FCC Radio Test Report

FCC ID: 2AXWO-M46

Report No.	:	TBR-C-202209-0184-20
Applicant	:	Doors Korea Co.,Ltd
Equipment Under Test (EUT)		
EUT Name	:	UHF Microphone
Model No.	:	M46
Serial Model No.	:	M43-SE, M43-US, M43-CE, M43-KR, M46-SE, M46-US, M46-CE, M46-KR
Brand Name	:	Miracle,M the Sing
Sample ID	:	202209-0184-10-1# & 202209-0184-10-2#
Receipt Date	:	2022-10-14
Test Date	:	2022-10-14 to 2022-12-05
Issue Date	:	2022-12-15
Standards	:	FCC Part 15, Subpart C (15.249)
Test Method	:	ANSI C63.10: 2013
Conclusions	:	**PASS**

In the configuration tested, the EUT complied with the standards specified above,
The EUT technically complies with the FCC requirements

Test/Witness Engineer	:	Seven Wu
Engineer Supervisor	:	IVAN SU
Approved & Authorized	:	Ray Lai

This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in the report.

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Revision History

Report No.	Version	Description	Issued Date
TBR-C-202209-0184-20	Rev.01	Initial issue of report	2022-12-15

1. General Information about EUT

1.1 Client Information

Applicant	:	Doors Korea Co.,Ltd
Address	:	1F, 27, Mangu-ro 81-gil, Jungnang-gu, Seoul, South Korea
Manufacturer	:	DONGGUAN TUCHI ELECTRONIC TECHNOLOGY CO.LTD
Address	:	Room 201, 4th Building, No.1,XINWEI 1st Road, ShaJiao District, Humen, DongGuan, GD, CN

1.2 General Description of EUT (Equipment Under Test)

EUT Name	:	UHF Microphone	
Model No.	:	M46, M43-SE, M43-US, M43-CE, M43-KR, M46-SE, M46-US, M46-CE, M46-KR	
Model Difference	:	All these models are on the same PCB, the layout and circuit are the same, the only difference is the sale model is different.	
Product Description	:	Operation Frequency:	Wireless microphone: 902.1-927.9 MHz
		Number of Channel:	Please see the note (2)
		Output power:	84.93 dBuV/m@3m Peak
		Antenna Gain:	-0.96dBi Internal Antenna
		Equipment System:	Analog signal
Power Rating	:	Input: DC 5V DC 3.7V by 1200mAh Rechargeable Li-ion battery	
Software Version	:	1.0	
Hardware Version	:	V2.0	
Connecting I/O Port(S)	:	Please refer to the User's Manual	

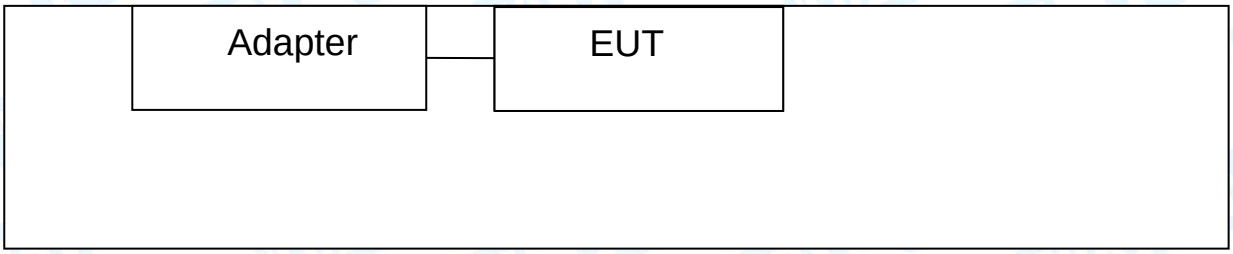
Note:

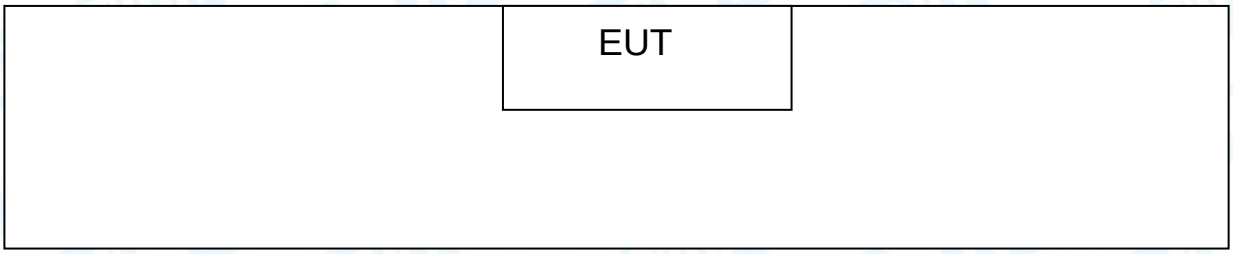
(1) For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.

(2) Channel List:

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
01	**902.1**	16	909.6	31	923.4
02	902.6	17	910.1	32	923.9
03	903.1	18	910.6	33	924.4
04	903.6	19	911.1	34	924.9
05	904.1	**20**	**911.6**	35	925.4
06	904.6	21	918.4	36	925.9
07	905.1	22	918.9	37	926.4
08	905.6	23	919.4	38	926.9
09	906.1	24	919.9	39	927.4
10	906.6	25	920.4	**40**	**927.9**
11	907.1	26	920.9		
12	907.6	27	921.4		
13	908.1	28	921.9		
14	908.6	29	922.4		
15	909.1	30	922.9		

1.3 Block Diagram Showing the Configuration of System Tested





1.4 Description of Test Mode

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned follow was evaluated respectively.

For Radiated Test	
Final Test Mode	**Description**
Mode 1	TX Mode(902.1MHz/911.6MHz/927.9MHz)

Note:

For all test, we have verified the construction and function in typical operation. And all the test modes were carried out with the EUT in transmitting operation in maximum power with all kinds of data rate.

(1) According to ANSI C63.10 standards, the measurements are performed at the highest, middle, lowest available channels.

(2) During the testing procedure, the continuously transmitting with the maximum power mode was programmed by the customer.

(3) The EUT is considered a portable unit; it was pre-tested on the positioned of each 3 axis, X-plane, Y-plane and Z-plane. The worst case was found positioned on X-plane. Therefore only the test data of this X-plane was used for radiated emission measurement test.

1.5 Description of Test Software Setting

During testing channel & Power controlling software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product power parameters of RF mode.

Test Software Version	**Adjust and control the corresponding transmission frequency through the EUT entity key.**		
wireless microphone	902.1 MHz	911.6MHz	927.9MHz
FSK	DEF	DEF	DEF

1.6 Measurement Uncertainty

The reported uncertainty of measurement y ± U，where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of k=2，providing a level of confidence of approximately 95 %.

Test Item	Parameters	Expanded Uncertainty (U_{Lab})
Conducted Emission	Level Accuracy: 9kHz~150kHz 150kHz to 30MHz	±3.50 dB ±3.10 dB
Radiated Emission	Level Accuracy: 9kHz to 30 MHz	±4.60 dB
Radiated Emission	Level Accuracy: 30MHz to 1000 MHz	±4.50 dB
Radiated Emission	Level Accuracy: Above 1000MHz	±4.20 dB

1.7 Test Facility

The testing report were performed by the Shenzhen Toby Technology Co., Ltd., in their facilities located at 1/F.,Building 6, Rundongsheng Industrial Zone, Longzhu, Xixiang, Bao'an District, Shenzhen, Guangdong, China. At the time of testing, the following bodies accredited the Laboratory:

CNAS (L5813)

The Laboratory has been accredited by CNAS to ISO/IEC 17025: 2017 General Requirements for the Competence of Testing and Calibration Laboratories for the competence in the field of testing. And the Registration No.: CNAS L5813.

A2LA Certificate No.: 4750.01

The laboratory has been accredited by American Association for Laboratory Accreditation(A2LA) to ISO/IEC 17025：2017 General Requirements for the Competence of Testing and Calibration Laboratories for the technical competence in the field of Electrical Testing. And the A2LA Certificate No.: 4750.01. FCC Accredited Test Site Number: 854351. Designation Number: CN1223.

IC Registration No.: (11950A)

The Laboratory has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing. The site registration: Site# 11950A.

2. Test Summary

FCC Part 15 Subpart C(15.249)			
Standard Section	**Test Item**	**Judgment**	**Remark**
15.203	Antenna Requirement	PASS	N/A
15.205	Restricted Bands	PASS	N/A
15.207	AC Power Conducted Emission	PASS	N/A
15.249 &15.209	Radiated Spurious Emission	PASS	N/A
15.215(C)	20dB Bandwidth	PASS	N/A
Note: N/A is an abbreviation for Not Applicable.			

