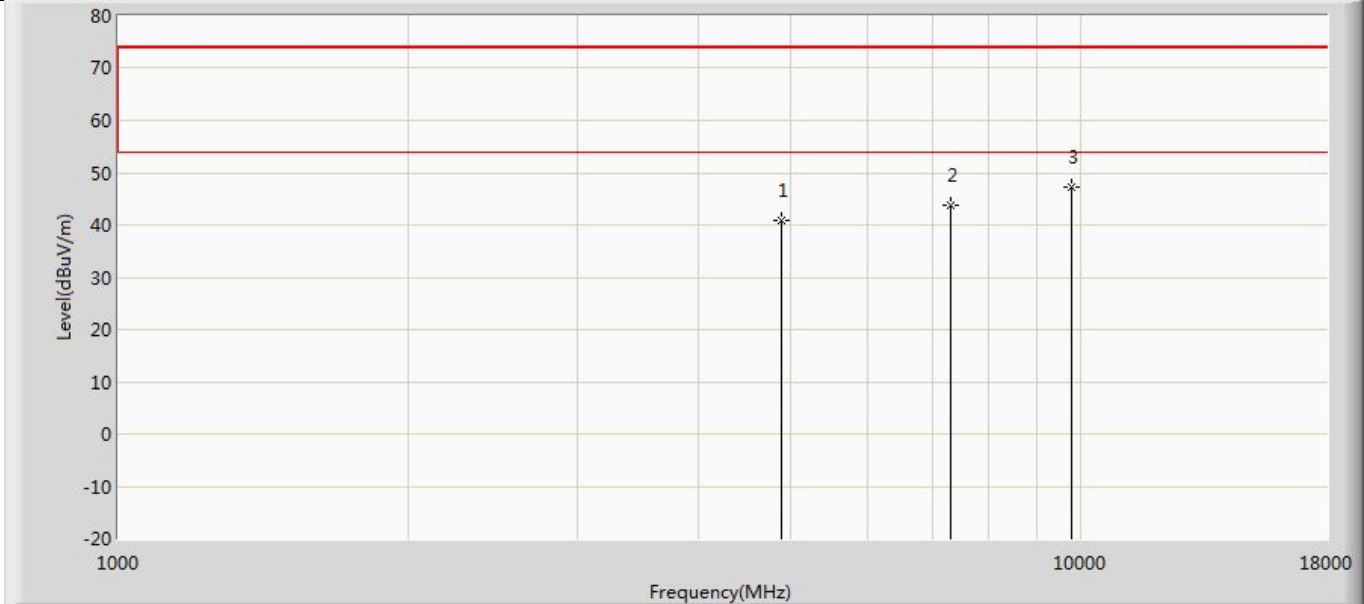
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4804.000	39.532	51.587	-34.468	74.000	-12.055	PK
2		7206.000	44.774	51.334	-29.226	74.000	-6.560	PK
3	*	9608.000	47.499	50.667	-26.501	74.000	-3.167	PK

Profile: 24B0601R	Page No.: 26
Engineer: Yuliu	
Site: AC5	Time: 2024/11/30 - 02:00
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Vertical
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 2 : Transmit at 2402MHz by 2DH5	



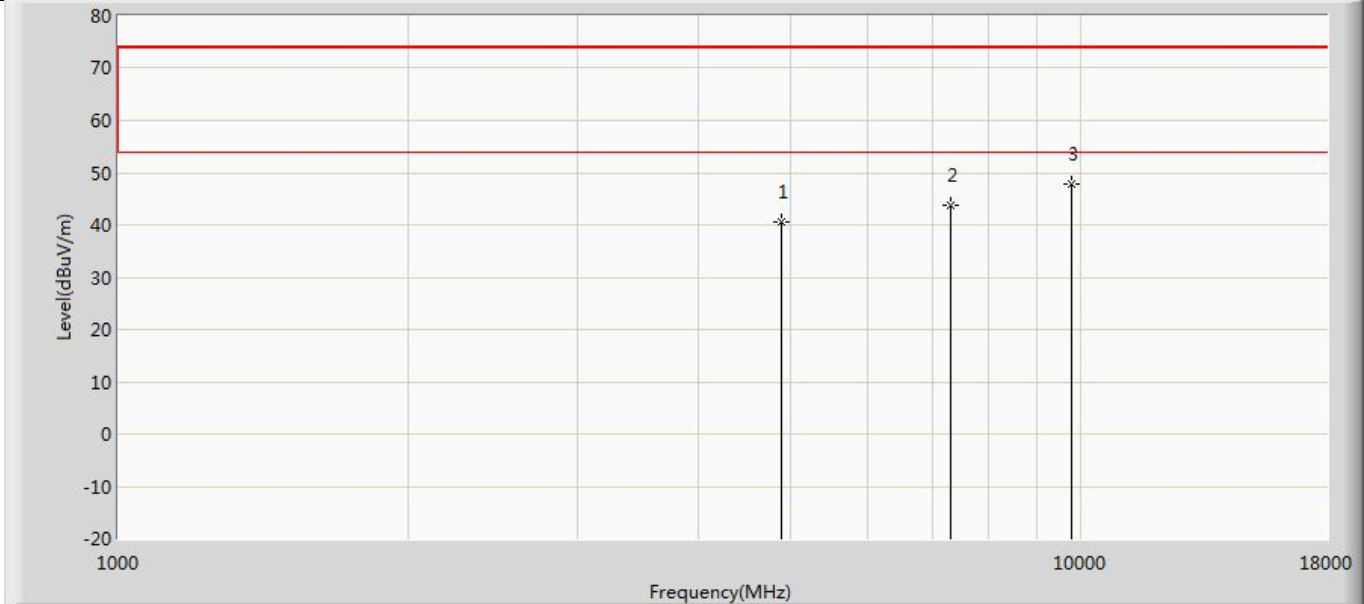
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4804.000	39.424	51.479	-34.576	74.000	-12.055	PK
2		7206.000	45.157	51.717	-28.843	74.000	-6.560	PK
3	*	9608.000	47.833	51.001	-26.167	74.000	-3.167	PK

