

FCC CERTIFICATION TEST REPORT

For
FCC ID:IKQFMT6A

Report Reference No. : 19EFAS01003 11

Date of issue : 2019-2-25

Testing Laboratory : DongGuan ShuoXin Electronic Technology Co., Ltd.

Address : Zone A, 1F, No. 6, XinGang Road YuanGang Street, XinAn
District, ChangAn Town, DongGuan City, GuangDong, China

Applicant's name : Scosche Industries Inc.

Address : 1550 Pacific Ave, Oxnard, CA 93033 USA

Manufacturer : Scosche Industries Inc.

Test specification:

Test item description : FM Transmitter

Trade Mark : --

Model/Type reference : FMT4

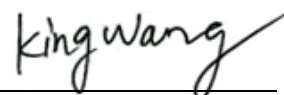
Ratings : IP:DC 3V

Responsible Engineer :



Smile Wang

Authorized Signatory:



King Wang

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TEST REPORT DECLARE

Applicant	:	Scosche Industries Inc.
Address	:	1550 Pacific Ave, Oxnard, CA 93033 USA
Equipment under Test	:	FM Transmitter
Model No	:	FMT4
Trade Mark	:	--
Manufacturer	:	Scosche Industries Inc.
Address	:	1550 Pacific Ave, Oxnard, CA 93033 USA

Test Standard Used: FCC:FCC Rules and Regulations Part 15 Subpart C (15.239)

IC: RSS-Gen Issue 5, April 2018. RSS-210 Issue 9, August 2016

Test procedure used: ANSI C63.4: 2014, ANSI C63.10:2013

We Declare:

The equipment described above is tested by DongGuan ShuoXin Electronic Technology Co., Ltd. and in the configuration tested the equipment complied with the standards specified above. The test results are contained in this test report and DongGuan ShuoXin Electronic Technology Co., Ltd. is assumed of full responsibility for the accuracy and completeness of these tests.

Our opinion is that the equipment provided for test compliance with the requirement of the above FCC standards.

Report No:	19EFAS01003 11		
Date of Test:	2019-1-2 to 2019-1-22	Date of Report:	2019-2-25

Note: This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of DongGuan ShuoXin Electronic Technology Co., Ltd.

1. Summary of test Standards and results

The EUT have been tested according to the applicable standards as referenced below.

Description of Test Item	Standard	Results
20dB Bandwidth	FCC Part 15. 239	PASS
Field Strength of Fundamental Emissions	FCC Part 15. 239	PASS
Radiated Emission	FCC Part 15.209	PASS

2. General test information

2.1 Description of EUT

EUT* Name	:	FM Transmitter
Model Number	:	FMT4
Trade Mark	:	--
EUT function description	:	Please reference user manual of this device
Power supply	:	DC 3V
Operation frequency	:	88.1-107.9MHz
Modulation	:	FM
Antenna Type	:	built-in FPC antenna, maximum PK gain:0dBi
Date of Receipt	:	2019/1/2
Sample Type	:	Signle production

Channel List

Channels	Frequency (MHz)	Channels	Frequency (MHz)	Channels	Frequency (MHz)
1	88.1	9	90.7	17	107.3
2	88.3	10	90.9	18	107.5
3	88.5	11	106.1	19	107.7
4	88.7	12	106.3	20	107.9
5	88.9	13	106.5		
6	90.1	14	106.7		
7	90.3	15	106.9		
8	90.5	16	107.1		

2.2 Accessories of EUT

Description of Accessories	Manufacturer	Model number or Type	Other
/	/	/	/

2.3 Assistant equipment used for test

Description of Assistant equipment	Manufacturer	Model number or Type	EMC Compliance	SN
/	/	/	/	/

2.4 Test environment conditions

During the measurement the environmental conditions were within the listed ranges:

Temperature range:	21-25℃
Humidity range:	40-75%
Pressure range:	86-106kPa

2.5 Measurement uncertainty

Test Item	Uncertainty
Uncertainty for Conduction emission test (9kHz-150kHz)	3.7 dB
Uncertainty for Conduction emission test (150kHz-30MHz)	3.3 dB
Uncertainty for Radiation Emission test (30MHz-200MHz)	4.60 dB (Polarize: V)
	4.60 dB (Polarize: H)
Uncertainty for Radiation Emission test (200MHz-1GHz)	6.10 dB (Polarize: V)
	5.08 dB (Polarize: H)
Uncertainty for Radiation Emission test (1GHz-6GHz)	5.01 dB (Polarize: V)
	5.01 dB (Polarize: H)
Uncertainty for Radiation Emission test (6GHz-18GHz)	5.26 dB (Polarize: V)
	5.26 dB (Polarize: H)
Uncertainty for Radiation Emission test (18GHz-40GHz)	5.06 dB (Polarize: V)
	5.06 dB (Polarize: H)
Uncertainty for radio frequency	$\pm 0.048\text{kHz}$
Uncertainty for conducted RF Power	$\pm 0.32\text{dB}$

Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$.

3. 20dB Bandwidth

3.1 Test equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Calibrated until	Calibrated Date
1	Spectrum analyzer	KEYSIGHT	N9010A	MY55150427	2019/05/25	2018/05/26
2	Attenuator	Mini-Circuits	BW-S10W2	101109	2019/12/16	2018/12/17
3	RF Cable	Micable	C10-01-01-1	100309	2019/12/16	2018/12/17
4	Signal Generator	Levear	VP-8194D	0530228LA	2019/12/16	2018/12/17

3.2 Block diagram of test setup



3.3 Applicable Standard

Intentional radiators operating under the alternative provisions to the general emission limits, as contained in §15.239, 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.

