FCC Radio Test Report

FCC ID: BEJKBA2

Report No.	:	BTL-FCCP-1-2201T123
Equipment	:	KEYBOARD
Model Name	:	KBA2
Brand Name	:	LG
Applicant	:	LG Electronics USA
Address	:	111 Sylvan Avenue, North Building, Englewood Cliffs, New Jersey, United States,07632
Radio Function	:	Short Range Devices
FCC Rule Part(s)	:	FCC Part15, Subpart C (15.249)
Measurement Procedure(s)	:	ANSI C63.10-2013
Date of Receipt	:	2022/2/8
Date of Test	:	2022/2/8 ~ 2022/3/18
Issued Date	:	2022/3/23

The above equipment has been tested and found in compliance with the requirement of the above standards by BTL Inc.

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Testing Laboratory 0659

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Declaration

BTL represents to the client that testing is done in accordance with standard procedures as applicable and that test instruments used has been calibrated with standards traceable to international standard(s) and/or national standard(s).

BTL's reports apply only to the specific samples tested under conditions. It is manufacture's responsibility to ensure that additional production units of this model are manufactured with the identical electrical and mechanical components. **BTL** shall have no liability for any declarations, inferences or generalizations drawn by the client or others from **BTL** issued reports.

This report is the confidential property of the client. As a mutual protection to the clients, the public and ourselves, the test report shall not be reproduced, except in full, without our written approval.

BTL's laboratory quality assurance procedures are in compliance with the **ISO/IEC 17025** requirements, and accredited by the conformity assessment authorities listed in this test report.

BTL is not responsible for the sampling stage, so the results only apply to the sample as received.

The information, data and test plan are provided by manufacturer which may affect the validity of results, so it is manufacturer's responsibility to ensure that the apparatus meets the essential requirements of applied standards and in all the possible configurations as representative of its intended use.

Limitation

For the use of the authority's logo is limited unless the Test Standard(s)/Scope(s)/Item(s) mentioned in this test report is (are) included in the conformity assessment authorities acceptance respective.

Please note that the measurement uncertainty is provided for informational purpose only and are not use in determining the Pass/Fail results.

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REVISION HISTORY

Report No.	Version	Description	Issued Date	Note
BTL-FCCP-1-2201T123	R00	Original Report.	2022/3/23	Valid

SUMMARY OF TEST RESULTS

Test procedures according to the technical standards.

FCC Part 15, Subpart C (15.249)				
Standard(s) Section	**Description**	**Test Result**	**Judgement**	**Remark**
15.207	AC Power Line Conducted Emissions	------	N/A	------
15.205 15.209 15.249(a)(d)	Radiated Emissions	APPENDIX A APPENDIX B	Pass	------
15.215(c)	Bandwidth	APPENDIX C	Pass	------

NOTE:
(1) ”N/A” denotes test is not applicable in this Test Report.
(2) The report format version is TP.1.1.1.

1.1 TEST FACILITY

The test facilities used to collect the test data in this report:

No. 68-1, Ln. 169, Sec. 2, Datong Rd., Xizhi Dist., New Taipei City 221, Taiwan
The test sites and facilities are covered under FCC RN: 674415 and DN: TW0659.

☐ C05 ☐ CB08 ☐ CB11 ☒ CB15 ☐ CB16
☒ SR06

1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement **y ± U**, where expanded uncertainty **U** is based on a standard uncertainty multiplied by a coverage factor of **k = 2**, providing a level of confidence of approximately **95 %**. The measurement instrumentation uncertainty considerations contained in CISPR 16-4-2. The BTL measurement uncertainty is less than the CISPR 16-4-2 U_{cispr} requirement.

A. Radiated emissions test :

Test Site	Measurement Frequency Range	U,(dB)
CB15	0.03 GHz ~ 0.2 GHz	4.17
	0.2 GHz ~ 1 GHz	4.72
	1 GHz ~ 6 GHz	5.21
	6 GHz ~ 18 GHz	5.51
	18 GHz ~ 26 GHz	3.69
	26 GHz ~ 40 GHz	4.23

B. Conducted test :

Test Item	U,(dB)
Bandwidth	0.5334

NOTE:
Unless specifically mentioned, the uncertainty of measurement has not been taken into account to declare the compliance or non-compliance to the specification.

1.3 TEST ENVIRONMENT CONDITIONS

Test Item	Environment Condition	Test Voltage	Tested by
Radiated emissions below 1 GHz	22 °C, 68 %	DC 3V	Eddie Lee
Radiated emissions above 1 GHz	22 °C, 62 ~ 68 %	DC 3V	Eddie Lee
Bandwidth	24.6 °C, 67 %	DC 3V	William Wei

1.4 TABLE OF PARAMETERS OF TEXT SOFTWARE SETTING

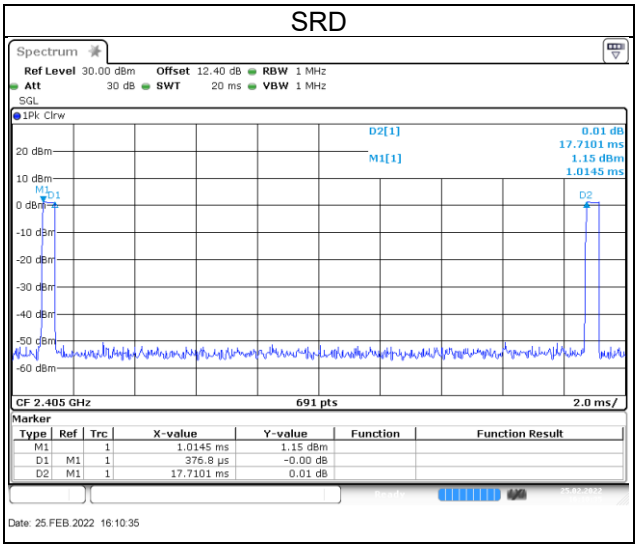
Test Software	Pixart EMI Test Tool v1.2.8			
Frequency	2405 MHz	2442 MHz	2474 MHz	Data Rate
SRD	4	4	4	2 Mbps

1.5 DUTY CYCLE

If duty cycle is ≥ 98 %, duty factor is not required.
If duty cycle is < 98 %, duty factor shall be considered.

Remark	Delta 1			Delta 2	On Time/Period
Mode	ON (ms)	Numbers (ON)	On Time (B) (ms)	Period (ON+OFF) (ms)	Duty Cycle (%)
SRD	0.377	1	0.377	17.710	2.13%

SRD



GENERAL INFORMATION

1.6 DESCRIPTION OF EUT

Equipment	KEYBOARD
Model Name	KBA2
Brand Name	LG
Model Difference	N/A
Power Source	Supplied from battery.
Power Rating	DC 3V
Products Covered	N/A
Frequency Range	2400 MHz ~ 2483.5 MHz
Operation Frequency	2405 MHz ~ 2474 MHz
Modulation Technology	GFSK
Transfer Rate	2 Mbps
Field Strength	101.40 dBuV/m
Test Model	KBA2
Sample Status	Engineering Sample
EUT Modification(s)	N/A

NOTE:
(1) For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
(2) Channel List:

Channel	Frequency (MHz)
01	2405
02	2407
03	2418
04	2426
05	2430
06	2437
07	2442
08	2447
09	2458
10	2469
11	2471
12	2474

(3) Table for Filed Antenna:

Ant.	Brand	Model	Antenna Type	Connector	Gain (dBi)
1	Unictron Technologies Corp.	AA055C	Chip	N/A	2.5

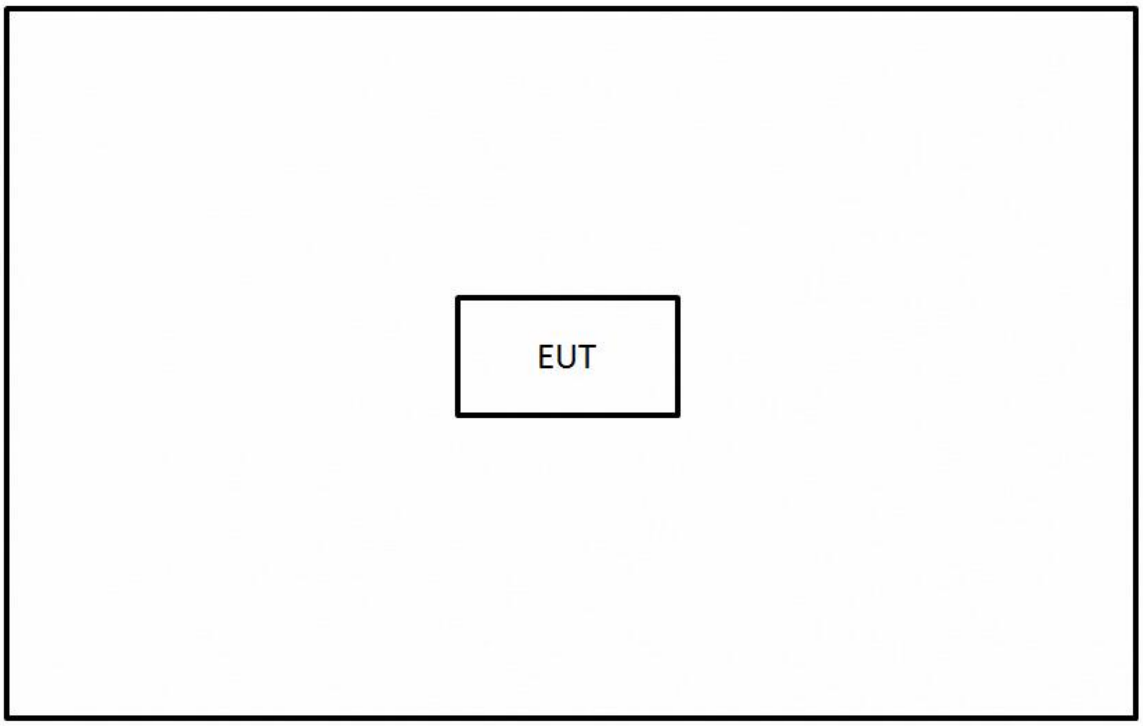
1.7 TEST MODES

Test Items	Test mode	Channel	Note
Transmitter Radiated Emissions (below 1GHz)	SRD	12	-
Transmitter Radiated Emissions (above 1GHz)	SRD	01/07/12	Fundamental
	SRD	01/07/12	Harmonic
Bandwidth	SRD	01/07/12	-