Profile: 24B0601R	Page No.: 27
Engineer: Yuliu	
Site: AC5	Time: 2024/11/30 - 02:01
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Horizontal
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 2 : Transmit at 2441MHz by 2DH5	



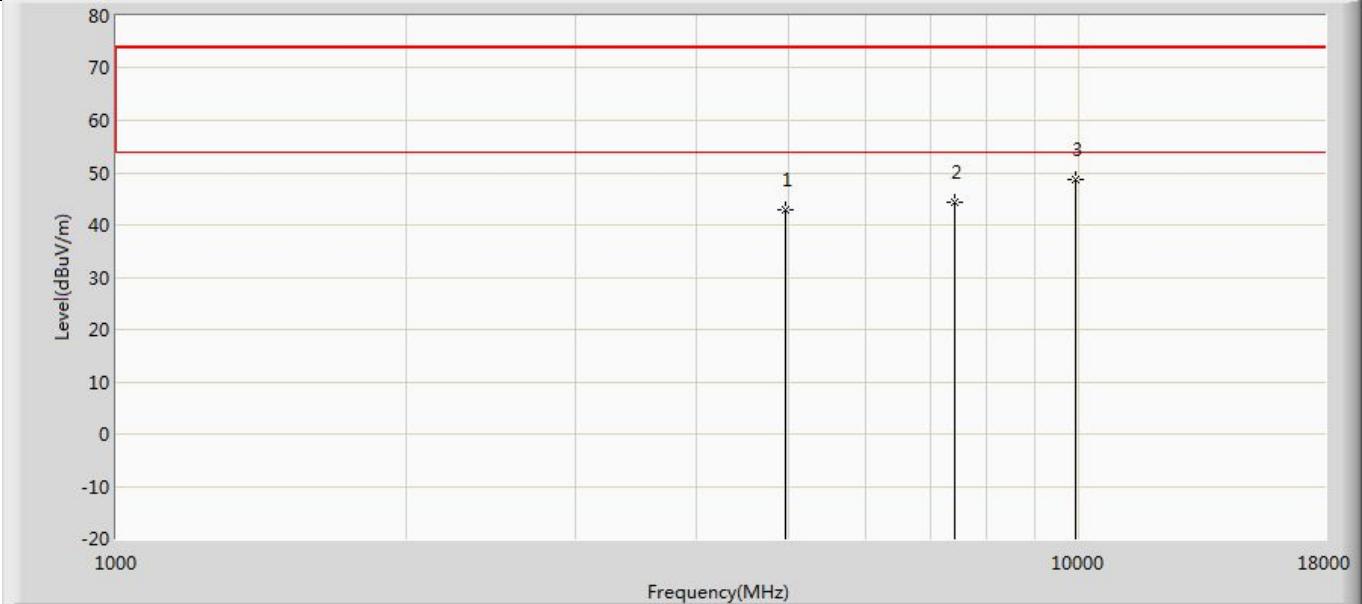
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4882.000	40.965	51.830	-33.035	74.000	-10.866	PK
2		7323.000	43.790	51.011	-30.210	74.000	-7.221	PK
3	*	9764.000	47.369	50.274	-26.631	74.000	-2.905	PK

Profile: 24B0601R	Page No.: 28
Engineer: Yuliu	
Site: AC5	Time: 2024/11/30 - 02:01
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Vertical
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 2 : Transmit at 2441MHz by 2DH5	