3. Test Equipment

Conducted Emission Test					
Equipment	**Manufacturer**	**Model No.**	**Serial No.**	**Last Cal.**	**Cal. Due Date**
EMI Test Receiver	Rohde & Schwarz	ESCI	100321	Jun. 23, 2022	Jun. 22, 2023
RF Switching Unit	Compliance Direction Systems Inc	RSU-A4	34403	Jun. 23, 2022	Jun. 22, 2023
AMN	SCHWARZBECK	NNBL 8226-2	8226-2/164	Jun. 22, 2022	Jun. 21, 2023
LISN	Rohde & Schwarz	ENV216	101131	Jun. 22, 2022	Jun. 21, 2023
Radiation Emission Test					
Equipment	**Manufacturer**	**Model No.**	**Serial No.**	**Last Cal.**	**Cal. Due Date**
Spectrum Analyzer	Rohde & Schwarz	FSV40-N	102197	Jun. 23, 2022	Jun. 22, 2023
MXA Signal Analyzer	Agilent	N9020A	MY47380425	Sep. 01, 2022	Aug. 31, 2023
EMI Test Receiver	Rohde & Schwarz	ESPI	100010/007	Jun. 23, 2022	Jun. 22, 2023
EMI Test Receiver	Rohde & Schwarz	ESU-8	100472	Feb. 26, 2022	Feb.25, 2023
Bilog Antenna	ETS-LINDGREN	3142E	00117537	Feb. 27, 2022	Feb. 26, 2024
Bilog Antenna	SCHWARZBECK	VULB 9168	1225	Dec. 05, 2021	Dec. 04, 2023
Horn Antenna	ETS-LINDGREN	3117	00143207	Feb. 26, 2022	Feb. 25, 2024
Horn Antenna	SCHWARZBECK	BBHA 9120 D	2463	May 20, 2021	May 19, 2023
Horn Antenna	SCHWARZBECK	BBHA 9170	1118	Feb. 26, 2022	Feb. 25, 2024
Loop Antenna	SCHWARZBECK	FMZB 1519 B	1519B-059	Jun. 26, 2022	Jun.25, 2024
Pre-amplifier	SONOMA	310N	185903	Feb. 26, 2022	Feb. 25, 2023
Pre-amplifier	HP	8449B	3008A00849	Feb. 26, 2022	Feb.25, 2023
HF Amplifier	Tonscend	TAP9E6343	AP21C806117	Sep. 01, 2022	Aug. 31, 2023
HF Amplifier	Tonscend	TAP051845	AP21C806141	Sep. 01, 2022	Aug. 31, 2023
HF Amplifier	Tonscend	TAP0184050	AP21C806129	Sep. 01, 2022	Aug. 31, 2023
Antenna Conducted Emission					
Equipment	**Manufacturer**	**Model No.**	**Serial No.**	**Last Cal.**	**Cal. Due Date**
Spectrum Analyzer	Agilent	E4407B	MY45106456	Jun. 23, 2022	Jun. 22, 2023
Spectrum Analyzer	Rohde & Schwarz	FSV40-N	102197	Jun. 23, 2022	Jun. 22, 2023
MXA Signal Analyzer	Agilent	N9020A	MY49100060	Sep. 01, 2022	Aug. 31, 2023
Spectrum Analyzer	KEYSIGT	N9020B	MY60110172	Sep. 01, 2022	Aug. 31, 2023
RF Power Sensor	DARE!! Instruments	RadiPowerRPR3006W	17I00015SNO26	Sep. 01, 2022	Aug. 31, 2023
	DARE!! Instruments	RadiPowerRPR3006W	17I00015SNO29	Sep. 01, 2022	Aug. 31, 2023

	DARE!! Instruments	RadiPowerRPR3006W	17I00015SNO31	Sep. 01, 2022	Aug. 31, 2023
	DARE!! Instruments	RadiPowerRPR3006W	17I00015SNO33	Sep. 01, 2022	Aug. 31, 2023
RF Control Unit	Tonsced	JS0806-2	21F8060439	Sep. 01, 2022	Aug. 31, 2023

4. Conducted Emission Test

4.1 Test Standard and Limit

4.1.1Test Standard

FCC Part 15.207

4.1.2 Test Limit

Conducted Emission Test Limit

Frequency	Maximum RF Line Voltage (dBμV)	
	Quasi-peak Level	Average Level
150kHz~500kHz	66 ~ 56 *	56 ~ 46 *
500kHz~5MHz	56	46
5MHz~30MHz	60	50

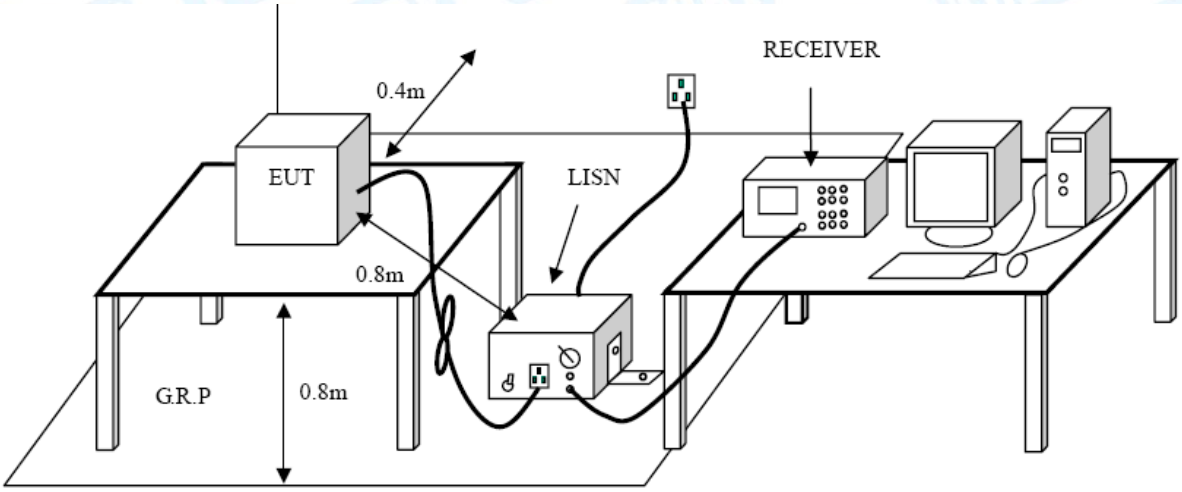
Notes:

(1) *Decreasing linearly with logarithm of the frequency.

(2) The lower limit shall apply at the transition frequencies.

(3) The limit decrease in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

4.2 Test Setup



4.3 Test Procedure

The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.

Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.

I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.

LISN is at least 80 cm from nearest part of EUT chassis.

The bandwidth of EMI test receiver is set at 9kHz, and the test frequency band is from 0.15MHz to 30MHz.

4.4 EUT Operating Mode

Please refer to the description of test mode.

4.5 Test Data

Please refer to the Attachment A.

5. Radiated Emission Test

5.1 Test Standard and Limit

5.1.1 Test Standard

FCC Part 15.209

5.1.2 Test Limit

Radiated Emission Limit (9kHz~1000MHz)

Frequency (MHz	Field Strength (microvolt/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
Above 960	500	3

Radiated Emission Limit (Above 1000MHz)

Frequency (MHz)	(dBuV/m)(at 3 M)	
	Peak	Average
Above 1000	74	54

Note:

(1) The tighter limit applies at the band edges.

(2) Emission Level(dBuV/m)=20log Emission Level(Uv/m)

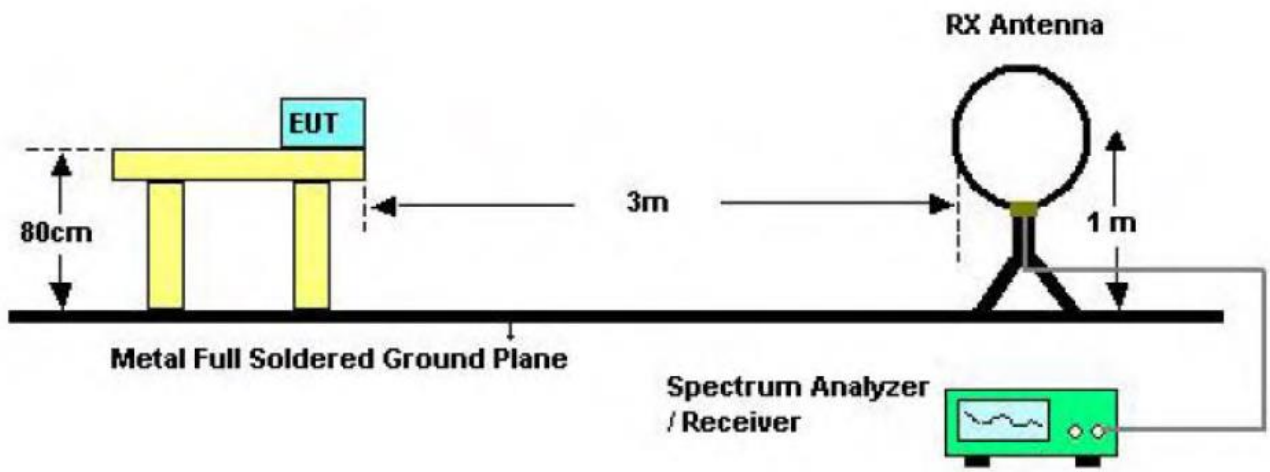
Limits of radiated emission measurement (15.249)