NOTE:
(1) The Radiated emissions test was verified based on the worst conducted power and Bandwidth test results reported in the original report.
(2) All X, Y and Z axes are evaluated, but only the worst case (X axis) is recorded.
(3) There were no emissions found below 30 MHz within 20 dB of the limit.

1.8 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

Equipment letters and Cable numbers refer to item numbers described in the tables of clause 1.9.



1.9 SUPPORT UNITS

Item	Equipment	Brand	Model No.	Series No.	Remarks
-	-	-	-	-	-

Item	Shielded	Ferrite Core	Length	Cable Type	Remarks
-	-	-	-	-	-

RADIATED EMISSIONS TEST

1.10 LIMIT

In case the emission fall within the restricted band specified on 15.205, then the 15.209 limit in the table below has to be followed.

LIMITS OF RADIATED EMISSIONS MEASUREMENT (9 kHz to 1000 MHz)

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
960~1000	500	3

LIMITS OF RADIATED EMISSIONS MEASUREMENT (Above 1000 MHz)

Frequency (MHz)	Radiated Emissions (dBuV/m)		Measurement Distance (meters)
	Peak	Average	
Above 1000	74	54	3

NOTE:
(1) The limit for radiated test was performed according to FCC Part 15, Subpart C.
(2) The tighter limit applies at the band edges.
(3) Emission level (dBuV/m)=20log Emission level (uV/m).
(4) The test result calculated as following:
Measurement Value = Reading Level + Correct Factor
Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain(if use)
Margin Level = Measurement Value - Limit Value
Calculation example:

Reading Level		Correct Factor		Measurement Value
19.11	+	2.11	=	21.22

Measurement Value		Limit Value		Margin Level
21.22	-	54	=	-32.78

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RBW / VBW (Emission in restricted band)	1MHz / 3MHz for Peak, 1MHz / 1/T for Average

Spectrum Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9KHz~90KHz for PK/AVG detector
Start ~ Stop Frequency	90KHz~110KHz for QP detector
Start ~ Stop Frequency	110KHz~490KHz for PK/AVG detector
Start ~ Stop Frequency	490KHz~30MHz for QP detector
Start ~ Stop Frequency	30MHz~1000MHz for QP detector

1.11 TEST PROCEDURE

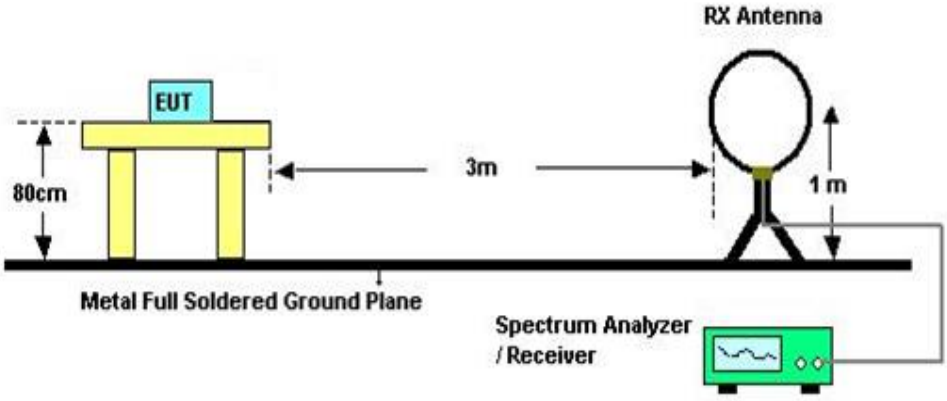
a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
b. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 1.5 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(above 1GHz)
c. The height of the equipment or of the substitution antenna shall be 0.8 m or 1.5 m, the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights find the maximum reading (used Bore sight function).
e. The receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1GHz.
f. The initial step in collecting radiated emission data is a receiver peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
g. All readings are Peak unless otherwise stated QP in column of Note. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn‘t perform. (below 1GHz)
h. All readings are Peak Mode value unless otherwise stated AVG in column of Note. If the Peak Mode Measured value compliance with the Peak Limits and lower than AVG Limits, the EUT shall be deemed to meet both Peak & AVG Limits and then only Peak Mode was measured, but AVG Mode didn‘t perform. (above 1GHz)
i. For the actual test configuration, please refer to the related Item – EUT TEST PHOTO.

1.12 DEVIATION FROM TEST STANDARD

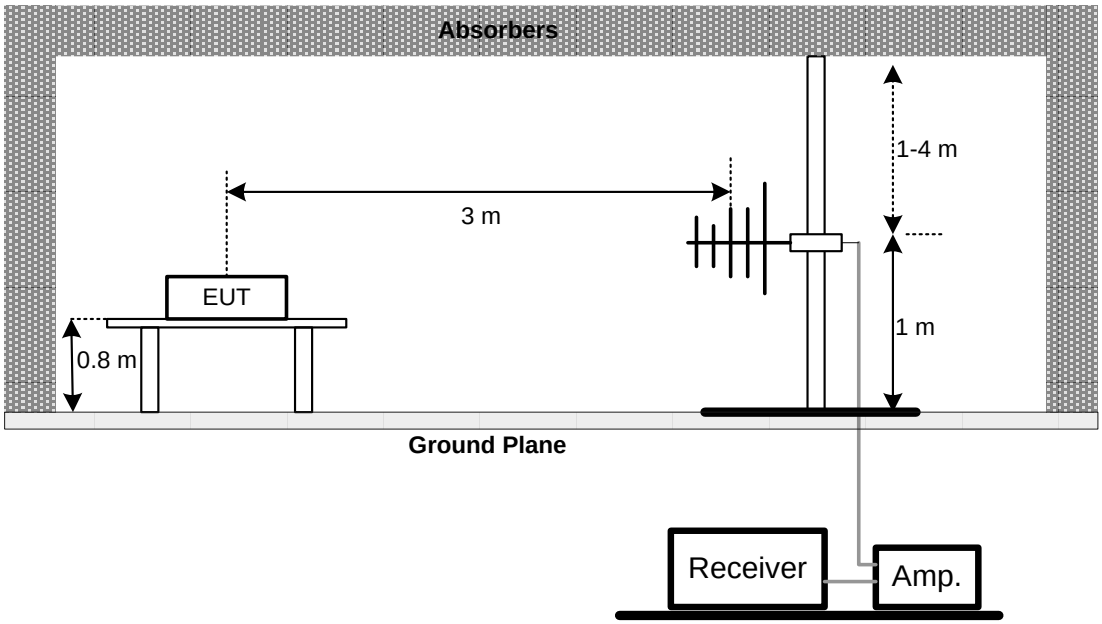
No deviation.