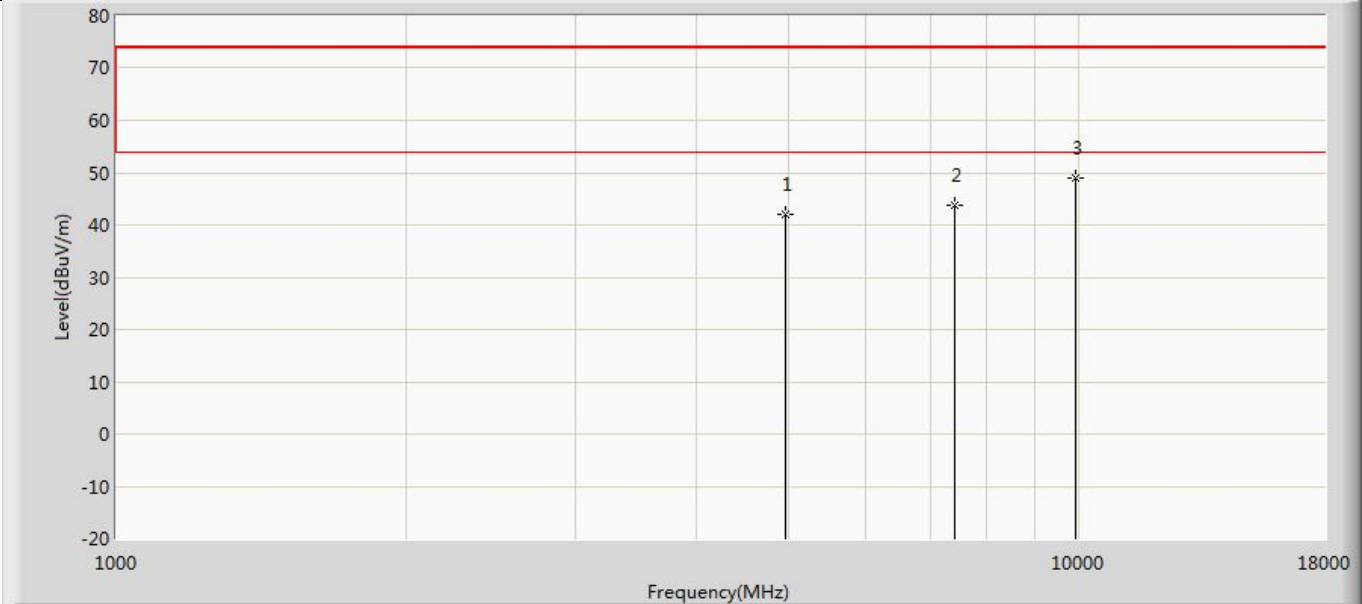
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4882.000	40.505	51.370	-33.495	74.000	-10.866	PK
2		7323.000	43.830	51.051	-30.170	74.000	-7.221	PK
3	*	9764.000	47.891	50.796	-26.109	74.000	-2.905	PK

Profile: 24B0601R	Page No.: 29
Engineer: Yuliu	
Site: AC5	Time: 2024/11/30 - 02:01
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Horizontal
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 2 : Transmit at 2480MHz by 2DH5	



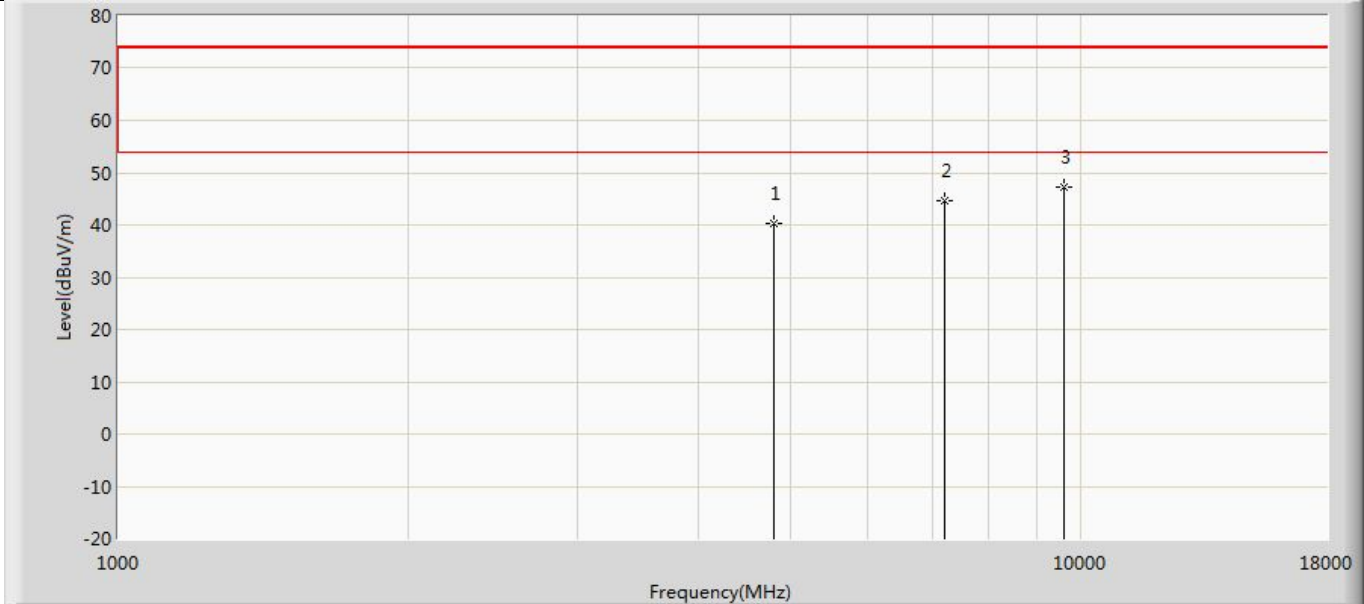
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4960.000	42.787	53.674	-31.213	74.000	-10.888	PK
2		7440.000	44.465	51.575	-29.535	74.000	-7.110	PK
3	*	9920.000	48.652	50.517	-25.348	74.000	-1.865	PK

