

# FCC Radio Test Report

## FCC ID: XMF-MID1008

### FCC Class II Permissive Change

**Report No.** : TB-FCC145090  
**Applicant** : Lightcomm Technology Co., Ltd.  
**Equipment Under Test (EUT)**  
**EUT Name** : MID  
**Model No.** : MID1008-L  
**Series Model No.** : DL1010Q, DL1008M  
**Brand Name** : N/A  
**Receipt Date** : 2015-08-12  
**Test Date** : 2015-08-12 to 2015-08-17  
**Issue Date** : 2015-08-18  
**Standards** : FCC Part 15: 2014, Subpart C(15.247)  
**Test Method** : ANSI C63.10:2013  
**Conclusions** : **PASS**

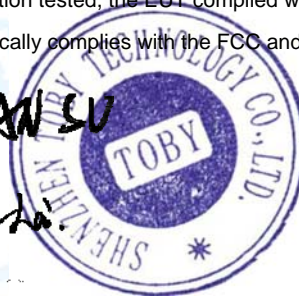
In the configuration tested, the EUT complied with the standards specified above,  
The EUT technically complies with the FCC and IC requirements

**Test/Witness Engineer** :

IWAN SU

**Approved & Authorized** :

Raymond



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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# 1. General Information about EUT

## 1.1 Client Information

**Applicant** : Lightcomm Technology Co., Ltd.  
**Address** : RM 1708-10, 17/F, PROSPERITY CENTRE, 25 CHONG YIP STREET, KWUN TONG, KOWLOON, HONG KONG  
**Manufacturer** : Huizhou Hengdu Electronics Co., Ltd.  
**Address** : DIP South Area, Huiao Highway, Huizhou, Guangdong, China

## 1.2 General Description of EUT (Equipment Under Test)

<b>EUT Name</b>	:	MID
<b>Models No.</b>	:	MID1008-L, DL1010Q, DL1008M
<b>Model Difference</b>	:	All the other models are identical in the same PCB layout, interior structure and electrical circuits, The only difference is model name for commercial purpose.
<b>Product Description</b>	:	Operation Frequency: 802.11b/g/n(HT20): 2412MHz~2462MHz 802.11b/g/n(HT40): 2422MHz~2452MHz
	Number of Channel:	802.11b/g/n(HT20):11 channels see note(3) 802.11b/g/n(HT40): 7 channels see note(3)
	RF Output Power:	802.11b: 9.56 dBm 802.11g: 9.46 dBm 802.11n (HT20): 9.45 dBm 802.11n (HT40): 9.56 dBm
	Antenna Gain:	0 dBi (FPC Antenna)
	Modulation Type:	802.11b: DSSS (CCK, QPSK, BPSK) 802.11g: OFDM 802.11n: OFDM
	Bit Rate of Transmitter:	802.11b:11/5.5/2/1 Mbps 802.11g:54/48/36/24/18/12/9/6 Mbps 802.11n:up to 150Mbps
	<b>Power Supply</b>	:
<b>Power Rating</b>	:	USB DC 5V form PC. AC/DC Adapter(TEKA012-0502000UK): Input: AC 100~240V 50/60Hz 0.35A Max. Output: DC 5V 2.0A DC 3.7V 5000mAh from Li-Polymer battery
<b>Connecting I/O Port(S)</b>	:	The equipent have USB port for link with PC, so the equipment is considered as a Computing Device Peripheral. Please refer to the User's Manual

**Note:**

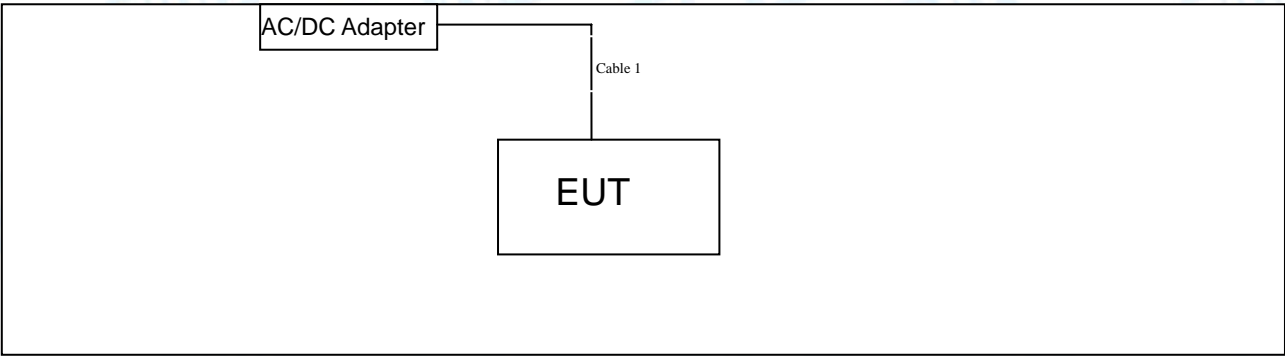
- (1) This Test Report is FCC Part 15.247 for 802.11b/g/n, the test procedure follows the FCC KDB 558074 D01 DTS Meas Guidance v03r03.
- (2) For a more detailed features description, please refer to the manufacturer’s specifications or the User’s Manual.
- (3) Antenna information provided by the applicant.
- (4) Channel List:

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
01	2412	05	2432	09	2452
02	2417	06	2437	10	2457
03	2422	07	2442	11	2462
04	2427	08	2447		

Note: CH 01~CH 11 for 802.11b/g/n(HT20)  
CH 03~CH 09 for 802.11n(HT40)

1.3 Block Diagram Showing the Configuration of System Tested

**TX Mode**



1.4 Description of Support Units

Equipment Information				
Name	Model	S/N	Manufacturer	Used “√”
/	/	/	/	/
Cable Information				
Number	Shielded Type	Ferrite Core	Length	Note
Cable 1	NO	NO	1.0M	Accessories

## 1.5 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 Conducted Test	
Final Test Mode	Description
Mode 1	AC Charging with TX B Mode

For Radiated Test	
Final Test Mode	Description
Mode 3	TX Mode B Mode Channel 01/06/11
Mode 4	TX Mode G Mode Channel 01/06/11
Mode 5	TX Mode N(HT20) Mode Channel 01/06/11
Mode 6	TX Mode N(HT40) Mode Channel 01/06/11

### Note:

- (1) 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.  
According to ANSI C63.10 standards, the measurements are performed at the highest, middle, lowest available channels, and the worst case data rate as follows:
  - 802.11b Mode: CCK (1 Mbps)
  - 802.11g Mode: OFDM (6 Mbps)
  - 802.11n (HT20) Mode: MCS 0 (6.5 Mbps)
  - 802.11n (HT40) Mode: MCS 0 (13 Mbps)
- (2) During the testing procedure, the continuously transmitting with the maximum power mode was programmed by the customer.
- (3) The EUT is considered a mobile unit; in normal use it was positioned on X-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.

## 1.6 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 WLAN.

Test Software Version	Test Program: Test Program: MTK Engineer Mode Open. apk		
Channel	CH 01	CH 06	CH 11
IEEE 802.11b DSSS	DEF	DEF	DEF
IEEE 802.11g OFDM	DEF	DEF	DEF
IEEE 802.11n (HT20)	DEF	DEF	DEF
Channel	CH 03	CH 06	CH 09
IEEE 802.11n (HT40)	DEF	DEF	DEF

### 1.7 Measurement Uncertainty

The reported uncertainty of measurement  $y \pm U$ , 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 %.

Test Item	Parameters	Expanded Uncertainty ( $U_{Lab}$ )
Conducted Emission	Level Accuracy: 9kHz~150kHz	$\pm 3.42$ dB
	150kHz to 30MHz	$\pm 3.42$ dB
Radiated Emission	Level Accuracy: 9kHz to 30 MHz	$\pm 4.60$ dB
Radiated Emission	Level Accuracy: 30MHz to 1000 MHz	$\pm 4.40$ dB
Radiated Emission	Level Accuracy: Above 1000MHz	$\pm 4.20$ dB

## 1.8 Test Facility

The testing report were performed by the Shenzhen Toby Technology Co., Ltd., in their facilities located at 1A/F., Bldg.6, Yusheng Industrial Zone, The National Road No.107 Xixiang Section 467, Xixiang, Bao'an, 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: 2005 General Requirements for the Competence of Testing and Calibration Laboratories for the competence in the field of testing. And the Registration No.: CNAS L5813.

### **FCC List No.: (811562)**

The Laboratory is listed in the United States of American Federal Communications Commission (FCC), and the registration number is 811562.

### **IC Registration No.: (11950A-1)**

The Laboratory has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing. The site registration: Site# 11950A-1.

May 22, 2014 certificated by TUV Rheinland(China) Co., Ltd. with TUV certificate No.: UA 50282953 0001 and report No.: 17026822 002. The certificate is valid until the next scheduled audit or up to 18 months, at the discretion of TUV Rhineland.

## 2. Test Summary

FCC Part 15 Subpart C(15.247)/ RSS 247 Issue 1				
Standard Section		Test Item	Judgment	Remark
FCC	IC			
15.203	/	Antenna Requirement	PASS	N/A
15.207	RSS-GEN 7.2.4	Conducted Emission	PASS	N/A Note(3)
15.205	RSS-GEN 7.2.2	Restricted Bands	PASS	N/A
15.247(a)(2)	RSS 247 5.2 (1)	6dB Bandwidth	PASS	N/A Note(3)
15.247(b)	RSS 247 5.4 (4)	Peak Output Power	PASS	N/A Note(3)
15.247(e)	RSS 247 5.2 (2)	Power Spectral Density	PASS	N/A Note(3)
15.247(d)	RSS 247 5.5	Transmitter Radiated Spurious Emission	PASS	N/A

Note (1): "/" for no requirement for this test item.  
 (2): N/A is an abbreviation for Not Applicable.  
 (3): This report is Class II change report for the original equipment have changed, the transmitter module itself has not changed. More information about the test data please refer to the original test report.



### 3. Test Equipment

Conducted Emission Test					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date
EMI Test Receiver	Rohde & Schwarz	ESCI	100321	Aug. 07, 2015	Aug. 06, 2016
RF Switching Unit	Compliance Direction Systems Inc	RSU-A4	34403	Aug. 07, 2015	Aug. 06, 2016
AMN	SCHWARZBECK	NNBL 8226-2	8226-2/164	Aug. 07, 2015	Aug. 06, 2016
LISN	Rohde & Schwarz	ENV216	101131	Aug. 07, 2015	Aug. 06, 2016
Radiation Emission Test					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date
Spectrum Analyzer	Agilent	E4407B	MY45106456	Sep. 01, 2014	Aug. 31, 2015
EMI Test Receiver	Rohde & Schwarz	ESCI	100010/007	Aug. 07, 2015	Aug. 06, 2016
Bilog Antenna	ETS-LINDGREN	3142E	00117537	Mar. 28, 2015	Mar. 27, 2016
Bilog Antenna	ETS-LINDGREN	3142E	00117542	Mar. 28, 2015	Mar. 27, 2016
Horn Antenna	ETS-LINDGREN	3117	00143207	Mar. 28, 2015	Mar. 27, 2016
Horn Antenna	ETS-LINDGREN	3117	00143209	Mar. 28, 2015	Mar. 27, 2016
Pre-amplifier	Sonoma	310N	185903	Mar. 28, 2015	Mar. 27, 2016
Pre-amplifier	HP	8447B	3008A00849	Mar. 28, 2015	Mar. 27, 2016
Cable	HUBER+SUHNER	100	SUCOFLEX	Mar. 28, 2015	Mar. 27, 2016
Positioning Controller	ETS-LINDGREN	2090	N/A	N/A	N/A

## 4. Conducted Emission Test

### 4.1 Test Standard and Limit

#### 4.1.1 Test Standard

FCC Part 15.207

#### 4.1.2 Test Limit

**Conducted Emission Test Limit**

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

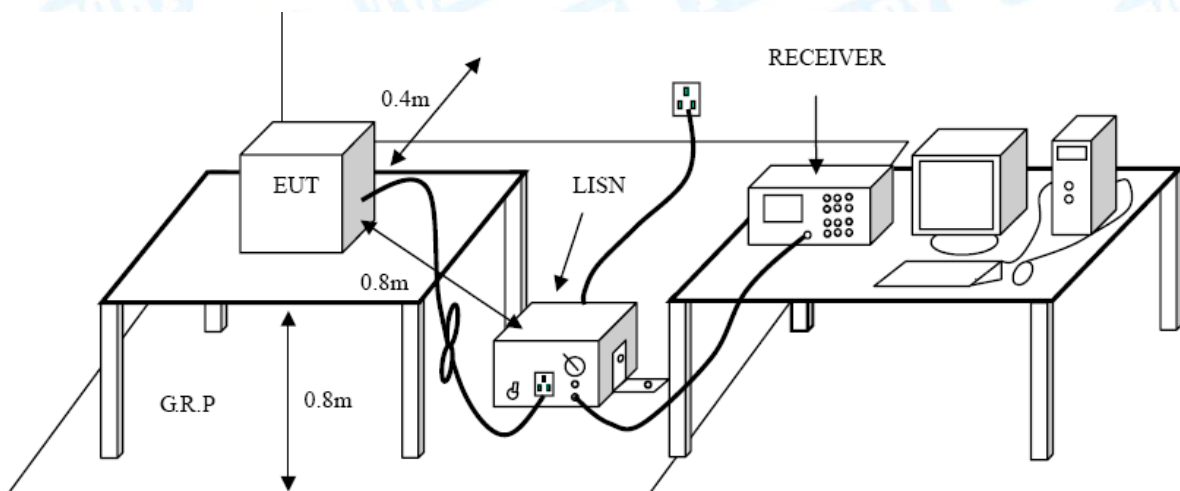
Notes:

(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 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.

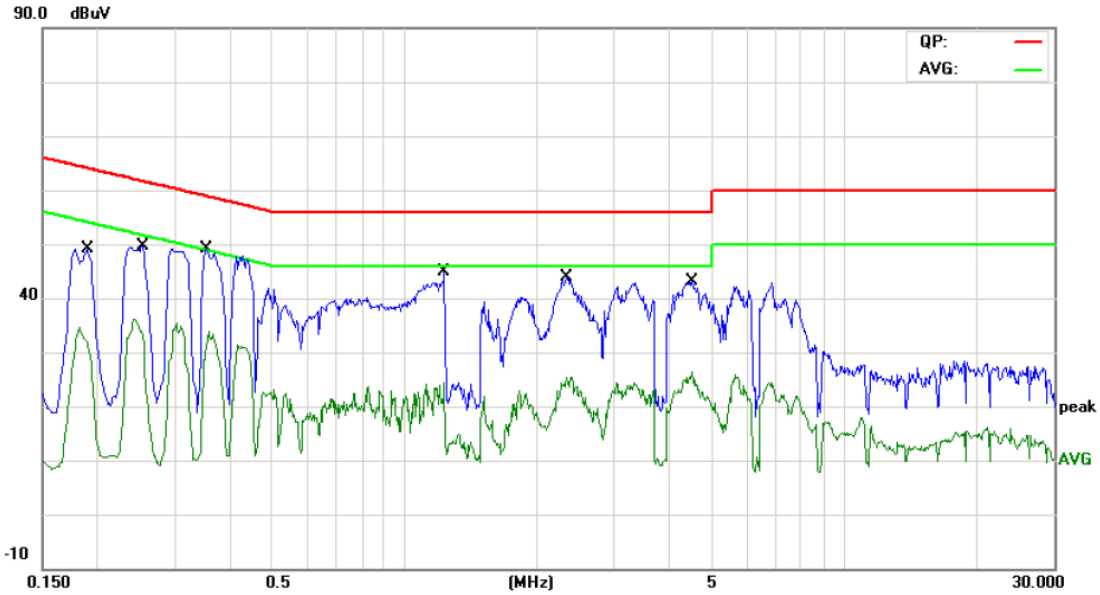
#### 4.4 EUT Operating Mode

Please refer to the description of test mode.