1.13 TEST SETUP

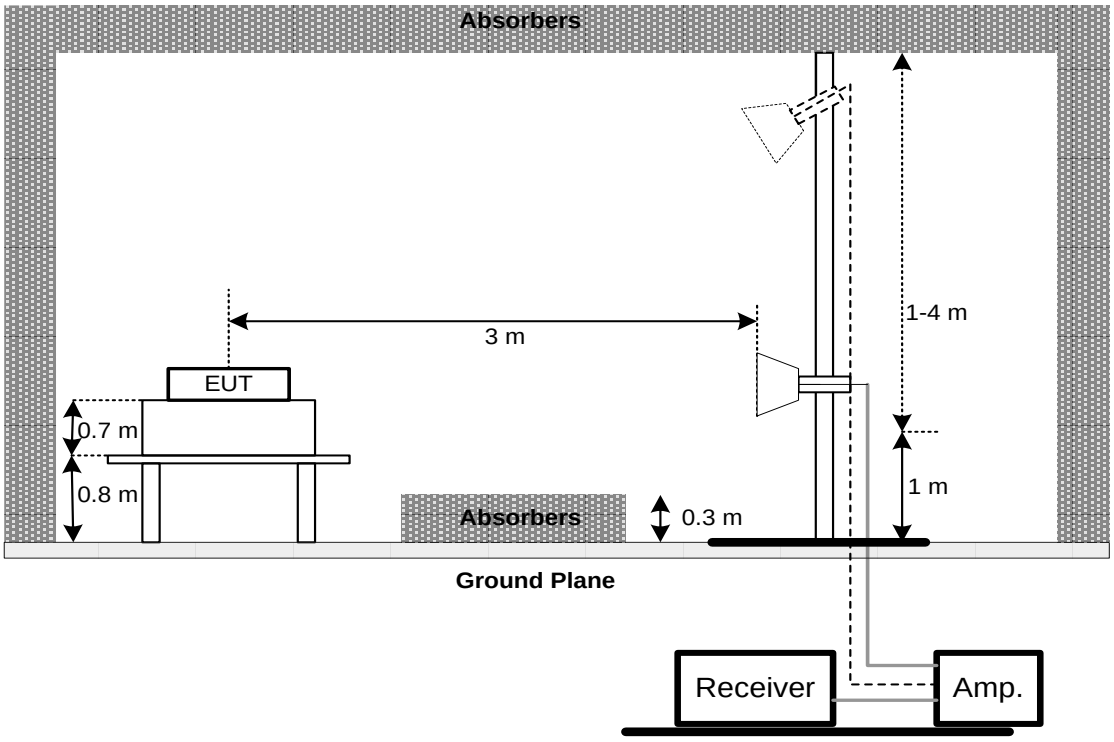
9 kHz to 30 MHz



30 MHz to 1 GHz



Above 1 GHz



1.14 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

1.15 TEST RESULT – 30 MHZ TO 1 GHZ

Please refer to the APPENDIX A.

1.16 TEST RESULT – ABOVE 1 GHZ

Please refer to the APPENDIX B.

NOTE:

(1) No limit: This is fundamental signal, the judgment is not applicable.
For fundamental signal judgment was referred to Peak output test.

BANDWIDTH TEST

1.17 APPLIED PROCEDURES / LIMIT

Intentional radiators operating under the alternative provisions to the general emission limits, as contained in §§15.217 through 15.257 and in subpart E of this part, must be designed to ensure that the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated. In the case of intentional radiators operating under the provisions of subpart E, the emission bandwidth may span across multiple contiguous frequency bands identified in that subpart. The requirement to contain the designated bandwidth of the emission within the specified frequency band includes the effects from frequency sweeping, frequency hopping and other modulation techniques that may be employed as well as the frequency stability of the transmitter over expected variations in temperature and supply voltage. If a frequency stability is not specified in the regulations, it is recommended that the fundamental emission be kept within at least the central 80% of the permitted band in order to minimize the possibility of out-of-band operation.

1.18 TEST PROCEDURE

a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
b. Spectrum Setting : RBW= 100KHz, VBW=300KHz, Sweep time = 2.5 ms.

1.19 DEVIATION FROM STANDARD

No deviation.

1.20 TEST SETUP

1.21 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 4.1.5 unless otherwise a special operating condition is specified in the follows during the testing.

1.22 TEST RESULTS

Please refer to the APPENDIX C.

LIST OF MEASURING EQUIPMENTS

Radiated Emissions						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Preamplifier	EMCI	EMC02325	980217	2021/4/8	2022/4/7
2	Preamplifier	EMCI	EMC012645B	980222	2021/4/8	2022/4/7
3	Preamplifier	EMCI	EMC001340	980555	2021/4/8	2022/4/7
4	Test Cable	EMCI	EMC104-SM-1000	180809	2021/4/8	2022/4/7
5	Test Cable	EMCI	EMC104-SM-SM-3000	151205	2021/4/8	2022/4/7
6	Test Cable	EMCI	EMC-SM-SM-7000	180408	2021/4/8	2022/4/7
7	MXE EMI Receiver	Agilent	N9038A	MY56400087	2021/5/27	2022/5/26
8	Signal Analyzer	Agilent	N9010A	MY56480554	2021/8/25	2022/8/24
9	Loop Ant	Electro-Metrics	EMCI-LPA600	274	2021/6/1	2022/5/31
10	Horn Ant	SCHWARZBECK	BBHA 9120D	9120D-1342	2021/6/2	2022/6/1
11	Horn Ant	Schwarzbeck	BBHA 9170	340	2021/7/9	2022/7/8
12	Trilog-Broadband Antenna	Schwarzbeck	VULB 9168	9168-352	2021/8/11	2022/8/10
13	5dB Attenuator	EMCI	EMCI-N-6-05	AT-N0625	2021/8/11	2022/8/10
14	Measurement Software	EZ	EZ_EMC (Version NB-03A1-01)	N/A	N/A	N/A

Bandwidth						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Spectrum Analyzer	R&S	FSV 7	103032	2021/8/17	2022/8/16

Remark: "N/A" denotes no model name, no serial no. or no calibration specified.
All calibration period of equipment list is one year.

EUT TEST PHOTO

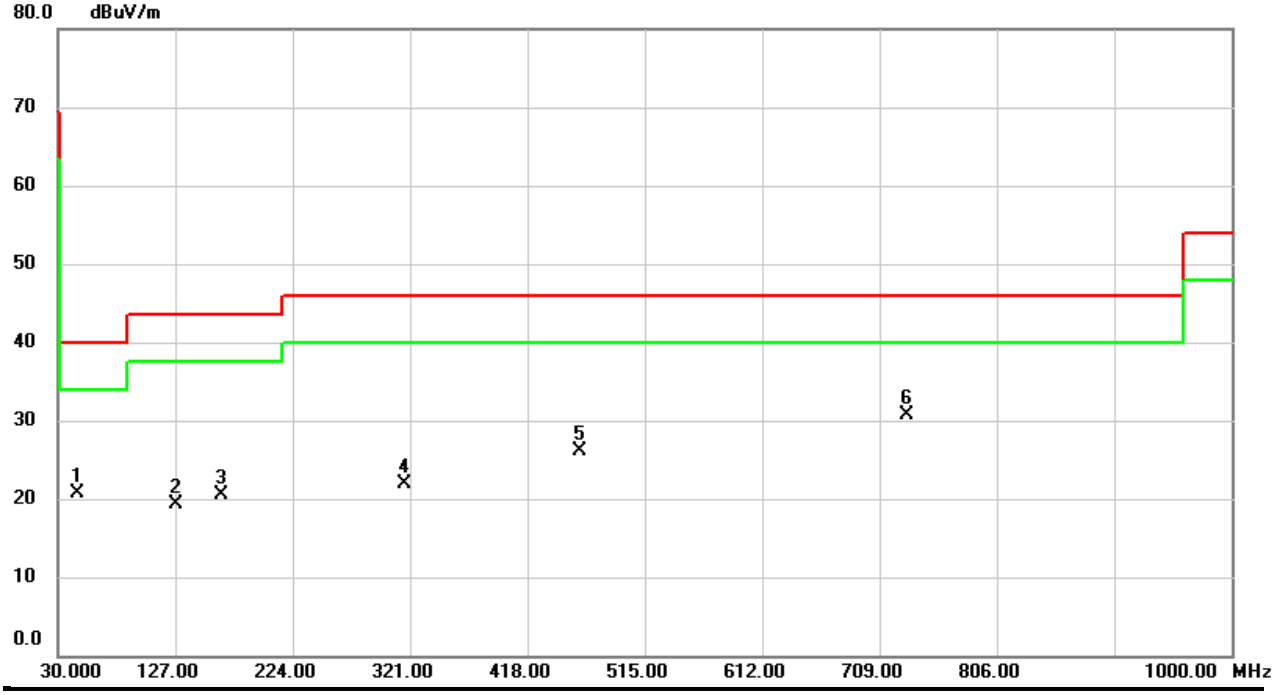
Please refer to document Appendix No.: TP-2201T123-FCCP-1 (APPENDIX-TEST PHOTOS).

EUT PHOTOS

Please refer to document Appendix No.: EP-2201T123-1 (APPENDIX-EUT PHOTOS).