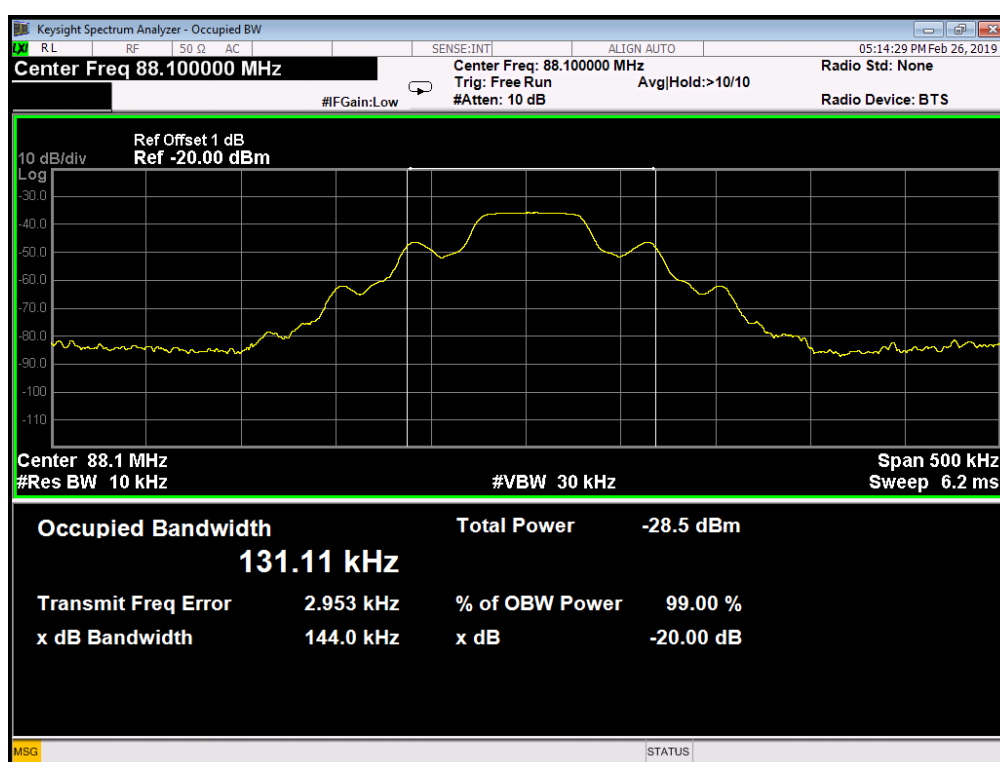
3.4 Test Procedure

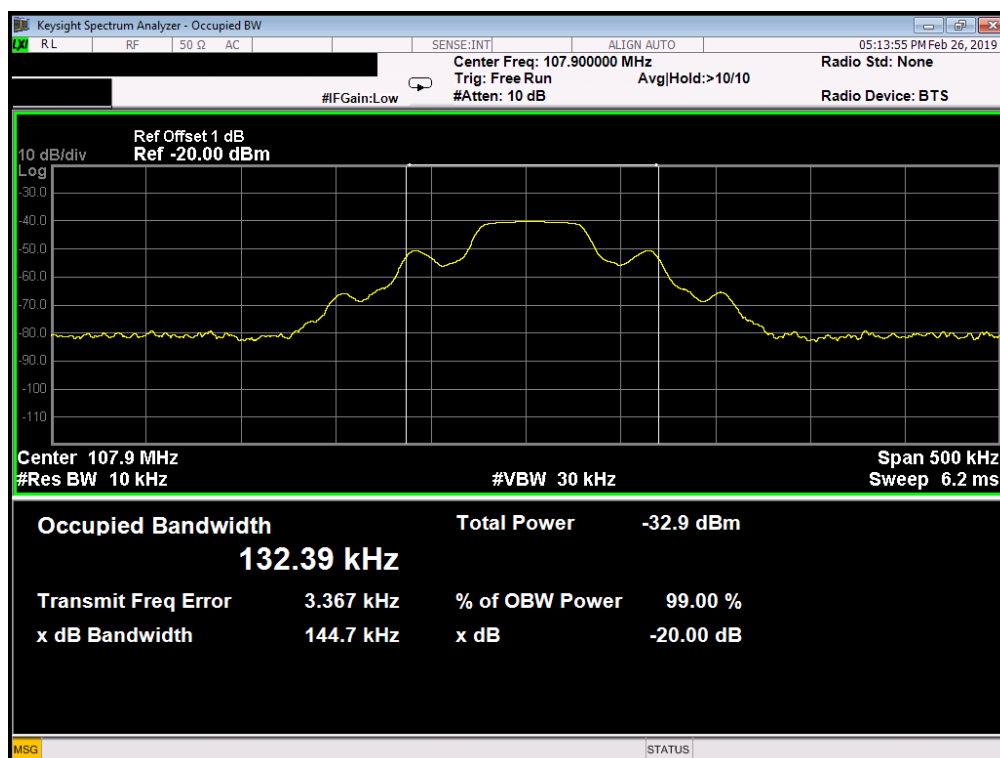
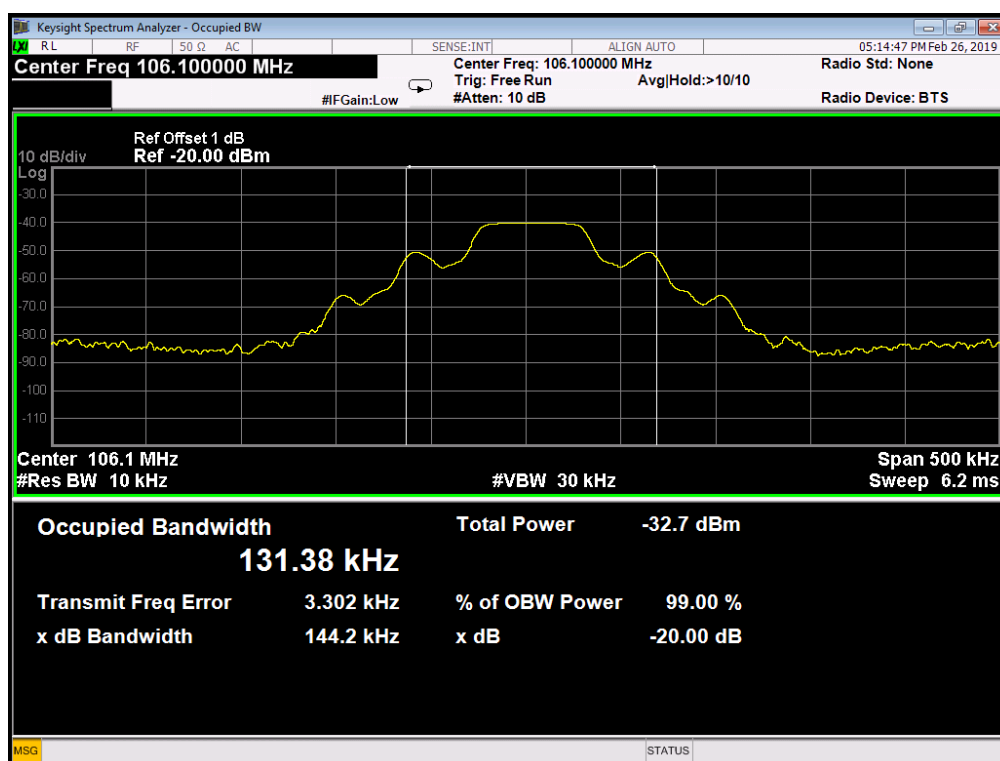
1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
2. Position the EUT on the test table without connection to measurement instrument. Turn on the EUT. Then set it to any one convenient frequency within its operating range. Set a reference level on the measuring instrument equal to the highest peak value.
3. Measure the frequency difference of two frequencies that were attenuated 20dB bandwidth and 99% bandwidth from the reference level. Record the frequency difference as the emission bandwidth.
4. Repeat above procedures until all frequencies measured were complete.

3.5 Test Result

EUT: FM Transmitter		M/N: FMT4	
Mode	Freq (MHz)	20dB bandwidth (KHz)	Conclusion
Tx	88.1	144.0	PASS
	106.1	144.2	PASS
	107.9	144.7	PASS