FCC Part 15 (15.249), Subpart C	
Limit	**Frequency Range (MHz)**
Field strength of fundamental 50000 μV/m (94 dBμV/m) @ 3 m	902.1~927.9
Field strength of harmonics 500 μV/m (54 dBμV/m) @ 3 m	Below 902.1 and Above 927.9

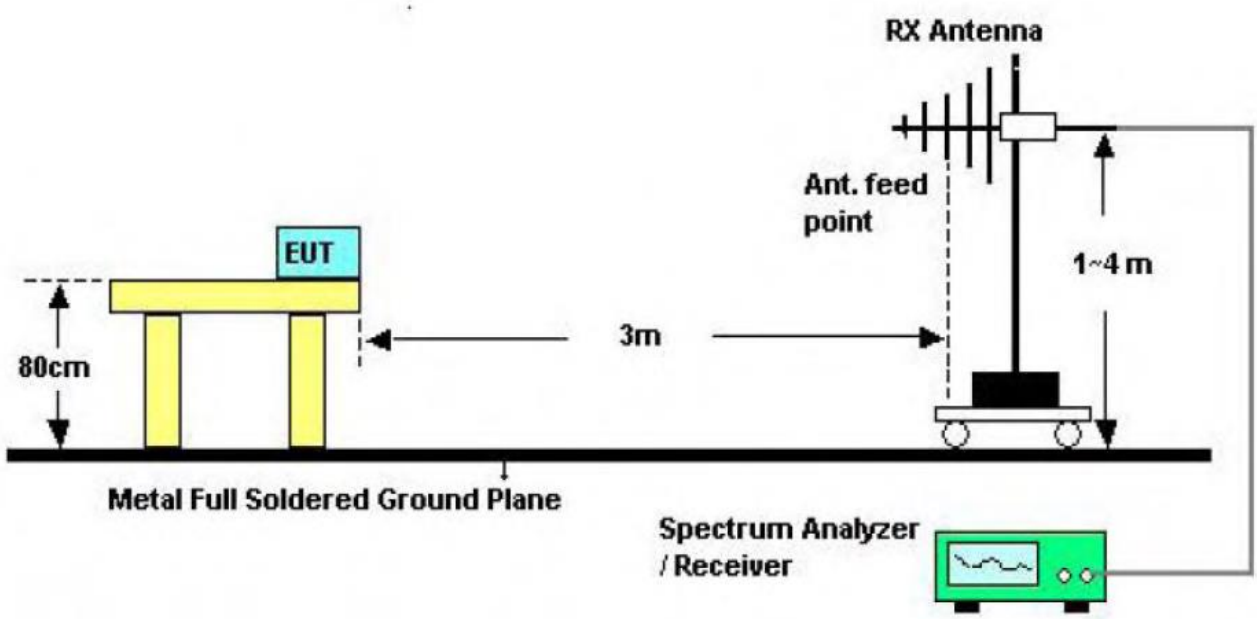
Restricted bands requirement for equipment operating in 5725MHz to 5875 MHz (15.249)

Restricted Frequency Band (MHz)	(dBuV/m)(at 3 M)
5725~5875	Attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in 15.209, whichever is the lesser attenuation

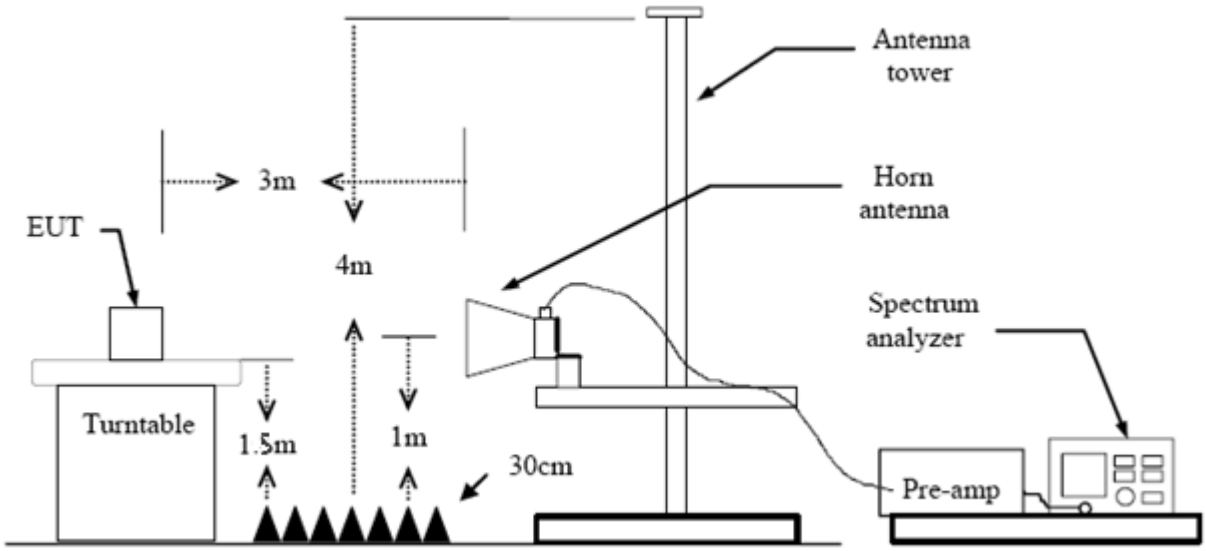
5.2 Test Setup



Bellow 30MHz Test Setup



Below 1000MHz Test Setup



Above 1GHz Test Setup

5.3 Test Procedure

(1) The measuring distance of 3m shall be used for measurements at frequency up to 1GHz and above 1 GHz. The EUT was placed on a rotating 0.8m high above ground, the table was rotated 360 degrees to determine the position of the highest radiation.

(2) Measurements at frequency above 1GHz. The EUT was placed on a rotating 1.5m high above the ground. RF absorbers covered the ground plane with a minimum area of 3.0m by 3.0m between the EUT and measurement receiver antenna. The RF absorber shall not exceed 30cm in high above the conducting floor. The table was rotated 360 degrees to

determine the position of the highest radiation.

(3) The Test antenna shall vary between 1m and 4m, Both Horizontal and Vertical antenna are set to make measurement.

(4) The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.

(5) If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit Bellow 1 GHz, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed. But the Peak Value and average value both need to comply with applicable limit above 1 GHz.

(6) Testing frequency range below 1GHz the measuring instrument use VBW=120 kHz with Quasi-peak detection.

(7) Testing frequency range above 1GHz the measuring instrument use RBW=1 MHz and VBW=3 MHz with Peak Detector for Peak Values, and use RBW=1 MHz and VBW=10 Hz with Peak Detector for Average Values.

(8) For the actual test configuration, please see the test setup photo.

5.4 EUT Operating Condition

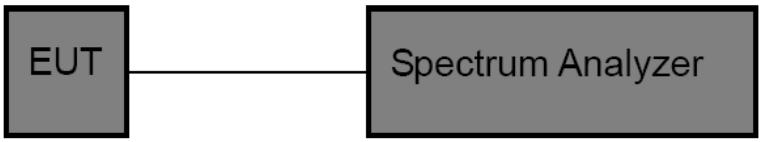
The EUT was set to Continual Transmitting in maximum power, and new batteries are used during testing.

5.5 Test Data

Please refer to the Attachment B.

6. Bandwidth Test

6.1 Test Setup



6.2 Test Procedure

(1) The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram above.

(2) Spectrum Setting:

Bandwidth: RBW=10 kHz, VBW=30kHz.

(3) The bandwidth is measured at an amplitude level reduced 20dB from the reference level. The reference level is the level of the highest amplitude signal observed from the transmitter at the fundamental frequency. Once the reference level is established, the equipment is conditioned with typical modulating signal to produce the worst –case (i.e the widest) bandwidth.

6.3 EUT Operating Condition

The EUT was set to continuously transmitting for the Bandwidth Test.

6.4 Test Data

Please refer to the Attachment C.

7. Antenna Requirement

7.1 Standard Requirement

7.1.1 Standard

FCC Part 15.203

7.1.2 Requirement

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.