Profile: 24B0601R	Page No.: 30
Engineer: Yuliu	
Site: AC5	Time: 2024/11/30 - 02:01
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Vertical
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 2 : Transmit at 2480MHz by 2DH5	



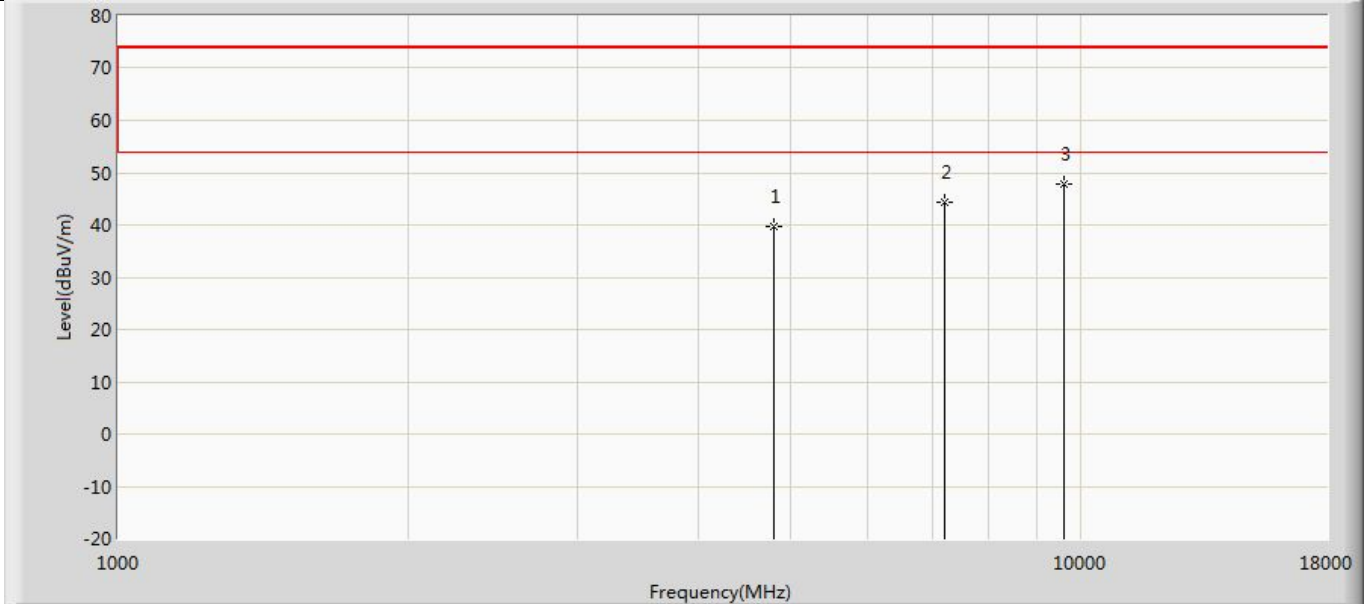
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4960.000	42.001	52.888	-31.999	74.000	-10.888	PK
2		7440.000	43.823	50.933	-30.177	74.000	-7.110	PK
3	*	9920.000	49.022	50.887	-24.978	74.000	-1.865	PK

Profile: 24B0601R	Page No.: 31
Engineer: Yuliu	
Site: AC5	Time: 2024/11/30 - 02:01
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Horizontal
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 3 : Transmit at 2402MHz by 3DH5	