3.6 Original test data





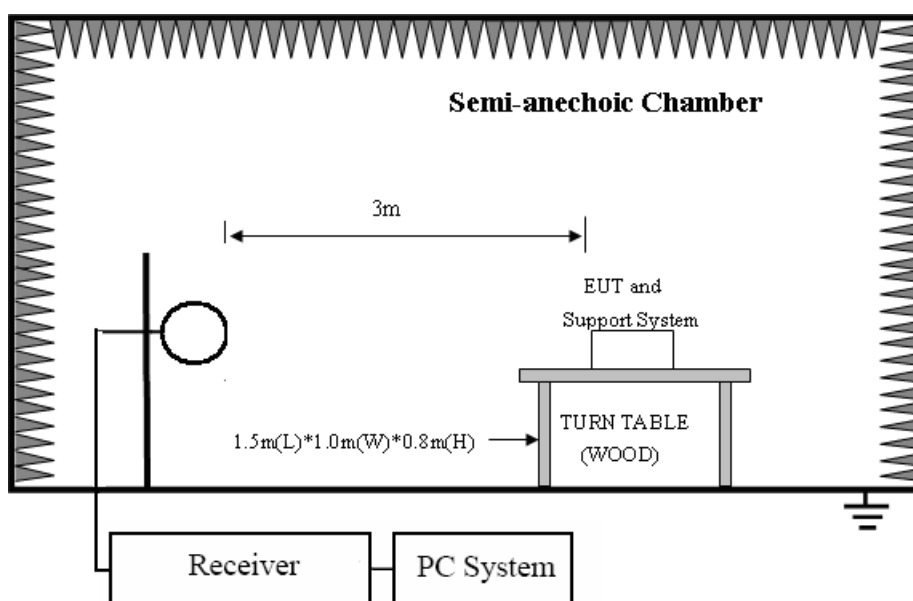
5. RADIATED EMISSION

5.1 Test equipment

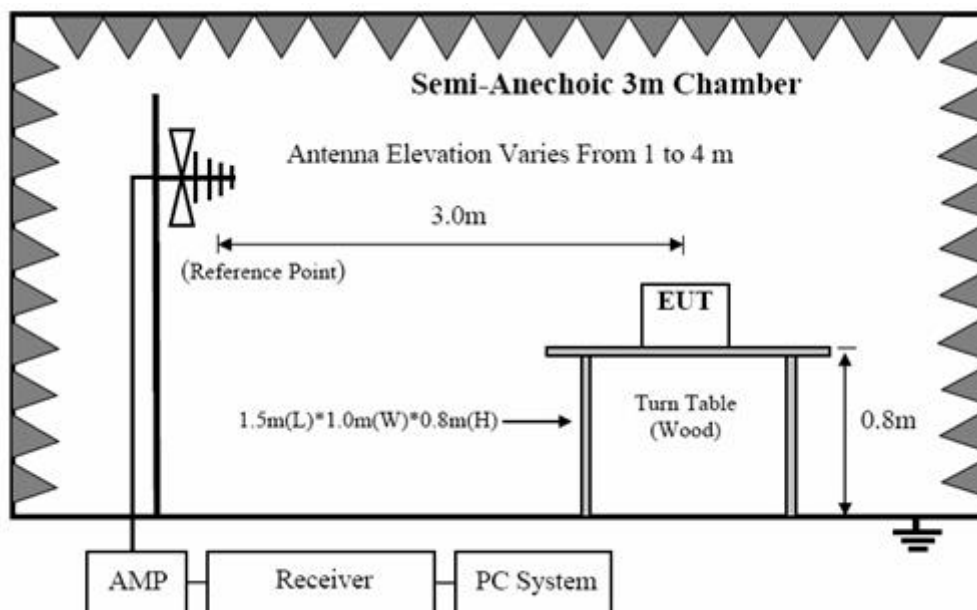
Item	Equipment	Manufacturer	Model No.	Serial No.	Cal Due.	Cal. Interval
1	EMI Test Receiver	R&S	ESCI	101307	2019/12/16	1 Year
2	Spectrum Analyzer	Agilent	E4407B	US40240708	07/03/2019	1 Year
3	Spectrum analyzer	R&S	FSU	1166.1660.26	2019/12/16	1 Year
4	Loop antenna	TESEQ	HLA6120	20129	2019/12/16	1 Year
5	Trilog Broadband Antenna	Schwarzbeck	VULB9163	9163-462	2019/12/16	1 Year
6	Double Ridged Horn Antenna	Schwarzbeck	BBHA9120D	9120D 1065	2019/12/16	1 Year
7	Horn Antenna	Schwarzbeck	BBHA 9170	9170 1248	2019/12/16	1 Year
8	Pre-amplifier	A.H.	PAM-1840VH	562	2019/12/16	1 Year
9	Pre-amplifier	R&S	AFS33-18002 650-30-8P-44	SEL0080	2019/12/16	1 Year
10	Pre-Amplifier	HP	8449B	3274A06298	2019/12/16	1 Year
11	RF Cable	R&S	R01	10403	2019/12/16	1 Year
12	RF Cable	R&S	R02	10512	2019/12/16	1 Year
13	Measurement Software	Farad	EZ-EMC (Ver.ATT-03A)	N/A	N/A	N/A
4	Signal Generator	Levear	VP-8194D	0530228LA	2019/12/16	2018/12/17

5.2 Block diagram of test setup

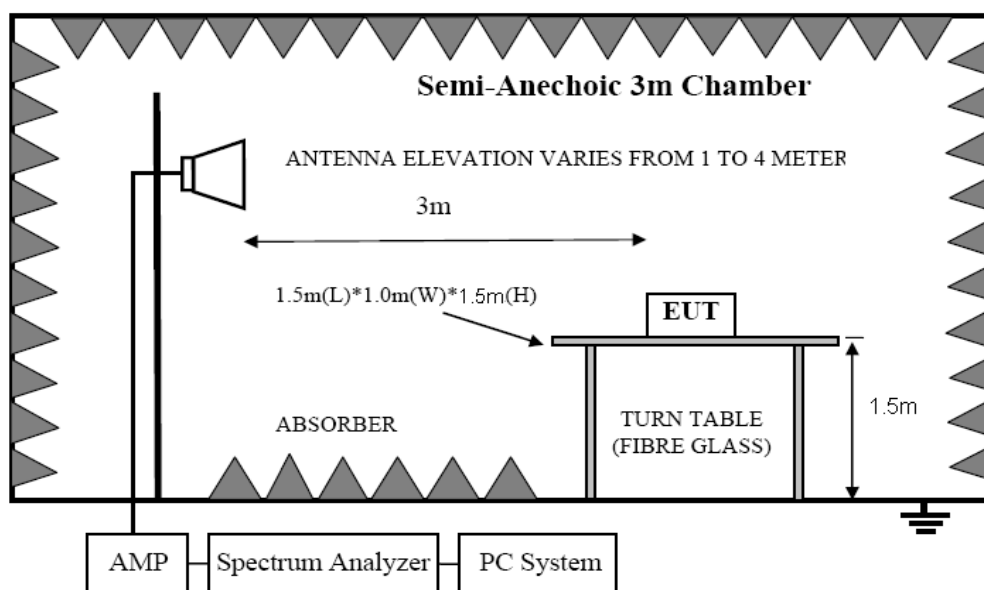
In 3m Anechoic Chamber Test Setup Diagram for below 30MHz



In 3m Anechoic Chamber Test Setup Diagram for below 1GHz



In 3m Anechoic Chamber Test Setup Diagram for frequency above 1GHz



Note: For harmonic emissions test a appropriate high pass filter was inserted in the input port of AMP.

5.3 Limit

FCC 15.209 Limit

FREQUENCY MHz	DISTANCE Meters	FIELD STRENGTHS LIMIT	
		$\mu\text{V/m}$	$\text{dB}(\mu\text{V})/\text{m}$ at 3 m
0.009 ~ 0.49	300	$2400/F(\text{kHz})$	65.0
0.49 ~ 1.705	30	$2400/F(\text{kHz})$	45.0
1.705 ~ 30	30	30	69.5
30 ~ 88	3	100	40.0
88 ~ 216	3	150	43.5
216 ~ 960	3	200	46.0
960 ~ 1000	3	500	54.0
Above 1000	3	74.0 $\text{dB}(\mu\text{V})/\text{m}$ (Peak) 54.0 $\text{dB}(\mu\text{V})/\text{m}$ (Average)	

5.3.4 Limit for this EUT

The radiated emission tests were performed in the 3 meters test site, using the setup accordance with the ANSI C63.4:2014. The specification used was the FCC 15.209.

5.4 Test Procedure

- (1) EUT was placed on a non-metallic table, 80 cm above the ground plane inside a semi-anechoic chamber.
- (2) Setup EUT and assistant system according clause 2.4 and 8.2
- (3) Test antenna was located 3m from the EUT on an adjustable mast. Below pre-scan procedure was first performed in order to find prominent radiated emissions.
 - (a) Change work frequency or channel of device if practicable.
 - (b) Change modulation type of device if practicable.
 - (c) Change power supply range from 85% to 115% of the rated supply voltage
 - (d) Rotated EUT though three orthogonal axes to determine the attitude of EUT arrangement produces highest emissions
- (4) Spectrum frequency from 9KHz to 25GHz (tenth harmonic of fundamental frequency) was investigated, and no any obvious emission were detected from 9KHz to 30MHz and 18GHz to 25GHz, so below final test was performed with frequency range from 30MHz to 18GHz.
- (5) For final emissions measurements at each frequency of interest, the EUT were rotated and the antenna height was varied between 1m and 4m in order to maximize the emission. Measurements in both horizontal and vertical polarities were made and the data was recorded. In order to find the maximum emission, the relative positions of equipments and all of the interface cables were changed according to ANSI C63.10 2013 on Radiated Emission test.
- (6) For emissions from 30MHz to 1GHz, Quasi-Peak values were measured with EMI Receiver and the bandwidth of Receiver is 120 KHz.

5.5 Test result

PASS. (See below detailed test result)

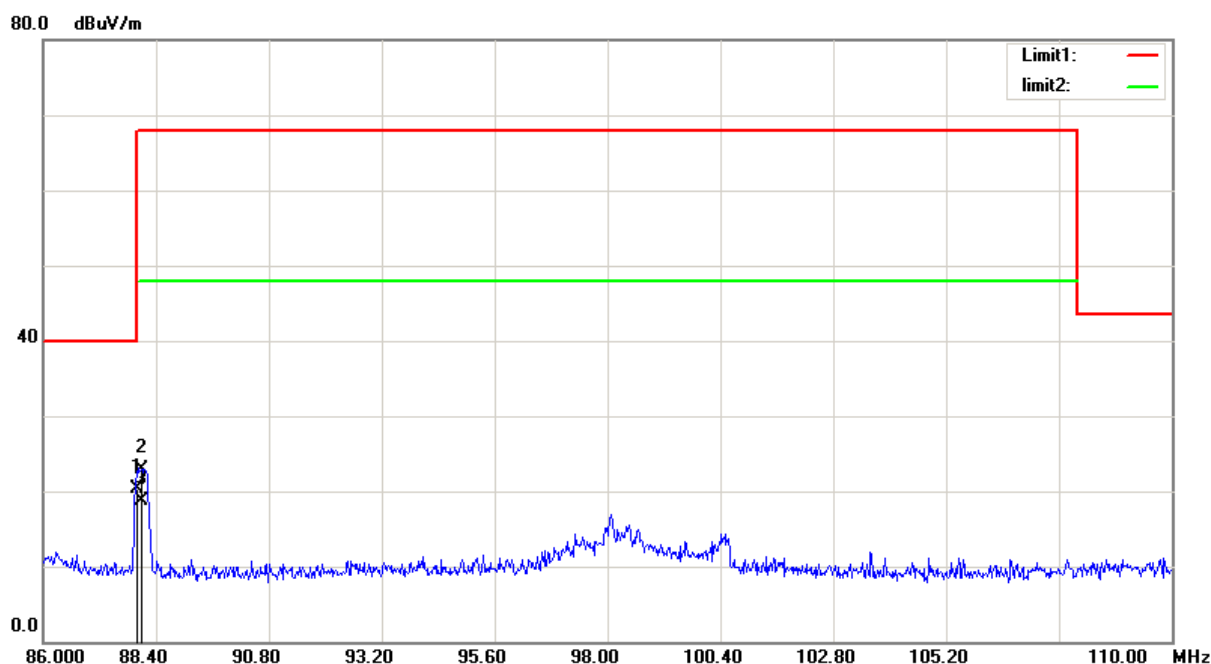
According to the recorded data in following table, the EUT complied with the FCC Title 47, Part 15, Subpart C, and section 15.205, 15.209 and 15.239, Vertical and Horizontal mode all have been tested, Horizontal mode is the worse case(new battery is used during all test) with the worst margin reading of:

Radiated Emission Test Result

Test Site	: 3m Chamber		
EUT	: FM Transmitter	Model No.:	: FMT4
Power Supply	: DC 3V	Test Mode	: Keeping TX
Condition	: Temp:24.5'C,Humi:55%	Antenna/Distance	: 3m

Field Strength of Fundamental Emissions

EUT:	FM Transmitter	Model No.:	FMT4
Temperature:	24	Relative Humidity:	55%
Distance:	3m	Test Power:	DC 3V
Polarization:	Vertical	Test Result:	Pass
Test Time:	2019-2-25	Test By:	
Standard:	(RE)FCC PART 15.239 30M-1G		
Test Mode:	TX		
Note:	88.1MHz		

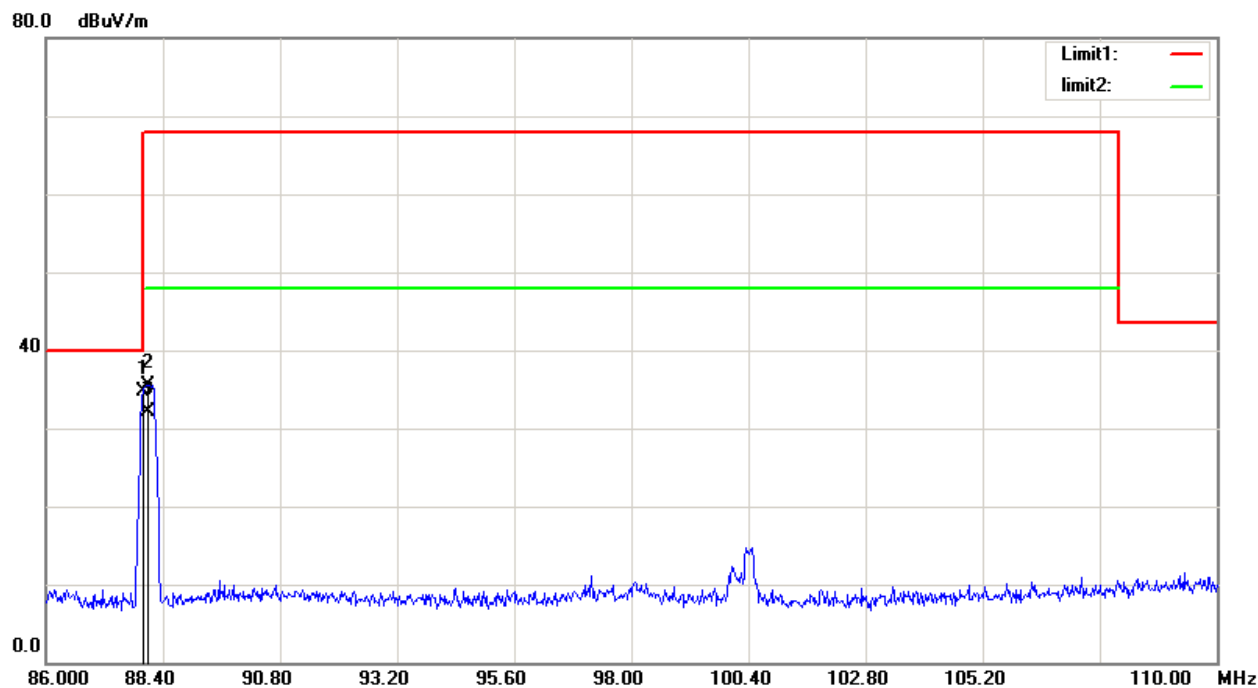


No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	88.0000	36.19	-15.89	20.30	40.00	-19.70	QP
2	88.1120	38.83	-15.89	22.94	68.00	-45.06	peak
3	88.1120	34.67	-15.89	18.78	48.00	-29.22	AVG

The test result is calculated as the following:

- (1) Result = Reading + Correct Factor
- (2) Correct Factor = Antenna Factor + Cable Loss-Amplifier Factor
- (3) Margin = Result - Limit

EUT:	FM Transmitter	Model No.:	FMT4
Temperature:	24	Relative Humidity:	55%
Distance:	3m	Test Power:	DC 3V
Polarization:	Horizontal	Test Result:	Pass
Test Time:	2019-2-25	Test By:	
Standard:	(RE)FCC PART 15.239 30M-1G		
Test Mode:	TX		
Note:	88.1MHz		

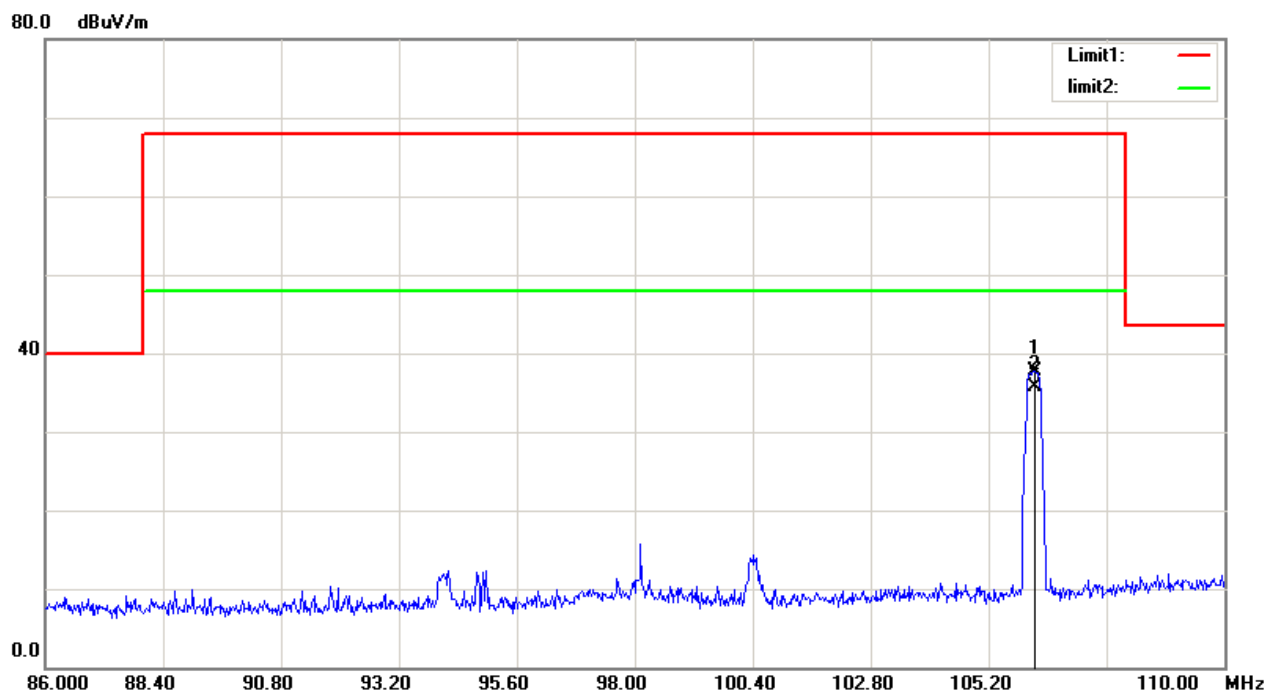


No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	88.0000	52.51	-17.89	34.62	40.00	-5.38	QP
2	88.0880	53.46	-17.89	35.57	68.00	-32.43	peak
3	88.0880	50.09	-17.89	32.20	48.00	-15.80	AVG

The test result is calculated as the following:

- (1) Result = Reading + Correct Factor
- (2) Correct Factor = Antenna Factor + Cable Loss-Amplifier Factor
- (3) Margin = Result - Limit

EUT:	FM Transmitter	Model No.:	FMT4
Temperature:	24	Relative Humidity:	55%
Distance:	3m	Test Power:	DC 3V
Polarization:	Horizontal	Test Result:	Pass
Test Time:	2019-2-25	Test By:	
Standard:	(RE)FCC PART 15.239 30M-1G		
Test Mode:	TX		
Note:	106.1MHz		