7.2 Antenna Connected Construction

The gains of the antenna used for transmitting is -0.96 dBi, and the antenna de-signed with permanent attachment and no consideration of replacement. Please see the EUT photo for details.

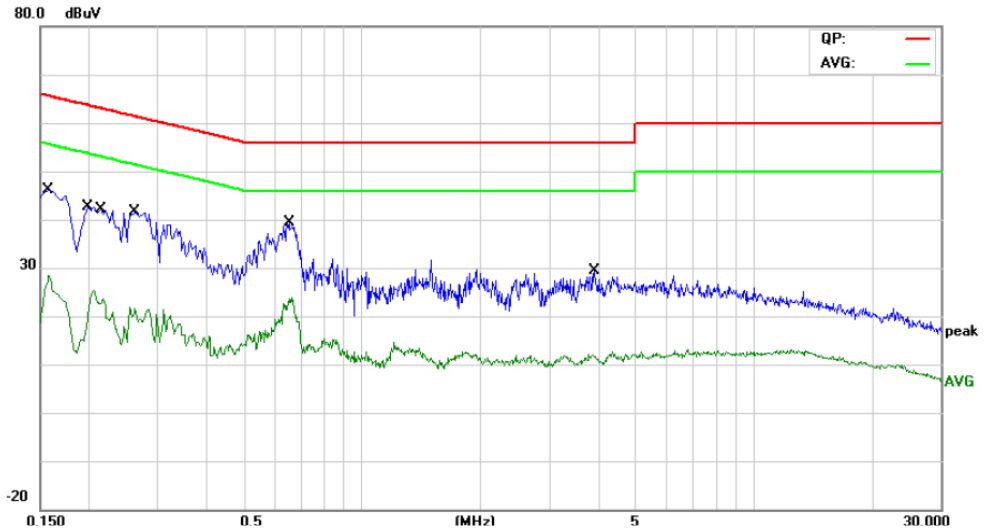
7.3 Result

The EUT antenna is a Internal Antenna. It complies with the standard requirement.

Antenna Type
☒Permanent attached antenna
☐Unique connector antenna
☐Professional installation antenna

Attachment A-- Conducted Emission Test Data

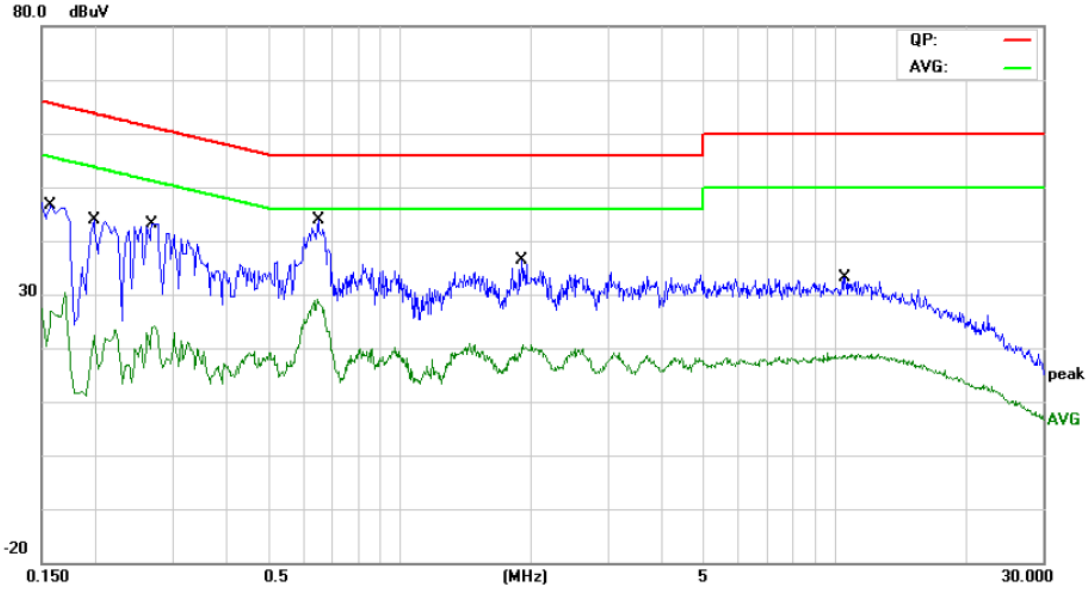
Temperature:	24.3℃	**Relative Humidity:**	58%
Test Voltage:	AC 120V/60Hz		
Terminal:	Line		
Test Mode:	Mode 1		
Remark:	Only worse case is reported.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1		0.1580	31.20	11.09	42.29	65.56	-23.27	QP
2		0.1580	12.43	11.09	23.52	55.56	-32.04	AVG
3		0.1980	26.46	11.01	37.47	63.69	-26.22	QP
4		0.1980	5.27	11.01	16.28	53.69	-37.41	AVG
5		0.2140	27.14	10.97	38.11	63.04	-24.93	QP
6		0.2140	8.96	10.97	19.93	53.04	-33.11	AVG
7		0.2620	24.92	10.91	35.83	61.36	-25.53	QP
8		0.2620	6.55	10.91	17.46	51.36	-33.90	AVG
9	*	0.6500	23.93	10.90	34.83	56.00	-21.17	QP
10		0.6500	11.74	10.90	22.64	46.00	-23.36	AVG
11		3.9180	7.88	10.10	17.98	56.00	-38.02	QP
12		3.9180	0.19	10.10	10.29	46.00	-35.71	AVG

Remark:
1. Corr. Factor (dB) = LISN Factor (dB) + Cable Loss (dB)
2. Margin (dB) =QuasiPeak/Average (dBuV)-Limit (dBuV)

Temperature:	24.3℃	**Relative Humidity:**	58%
Test Voltage:	AC 120V/60Hz		
Terminal:	Neutral		
Test Mode:	Mode 1		
Remark:	Only worse case is reported.		



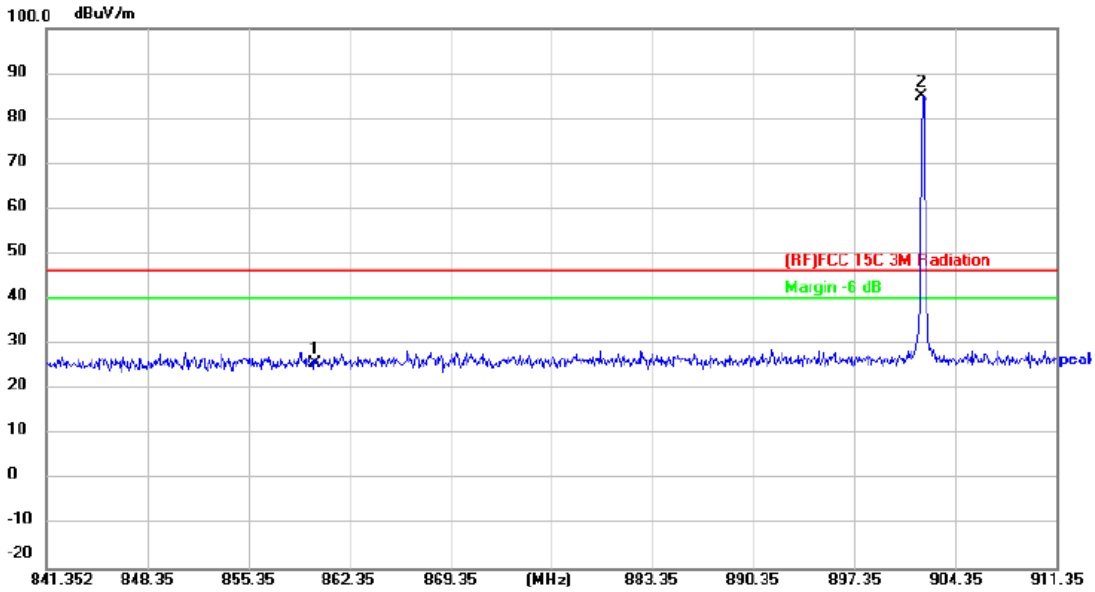
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1		0.1580	31.73	11.00	42.73	65.56	-22.83	QP
2		0.1580	13.08	11.00	24.08	55.56	-31.48	AVG
3		0.1980	27.21	11.12	38.33	63.69	-25.36	QP
4		0.1980	5.68	11.12	16.80	53.69	-36.89	AVG
5		0.2700	26.72	11.01	37.73	61.12	-23.39	QP
6		0.2700	9.16	11.01	20.17	51.12	-30.95	AVG
7	*	0.6500	28.11	10.88	38.99	56.00	-17.01	QP
8		0.6500	17.32	10.88	28.20	46.00	-17.80	AVG
9		1.9020	16.58	10.56	27.14	56.00	-28.86	QP
10		1.9020	7.96	10.56	18.52	46.00	-27.48	AVG
11		10.5500	14.03	10.20	24.23	60.00	-35.77	QP
12		10.5500	6.82	10.20	17.02	50.00	-32.98	AVG