APPENDIX A RADIATED EMISSIONS - 30 MHZ TO 1 GHZ

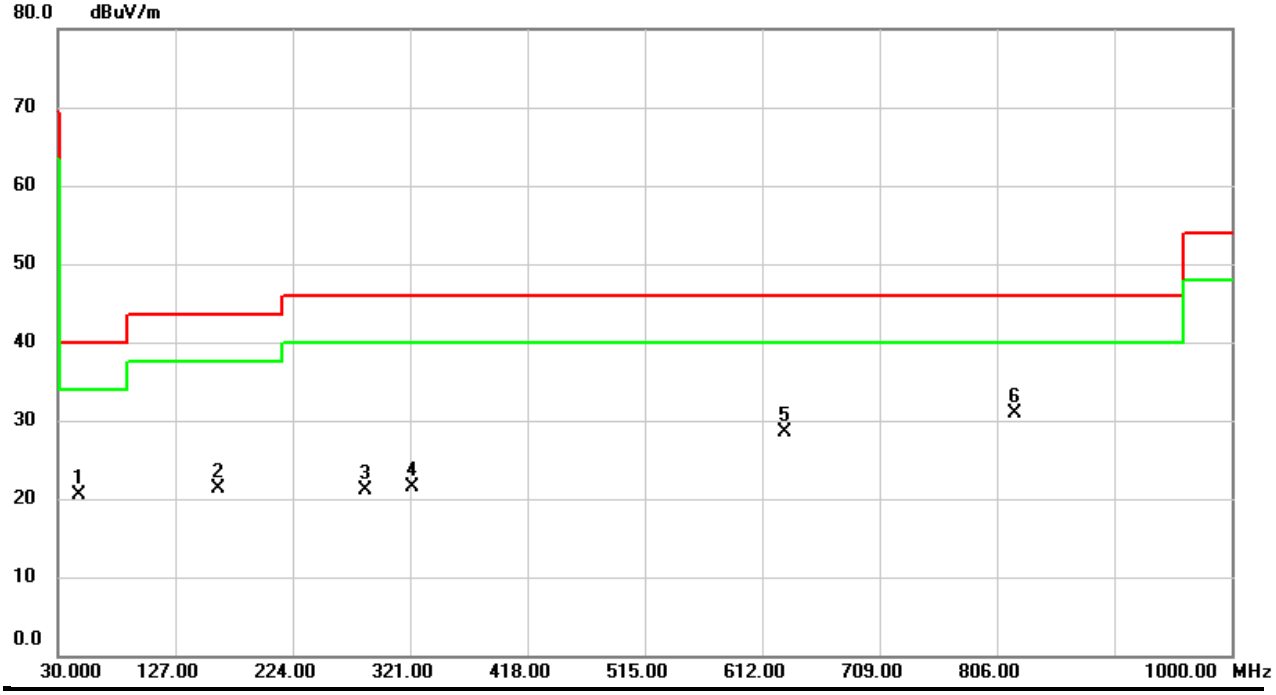
Test Mode	SRD	Test Date	2022/3/16
Test Frequency	2474MHz	Polarization	Vertical
Temp	22°C	Hum.	68%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		45.6493	29.41	-8.72	20.69	40.00	-19.31	peak	
2		128.2610	29.61	-10.26	19.35	43.50	-24.15	peak	
3		165.1857	29.75	-9.19	20.56	43.50	-22.94	peak	
4		317.0230	29.78	-7.91	21.87	46.00	-24.13	peak	
5		461.9733	30.24	-4.20	26.04	46.00	-19.96	peak	
6	*	731.8597	29.69	0.96	30.65	46.00	-15.35	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	SRD	Test Date	2022/3/16
Test Frequency	2474MHz	Polarization	Horizontal
Temp	22°C	Hum.	68%

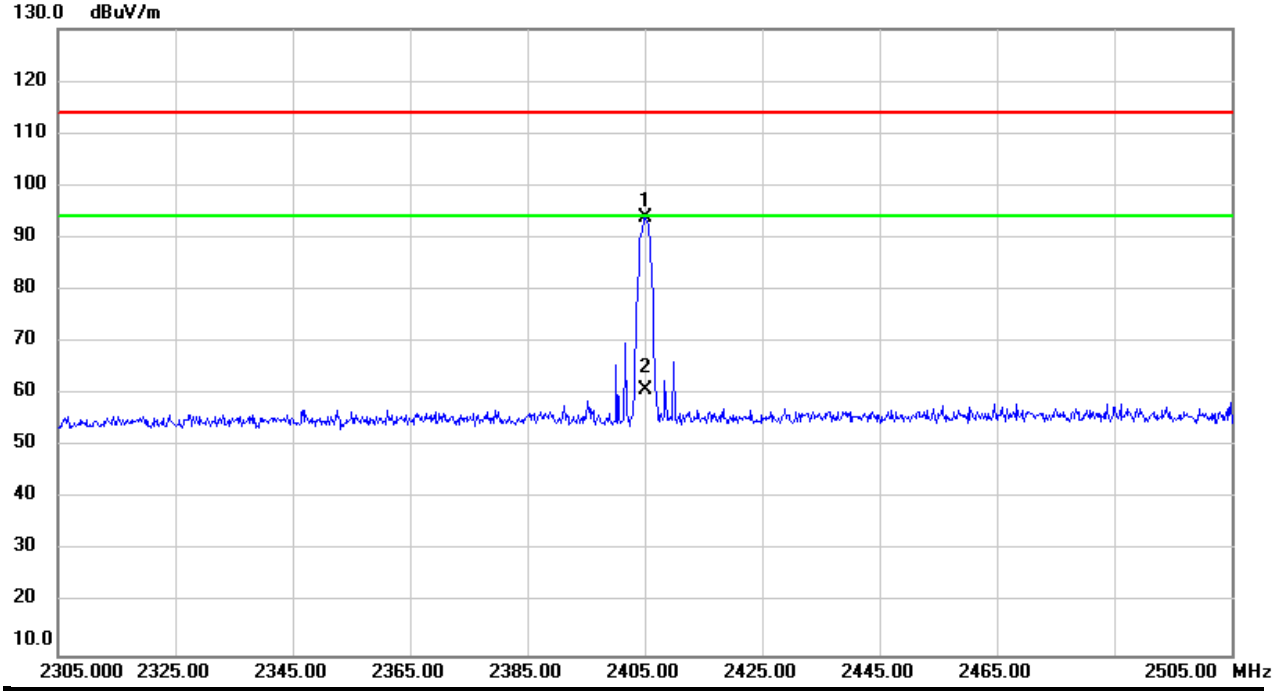


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		47.2336	29.28	-8.69	20.59	40.00	-19.41	peak	
2		162.9223	30.49	-9.10	21.39	43.50	-22.11	peak	
3		283.5256	29.69	-8.66	21.03	46.00	-24.97	peak	
4		323.5542	29.34	-7.79	21.55	46.00	-24.45	peak	
5		630.8180	29.09	-0.58	28.51	46.00	-17.49	peak	
6	*	820.8733	28.70	2.28	30.98	46.00	-15.02	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

APPENDIX B RADIATED EMISSIONS - ABOVE 1 GHZ

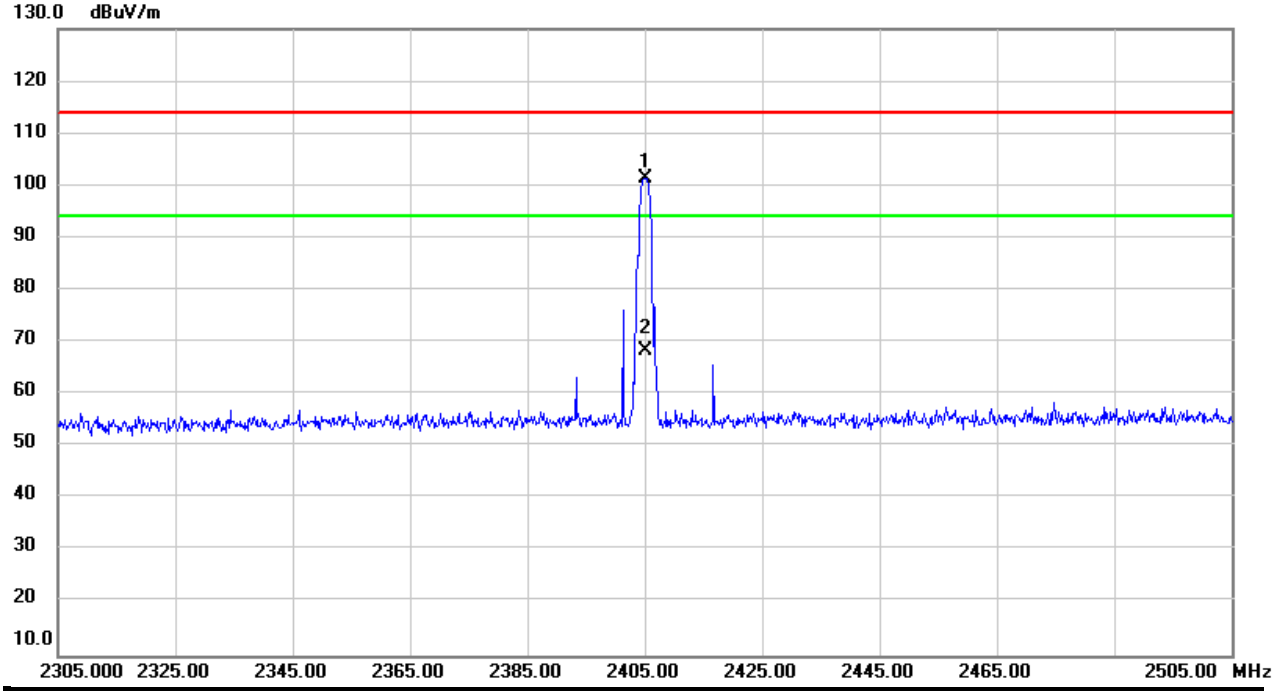
Test Mode	SRD	Test Date	2022/3/15
Test Frequency	2405MHz	Polarization	Vertical
Temp	22°C	Hum.	62%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	2405.000	62.53	31.26	93.79	114.00	-20.21	peak	
2		2405.000	93.79	-32.96	60.83	94.00	-33.17	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.
(3) Average Correct Factor = 20Log(duty cycle) = -33.43