#### 4.5 Test Data

Please see the next page.

<b>EUT:</b>	MID	<b>Model Name :</b>	MID1008-L
<b>Temperature:</b>	25 °C	<b>Relative Humidity:</b>	55%
<b>Test Voltage:</b>	AC 240V/60 Hz		
<b>Terminal:</b>	Line		
<b>Test Mode:</b>	AC Charging with TX B Mode		
<b>Remark:</b>	Only worse case is reported		

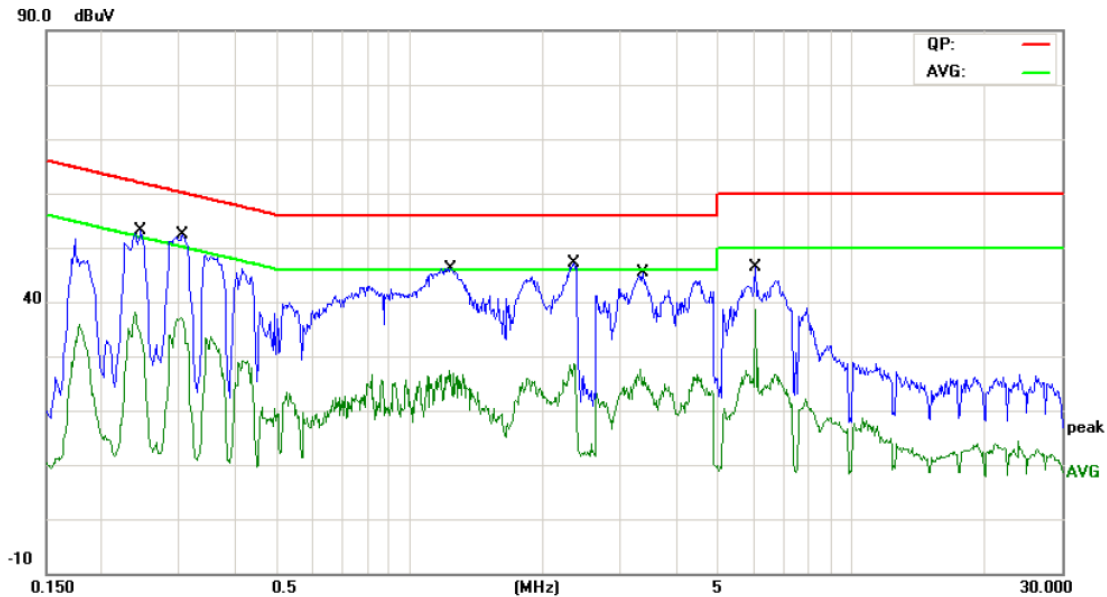


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector
1		0.1900	39.11	10.12	49.23	64.03	-14.80	QP
2		0.1900	21.29	10.12	31.41	54.03	-22.62	AVG
3		0.2540	39.58	10.10	49.68	61.62	-11.94	QP
4		0.2540	23.18	10.10	33.28	51.62	-18.34	AVG
5	*	0.3539	39.09	10.07	49.16	58.87	-9.71	QP
6		0.3539	20.97	10.07	31.04	48.87	-17.83	AVG
7		1.2338	34.73	10.14	44.87	56.00	-11.13	QP
8		1.2338	14.11	10.14	24.25	46.00	-21.75	AVG
9		2.3420	33.72	10.06	43.78	56.00	-12.22	QP
10		2.3420	15.29	10.06	25.35	46.00	-20.65	AVG
11		4.5019	33.02	10.06	43.08	56.00	-12.92	QP
12		4.5019	16.42	10.06	26.48	46.00	-19.52	AVG

\*:Maximum data    x:Over limit    !:over margin

**Emission Level= Read Level+ Correct Factor**

<b>EUT:</b>	MID	<b>Model Name :</b>	MID1008-L
<b>Temperature:</b>	25 °C	<b>Relative Humidity:</b>	55%
<b>Test Voltage:</b>	AC 240V/60 Hz		
<b>Terminal:</b>	Neutral		
<b>Test Mode:</b>	AC Charging with TX B Mode		
<b>Remark:</b>	Only worse case is reported		

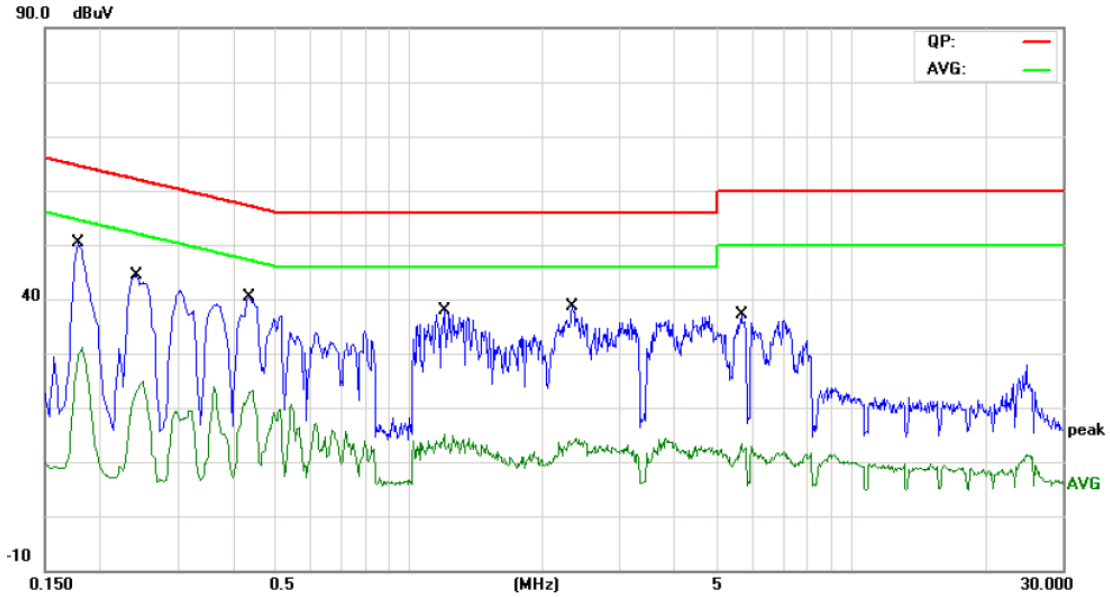


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector
1		0.2459	43.03	10.02	53.05	61.89	-8.84	QP
2		0.2459	23.64	10.02	33.66	51.89	-18.23	AVG
3	*	0.3059	42.31	10.02	52.33	60.08	-7.75	QP
4		0.3059	26.83	10.02	36.85	50.08	-13.23	AVG
5		1.2419	36.06	10.06	46.12	56.00	-9.88	QP
6		1.2419	16.11	10.06	26.17	46.00	-19.83	AVG
7		2.3580	37.18	10.05	47.23	56.00	-8.77	QP
8		2.3580	18.68	10.05	28.73	46.00	-17.27	AVG
9		3.3660	35.29	10.01	45.30	56.00	-10.70	QP
10		3.3660	14.57	10.01	24.58	46.00	-21.42	AVG
11		6.0658	36.25	10.01	46.26	60.00	-13.74	QP
12		6.0658	28.72	10.01	38.73	50.00	-11.27	AVG

\*:Maximum data    x:Over limit    !:over margin

**Emission Level= Read Level+ Correct Factor**

<b>EUT:</b>	MID	<b>Model Name :</b>	MID1008-L
<b>Temperature:</b>	25 °C	<b>Relative Humidity:</b>	55%
<b>Test Voltage:</b>	AC 120V/60 Hz		
<b>Terminal:</b>	Line		
<b>Test Mode:</b>	AC Charging with TX B Mode		
<b>Remark:</b>	Only worse case is reported		

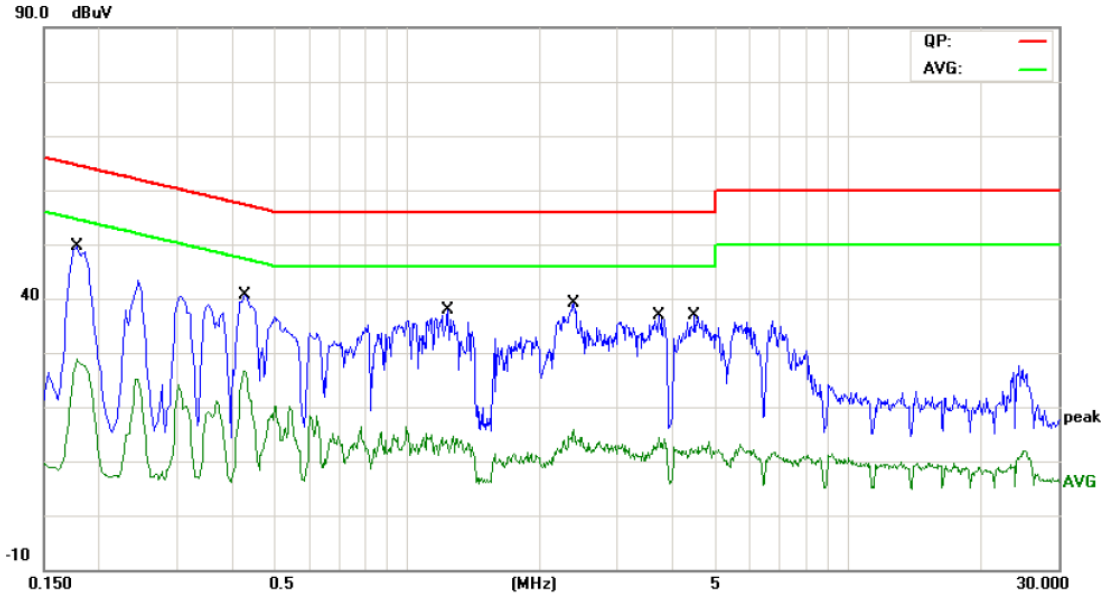


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector
1	*	0.1780	34.53	9.98	44.51	64.57	-20.06	QP
2		0.1780	14.84	9.98	24.82	54.57	-29.75	AVG
3		0.2420	29.04	10.02	39.06	62.02	-22.96	QP
4		0.2420	12.63	10.02	22.65	52.02	-29.37	AVG
5		0.4340	26.89	10.02	36.91	57.18	-20.27	QP
6		0.4340	12.11	10.02	22.13	47.18	-25.05	AVG
7		1.2020	17.87	10.06	27.93	56.00	-28.07	QP
8		1.2020	0.23	10.06	10.29	46.00	-35.71	AVG
9		2.3340	20.33	10.05	30.38	56.00	-25.62	QP
10		2.3340	2.31	10.05	12.36	46.00	-33.64	AVG
11		5.6380	16.57	9.99	26.56	60.00	-33.44	QP
12		5.6380	1.00	9.99	10.99	50.00	-39.01	AVG

\*:Maximum data    x:Over limit    !:over margin

**Emission Level= Read Level+ Correct Factor**

<b>EUT:</b>	MID	<b>Model Name :</b>	MID1008-L
<b>Temperature:</b>	25 °C	<b>Relative Humidity:</b>	55%
<b>Test Voltage:</b>	AC 120V/60 Hz		
<b>Terminal:</b>	Neutral		
<b>Test Mode:</b>	AC Charging with TX B Mode		
<b>Remark:</b>	Only worse case is reported		



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector
1	*	0.1780	34.56	9.98	44.54	64.57	-20.03	QP
2		0.1780	14.34	9.98	24.32	54.57	-30.25	AVG
3		0.4300	27.09	10.02	37.11	57.25	-20.14	QP
4		0.4300	12.86	10.02	22.88	47.25	-24.37	AVG
5		1.2380	19.25	10.06	29.31	56.00	-26.69	QP
6		1.2380	1.61	10.06	11.67	46.00	-34.33	AVG
7		2.3860	21.23	10.05	31.28	56.00	-24.72	QP
8		2.3860	3.09	10.05	13.14	46.00	-32.86	AVG
9		3.7380	16.77	10.00	26.77	56.00	-29.23	QP
10		3.7380	-0.08	10.00	9.92	46.00	-36.08	AVG
11		4.4860	16.51	9.98	26.49	56.00	-29.51	QP
12		4.4860	0.27	9.98	10.25	46.00	-35.75	AVG

\*:Maximum data    x:Over limit    !:over margin

**Emission Level= Read Level+ Correct Factor**

## 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 Limits (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)**

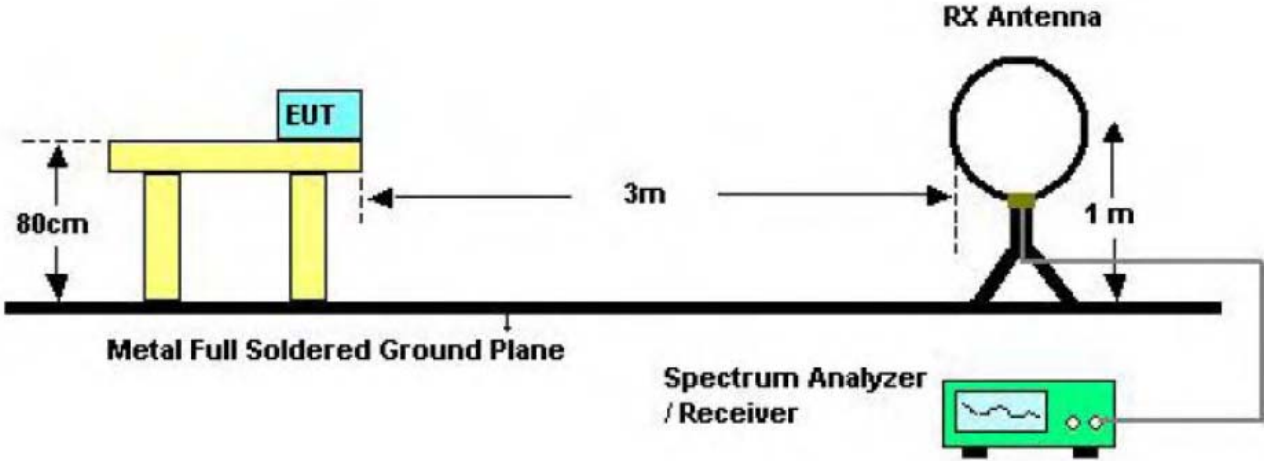
Frequency (MHz)	Class A (dBuV/m)(at 3 M)		Class B (dBuV/m)(at 3 M)	
	Peak	Average	Peak	Average
Above 1000	80	60	74	54