Remark:
1. Corr. Factor (dB) = LISN Factor (dB) + Cable Loss (dB)
2. Margin (dB) =QuasiPeak/Average (dBuV)-Limit (dBuV)

Attachment B-- Radiated Emission Test Data

Field Strength of the Fundamental

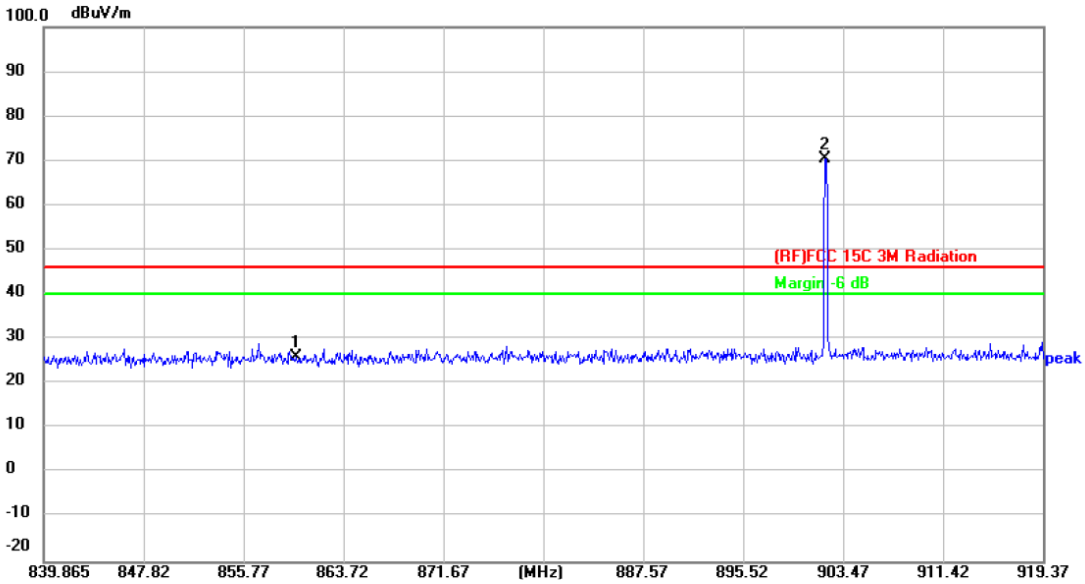
Temperature:	22.6℃	**Relative Humidity:**	42%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX 902.1MHz		
Remark:			



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	860.0000	34.73	-8.96	25.77	46.00	-20.23	peak
2 *	902.0340	93.40	-8.52	84.88	**94.00**	**-9.12**	peak

Emission Level= Read Level+ Correct Factor

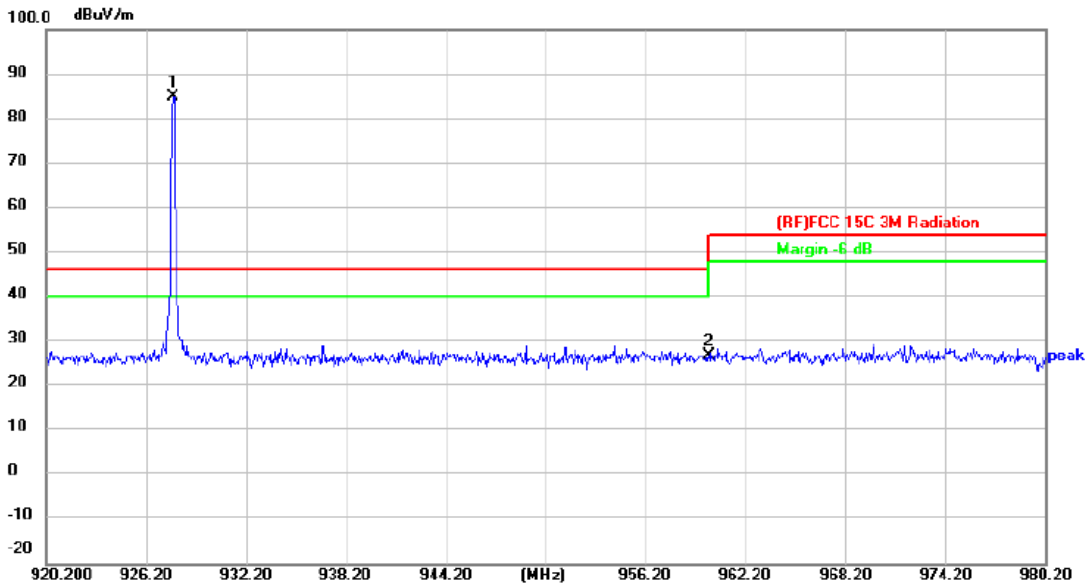
Temperature:	22.6℃	**Relative Humidity:**	42%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 902.1MHz		
Remark:			



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	860.0000	34.97	-8.96	26.01	46.00	-19.99	peak
2 *	902.0340	79.00	-8.52	70.48	**94.00**	**-23.52**	peak

Emission Level= Read Level+ Correct Factor

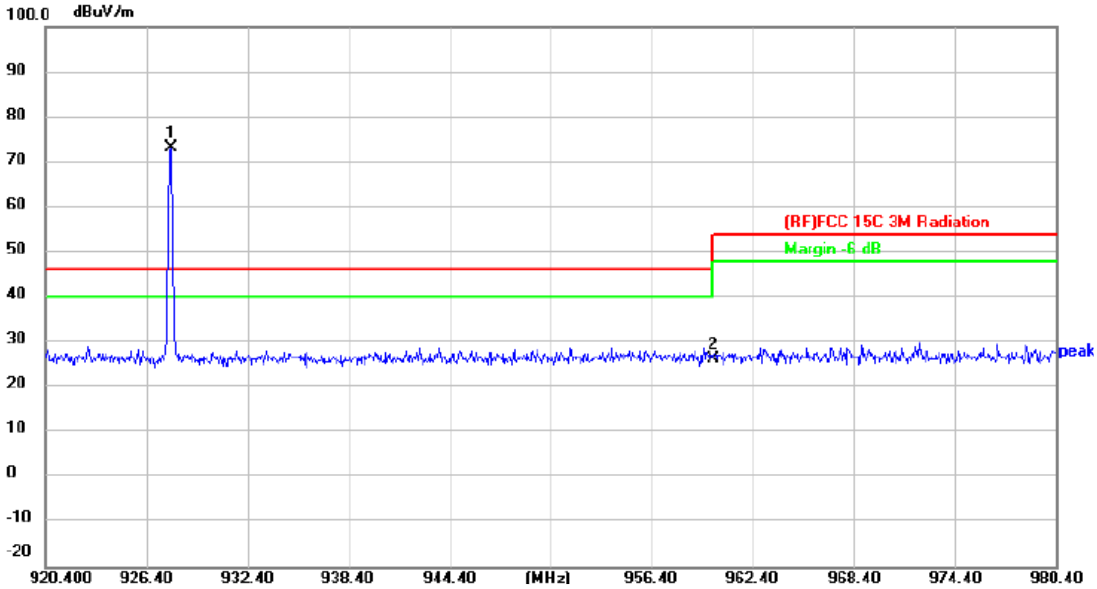
Temperature:	22.6℃	**Relative Humidity:**	42%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX 927.9MHz		
Remark:			



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	927.8200	93.07	-8.14	84.93	94.00	-9.07	peak
2	960.0000	35.02	-7.96	27.06	46.00	-18.94	peak

Emission Level= Read Level+ Correct Factor

Temperature:	22.6℃	**Relative Humidity:**	42%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 927.9MHz		
Remark:			



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	927.8400	81.29	-8.14	73.15	94.00	-20.85	peak
2	960.0000	34.46	-7.96	26.50	46.00	-19.50	peak