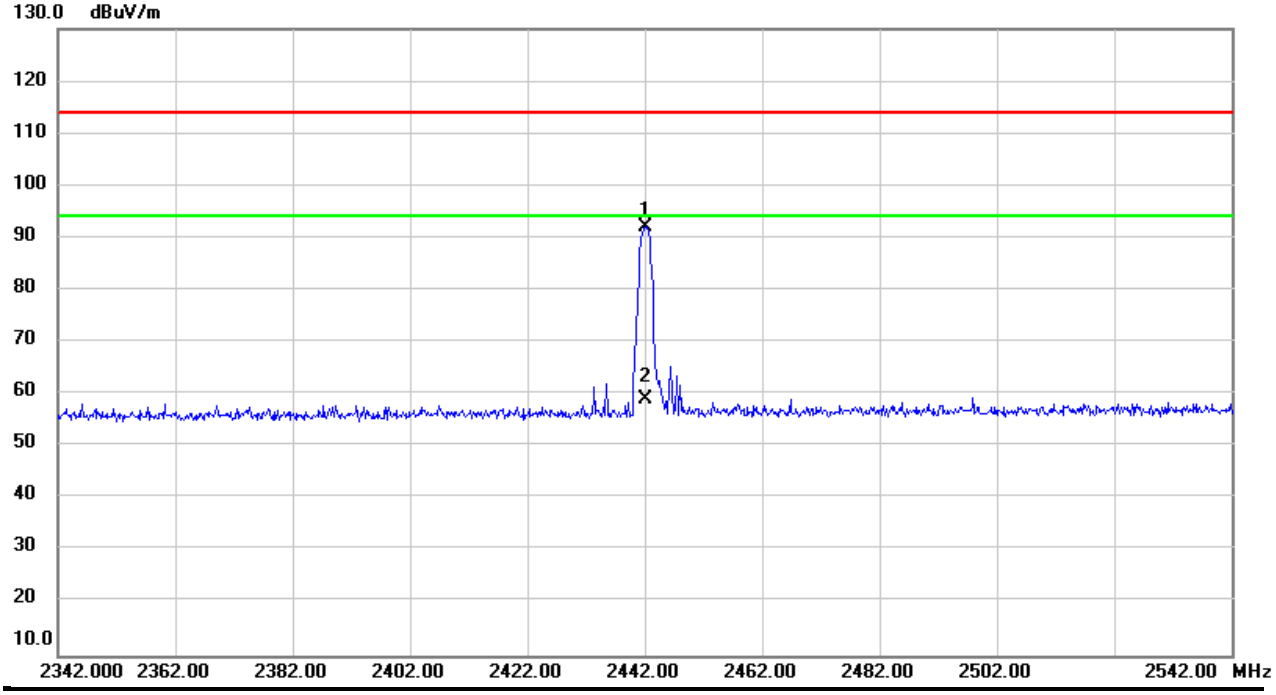
Test Mode	SRD	Test Date	2022/3/15
Test Frequency	2405MHz	Polarization	Horizontal
Temp	22°C	Hum.	62%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	2405.000	70.14	31.26	101.40	114.00	-12.60	peak	
2		2405.000	101.40	-32.96	68.44	94.00	-25.56	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.
(3) Average Correct Factor = 20Log(duty cycle) = -33.43

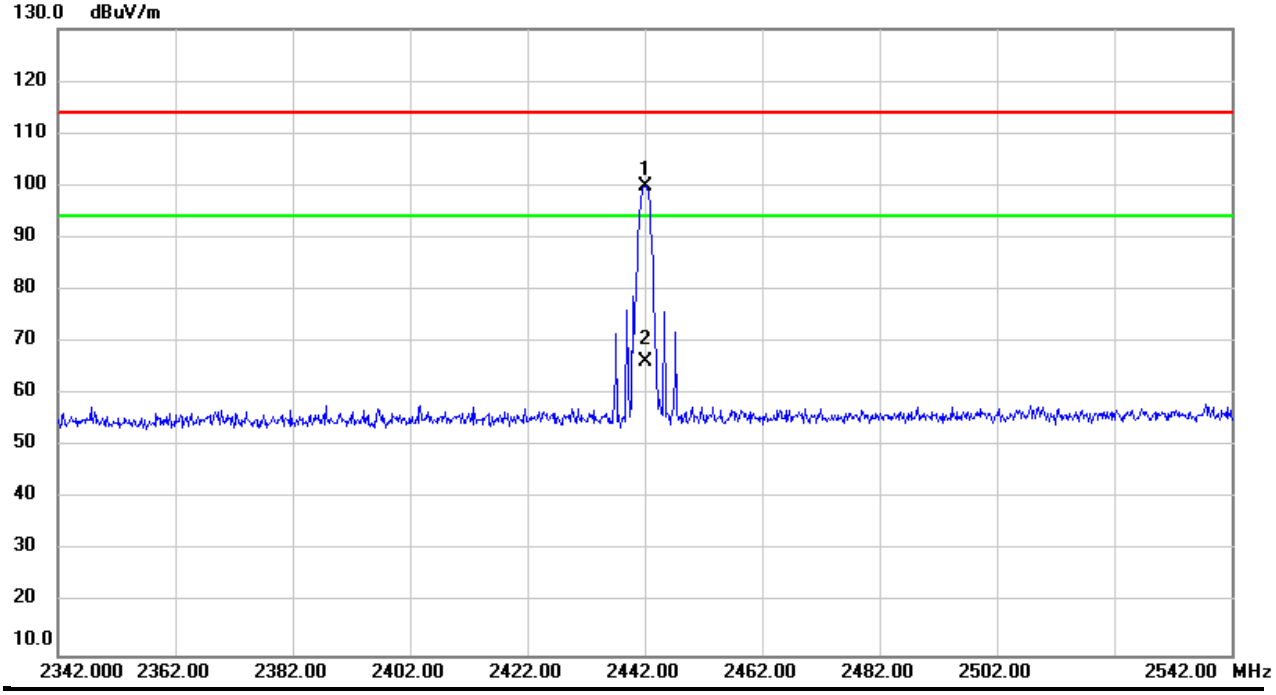
Test Mode	SRD	Test Date	2022/3/16
Test Frequency	2442MHz	Polarization	Vertical
Temp	22°C	Hum.	68%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	2442.000	60.71	31.38	92.09	114.00	-21.91	peak	
2		2442.000	92.09	-32.96	59.13	94.00	-34.87	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.
(3) Average Correct Factor = 20Log(duty cycle) = -33.43

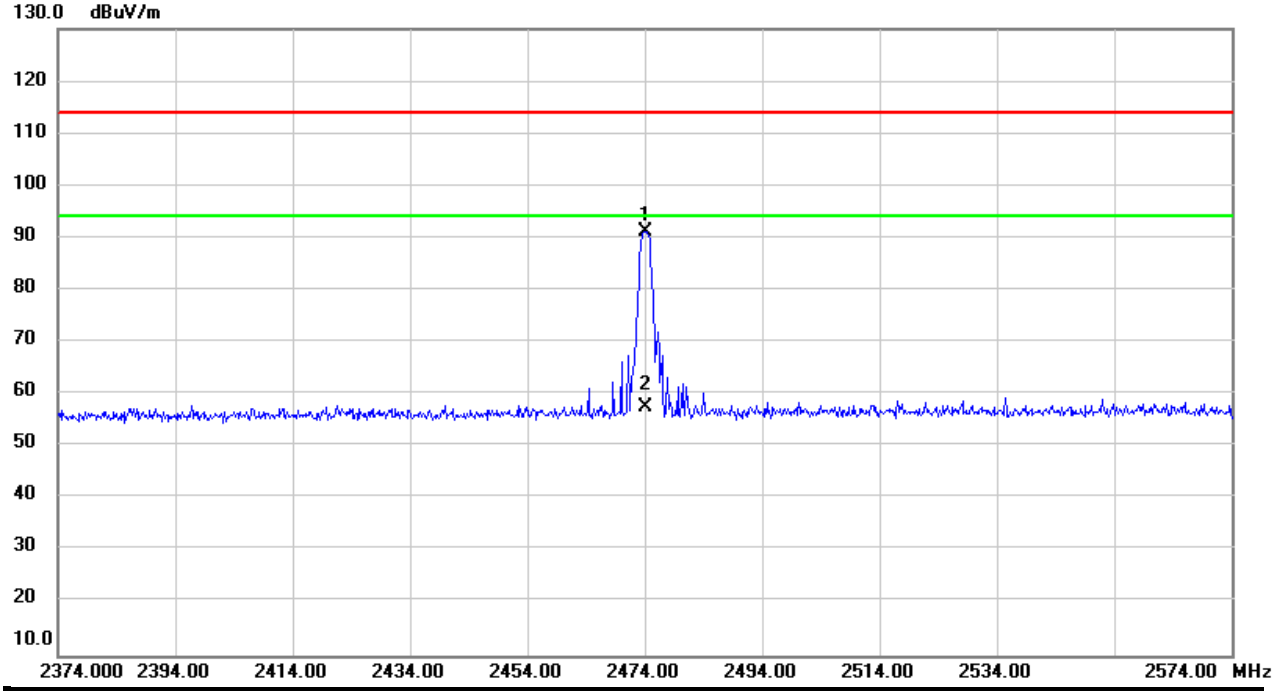
Test Mode	SRD	Test Date	2022/3/15
Test Frequency	2442MHz	Polarization	Horizontal
Temp	22°C	Hum.	62%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	2442.000	68.46	31.38	99.84	114.00	-14.16	peak	
2		2442.000	99.84	-32.96	66.88	94.00	-27.12	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.
(3) Average Correct Factor = 20Log(duty cycle) = -33.43