**Note:**

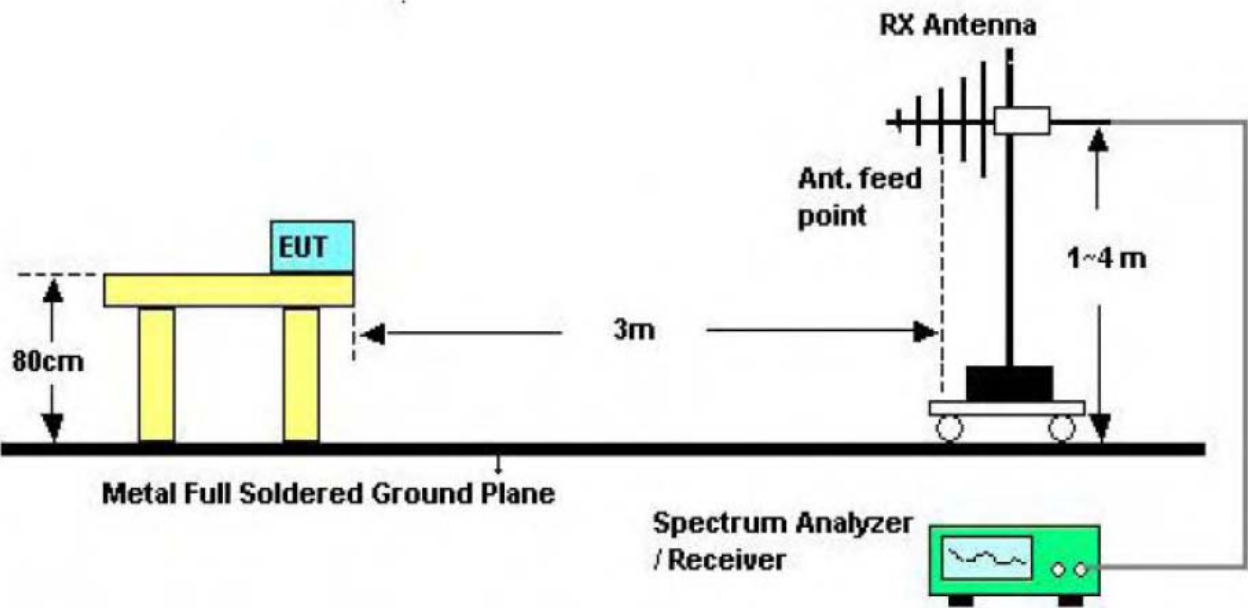
- (1) The tighter limit applies at the band edges.
- (2) Emission Level(dBuV/m)=20log Emission Level(uV/m)



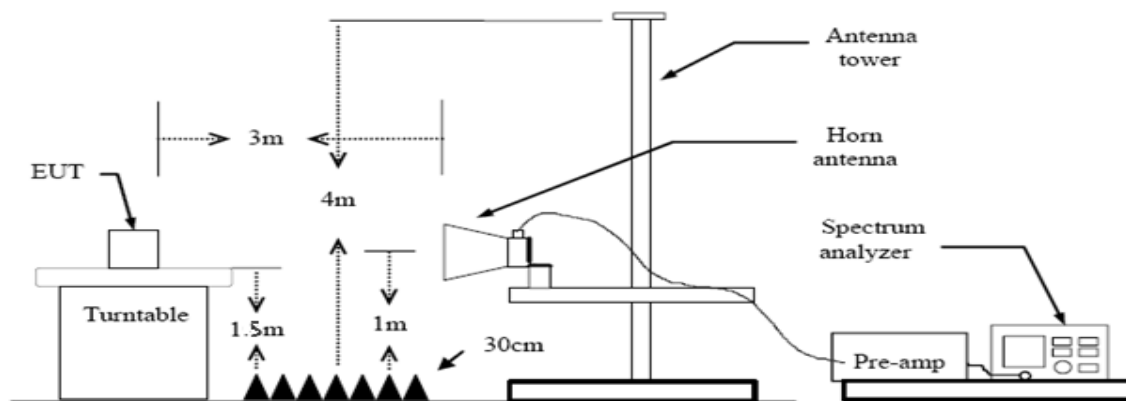
5.2 Test Setup



Below 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. The EUT was placed on a rotating 0.8m high above the 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

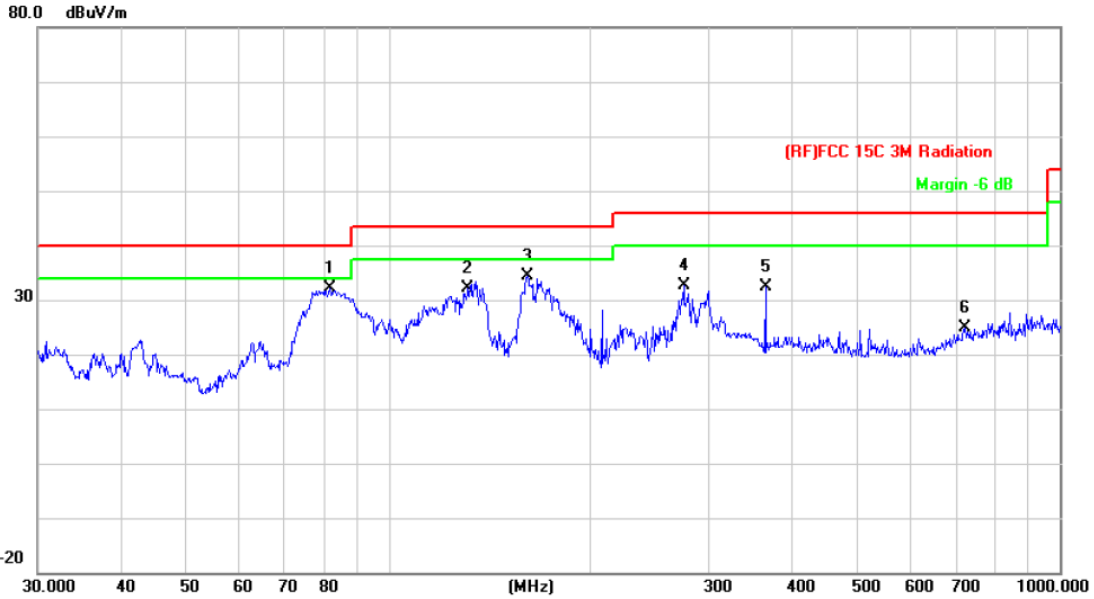
The Equipment Under Test was set to Continual Transmitting in maximum power.

## 5.5 Test Data

Remark: During testing 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.

Test data please refer the following pages.

<b>EUT:</b>	MID	<b>Model:</b>	MID1008-L
<b>Temperature:</b>	25 °C	<b>Relative Humidity:</b>	55%
<b>Test Voltage:</b>	AC 120V/60 Hz		
<b>Ant. Pol.</b>	Horizontal		
<b>Test Mode:</b>	TX B Mode 2412MHz		
<b>Remark:</b>	Only worse case is reported		

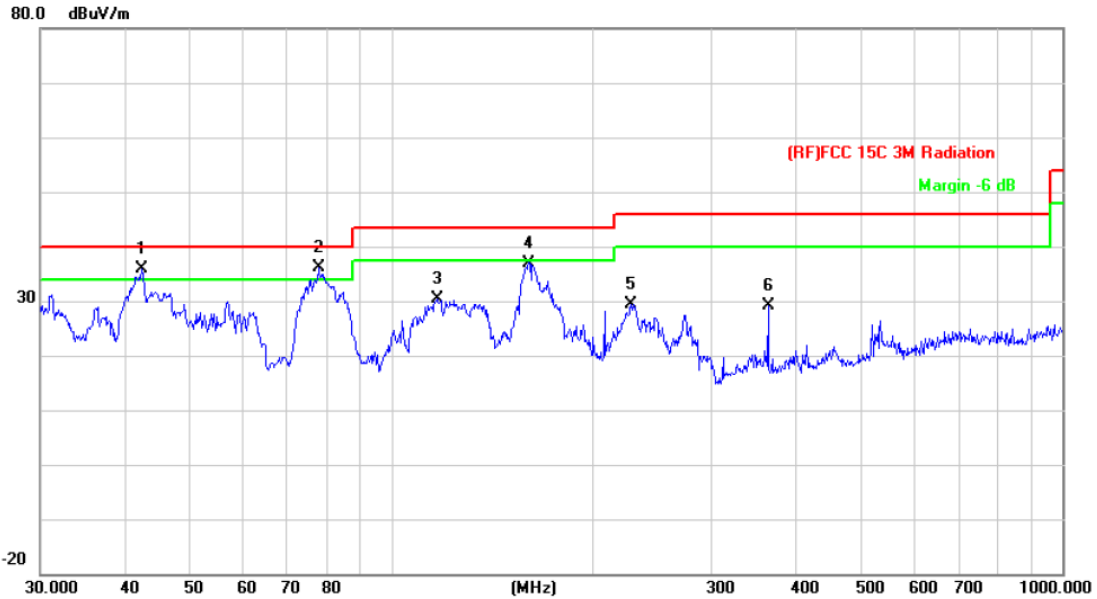


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1	*	81.7831	55.19	-23.18	32.01	40.00	-7.99	peak
2		131.2965	54.26	-22.15	32.11	43.50	-11.39	peak
3		160.9088	54.96	-20.57	34.39	43.50	-9.11	peak
4		275.1569	50.08	-17.57	32.51	46.00	-13.49	peak
5		364.2595	46.91	-14.52	32.39	46.00	-13.61	peak
6		721.7259	32.10	-7.10	25.00	46.00	-21.00	peak

\*:Maximum data    x:Over limit    !:over margin

**Emission Level= Read Level+ Correct Factor**

<b>EUT:</b>	MID	<b>Model:</b>	MID1008-L
<b>Temperature:</b>	25 °C	<b>Relative Humidity:</b>	55%
<b>Test Voltage:</b>	AC 120V/60 Hz		
<b>Ant. Pol.</b>	Vertical		
<b>Test Mode:</b>	TX B Mode 2412MHz		
<b>Remark:</b>	Only worse case is reported		

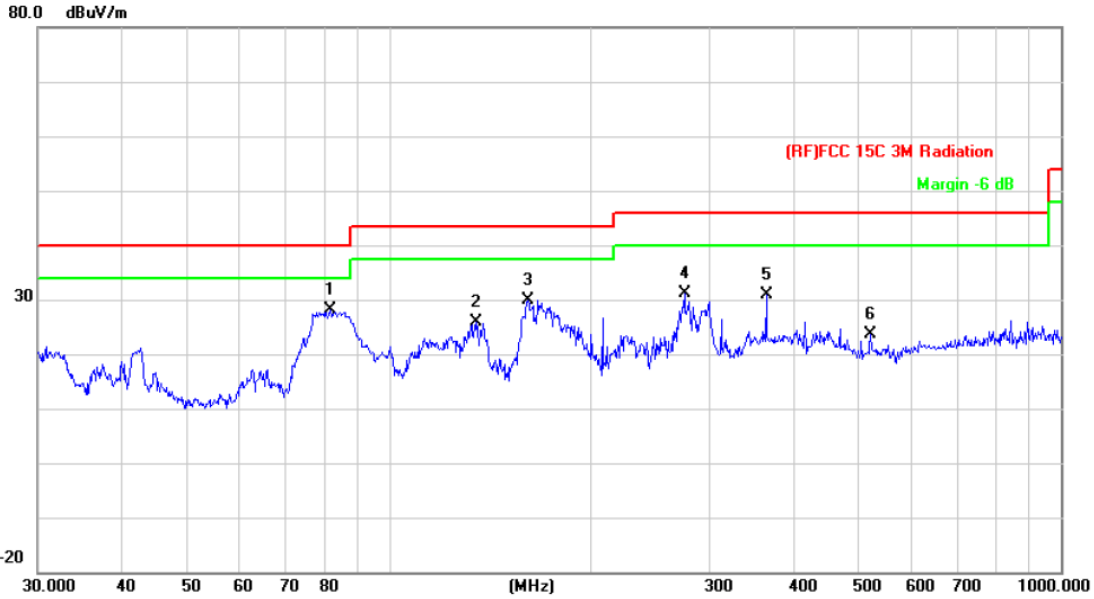


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1	!	42.4508	57.17	-21.19	35.98	40.00	-4.02	peak
2	*	77.8653	59.51	-23.35	36.16	40.00	-3.84	peak
3		116.9495	52.78	-22.32	30.46	43.50	-13.04	peak
4		160.3454	57.53	-20.53	37.00	43.50	-6.50	peak
5		227.6904	48.56	-19.18	29.38	46.00	-16.62	peak
6		364.2595	43.58	-14.52	29.06	46.00	-16.94	peak

\*:Maximum data    x:Over limit    !:over margin

**Emission Level= Read Level+ Correct Factor**

<b>EUT:</b>	MID	<b>Model:</b>	MID1008-L
<b>Temperature:</b>	25 °C	<b>Relative Humidity:</b>	55%
<b>Test Voltage:</b>	AC 120V/60 Hz		
<b>Ant. Pol.</b>	Horizontal		
<b>Test Mode:</b>	TX B Mode 2437MHz		
<b>Remark:</b>	Only worse case is reported		

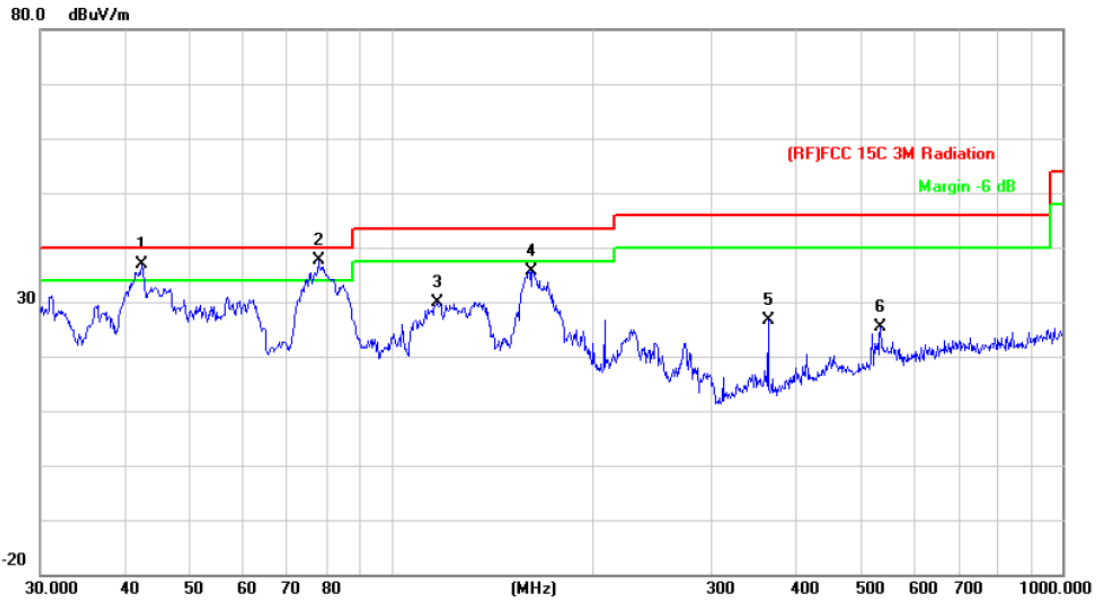


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1	*	81.7831	51.19	-23.18	28.01	40.00	-11.99	peak
2		135.0319	47.91	-22.08	25.83	43.50	-17.67	peak
3		160.9088	50.46	-20.57	29.89	43.50	-13.61	peak
4		275.1569	48.58	-17.57	31.01	46.00	-14.99	peak
5		364.2595	45.41	-14.52	30.89	46.00	-15.11	peak
6		520.8881	33.98	-10.40	23.58	46.00	-22.42	peak