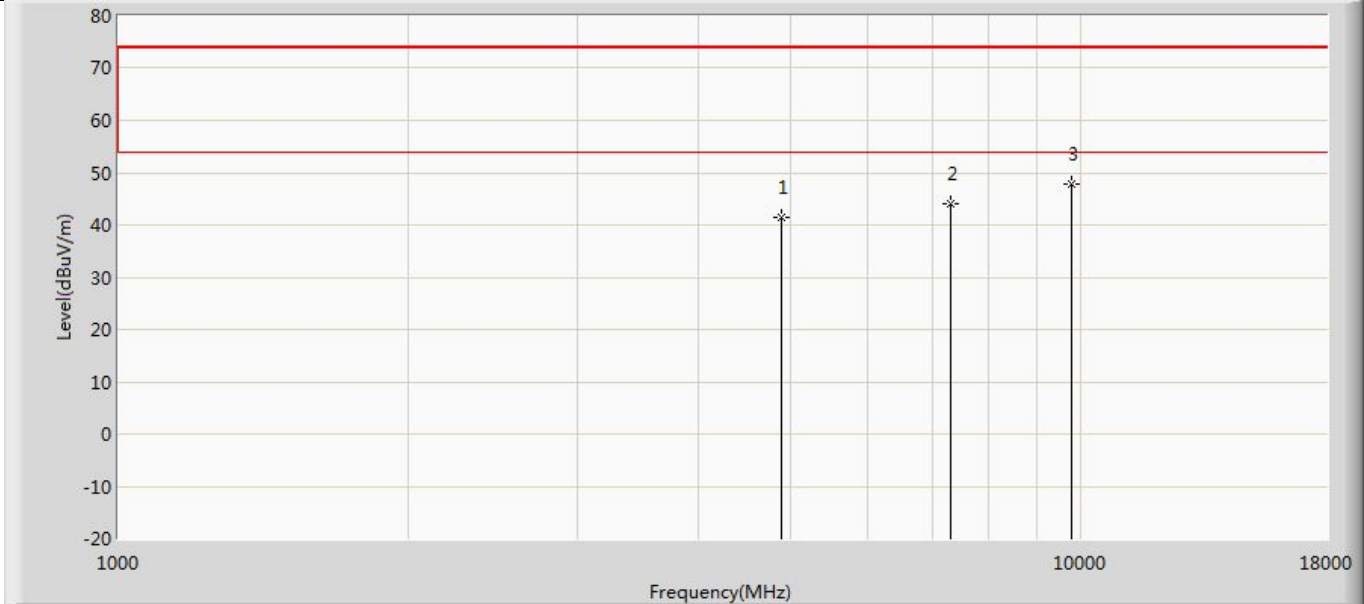
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4804.000	40.259	52.314	-33.741	74.000	-12.055	PK
2		7206.000	44.694	51.254	-29.306	74.000	-6.560	PK
3	*	9608.000	47.178	50.346	-26.822	74.000	-3.167	PK

Profile: 24B0601R	Page No.: 32
Engineer: Yuliu	
Site: AC5	Time: 2024/11/30 - 02:01
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Vertical
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 3 : Transmit at 2402MHz by 3DH5	



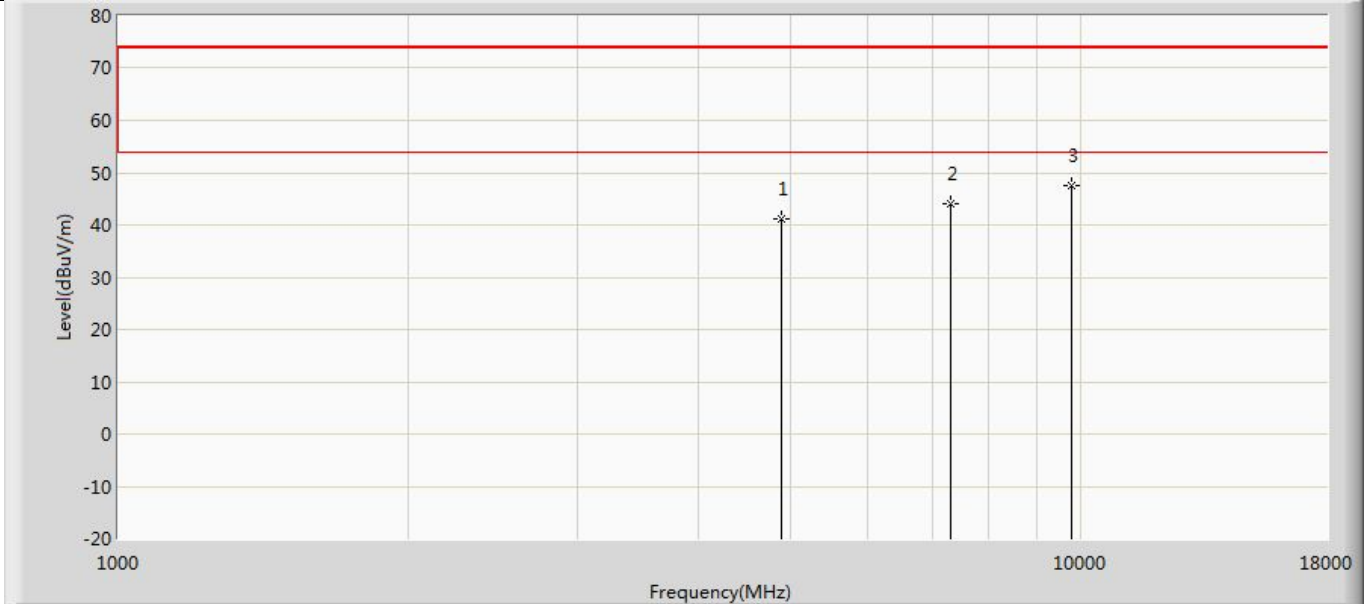
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4804.000	39.794	51.849	-34.206	74.000	-12.055	PK
2		7206.000	44.302	50.862	-29.698	74.000	-6.560	PK
3	*	9608.000	47.815	50.983	-26.185	74.000	-3.167	PK