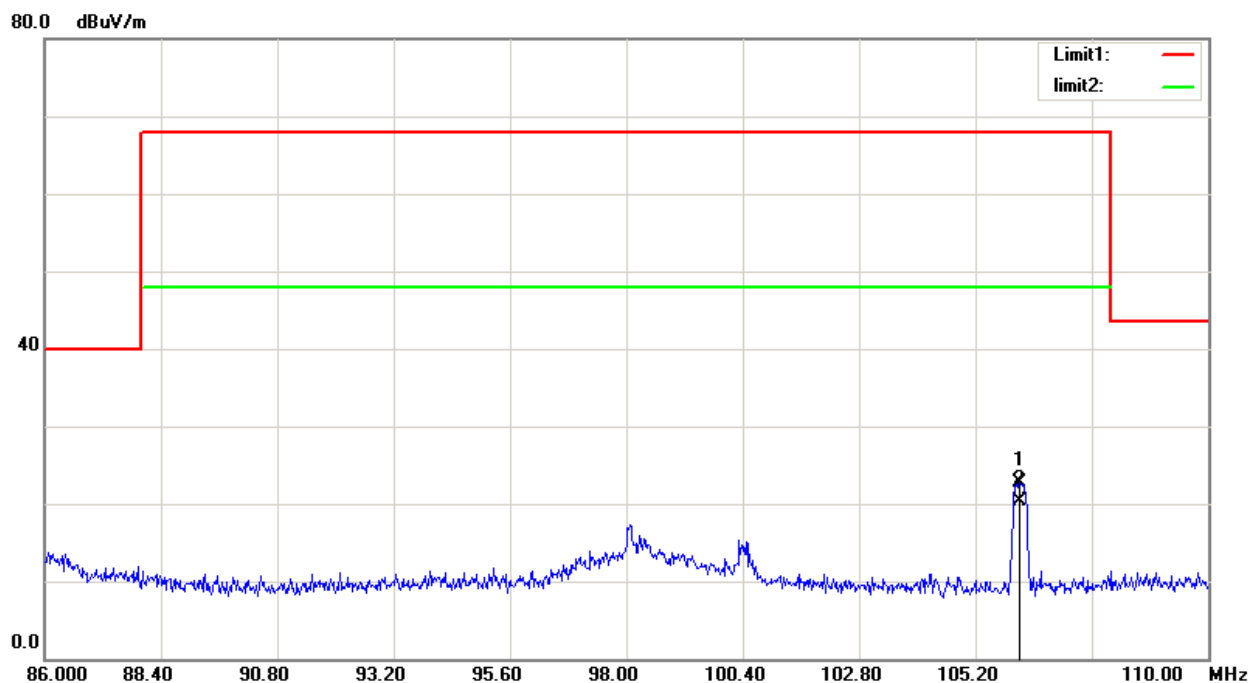


No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	106.1360	53.82	-16.17	37.65	68.00	-30.35	peak
2	106.1360	51.81	-16.17	35.64	48.00	-12.36	AVG

The test result is calculated as the following:

- (1) Result = Reading + Correct Factor
- (2) Correct Factor = Antenna Factor + Cable Loss-Amplifier Factor
- (3) Margin = Result - Limit

EUT:	FM Transmitter	Model No.:	FMT4
Temperature:	24	Relative Humidity:	55%
Distance:	3m	Test Power:	DC 3V
Polarization:	Vertical	Test Result:	Pass
Test Time:	2019-2-25	Test By:	
Standard:	(RE)FCC PART 15.239 30M-1G		
Test Mode:	TX		
Note:	106.1MHz		

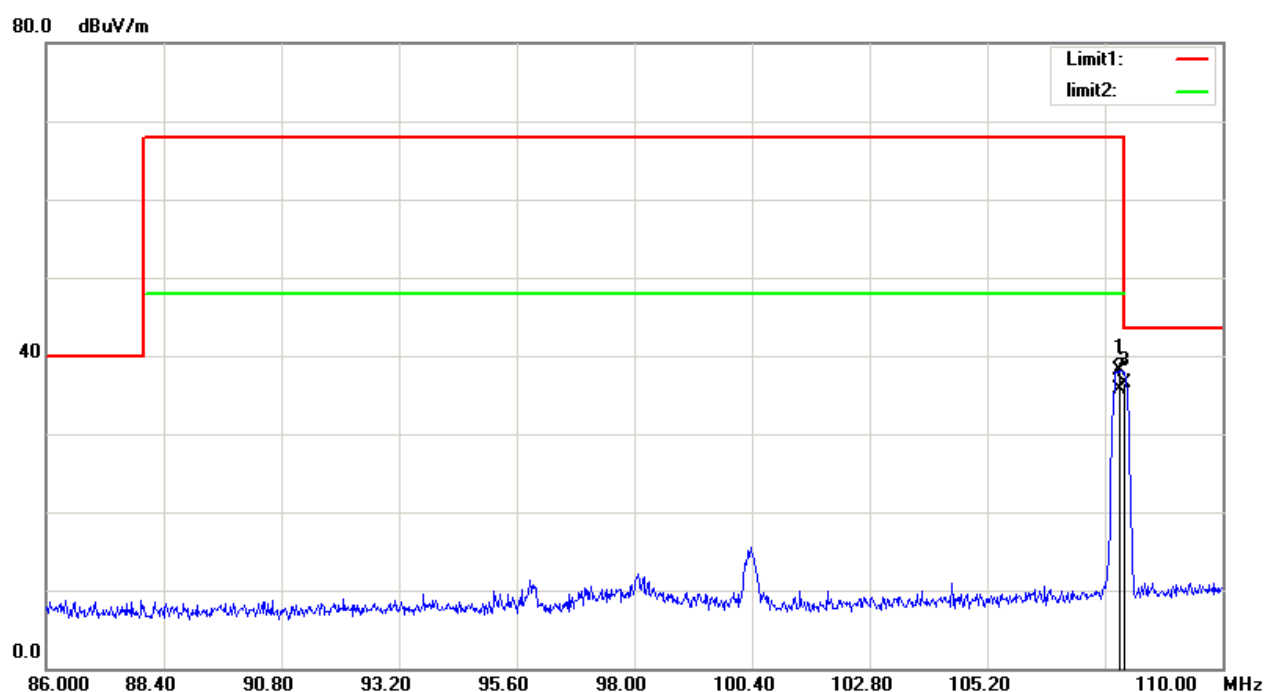


No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	106.1120	38.05	-15.41	22.64	68.00	-45.36	peak
2	106.1120	35.71	-15.41	20.30	48.00	-27.70	AVG

The test result is calculated as the following:

- (1) Result = Reading + Correct Factor
- (2) Correct Factor = Antenna Factor + Cable Loss-Amplifier Factor
- (3) Margin = Result - Limit

EUT:	FM Transmitter	Model No.:	FMT4
Temperature:	24	Relative Humidity:	55%
Distance:	3m	Test Power:	DC 3V
Polarization:	Horizontal	Test Result:	Pass
Test Time:	2019-2-25	Test By:	
Standard:	(RE)FCC PART 15.239 30M-1G		
Test Mode:	TX		
Note:	107.9MHz		