\*:Maximum data    x:Over limit    !:over margin

**Emission Level= Read Level+ Correct Factor**

<b>EUT:</b>	MID	<b>Model:</b>	MID1008-L
<b>Temperature:</b>	25 °C	<b>Relative Humidity:</b>	55%
<b>Test Voltage:</b>	AC 120V/60 Hz		
<b>Ant. Pol.</b>	Horizontal		
<b>Test Mode:</b>	TX B Mode 2437MHz		
<b>Remark:</b>	Only worse case is reported		

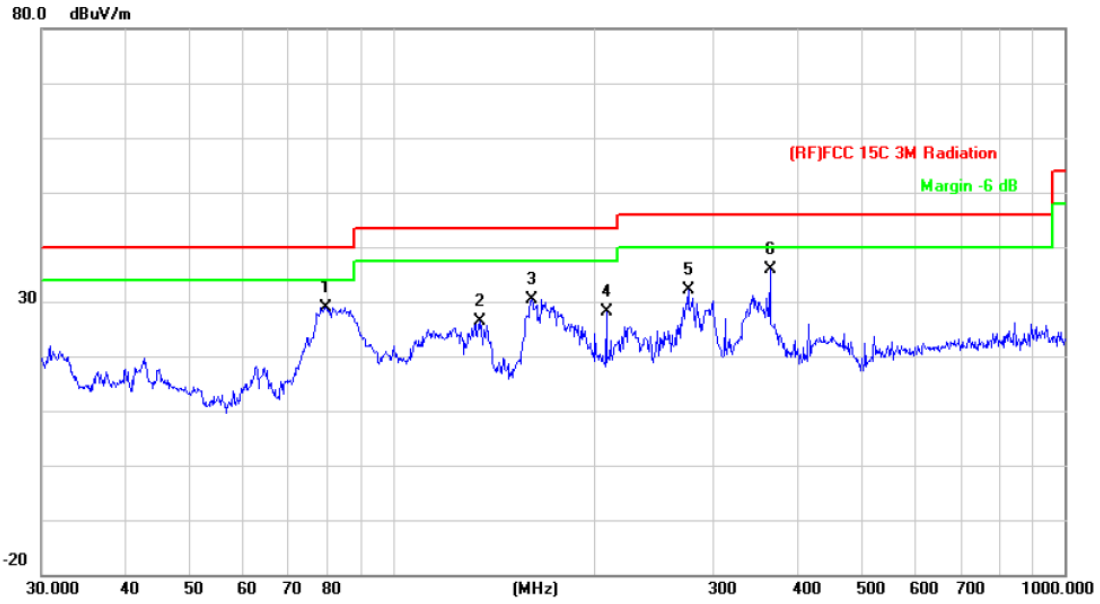


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	!	42.4508	58.17	-21.19	36.98	40.00	-3.02	peak
2	*	77.8653	61.01	-23.35	37.66	40.00	-2.34	peak
3		116.9495	52.28	-22.32	29.96	43.50	-13.54	peak
4		162.0414	56.19	-20.65	35.54	43.50	-7.96	peak
5		364.2595	41.08	-14.52	26.56	46.00	-19.44	peak
6		535.7073	35.54	-10.13	25.41	46.00	-20.59	peak

\*:Maximum data    x:Over limit    !:over margin

**Emission Level= Read Level+ Correct Factor**

<b>EUT:</b>	MID	<b>Model:</b>	MID1008-L
<b>Temperature:</b>	25 °C	<b>Relative Humidity:</b>	55%
<b>Test Voltage:</b>	AC 120V/60 Hz		
<b>Ant. Pol.</b>	Horizontal		
<b>Test Mode:</b>	TX B Mode 2462MHz		
<b>Remark:</b>	Only worse case is reported		



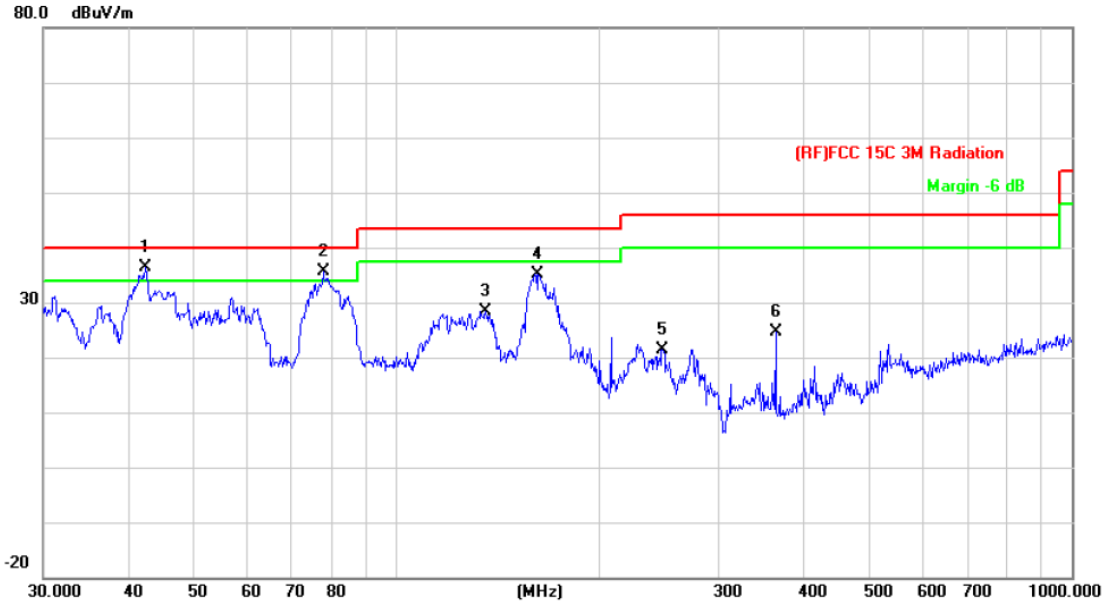
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		79.5207	52.23	-23.30	28.93	40.00	-11.07	peak
2		135.0319	48.41	-22.08	26.33	43.50	-17.17	peak
3		160.9088	50.96	-20.57	30.39	43.50	-13.11	peak
4		207.8498	48.23	-20.05	28.18	43.50	-15.32	peak
5		275.1569	49.58	-17.57	32.01	46.00	-13.99	peak
6	*	364.2595	50.41	-14.52	35.89	46.00	-10.11	peak

\*:Maximum data    x:Over limit    !:over margin

**Emission Level= Read Level+ Correct Factor**



<b>EUT:</b>	MID	<b>Model:</b>	MID1008-L
<b>Temperature:</b>	25 °C	<b>Relative Humidity:</b>	55%
<b>Test Voltage:</b>	AC 120V/60 Hz		
<b>Ant. Pol.</b>	Horizontal		
<b>Test Mode:</b>	TX B Mode 2462MHz		
<b>Remark:</b>	Only worse case is reported		

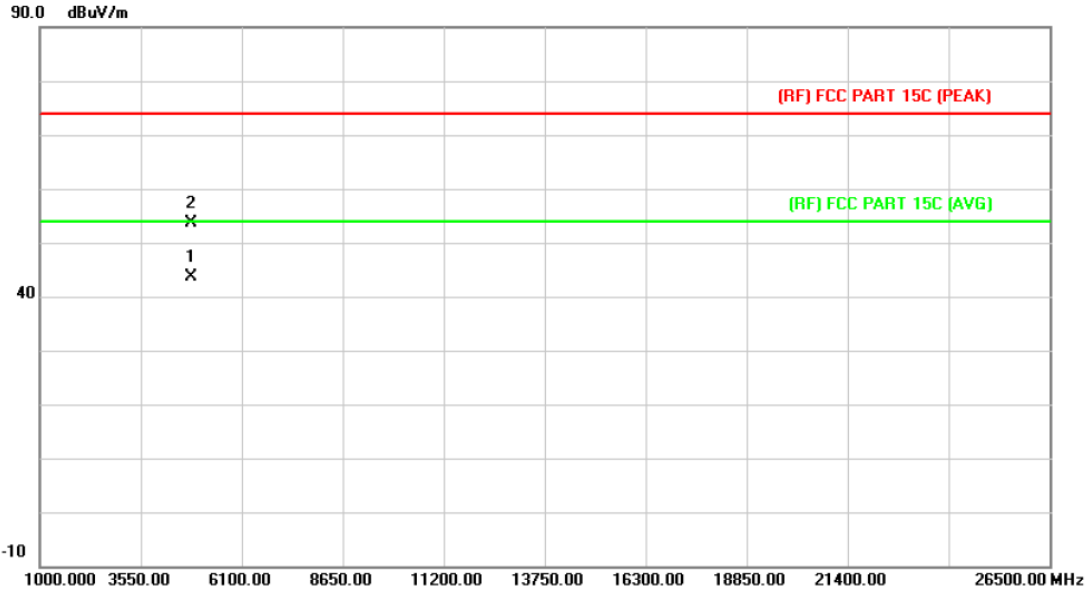


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1	*	42.4508	57.67	-21.19	36.48	40.00	-3.52	peak
2	!	77.8653	59.01	-23.35	35.66	40.00	-4.34	peak
3		135.5062	50.49	-22.07	28.42	43.50	-15.08	peak
4		162.0414	55.69	-20.65	35.04	43.50	-8.46	peak
5		247.6819	39.72	-18.23	21.49	46.00	-24.51	peak
6		364.2595	39.08	-14.52	24.56	46.00	-21.44	peak

\*:Maximum data    x:Over limit    !:over margin

**Emission Level= Read Level+ Correct Factor**

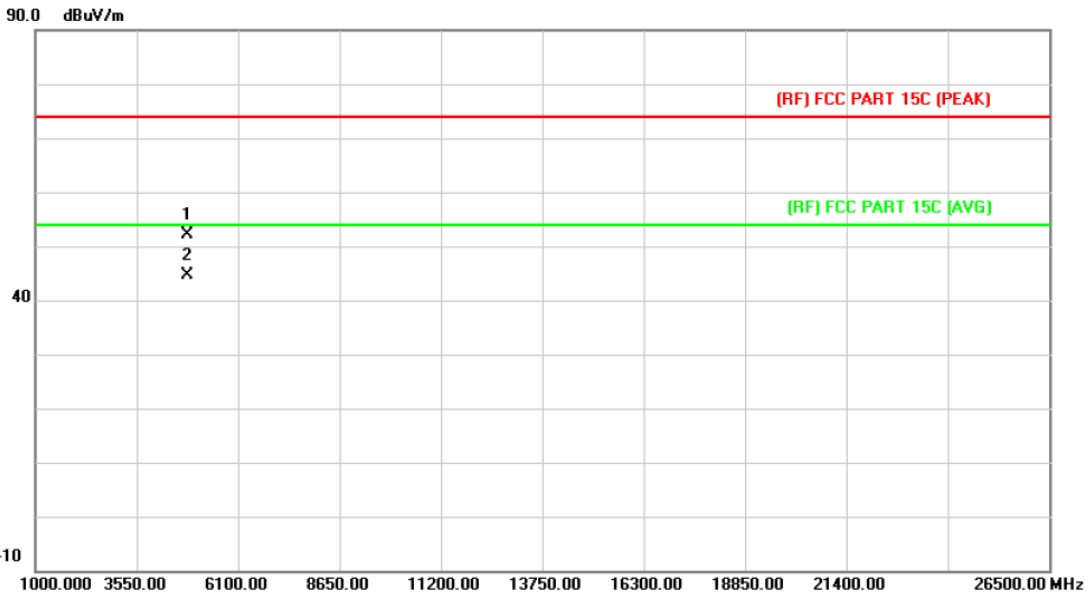
<b>EUT:</b>	MID	<b>Model:</b>	MID1008-L
<b>Temperature:</b>	25 °C	<b>Relative Humidity:</b>	55%
<b>Test Voltage:</b>	AC 120V/60 Hz		
<b>Ant. Pol.</b>	Horizontal		
<b>Test Mode:</b>	TX B Mode 2412MHz		
<b>Remark:</b>	No report for the emission which more than 10 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4824.354	30.12	13.56	43.68	54.00	-10.32	AVG
2		4824.652	40.12	13.56	53.68	74.00	-20.32	peak

Emission Level= Read Level+ Correct Factor

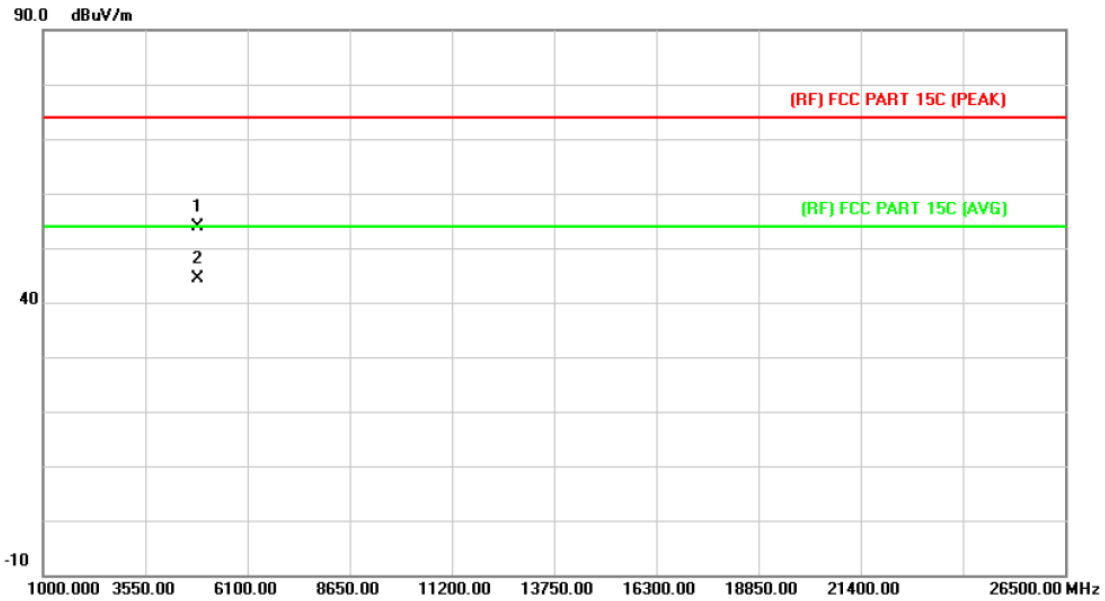
<b>EUT:</b>	MID	<b>Model:</b>	MID1008-L
<b>Temperature:</b>	25 °C	<b>Relative Humidity:</b>	55%
<b>Test Voltage:</b>	AC 120V/60 Hz		
<b>Ant. Pol.</b>	Vertical		
<b>Test Mode:</b>	TX B Mode 2412MHz		
<b>Remark:</b>	No report for the emission which more than 10 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1		4824.364	38.46	13.56	52.02	74.00	-21.98	peak
2	*	4824.368	31.12	13.56	44.68	54.00	-9.32	AVG