Emission Level= Read Level+ Correct Factor

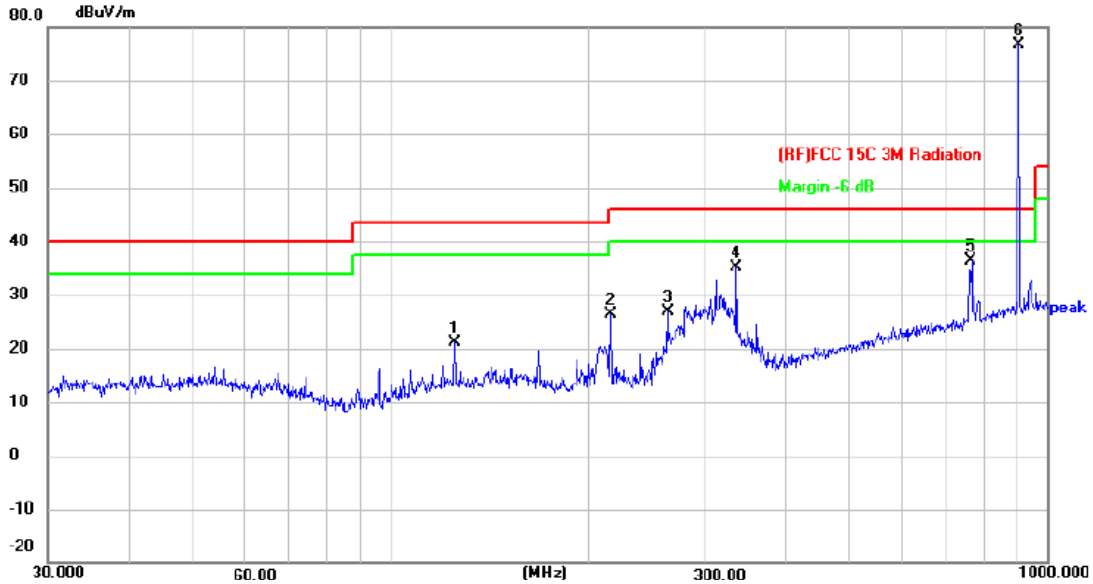
9 KHz to 30 MHz

From 9 KHz to 30 MHz: Conclusion: PASS

Note: The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

30MHz-1GHz

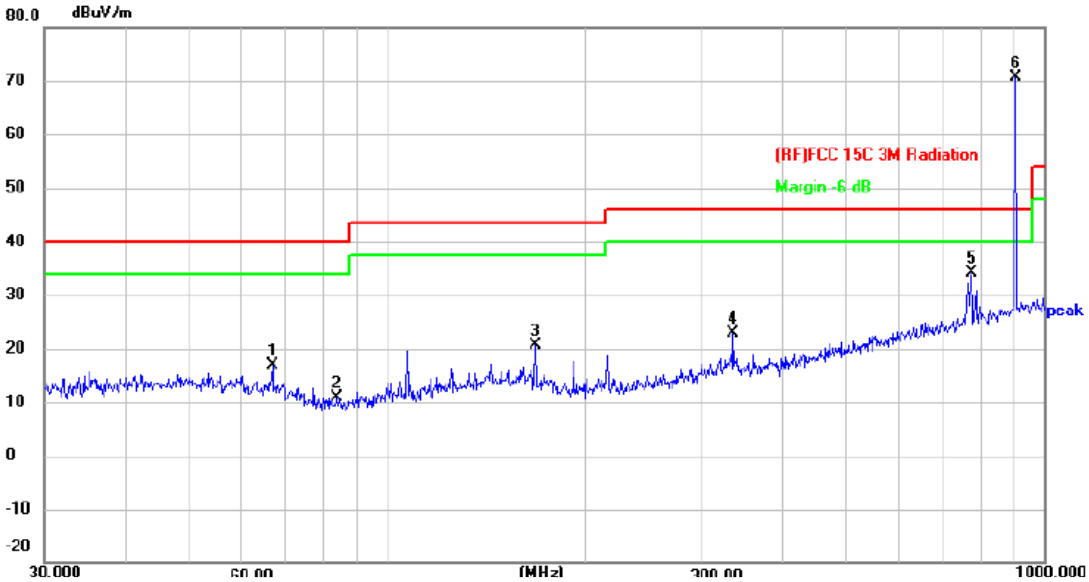
Temperature:	23.2℃	**Relative Humidity:**	41%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX Mode		
Remark:	No report for the emission which more than 20 dB below the prescribed limit.		



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	125.0066	44.08	-22.97	21.11	43.50	-22.39	peak
2	216.0240	50.04	-23.54	26.50	46.00	-19.50	peak
3	263.8190	48.82	-21.94	26.88	46.00	-19.12	peak
4	336.0352	55.01	-19.96	35.05	46.00	-10.95	peak
5	766.0571	46.77	-10.45	36.32	46.00	-9.68	peak
6 *	903.3094	85.02	-8.50	76.52	Fundamental Frequency		peak

Emission Level= Read Level+ Correct Factor

Temperature:	23.2℃	**Relative Humidity:**	41%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX Mode		
Remark:	No report for the emission which more than 20 dB below the prescribed limit.		

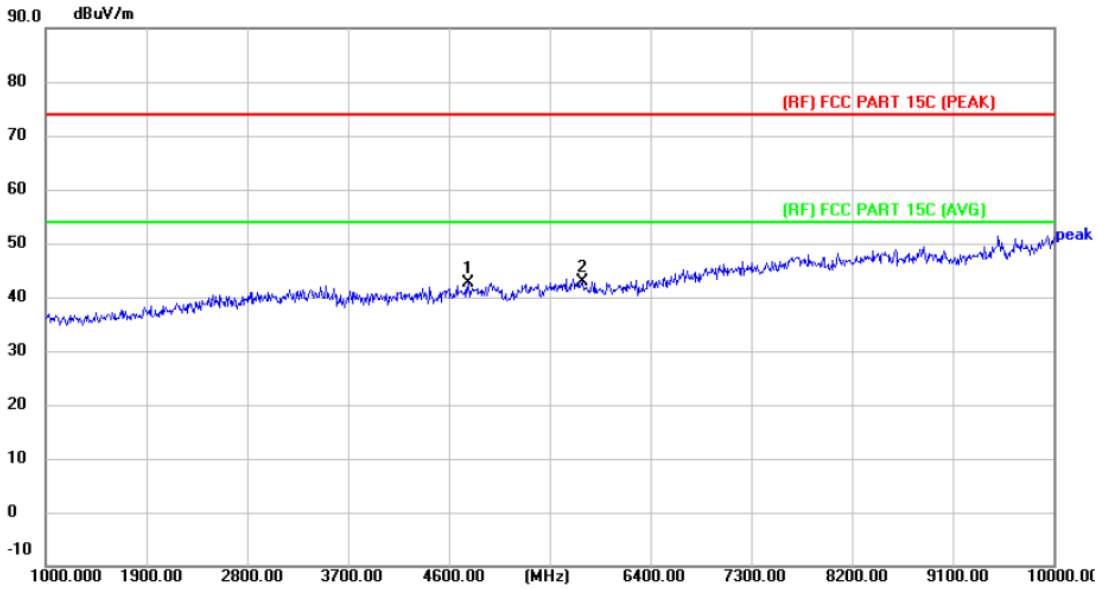


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	66.7325	40.84	-24.08	16.76	40.00	-23.24	peak
2	83.8156	37.49	-26.60	10.89	40.00	-29.11	peak
3	167.8243	42.71	-22.07	20.64	43.50	-22.86	peak
4	336.0352	42.92	-19.96	22.96	46.00	-23.04	peak
5	774.1584	44.56	-10.32	34.24	46.00	-11.76	peak
6 *	903.3094	79.07	-8.50	70.57	Fundamental Frequency		peak

Emission Level= Read Level+ Correct Factor

Radiated Spurious Emission (Above 1 GHz)

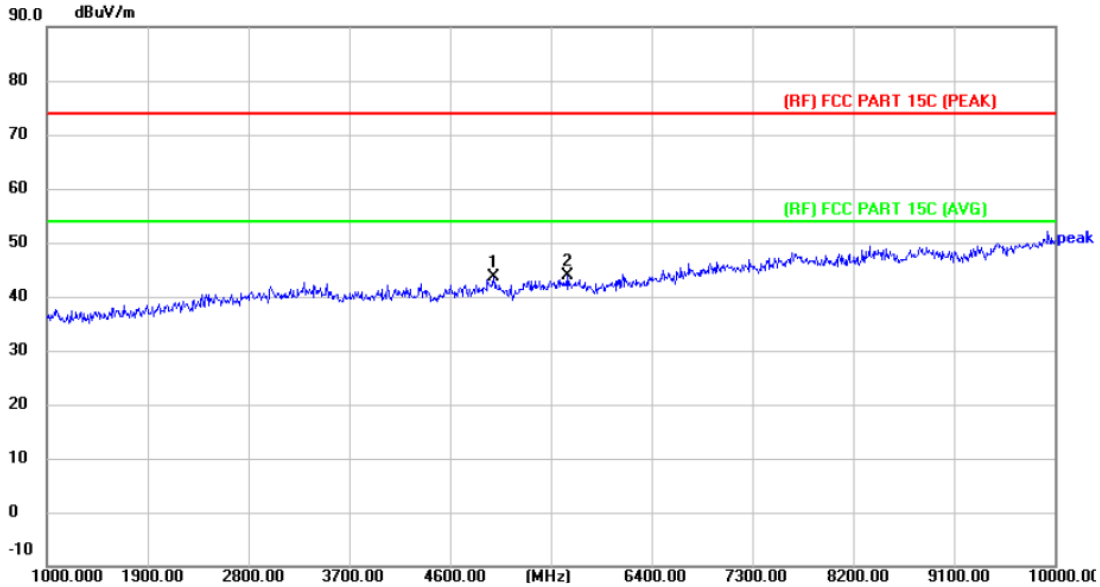
Temperature:	22.6℃	**Relative Humidity:**	42%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX 902.1MHz		
Remark:	No report for the emission which more than 20 dB below the prescribed limit.		