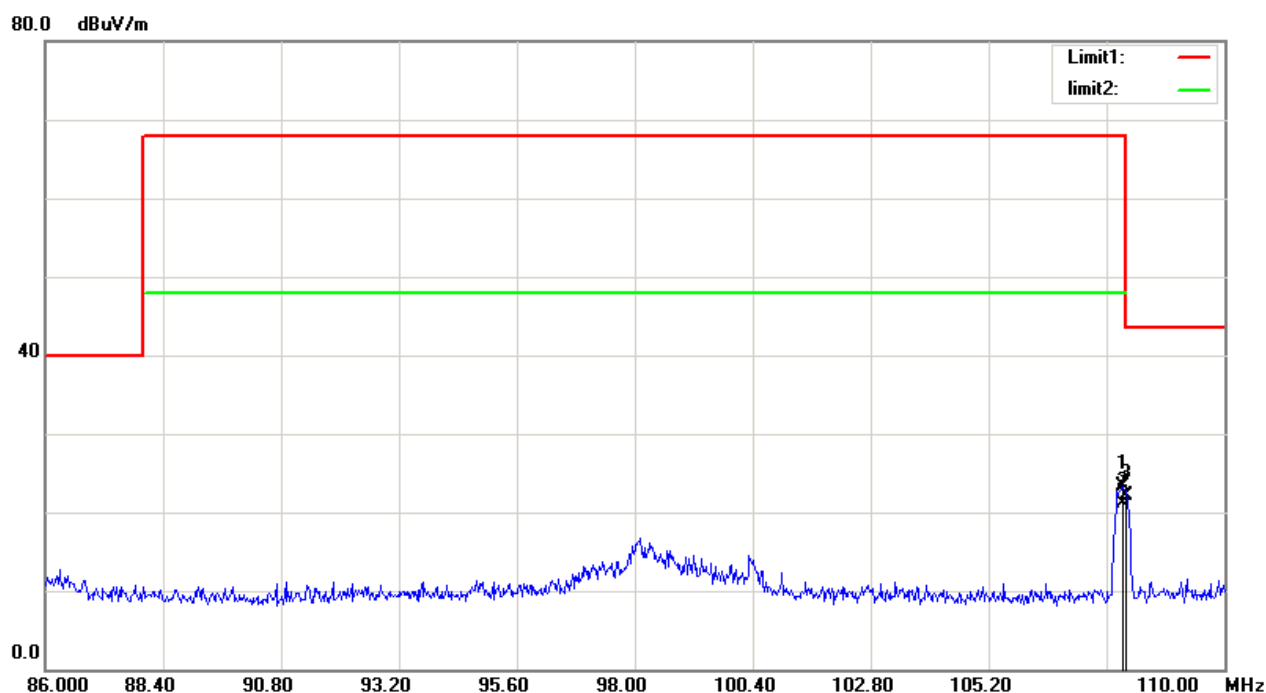


No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	107.8880	53.68	-15.59	38.09	68.00	-29.91	peak
2	107.8880	51.26	-15.59	35.67	48.00	-12.33	AVG
3	108.0000	52.15	-15.56	36.59	43.50	-6.91	QP

The test result is calculated as the following:

- (1) Result = Reading + Correct Factor
- (2) Correct Factor = Antenna Factor + Cable Loss-Amplifier Factor
- (3) Margin = Result - Limit

EUT:	FM Transmitter	Model No.:	FMT4
Temperature:	24	Relative Humidity:	55%
Distance:	3m	Test Power:	DC 3V
Polarization:	Vertical	Test Result:	Pass
Test Time:	2019-2-25	Test By:	
Standard:	(RE)FCC PART 15.239 30M-1G		
Test Mode:	TX		
Note:	107.9MHz		



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	107.9360	38.39	-15.17	23.22	68.00	-44.78	peak
2	107.9360	36.19	-15.17	21.02	48.00	-26.98	AVG
3	108.0000	37.19	-15.16	22.03	43.50	-21.47	QP

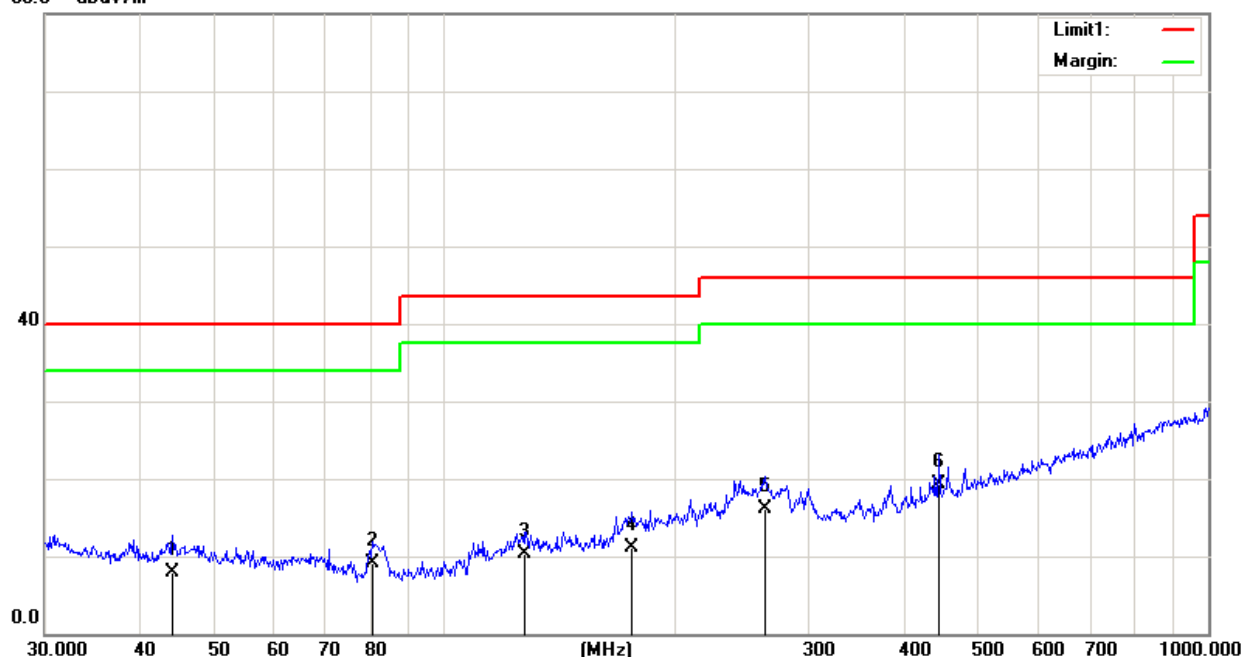
The test result is calculated as the following:

- (1) Result = Reading + Correct Factor
- (2) Correct Factor = Antenna Factor + Cable Loss-Amplifier Factor
- (3) Margin = Result - Limit

30M-1G

EUT:	FM Transmitter	Model No.:	FMT4
Temperature:	24	Relative Humidity:	55%
Distance:	3m	Test Power:	DC 3V
Polarization:	Horizontal	Test Result:	Pass
Test Time:	2019-1-17	Test By:	
Standard:	(RE)FCC PART 15 class B 3m		
Test Mode:	TX		
Note:	88.1M		

80.0 dBuV/m

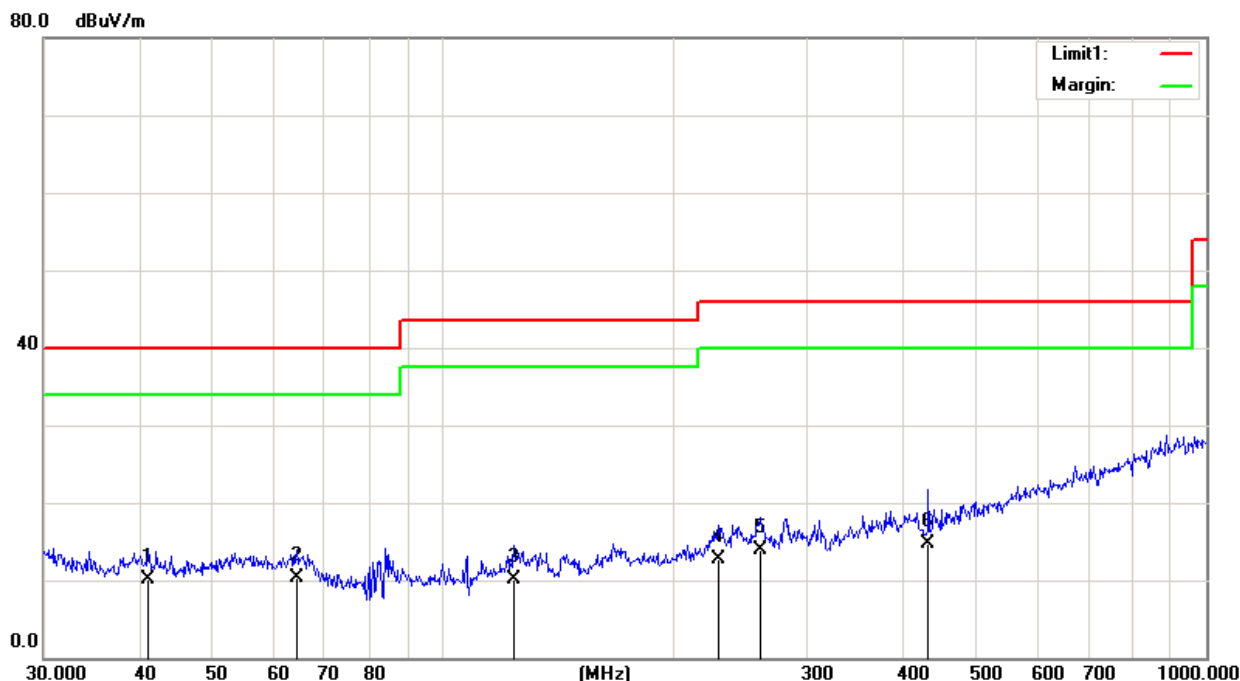


No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	44.1200	22.72	-14.72	8.00	40.00	-32.00	QP
2	80.6440	27.26	-18.14	9.12	40.00	-30.88	QP
3	127.2176	23.83	-13.60	10.23	43.50	-33.27	QP
4	176.2684	21.41	-10.27	11.14	43.50	-32.36	QP
5	262.8955	21.48	-5.45	16.03	46.00	-29.97	QP
6	444.8514	26.63	-7.28	19.35	46.00	-26.65	QP