Emission Level= Read Level+ Correct Factor

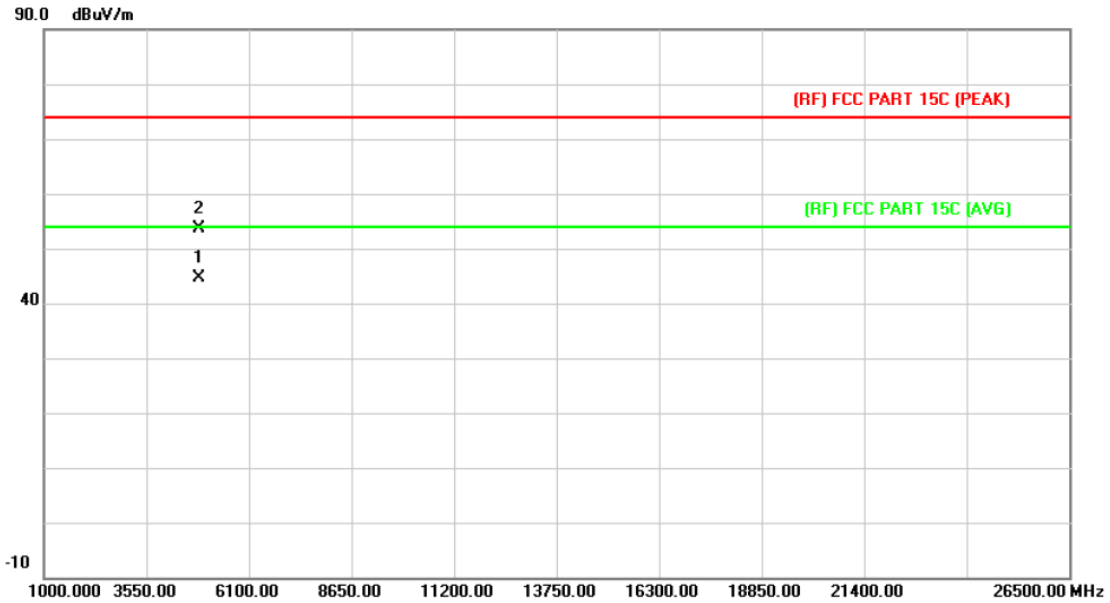
<b>EUT:</b>	MID	<b>Model:</b>	MID1008-L
<b>Temperature:</b>	25 °C	<b>Relative Humidity:</b>	55%
<b>Test Voltage:</b>	AC 120V/60 Hz		
<b>Ant. Pol.</b>	Horizontal		
<b>Test Mode:</b>	TX B Mode 2437MHz		
<b>Remark:</b>	No report for the emission which more than 10 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1		4873.879	40.12	13.86	53.98	74.00	-20.02	peak
2	*	4873.987	30.45	13.86	44.31	54.00	-9.69	AVG

Emission Level= Read Level+ Correct Factor

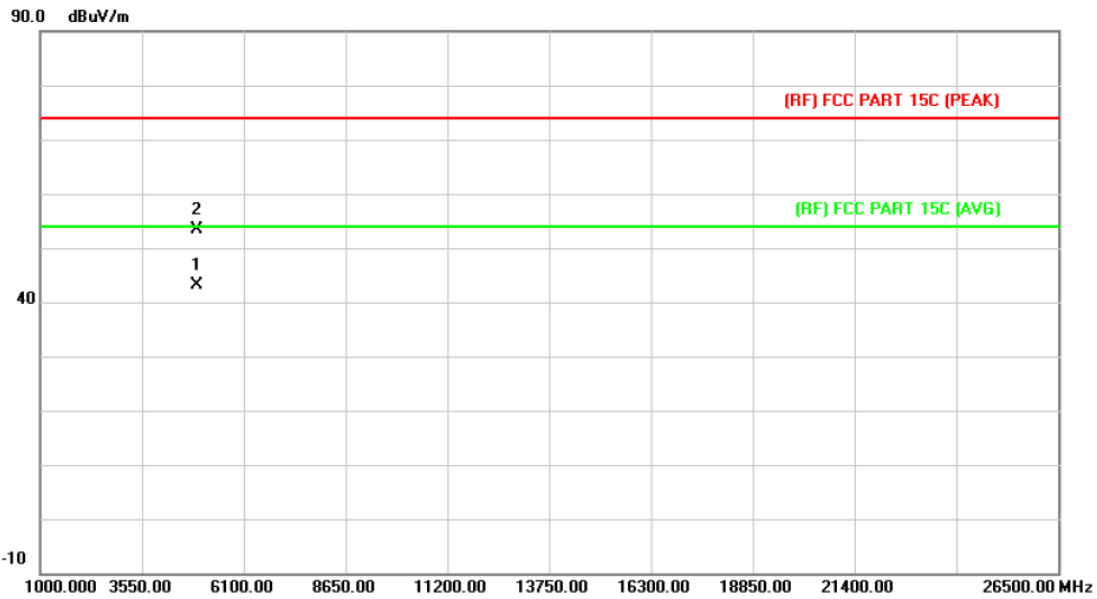
<b>EUT:</b>	MID	<b>Model:</b>	MID1008-L
<b>Temperature:</b>	25 °C	<b>Relative Humidity:</b>	55%
<b>Test Voltage:</b>	AC 120V/60 Hz		
<b>Ant. Pol.</b>	Vertical		
<b>Test Mode:</b>	TX B Mode 2437MHz		
<b>Remark:</b>	No report for the emission which more than 10 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detecto
1	*	4874.325	30.71	13.86	44.57	54.00	-9.43	AVG
2		4874.354	39.82	13.86	53.68	74.00	-20.32	peak

Emission Level= Read Level+ Correct Factor

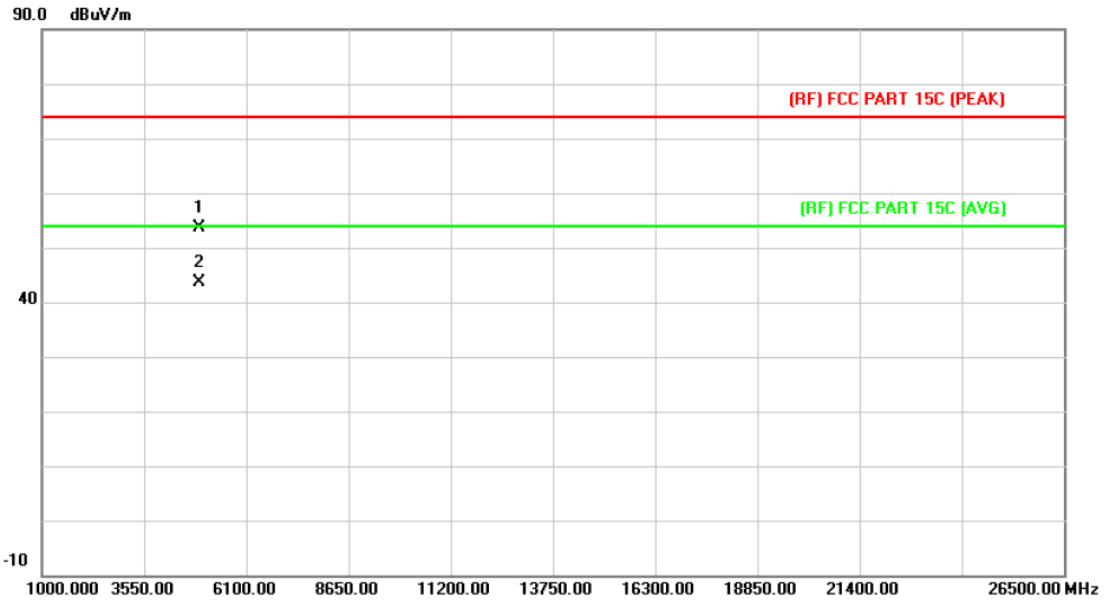
<b>EUT:</b>	MID	<b>Model:</b>	MID1008-L
<b>Temperature:</b>	25 °C	<b>Relative Humidity:</b>	55%
<b>Test Voltage:</b>	AC 120V/60 Hz		
<b>Ant. Pol.</b>	Horizontal		
<b>Test Mode:</b>	TX B Mode 2462MHz		
<b>Remark:</b>	No report for the emission which more than 10 dB below the prescribed limit.		



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1	*	4923.574	29.10	14.15	43.25	54.00	-10.75	AVG
2		4923.654	39.28	14.15	53.43	74.00	-20.57	peak

Emission Level= Read Level+ Correct Factor

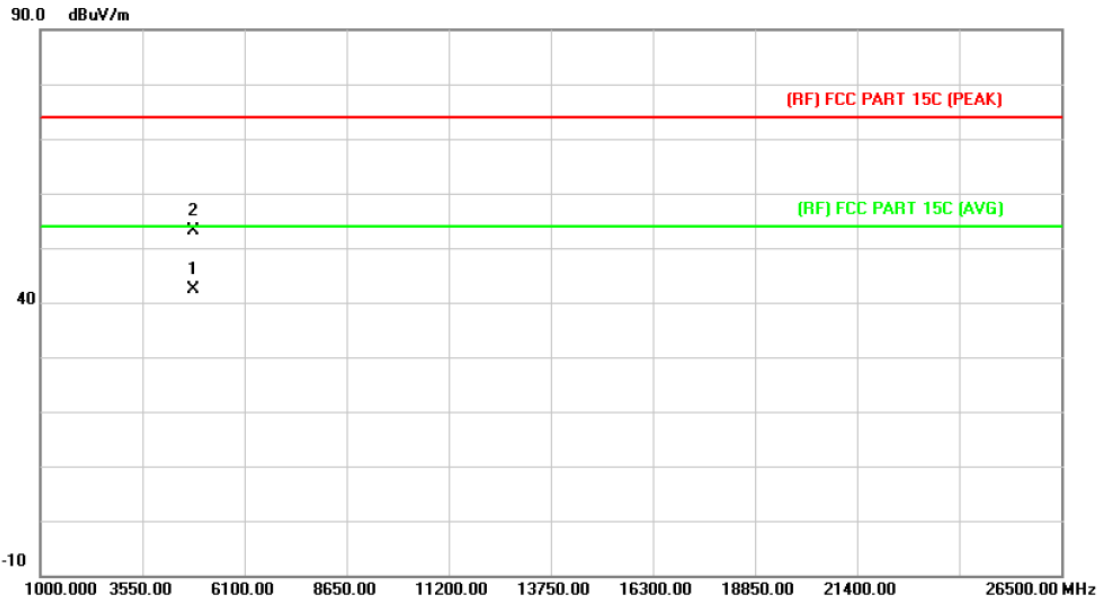
<b>EUT:</b>	MID	<b>Model:</b>	MID1008-L
<b>Temperature:</b>	25 °C	<b>Relative Humidity:</b>	55%
<b>Test Voltage:</b>	AC 120V/60 Hz		
<b>Ant. Pol.</b>	Vertical		
<b>Test Mode:</b>	TX B Mode 2462MHz		
<b>Remark:</b>	No report for the emission which more than 10 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4923.677	39.53	14.15	53.68	74.00	-20.32	peak
2	*	4923.687	29.53	14.15	43.68	54.00	-10.32	AVG

Emission Level= Read Level+ Correct Factor

<b>EUT:</b>	MID	<b>Model:</b>	MID1008-L
<b>Temperature:</b>	25 °C	<b>Relative Humidity:</b>	55%
<b>Test Voltage:</b>	AC 120V/60 Hz		
<b>Ant. Pol.</b>	Horizontal		
<b>Test Mode:</b>	TX G Mode 2412MHz		
<b>Remark:</b>	No report for the emission which more than 10 dB below the prescribed limit.		

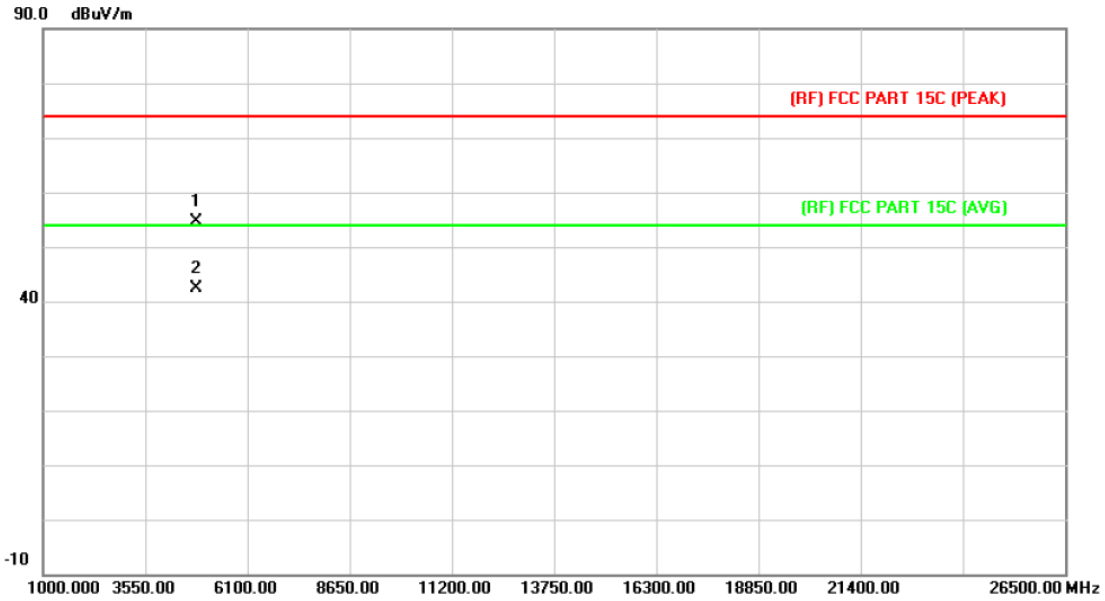


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	*	4823.697	28.79	13.56	42.35	54.00	-11.65	AVG
2		4823.941	39.68	13.56	53.24	74.00	-20.76	peak