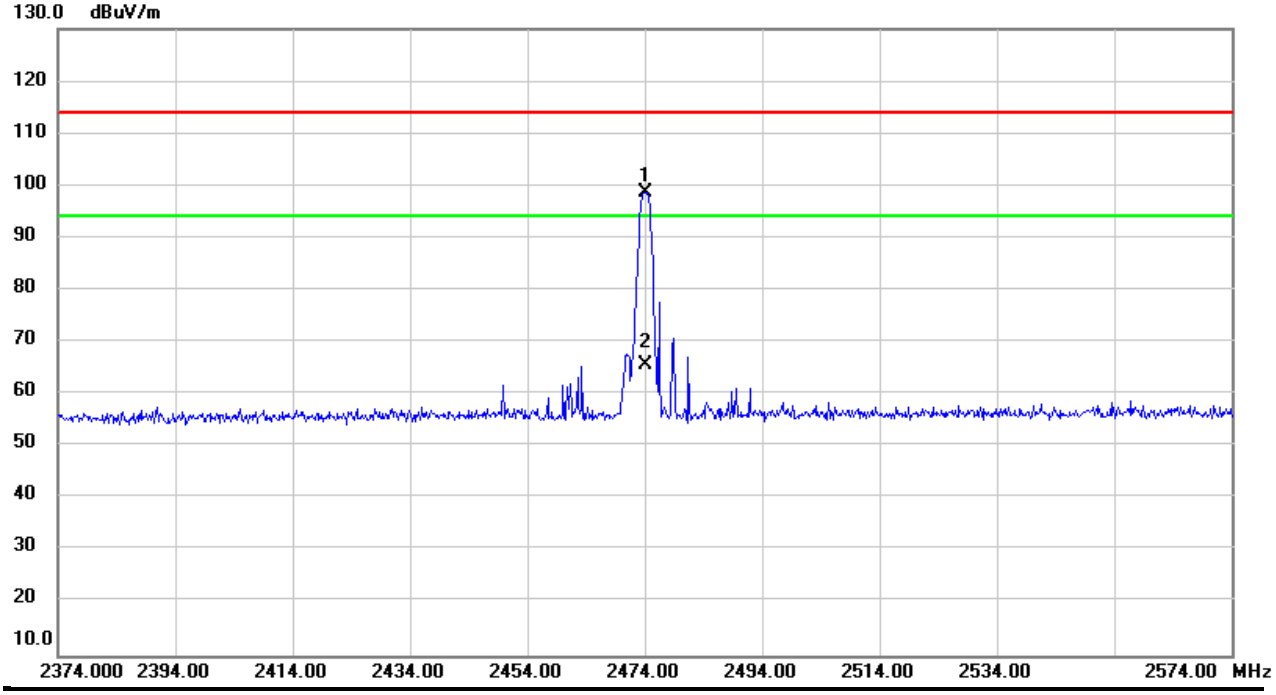
Test Mode	SRD	Test Date	2022/3/16
Test Frequency	2474MHz	Polarization	Vertical
Temp	22°C	Hum.	68%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	2474.000	59.72	31.48	91.20	114.00	-22.80	peak	
2		2474.000	90.20	-32.96	58.24	94.00	-35.76	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.
(3) Average Correct Factor = 20Log(duty cycle) = -33.43

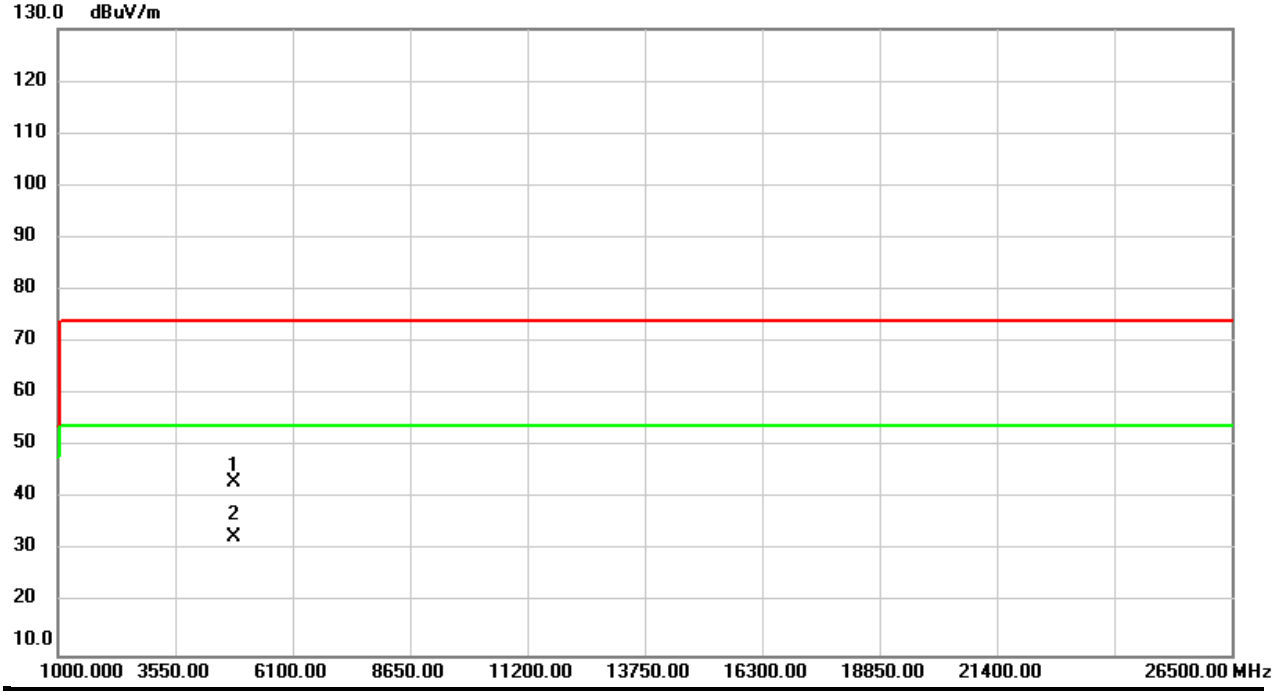
Test Mode	SRD	Test Date	2022/3/15
Test Frequency	2474MHz	Polarization	Horizontal
Temp	22°C	Hum.	62%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	2474.000	67.17	31.48	98.65	114.00	-15.35	peak	
2		2474.000	98.65	-32.96	65.69	94.00	-28.31	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.
(3) Average Correct Factor = 20Log(duty cycle) = -33.43

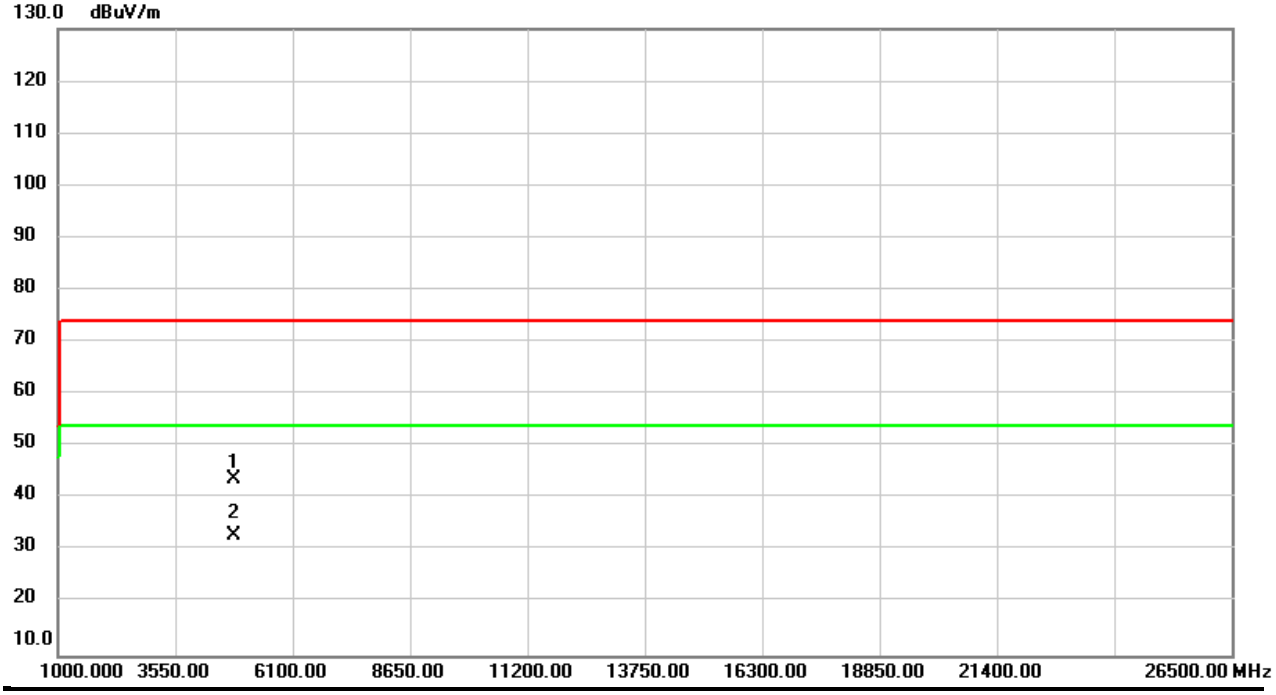
Test Mode	SRD	Test Date	2022/3/16
Test Frequency	2405MHz	Polarization	Vertical
Temp	22°C	Hum.	62%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4810.000	53.03	-9.85	43.18	74.00	-30.82	peak	
2	*	4810.000	42.47	-9.85	32.62	54.00	-21.38	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.
(3) Average Correct Factor = 20Log(duty cycle) = -33.43