The test result is calculated as the following:

- (1) Result = Reading + Correct Factor
- (2) Correct Factor = Antenna Factor + Cable Loss-Amplifier Factor
- (3) Margin = Result - Limit

EUT:	FM Transmitter	Model No.:	FMT4
Temperature:	24	Relative Humidity:	55%
Distance:	3m	Test Power:	DC 3V
Polarization:	Vertical	Test Result:	Pass
Test Time:	2019-1-17	Test By:	
Standard:	(RE)FCC PART 15 class B 3m		
Test Mode:	TX		
Note:	88.1M		

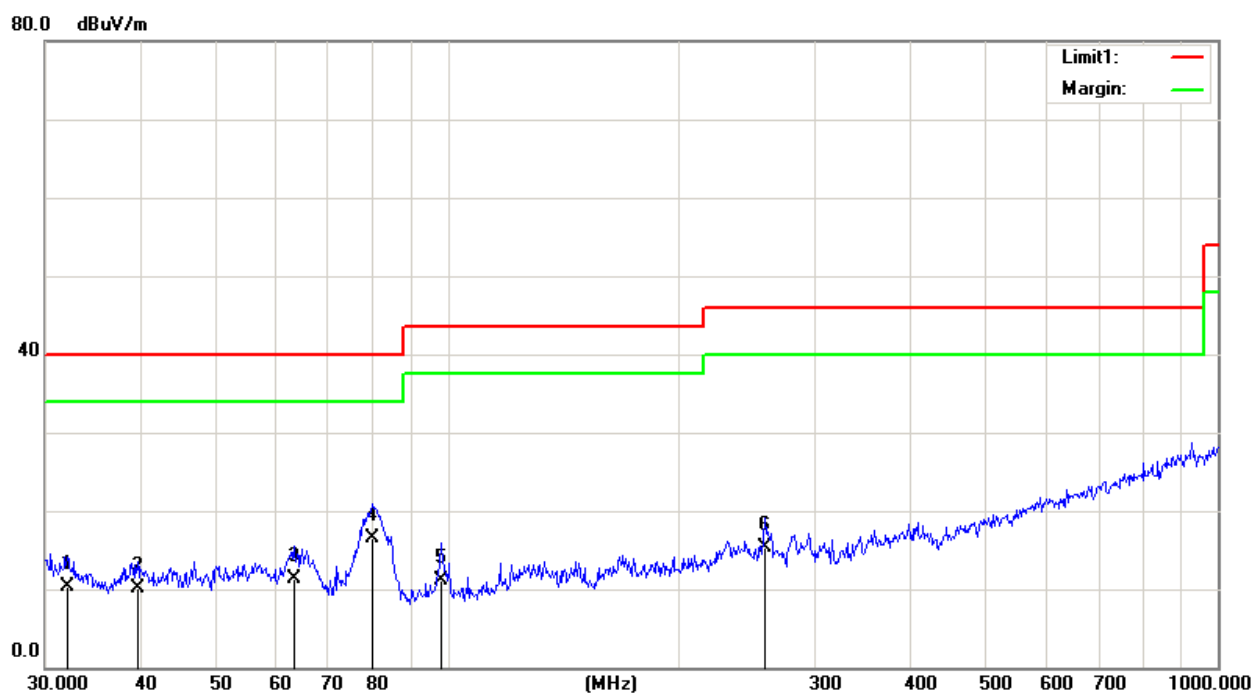


No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	41.1319	23.64	-13.54	10.10	40.00	-29.90	QP
2	64.4330	23.33	-12.99	10.34	40.00	-29.66	QP
3	123.6984	22.80	-12.66	10.14	43.50	-33.36	QP
4	230.0985	20.89	-8.27	12.62	46.00	-33.38	QP
5	260.1444	20.62	-6.64	13.98	46.00	-32.02	QP
6	432.5457	23.43	-8.64	14.79	46.00	-31.21	QP

The test result is calculated as the following:

- (1) Result = Reading + Correct Factor
- (2) Correct Factor = Antenna Factor + Cable Loss-Amplifier Factor
- (3) Margin = Result - Limit

EUT:	FM Transmitter	Model No.:	FMT4
Temperature:	24	Relative Humidity:	55%
Distance:	3m	Test Power:	DC 3V
Polarization:	Vertical	Test Result:	Pass
Test Time:	2019-2-25	Test By:	
Standard:	(RE)FCC PART 15 class B 3m		
Test Mode:	TX		
Note:	106.1M		

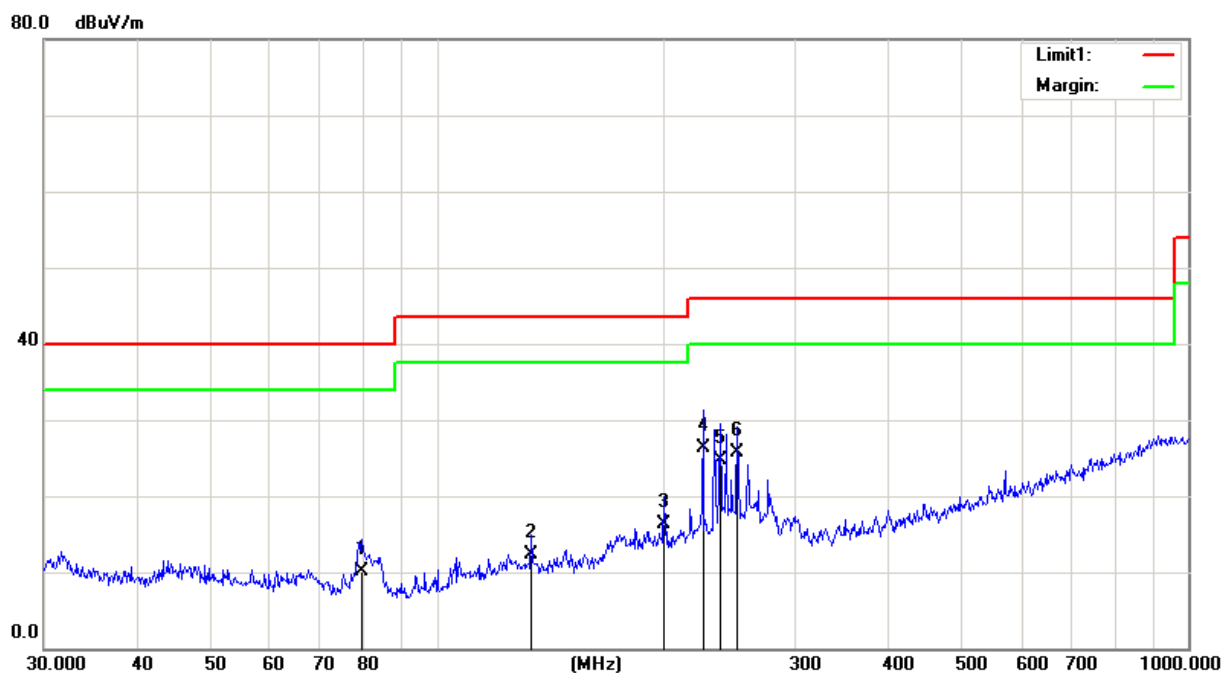


No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	32.0667	22.82	-12.59	10.23	40.00	-29.77	QP
2	39.5756	23.43	-13.33	10.10	40.00	-29.90	QP
3	63.0915	24.47	-13.13	11.34	40.00	-28.66	QP
4	79.8002	32.67	-16.14	16.53	40.00	-23.47	QP
5	98.1419	26.50	-15.30	11.20	43.50	-32.30	QP
6	258.3263	22.54	-7.24	15.30	46.00	-30.70	QP

The test result is calculated as the following:

- (1) Result = Reading + Correct Factor
- (2) Correct Factor = Antenna Factor + Cable Loss-Amplifier Factor
- (3) Margin = Result - Limit

EUT:	FM Transmitter	Model No.:	FMT4
Temperature:	24	Relative Humidity:	55%
Distance:	3m	Test Power:	DC 3V
Polarization:	Horizontal	Test Result:	Pass
Test Time:	2019-2-25	Test By:	
Standard:	(RE)FCC PART 15 class B 3m		
Test Mode:	TX		
Note:	106.1M		