Emission Level= Read Level+ Correct Factor



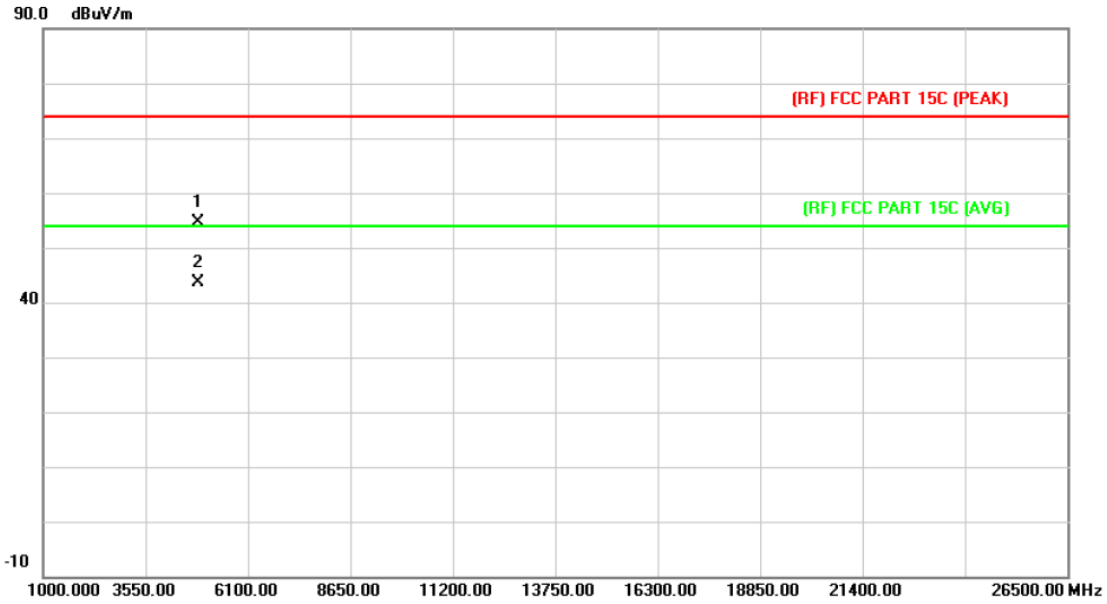
<b>EUT:</b>	MID	<b>Model:</b>	MID1008-L
<b>Temperature:</b>	25 °C	<b>Relative Humidity:</b>	55%
<b>Test Voltage:</b>	AC 120V/60 Hz		
<b>Ant. Pol.</b>	Vertical		
<b>Test Mode:</b>	TX G Mode 2412MHz		
<b>Remark:</b>	No report for the emission which more than 10 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1		4823.271	41.11	13.56	54.67	74.00	-19.33	peak
2	*	4823.612	28.79	13.56	42.35	54.00	-11.65	AVG

Emission Level= Read Level+ Correct Factor

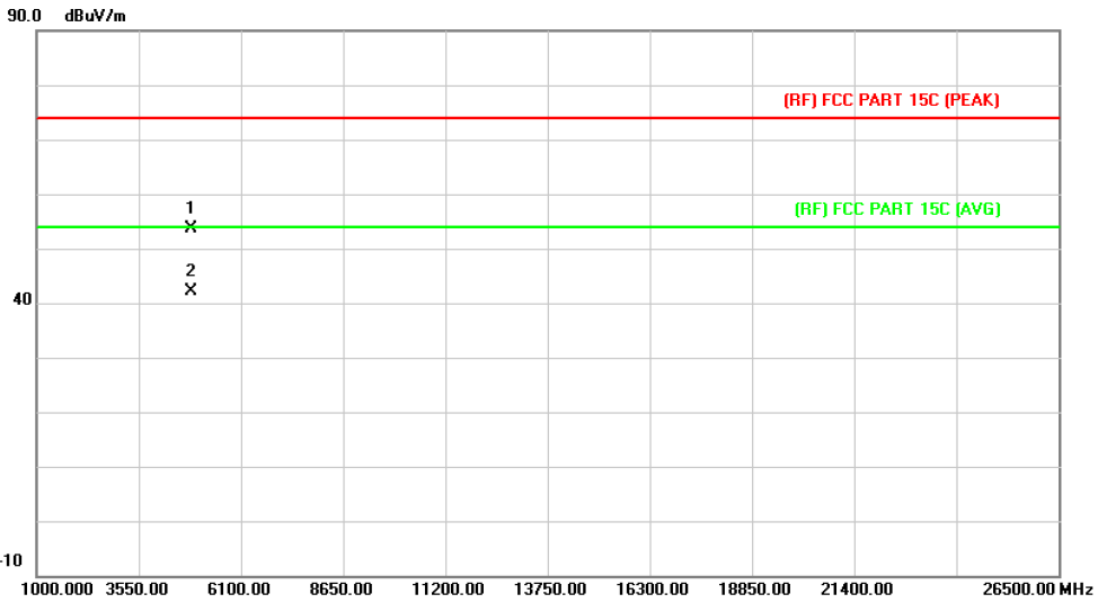
<b>EUT:</b>	MID	<b>Model:</b>	MID1008-L
<b>Temperature:</b>	25 °C	<b>Relative Humidity:</b>	55%
<b>Test Voltage:</b>	AC 120V/60 Hz		
<b>Ant. Pol.</b>	Horizontal		
<b>Test Mode:</b>	TX G Mode 2437MHz		
<b>Remark:</b>	No report for the emission which more than 10 dB below the prescribed limit.		



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		4873.193	40.81	13.86	54.67	74.00	-19.33	peak
2	*	4873.671	29.79	13.86	43.65	54.00	-10.35	AVG

Emission Level= Read Level+ Correct Factor

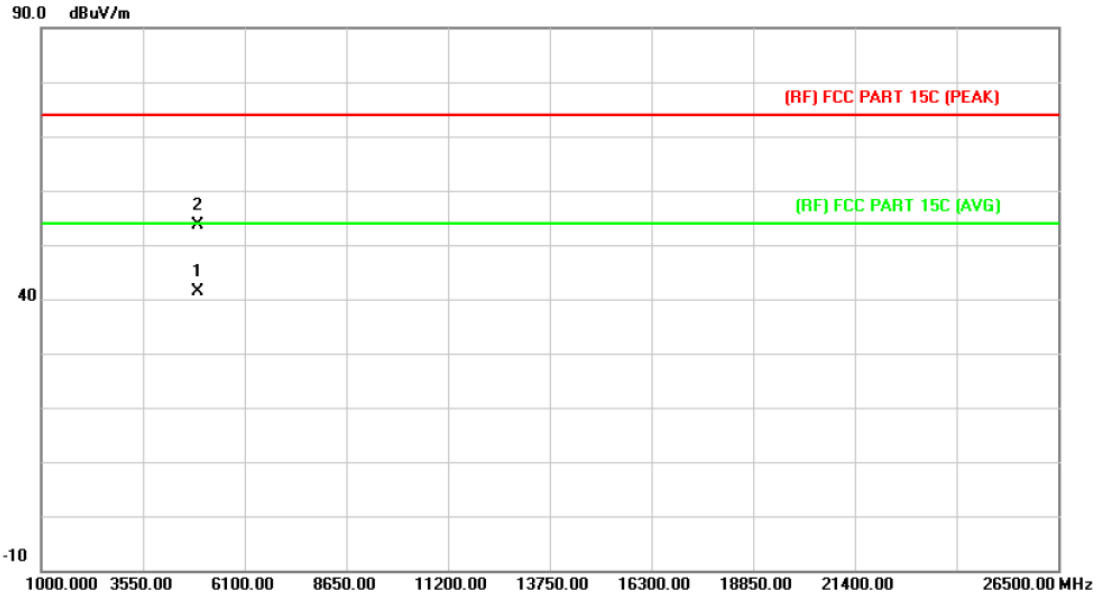
<b>EUT:</b>	MID	<b>Model:</b>	MID1008-L
<b>Temperature:</b>	25 °C	<b>Relative Humidity:</b>	55%
<b>Test Voltage:</b>	AC 120V/60 Hz		
<b>Ant. Pol.</b>	Vertical		
<b>Test Mode:</b>	TX G Mode 2437MHz		
<b>Remark:</b>	No report for the emission which more than 10 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4873.674	39.82	13.86	53.68	74.00	-20.32	peak
2	*	4873.687	28.15	13.86	42.01	54.00	-11.99	AVG

Emission Level= Read Level+ Correct Factor

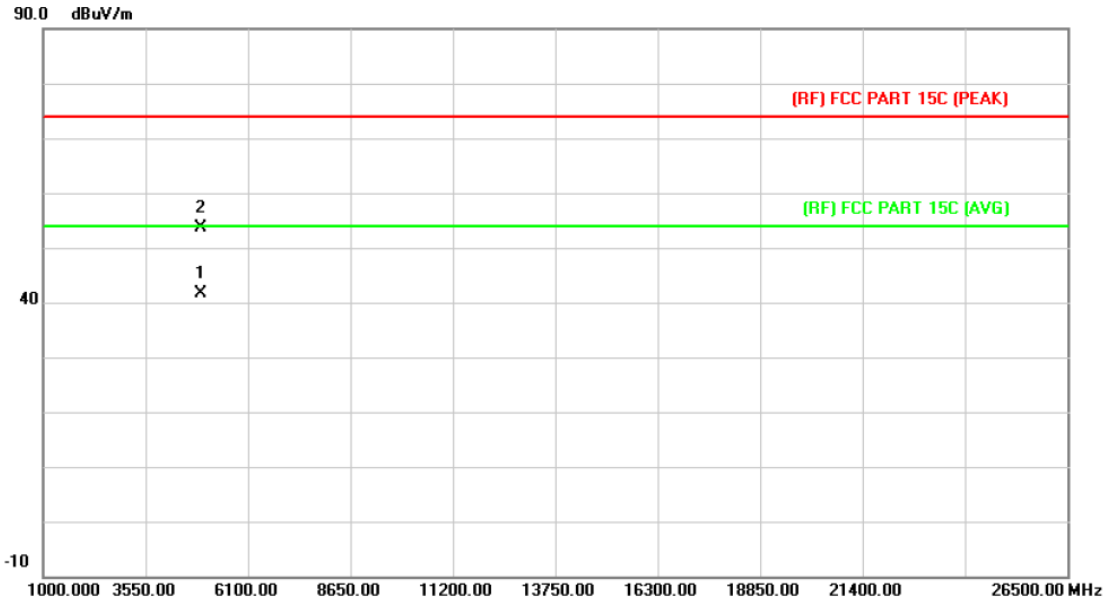
<b>EUT:</b>	MID	<b>Model:</b>	MID1008-L
<b>Temperature:</b>	25 °C	<b>Relative Humidity:</b>	55%
<b>Test Voltage:</b>	AC 120V/60 Hz		
<b>Ant. Pol.</b>	Horizontal		
<b>Test Mode:</b>	TX G Mode 2462MHz		
<b>Remark:</b>	No report for the emission which more than 10 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	*	4923.428	27.20	14.15	41.35	54.00	-12.65	AVG
2		4923.670	39.59	14.15	53.74	74.00	-20.26	peak

Emission Level= Read Level+ Correct Factor

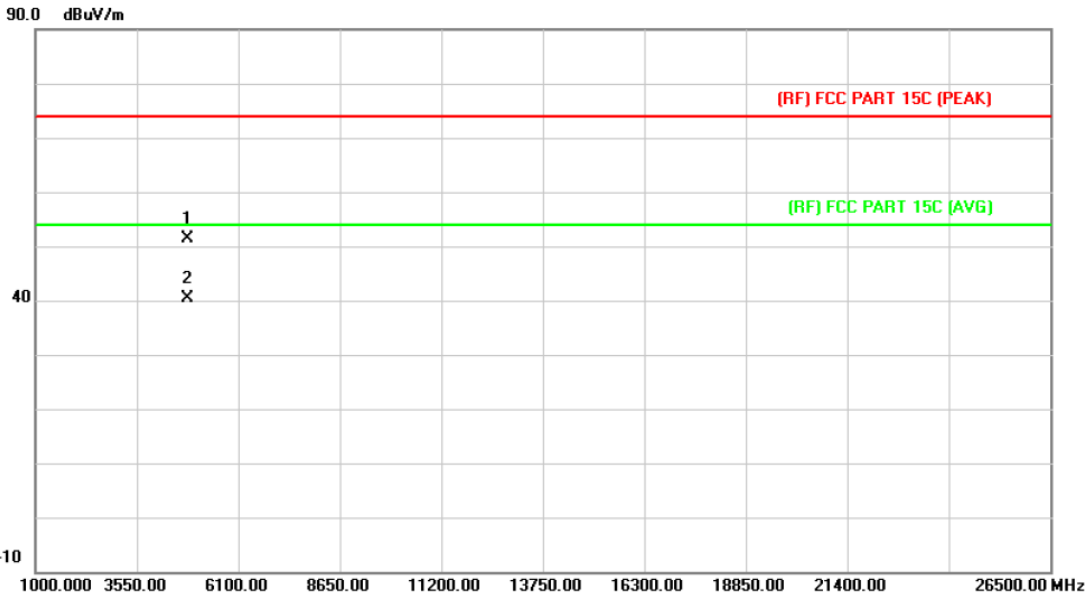
<b>EUT:</b>	MID	<b>Model:</b>	MID1008-L
<b>Temperature:</b>	25 °C	<b>Relative Humidity:</b>	55%
<b>Test Voltage:</b>	AC 120V/60 Hz		
<b>Ant. Pol.</b>	Vertical		
<b>Test Mode:</b>	TX G Mode 2462MHz		
<b>Remark:</b>	No report for the emission which more than 10 dB below the prescribed limit.		



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1	*	4923.126	27.52	14.15	41.67	54.00	-12.33	AVG
2		4923.148	39.52	14.15	53.67	74.00	-20.33	peak

Emission Level= Read Level+ Correct Factor

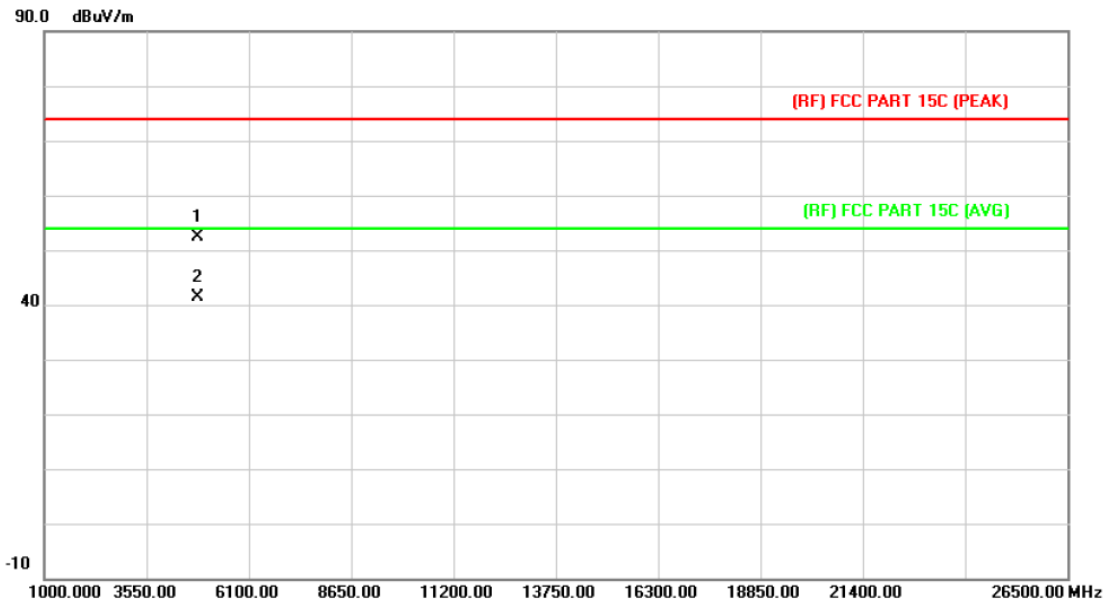
<b>EUT:</b>	MID	<b>Model:</b>	MID1008-L
<b>Temperature:</b>	25 °C	<b>Relative Humidity:</b>	55%
<b>Test Voltage:</b>	AC 120V/60 Hz		
<b>Ant. Pol.</b>	Horizontal		
<b>Test Mode:</b>	TX N(HT20) Mode 2412MHz		
<b>Remark:</b>	No report for the emission which more than 10 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1		4823.764	37.78	13.56	51.34	74.00	-22.66	peak
2	*	4823.831	26.79	13.56	40.35	54.00	-13.65	AVG