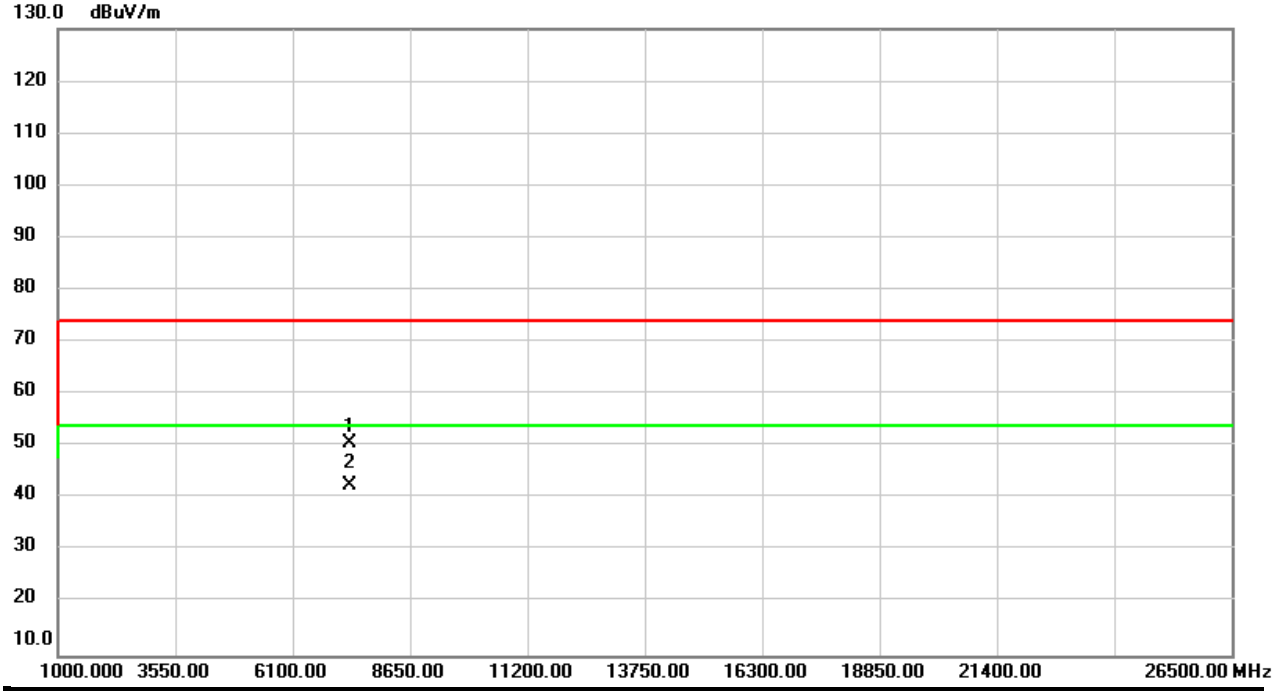
Test Mode	SRD	Test Date	2022/3/16
Test Frequency	2405MHz	Polarization	Horizontal
Temp	22°C	Hum.	62%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4810.000	53.65	-9.85	43.80	74.00	-30.20	peak	
2	*	4810.000	42.82	-9.85	32.97	54.00	-21.03	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.
(3) Average Correct Factor = 20Log(duty cycle) = -33.43

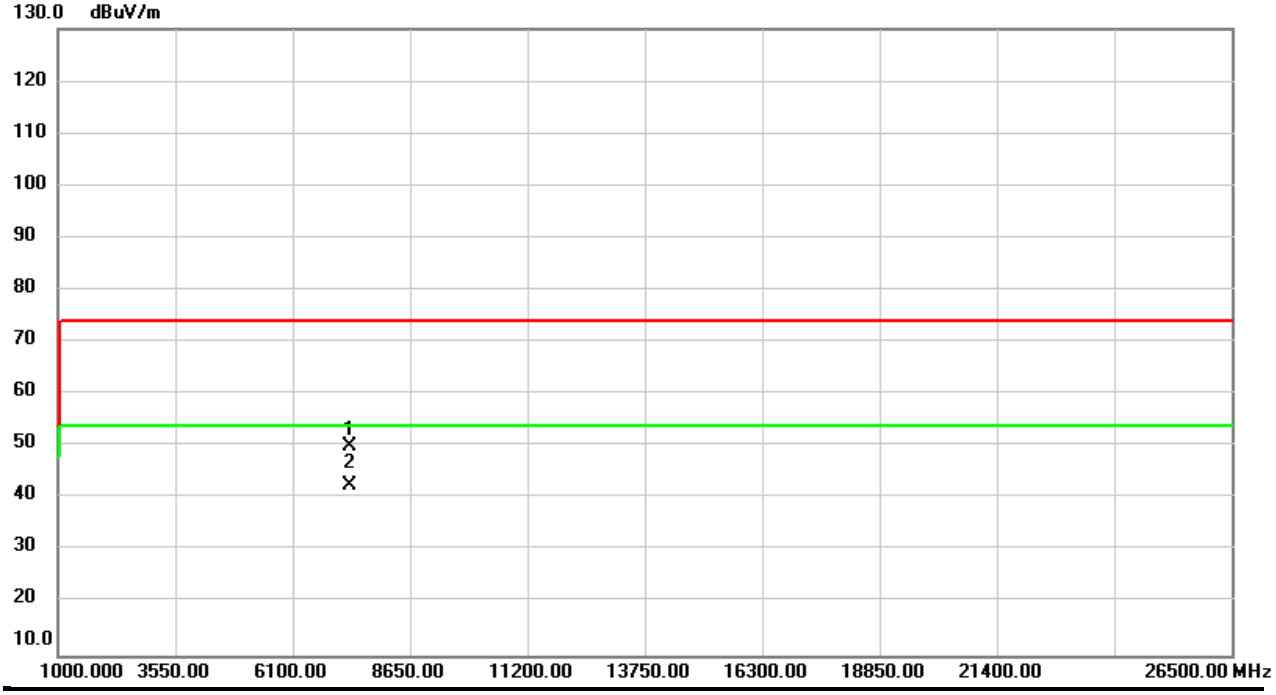
Test Mode	SRD	Test Date	2022/3/16
Test Frequency	2442MHz	Polarization	Vertical
Temp	22°C	Hum.	62%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		7326.000	53.37	-2.73	50.64	74.00	-23.36	peak	
2	*	7326.000	45.15	-2.73	42.42	54.00	-11.58	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.
(3) Average Correct Factor = 20Log(duty cycle) = -33.43