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	4771.000	50.79	-8.14	42.65	74.00	-31.35	peak
2 *	5797.000	49.71	-6.72	42.99	74.00	-31.01	peak

Emission Level= Read Level+ Correct Factor

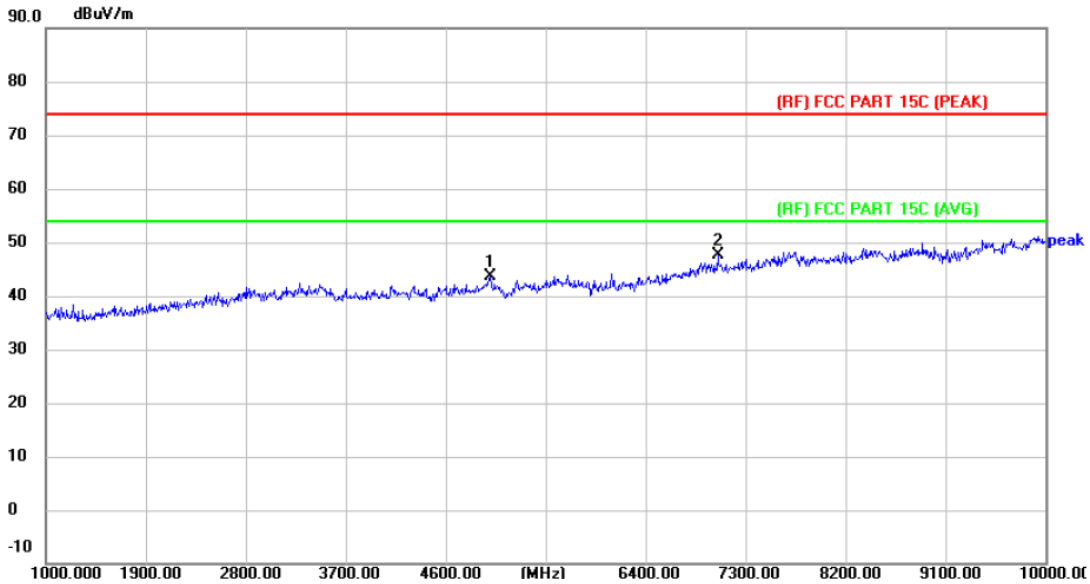
Temperature:	22.6℃	**Relative Humidity:**	42%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 902.1MHz		
Remark:	No report for the emission which more than 20 dB below the prescribed limit.		



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	4987.000	51.11	-7.57	43.54	74.00	-30.46	peak
2 *	5653.000	50.43	-6.49	43.94	74.00	-30.06	peak

Emission Level= Read Level+ Correct Factor

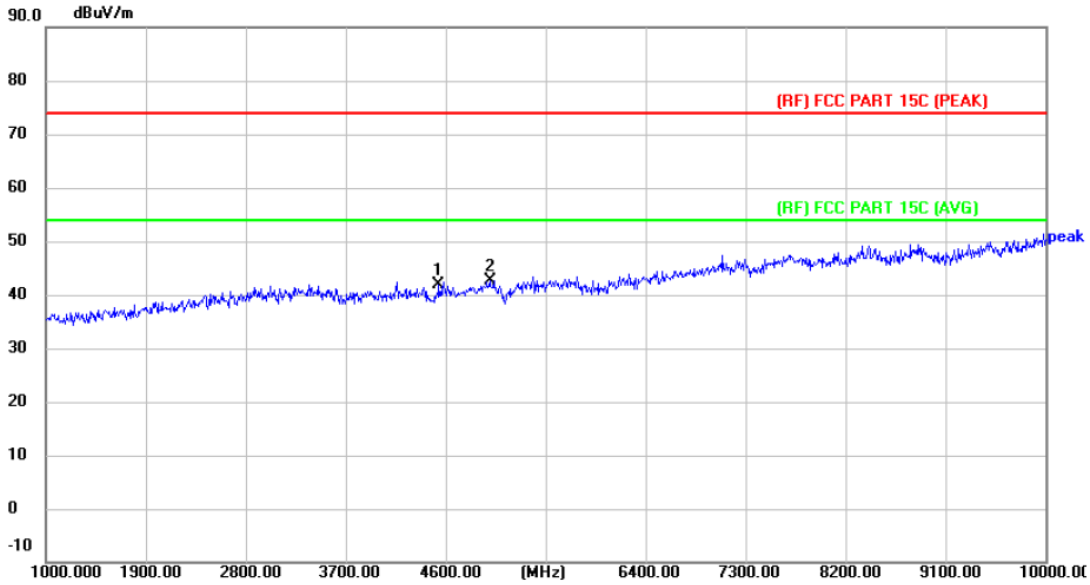
Temperature:	22.6℃	**Relative Humidity:**	42%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX 911.6MHz		
Remark:	No report for the emission which more than 20 dB below the prescribed limit.		



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	4996.000	51.28	-7.54	43.74	74.00	-30.26	peak
2 *	7048.000	50.53	-2.92	47.61	74.00	-26.39	peak

Emission Level= Read Level+ Correct Factor

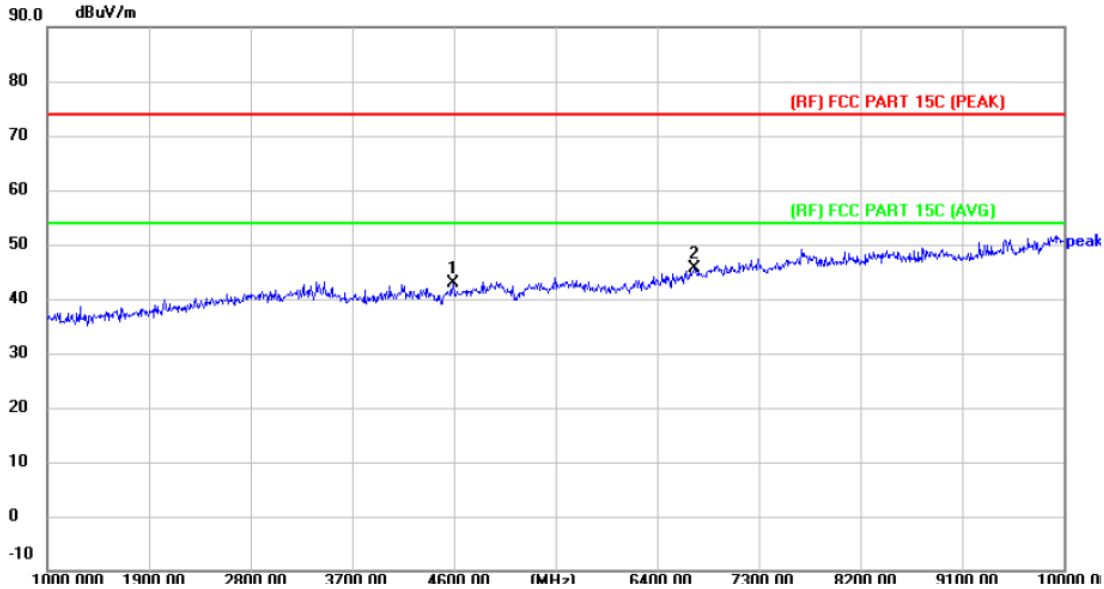
Temperature:	22.6℃	**Relative Humidity:**	42%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 911.6MHz		
Remark:	No report for the emission which more than 20 dB below the prescribed limit.		