Emission Level= Read Level+ Correct Factor

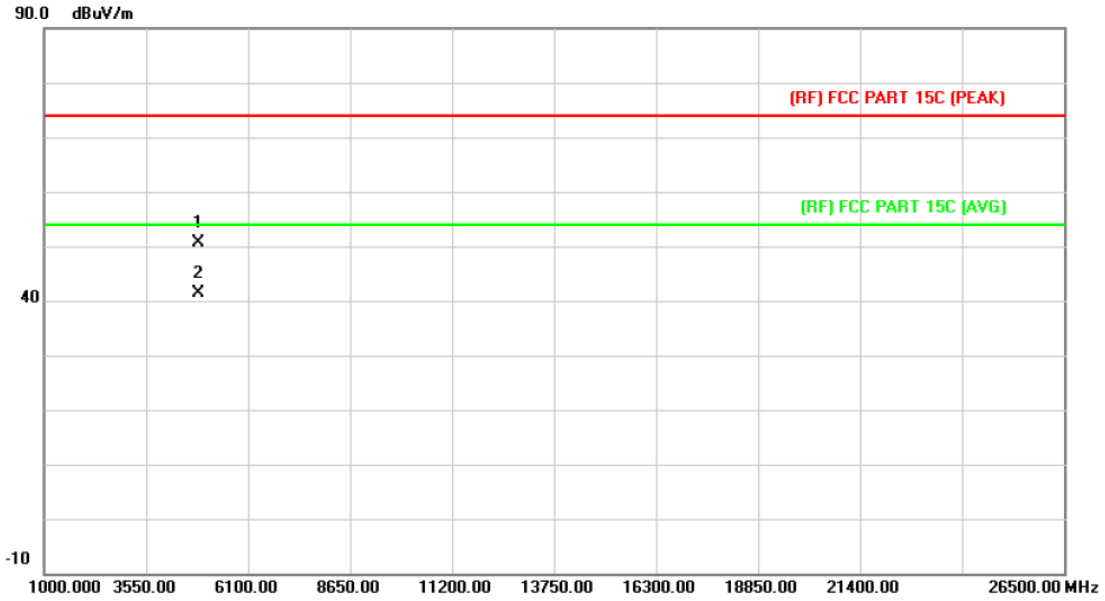
<b>EUT:</b>	MID	<b>Model:</b>	MID1008-L
<b>Temperature:</b>	25 °C	<b>Relative Humidity:</b>	55%
<b>Test Voltage:</b>	AC 120V/60 Hz		
<b>Ant. Pol.</b>	Vertical		
<b>Test Mode:</b>	TX N(HT20) Mode 2412MHz		
<b>Remark:</b>	No report for the emission which more than 10 dB below the prescribed limit.		



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		4823.173	38.75	13.56	52.31	74.00	-21.69	peak
2	*	4823.354	27.79	13.56	41.35	54.00	-12.65	AVG

Emission Level= Read Level+ Correct Factor

<b>EUT:</b>	MID	<b>Model:</b>	MID1008-L
<b>Temperature:</b>	25 °C	<b>Relative Humidity:</b>	55%
<b>Test Voltage:</b>	AC 120V/60 Hz		
<b>Ant. Pol.</b>	Horizontal		
<b>Test Mode:</b>	TX N(HT20) Mode 2437MHz		
<b>Remark:</b>	No report for the emission which more than 10 dB below the prescribed limit.		

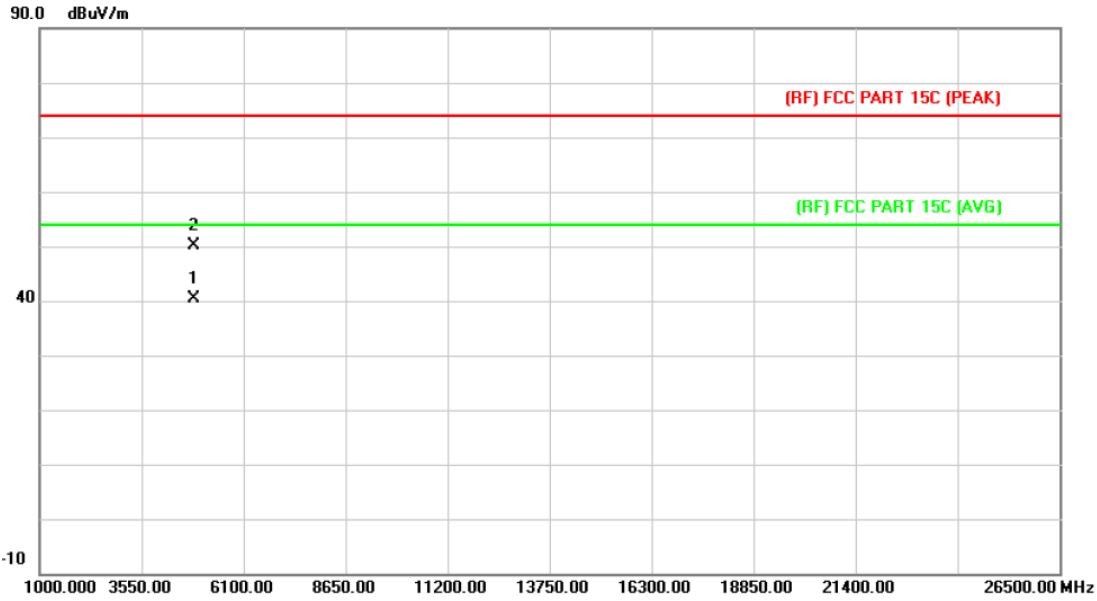


No. Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	4873.128	36.81	13.86	50.67	74.00	-23.33	peak
2 *	4873.684	27.48	13.86	41.34	54.00	-12.66	AVG

Emission Level= Read Level+ Correct Factor



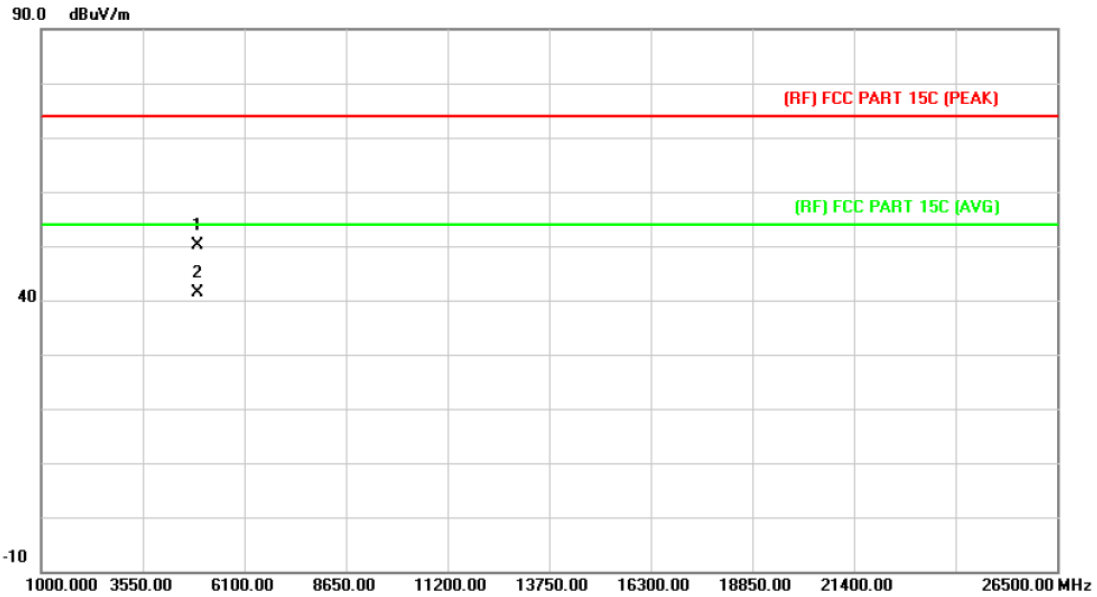
<b>EUT:</b>	MID	<b>Model:</b>	MID1008-L
<b>Temperature:</b>	25 °C	<b>Relative Humidity:</b>	55%
<b>Test Voltage:</b>	AC 120V/60 Hz		
<b>Ant. Pol.</b>	Vertical		
<b>Test Mode:</b>	TX N(HT20) Mode 2437MHz		
<b>Remark:</b>	No report for the emission which more than 10 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	*	4873.345	26.49	13.86	40.35	54.00	-13.65	AVG
2		4873.654	36.28	13.86	50.14	74.00	-23.86	peak

Emission Level= Read Level+ Correct Factor

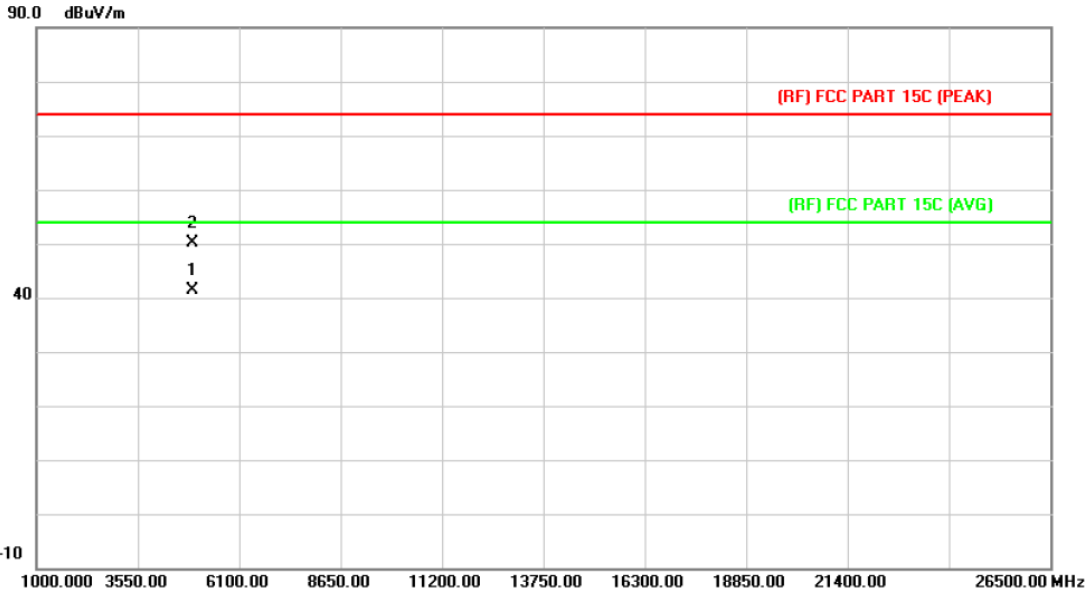
<b>EUT:</b>	MID	<b>Model:</b>	MID1008-L
<b>Temperature:</b>	25 °C	<b>Relative Humidity:</b>	55%
<b>Test Voltage:</b>	AC 120V/60 Hz		
<b>Ant. Pol.</b>	Horizontal		
<b>Test Mode:</b>	TX N(HT20) Mode 2462MHz		
<b>Remark:</b>	No report for the emission which more than 10 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1		4923.501	35.96	14.15	50.11	74.00	-23.89	peak
2	*	4923.603	27.20	14.15	41.35	54.00	-12.65	AVG

Emission Level= Read Level+ Correct Factor

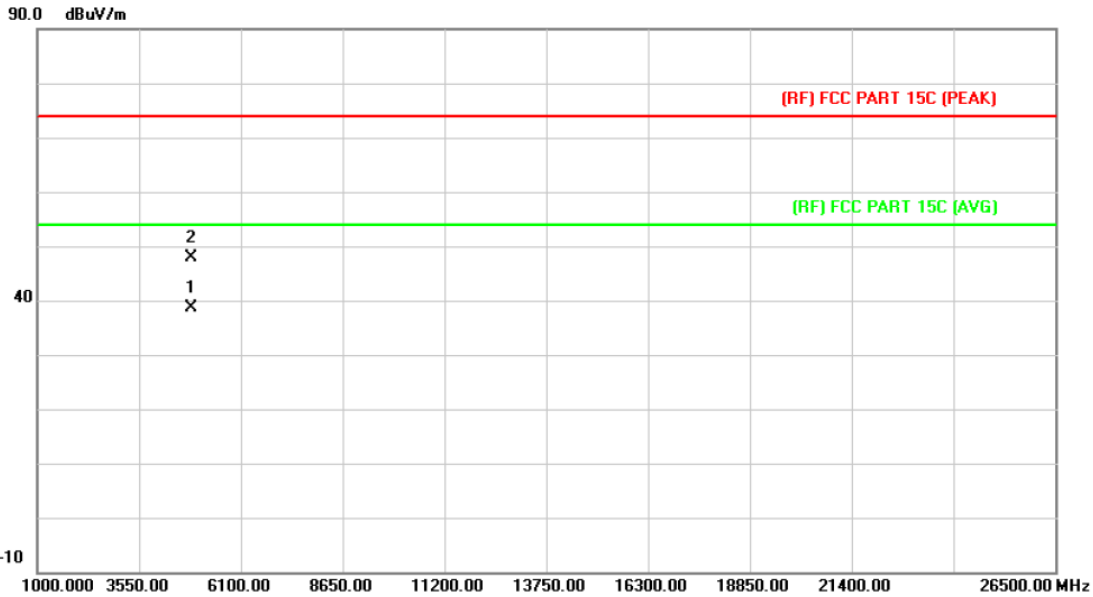
<b>EUT:</b>	MID	<b>Model:</b>	MID1008-L
<b>Temperature:</b>	25 °C	<b>Relative Humidity:</b>	55%
<b>Test Voltage:</b>	AC 120V/60 Hz		
<b>Ant. Pol.</b>	Vertical		
<b>Test Mode:</b>	TX N(HT20) Mode 2462MHz		
<b>Remark:</b>	No report for the emission which more than 10 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	*	4923.646	27.20	14.15	41.35	54.00	-12.65	AVG
2		4923.751	36.08	14.15	50.23	74.00	-23.77	peak