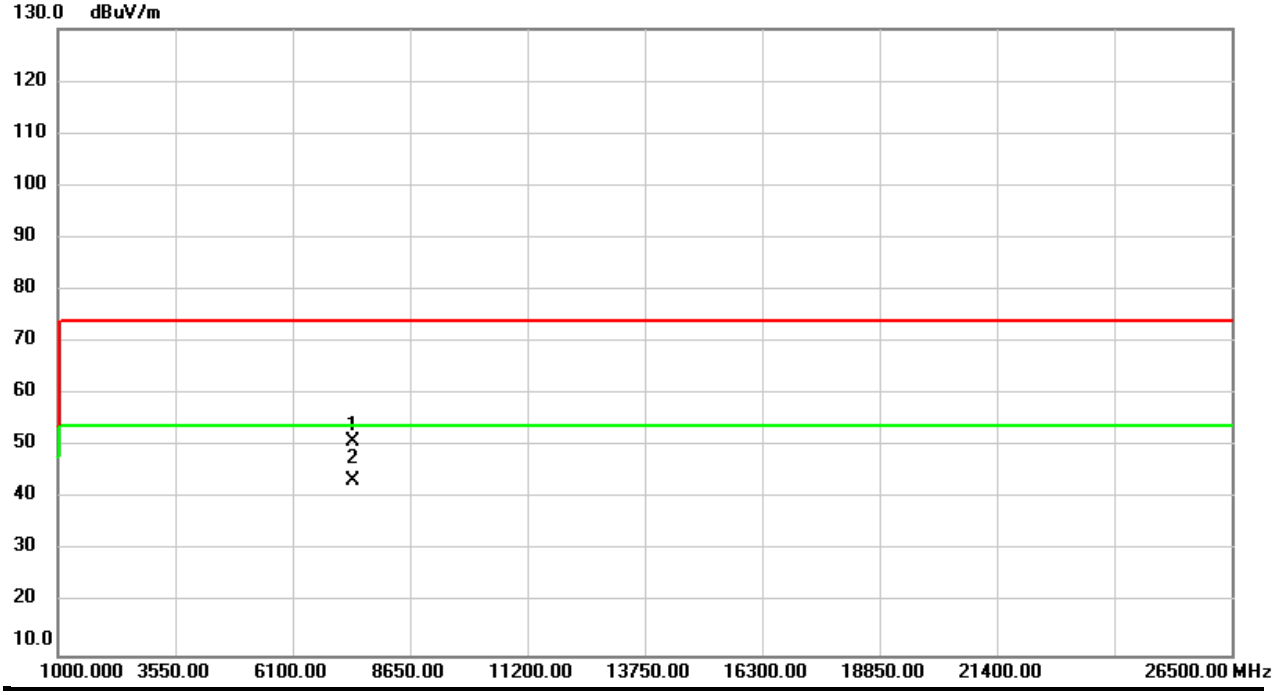
Test Mode	SRD	Test Date	2022/3/16
Test Frequency	2442MHz	Polarization	Horizontal
Temp	22°C	Hum.	62%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		7326.000	52.79	-2.73	50.06	74.00	-23.94	peak	
2	*	7326.000	45.39	-2.73	42.66	54.00	-11.34	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.
(3) Average Correct Factor = 20Log(duty cycle) = -33.43

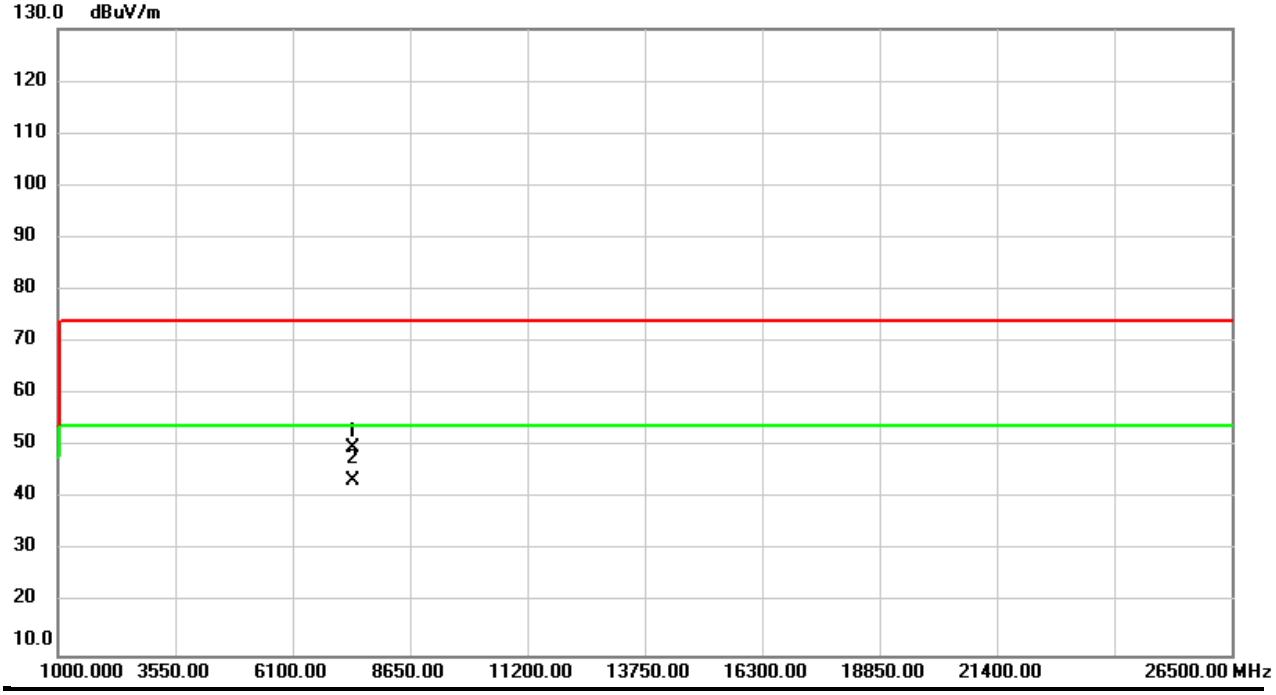
Test Mode	SRD	Test Date	2022/3/16
Test Frequency	2474MHz	Polarization	Vertical
Temp	22°C	Hum.	68%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		7422.000	53.12	-2.27	50.85	74.00	-23.15	peak	
2	*	7422.000	45.75	-2.27	43.48	54.00	-10.52	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.
(3) Average Correct Factor = 20Log(duty cycle) = -33.43

Test Mode	SRD	Test Date	2022/3/16
Test Frequency	2474MHz	Polarization	Horizontal
Temp	22°C	Hum.	68%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		7422.000	52.10	-2.27	49.83	74.00	-24.17	peak	
2	*	7422.000	45.69	-2.27	43.42	54.00	-10.58	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.
(3) Average Correct Factor = 20Log(duty cycle) = -33.43

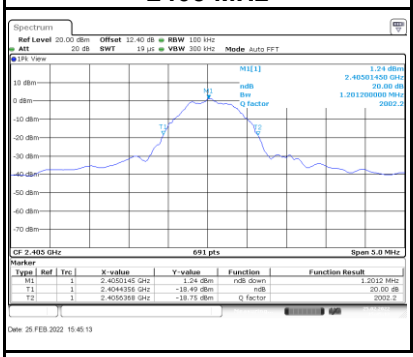
APPENDIX C BANDWIDTH

Test Mode:	SRD

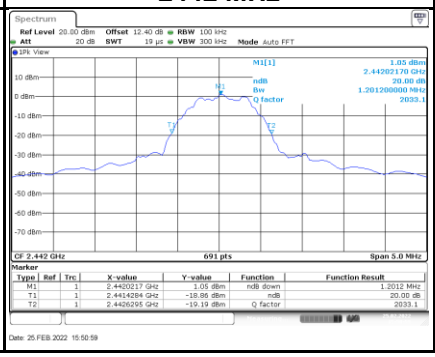
Frequency (MHz)	20dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2405	1.20	1.079	500	Pass
2442	1.20	1.064	500	Pass
2474	1.22	1.078	500	Pass

20dB Bandwidth

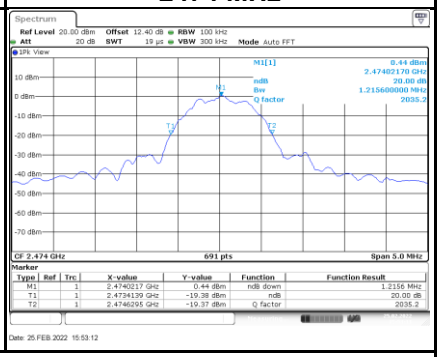
2405 MHz



2442 MHz

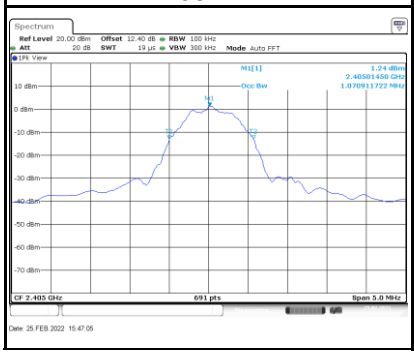


2474 MHz

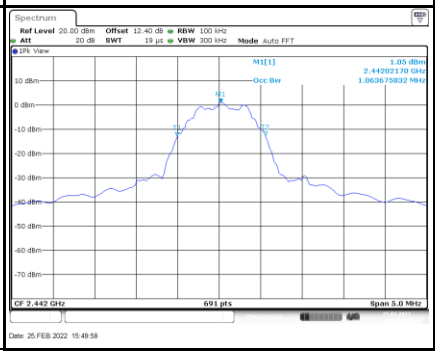


99% Occupied BW

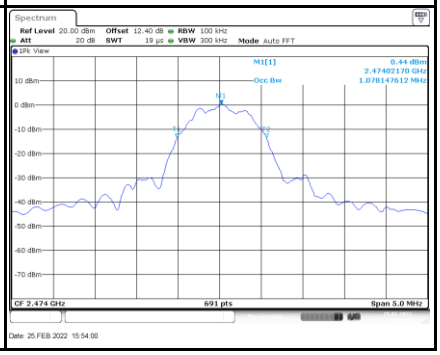
2405 MHz



2442 MHz



2474 MHz



End of Test Report