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	4537.000	51.07	-9.19	41.88	74.00	-32.12	peak
2 *	4996.000	50.27	-7.54	42.73	74.00	-31.27	peak

Emission Level= Read Level+ Correct Factor

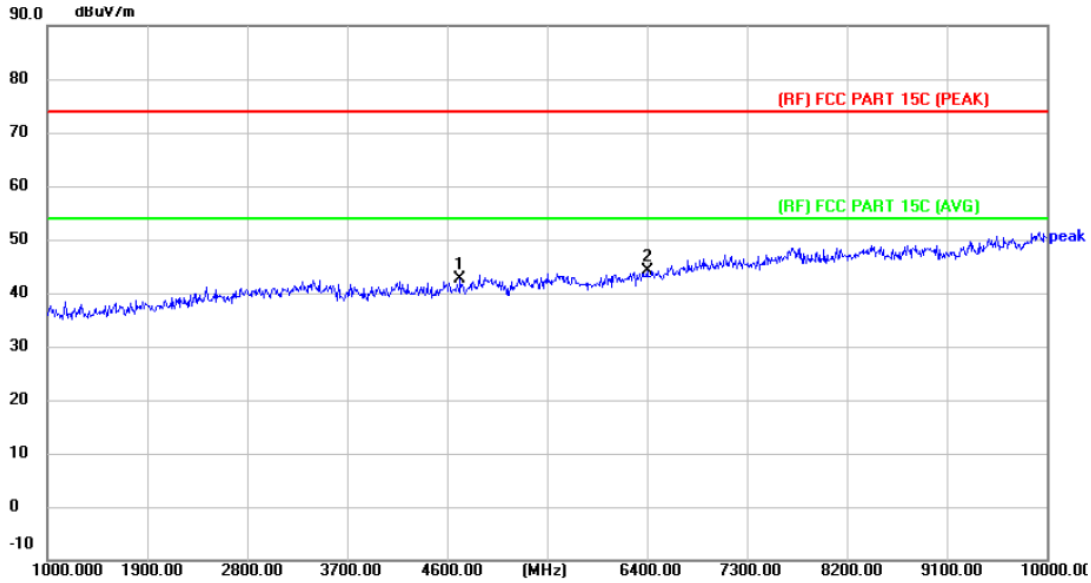
Temperature:	22.6℃	**Relative Humidity:**	42%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX 927.9MHz		
Remark:	No report for the emission which more than 20 dB below the prescribed limit.		



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	4591.000	51.77	-8.96	42.81	74.00	-31.19	peak
2 *	6733.000	49.52	-3.92	45.60	74.00	-28.40	peak

Emission Level= Read Level+ Correct Factor

Temperature:	22.6℃	**Relative Humidity:**	42%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 927.9MHz		
Remark:	No report for the emission which more than 20 dB below the prescribed limit.		

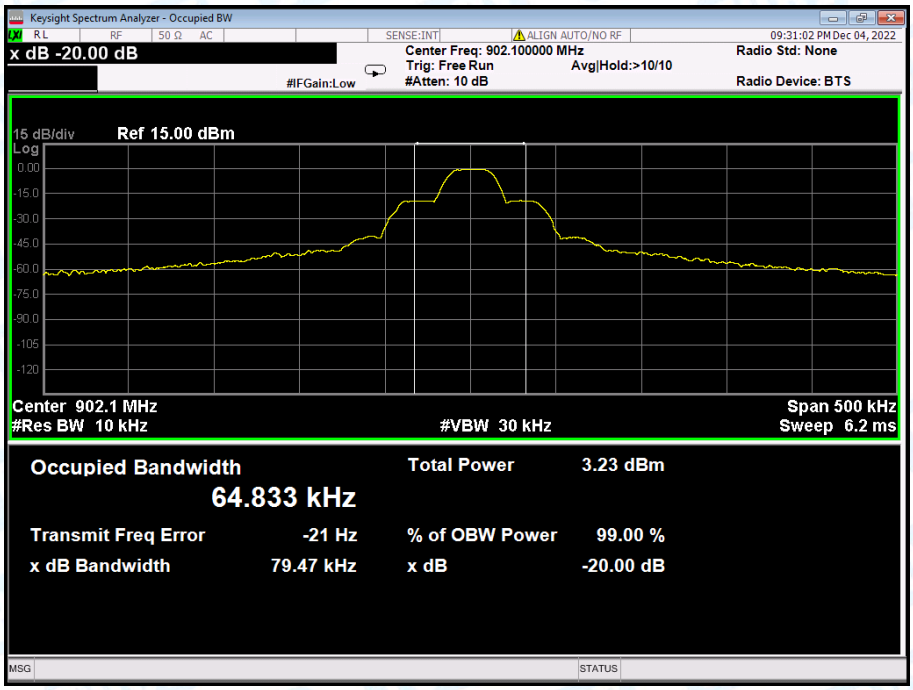


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	4717.000	50.86	-8.34	42.52	74.00	-31.48	peak
2 *	6400.000	49.16	-5.03	44.13	74.00	-29.87	peak

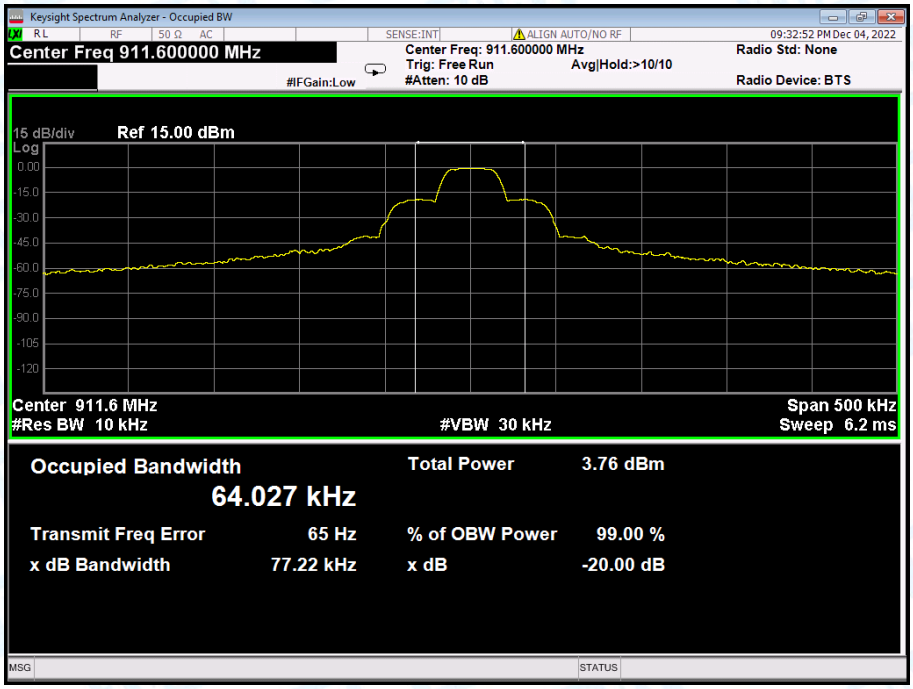
Emission Level= Read Level+ Correct Factor

Attachment C--Bandwidth Data

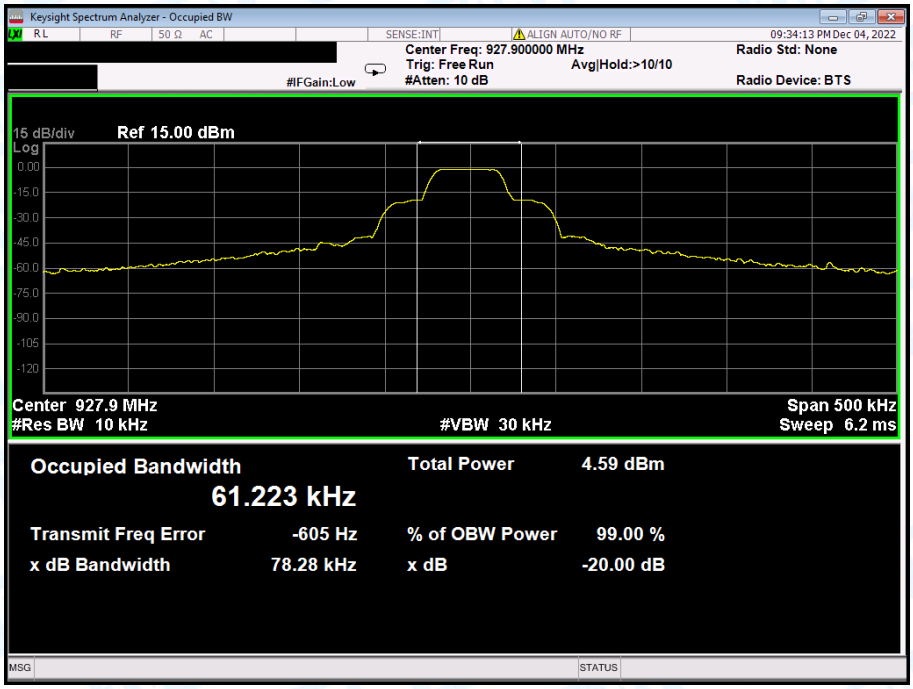
Low Channel Frequency (MHz)	20dB Bandwidth (KHz)
902.1	79.47



MID Channel Frequency (MHz)	20dB Bandwidth (KHz)
911.6	77.22



HIGH Channel Frequency (MHz)	20dB Bandwidth (KHz)
927.9	78.28



-----End of Report----