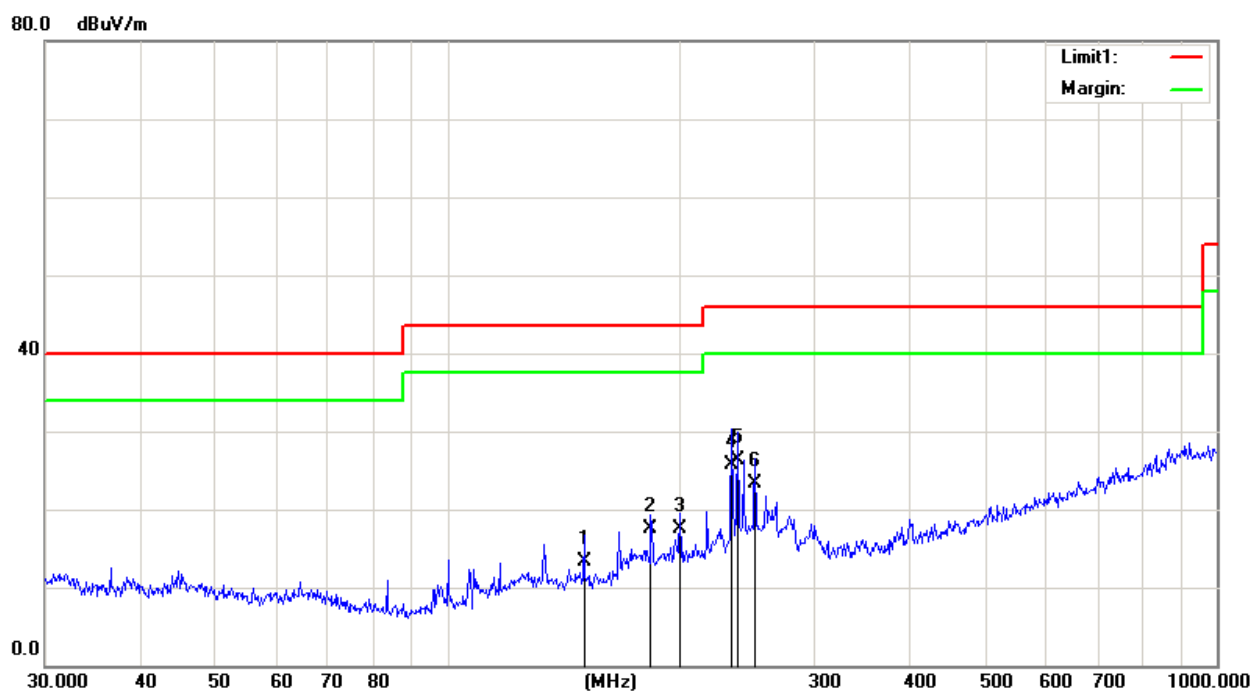


No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	79.5209	28.18	-18.08	10.10	40.00	-29.90	QP
2	133.6188	26.03	-13.73	12.30	43.50	-31.20	QP
3	200.6881	26.17	-9.83	16.34	43.50	-27.16	QP
4	226.0994	35.09	-8.73	26.36	46.00	-19.64	QP
5	238.3102	31.82	-7.11	24.71	46.00	-21.29	QP
6	251.1804	32.27	-6.61	25.66	46.00	-20.34	QP

The test result is calculated as the following:

- (1) Result = Reading + Correct Factor
- (2) Correct Factor = Antenna Factor + Cable Loss-Amplifier Factor
- (3) Margin = Result - Limit

EUT:	FM Transmitter	Model No.:	FMT4
Temperature:	24	Relative Humidity:	55%
Distance:	3m	Test Power:	DC 3V
Polarization:	Horizontal	Test Result:	Pass
Test Time:	2019-2-25	Test By:	
Standard:	(RE)FCC PART 15 class B 3m		
Test Mode:	TX		
Note:	107.9M		

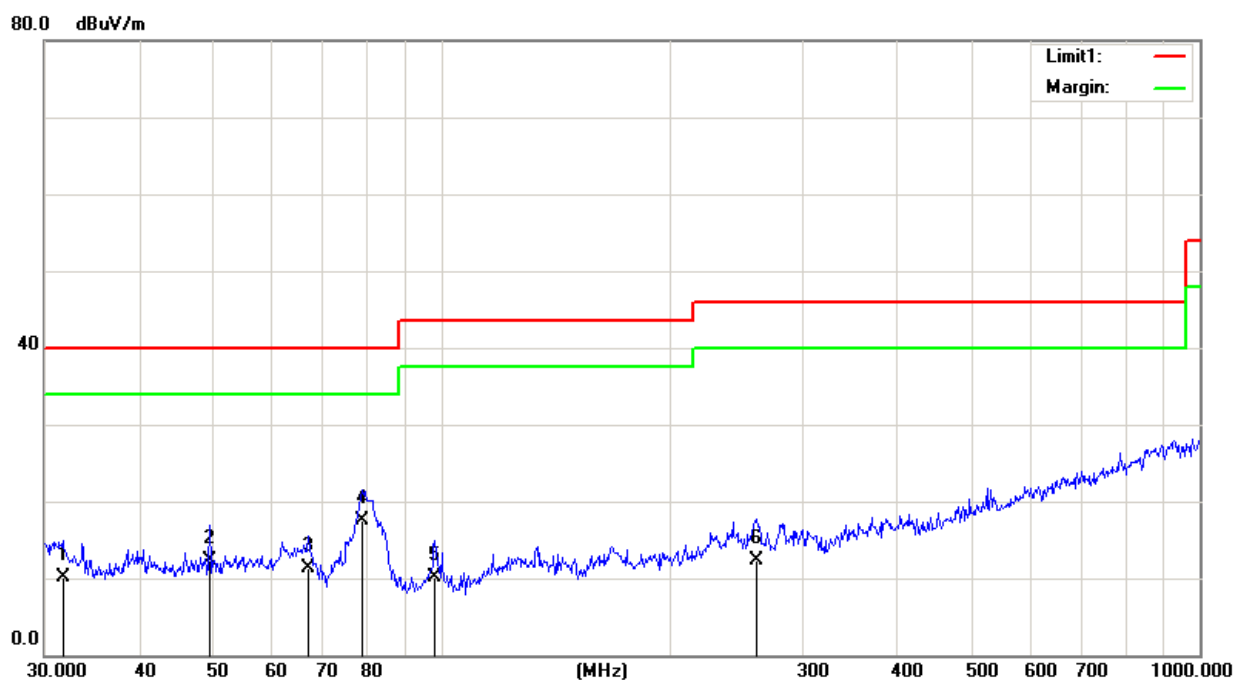


No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	150.5378	26.75	-13.39	13.36	43.50	-30.14	QP
2	183.8439	28.15	-10.70	17.45	43.50	-26.05	QP
3	200.6880	27.41	-9.83	17.58	43.50	-25.92	QP
4	234.1683	33.81	-8.17	25.64	46.00	-20.36	QP
5	238.3102	33.47	-7.11	26.36	46.00	-19.64	QP
6	251.1803	29.92	-6.61	23.31	46.00	-22.69	QP

The test result is calculated as the following:

- (1) Result = Reading + Correct Factor
- (2) Correct Factor = Antenna Factor + Cable Loss-Amplifier Factor
- (3) Margin = Result - Limit

EUT:	FM Transmitter	Model No.:	FMT4
Temperature:	24	Relative Humidity:	55%
Distance:	3m	Test Power:	DC 3V
Polarization:	Vertical	Test Result:	Pass
Test Time:	2019-2-25	Test By:	
Standard:	(RE)FCC PART 15 class B 3m		
Test Mode:	TX		
Note:	107.9M		



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	31.7313	22.55	-12.43	10.12	40.00	-29.88	QP
2	49.5328	25.85	-13.59	12.26	40.00	-27.74	QP
3	66.7325	25.04	-13.80	11.24	40.00	-28.76	QP
4	78.6888	33.41	-15.94	17.47	40.00	-22.53	QP
5	98.1419	25.32	-15.30	10.02	43.50	-33.48	QP
6	261.0583	19.40	-7.14	12.26	46.00	-33.74	QP

The test result is calculated as the following:

- (1) Result = Reading + Correct Factor
- (2) Correct Factor = Antenna Factor + Cable Loss-Amplifier Factor
- (3) Margin = Result - Limit

6. Antenna Requirements

6.1. Limit

For intentional device, according to FCC 47 CFR Section 15.203, 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. And according to FCC 47 CFR Section 15.247 (b), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

6.2. Result

The EUT antenna is permanent attached antenna. It comply with the standard requirement.