Profile: 24B0601R	Page No.: 33
Engineer: Yuliu	
Site: AC5	Time: 2024/11/30 - 02:01
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Horizontal
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 3 : Transmit at 2441MHz by 3DH5	



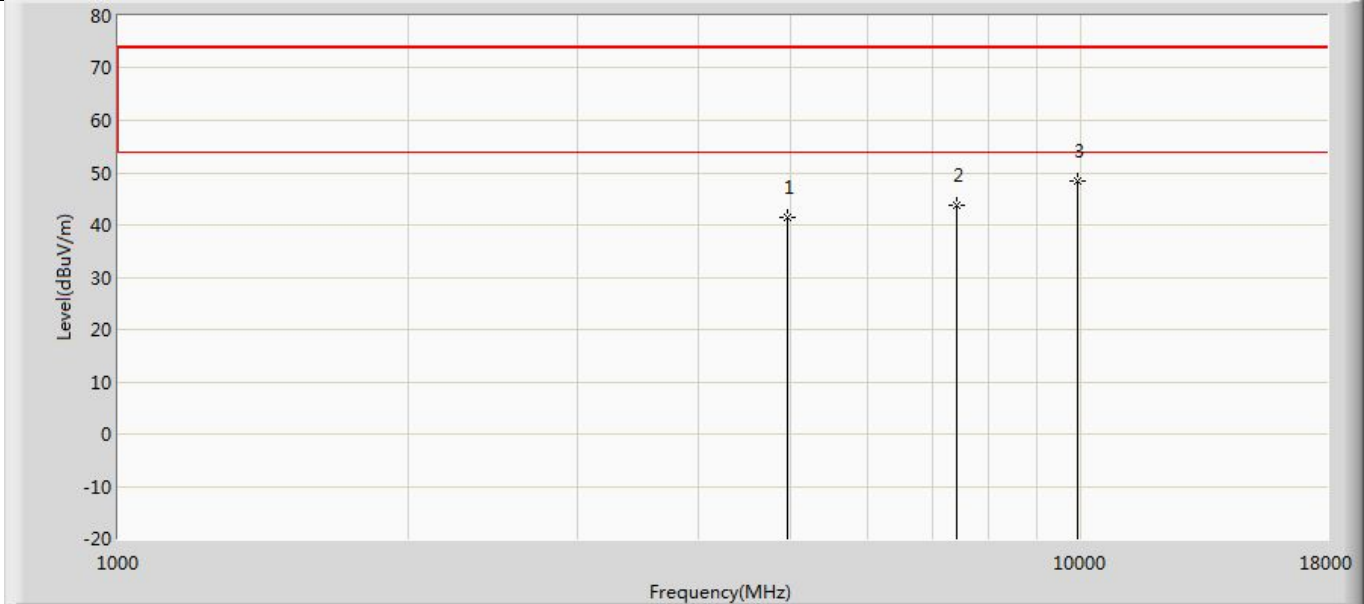
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4882.000	41.376	52.241	-32.624	74.000	-10.866	PK
2		7323.000	43.943	51.164	-30.057	74.000	-7.221	PK
3	*	9764.000	47.729	50.634	-26.271	74.000	-2.905	PK

Profile: 24B0601R	Page No.: 34
Engineer: Yuliu	
Site: AC5	Time: 2024/11/30 - 02:01
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Vertical
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 3 : Transmit at 2441MHz by 3DH5	



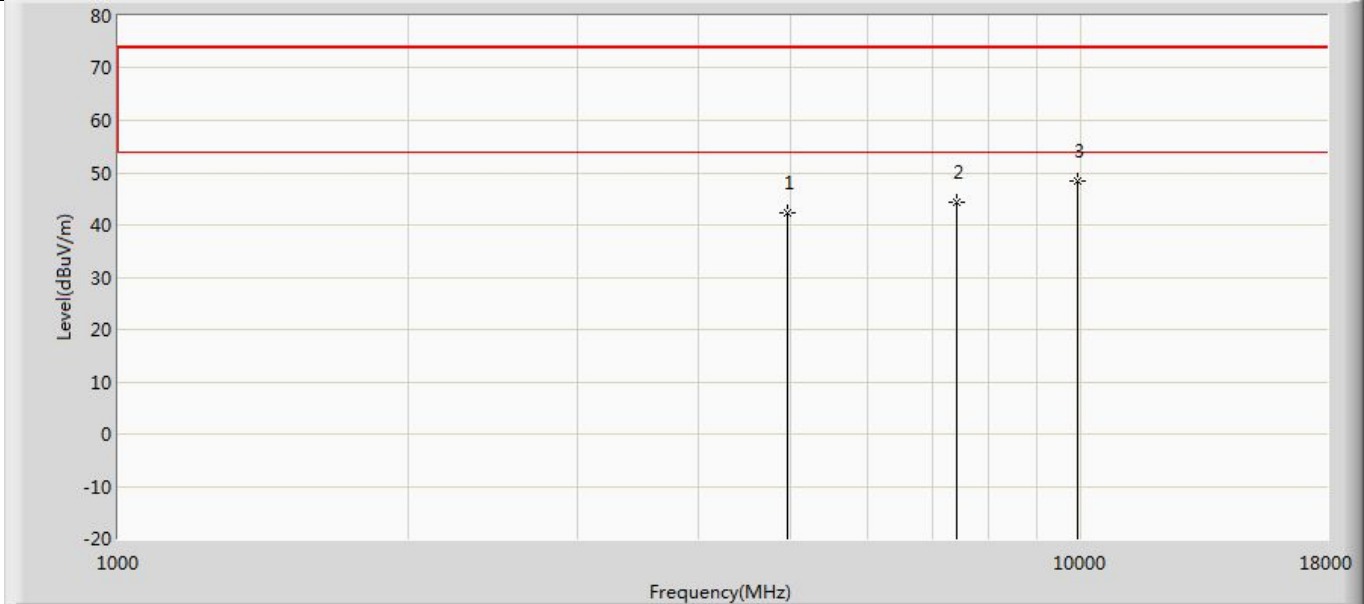
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4882.000	41.062	51.927	-32.938	74.000	-10.866	PK
2		7323.000	44.175	51.396	-29.825	74.000	-7.221	PK
3	*	9764.000	47.654	50.559	-26.346	74.000	-2.905	PK

Profile: 24B0601R	Page No.: 35
Engineer: Yuliu	
Site: AC5	Time: 2024/11/30 - 02:01
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Horizontal
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 3 : Transmit at 2480MHz by 3DH5	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4960.000	41.508	52.395	-32.492	74.000	-10.888	PK
2		7440.000	43.868	50.978	-30.132	74.000	-7.110	PK
3	*	9920.000	48.548	50.413	-25.452	74.000	-1.865	PK

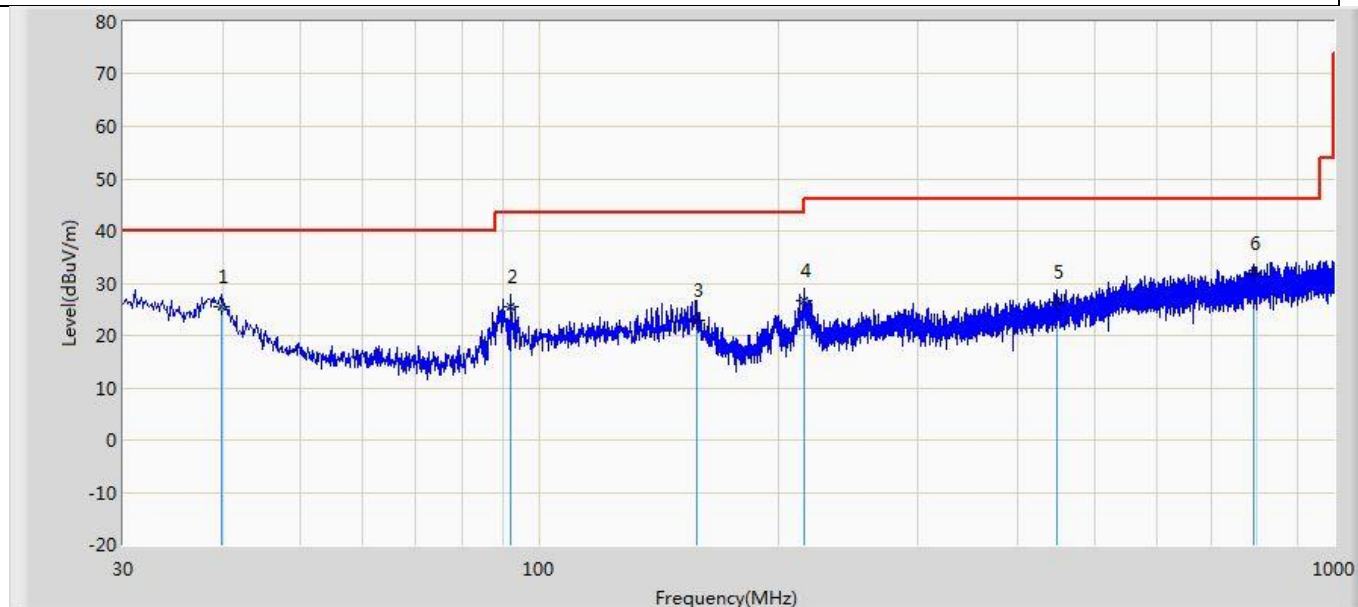
Profile: 24B0601R	Page No.: 36
Engineer: Yuliu	
Site: AC5	Time: 2024/11/30 - 02:01
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Vertical
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 3 : Transmit at 2480MHz by 3DH5	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4960.000	42.383	53.270	-31.617	74.000	-10.888	PK
2		7440.000	44.229	51.339	-29.771	74.000	-7.110	PK
3	*	9920.000	48.375	50.240	-25.625	74.000	-1.865	PK

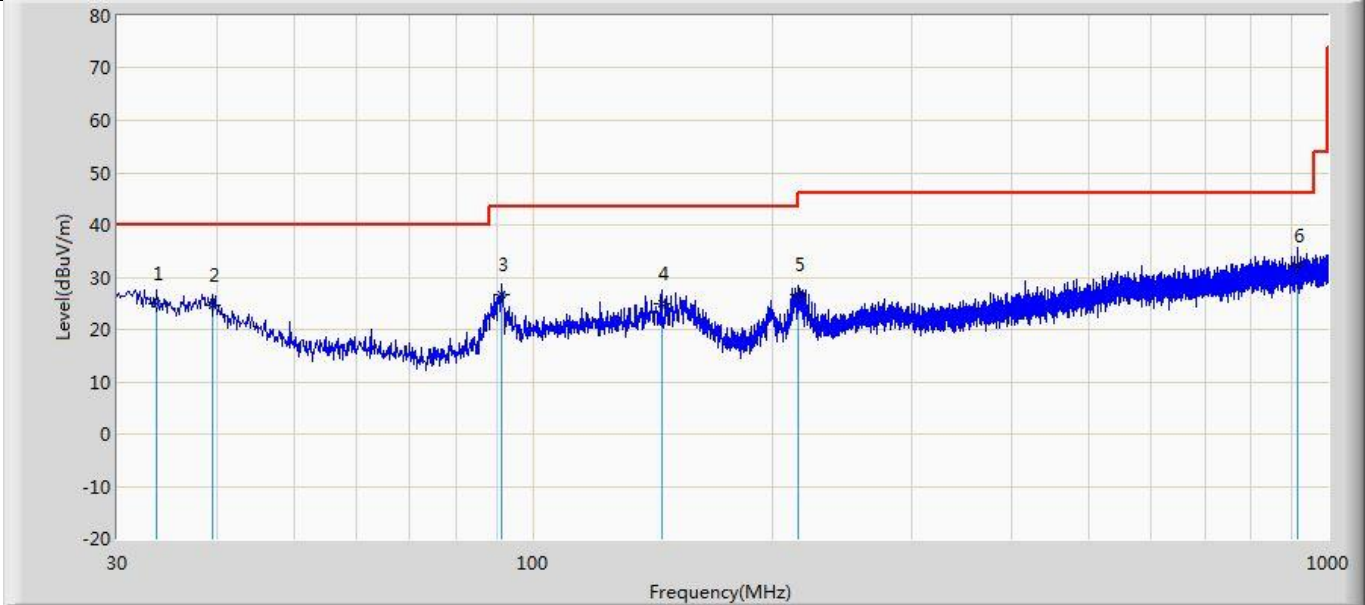
The worst case of radiation emissions in restricted bands below 1GHz:

Profile: 24B0601R	Page No.: 10
Engineer: Yu Liu	
Site: AC2	Time: 2024/11/25 - 08:51
Limit: FCC_Part 15.209_RE (3m)_Class B	Margin: 0
Probe: CBL6112D_27613(30-1000MHz)	Polarity: Vertical
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 1: Transmit at 2402MHz by DH5	



N o	Mar k	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		39.943	25.594	5.987	-14.406	40.000	19.607	QP
2		92.323	25.443	9.014	-18.057	43.500	16.428	QP
3		157.798	23.009	5.933	-20.491	43.500	17.076	QP
4		215.997	26.536	10.066	-16.964	43.500	16.470	QP
5		447.585	26.274	1.687	-19.726	46.000	24.587	QP
6	*	793.390	31.845	2.552	-14.155	46.000	29.293	QP

Profile: 24B0601R	Page No.: 12
Engineer: Yu Liu	
Site: AC2	Time: 2024/11/25 - 08:53
Limit: FCC_Part 15.209_RE (3m)_Class B	Margin: 0
Probe: CBL6112D_27613(30-1000MHz)	Polarity: Horizontal
EUT: SKI.WB663U.2	Power: 3.3 Vdc
Note: Mode 1: Transmit at 2402MHz by DH5	



N o	Mar k	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		33.638	24.845	1.687	-15.155	40.000	23.159	QP
2		39.458	24.517	4.651	-15.483	40.000	19.867	QP
3		91.474	26.616	10.389	-16.884	43.500	16.227	QP
4		145.066	24.859	7.013	-18.641	43.500	17.845	QP
5		215.997	26.568	10.098	-16.932	43.500	16.470	QP
6	*	917.186	32.072	2.115	-13.928	46.000	29.957	QP

Note:

1. " * ", means this data is the worst emission level.
2. Measurement Level = Reading Level + Factor(Probe+Cable-Amp)
3. The test frequency range, 9kHz~30MHz, worst case are at least 20dB below the limits, therefore no data appear in the report.
4. 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.
5. If the test result on peak is lower than average limit, then average measurement needn't be performed.

The End