Emission Level= Read Level+ Correct Factor

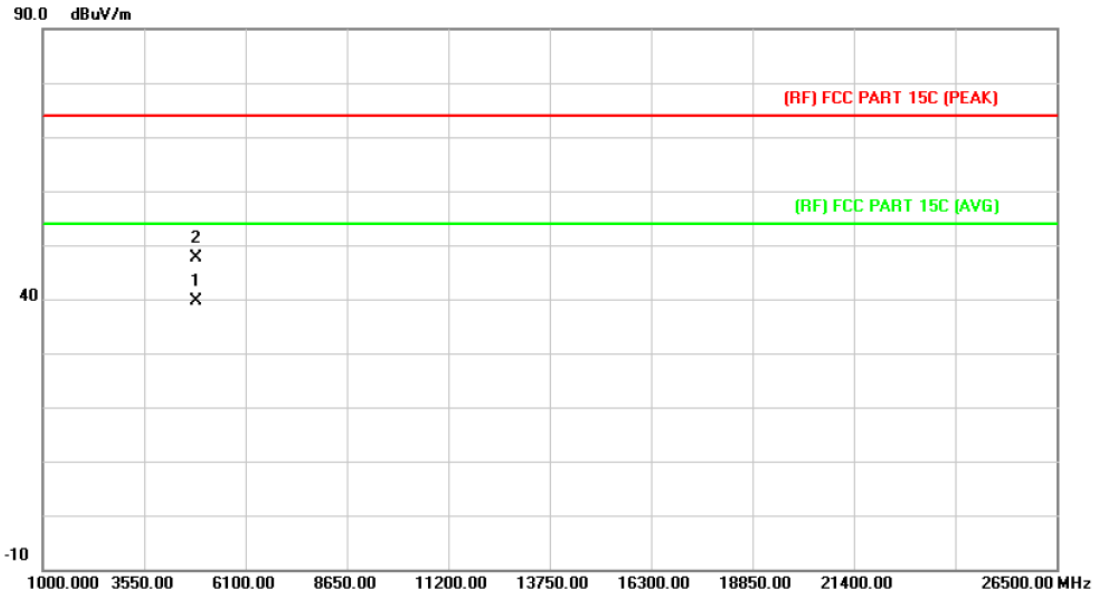
<b>EUT:</b>	MID	<b>Model:</b>	MID1008-L
<b>Temperature:</b>	25 °C	<b>Relative Humidity:</b>	55%
<b>Test Voltage:</b>	AC 120V/60 Hz		
<b>Ant. Pol.</b>	Horizontal		
<b>Test Mode:</b>	TX N(HT40) Mode 2422MHz		
<b>Remark:</b>	No report for the emission which more than 10 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	*	4843.987	24.96	13.68	38.64	54.00	-15.36	AVG
2		4844.120	34.21	13.68	47.89	74.00	-26.11	peak

Emission Level= Read Level+ Correct Factor

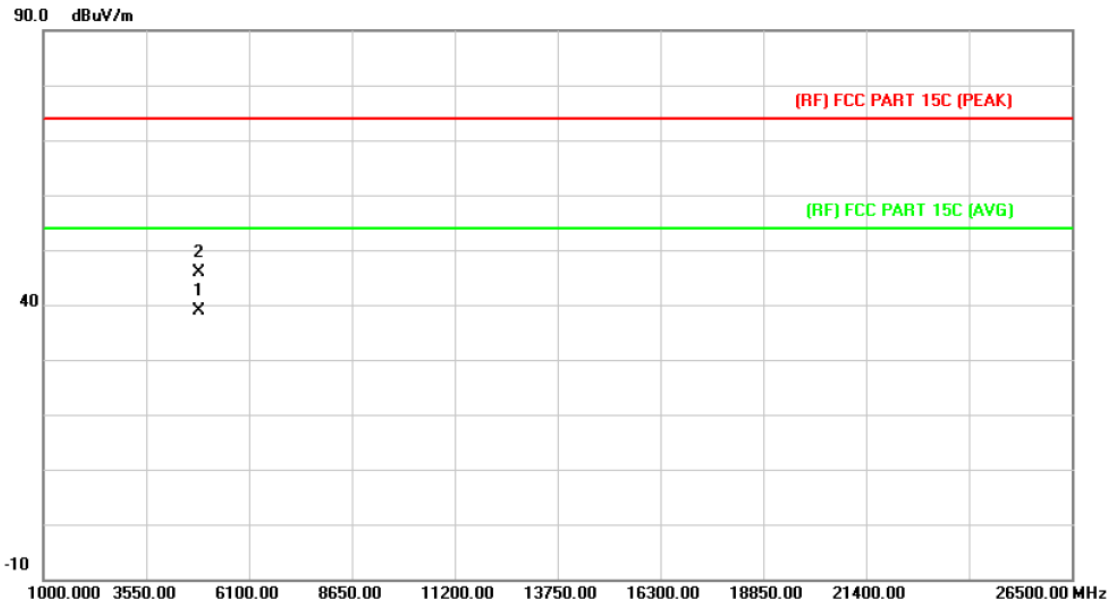
<b>EUT:</b>	MID	<b>Model:</b>	MID1008-L
<b>Temperature:</b>	25 °C	<b>Relative Humidity:</b>	55%
<b>Test Voltage:</b>	AC 120V/60 Hz		
<b>Ant. Pol.</b>	Vertical		
<b>Test Mode:</b>	TX N(HT40) Mode 2422MHz		
<b>Remark:</b>	No report for the emission which more than 10 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	*	4843.285	25.99	13.68	39.67	54.00	-14.33	AVG
2		4843.982	34.00	13.68	47.68	74.00	-26.32	peak

Emission Level= Read Level+ Correct Factor

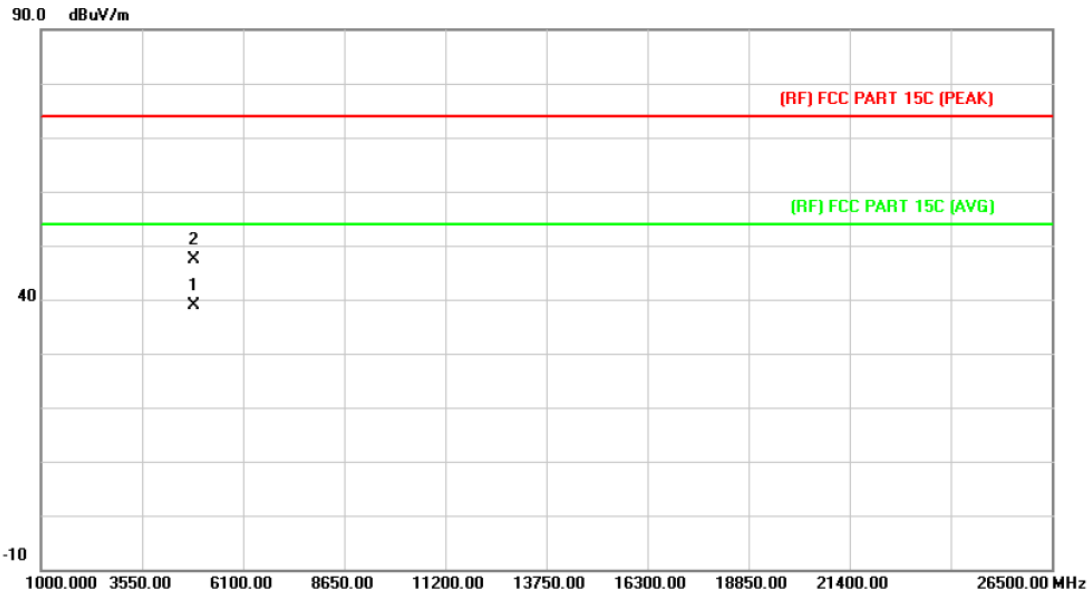
<b>EUT:</b>	MID	<b>Model:</b>	MID1008-L
<b>Temperature:</b>	25 °C	<b>Relative Humidity:</b>	55%
<b>Test Voltage:</b>	AC 120V/60 Hz		
<b>Ant. Pol.</b>	Horizontal		
<b>Test Mode:</b>	TX N(HT40) Mode 2437MHz		
<b>Remark:</b>	No report for the emission which more than 10 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	*	4873.647	25.01	13.86	38.87	54.00	-15.13	AVG
2		4873.762	32.12	13.86	45.98	74.00	-28.02	peak

Emission Level= Read Level+ Correct Factor

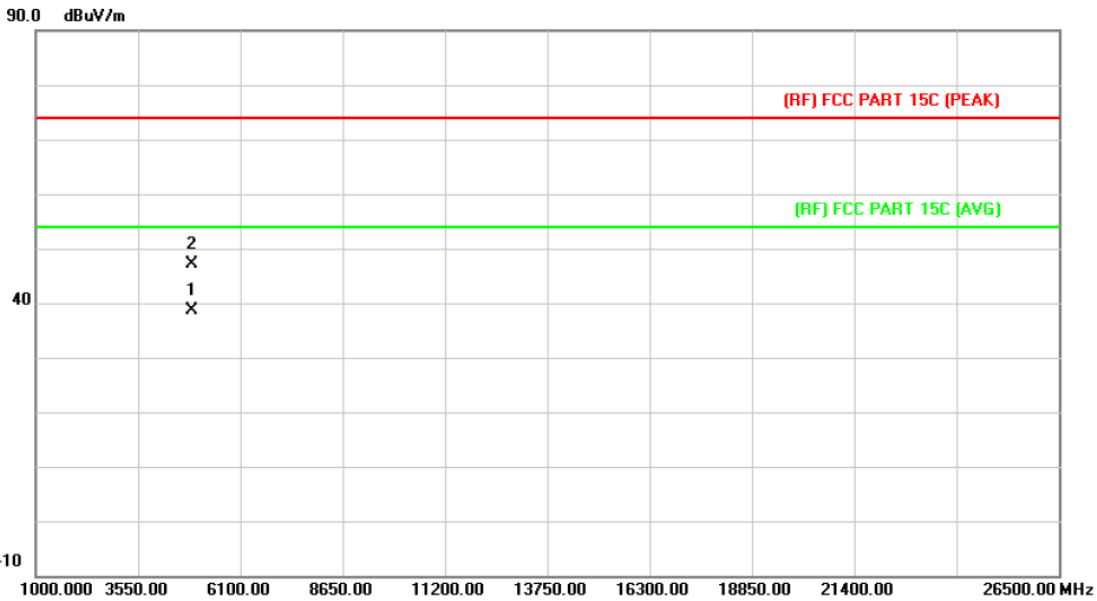
<b>EUT:</b>	MID	<b>Model:</b>	MID1008-L
<b>Temperature:</b>	25 °C	<b>Relative Humidity:</b>	55%
<b>Test Voltage:</b>	AC 120V/60 Hz		
<b>Ant. Pol.</b>	Vertical		
<b>Test Mode:</b>	TX N(HT40) Mode 2437MHz		
<b>Remark:</b>	No report for the emission which more than 10 dB below the prescribed limit.		



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1	*	4874.124	25.01	13.86	38.87	54.00	-15.13	AVG
2		4874.145	33.40	13.86	47.26	74.00	-26.74	peak

Emission Level= Read Level+ Correct Factor

<b>EUT:</b>	MID	<b>Model:</b>	MID1008-L
<b>Temperature:</b>	25 °C	<b>Relative Humidity:</b>	55%
<b>Test Voltage:</b>	AC 120V/60 Hz		
<b>Ant. Pol.</b>	Horizontal		
<b>Test Mode:</b>	TX N(HT40) Mode 2452MHz		
<b>Remark:</b>	No report for the emission which more than 10 dB below the prescribed limit.		

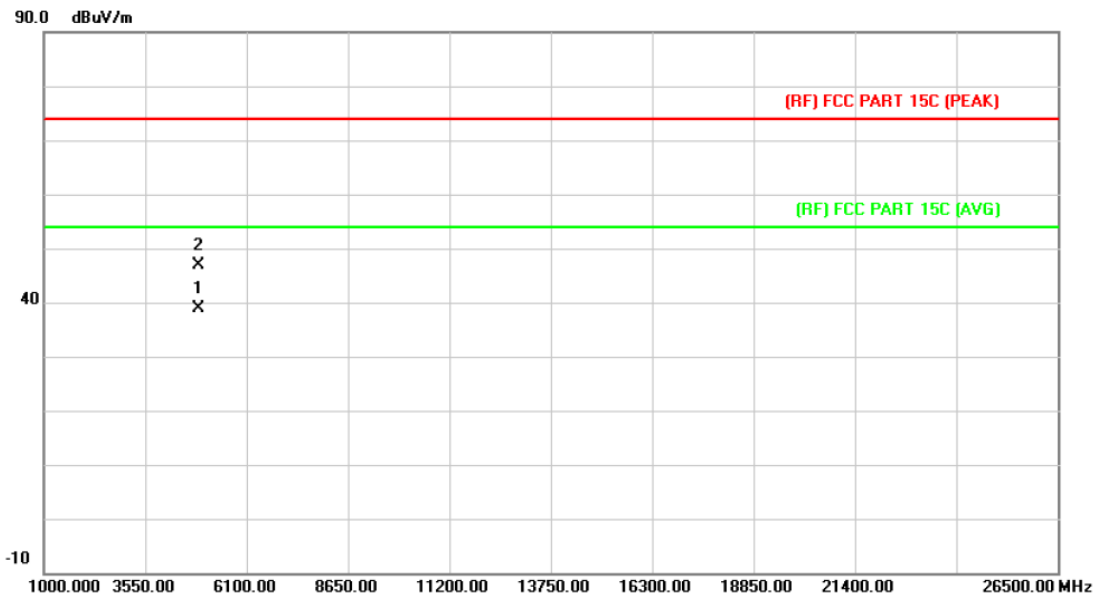


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4903.124	24.61	14.03	38.64	54.00	-15.36	AVG
2		4903.742	33.18	14.03	47.21	74.00	-26.79	peak

Emission Level= Read Level+ Correct Factor



<b>EUT:</b>	MID	<b>Model:</b>	MID1008-L
<b>Temperature:</b>	25 °C	<b>Relative Humidity:</b>	55%
<b>Test Voltage:</b>	AC 120V/60 Hz		
<b>Ant. Pol.</b>	Vertical		
<b>Test Mode:</b>	TX N(HT40) Mode 2452MHz		
<b>Remark:</b>	No report for the emission which more than 10 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	*	4903.347	24.94	14.03	38.97	54.00	-15.03	AVG
2		4903.657	32.86	14.03	46.89	74.00	-27.11	peak

Emission Level= Read Level+ Correct Factor

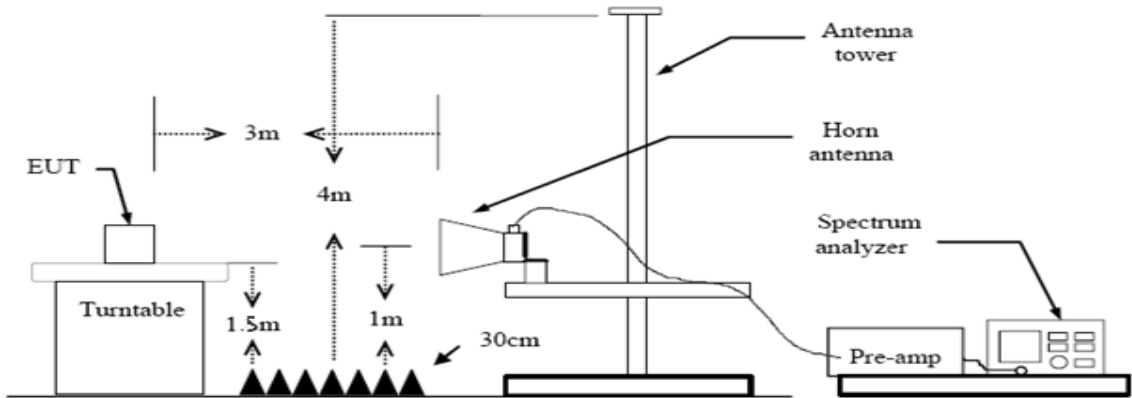
## 6. Restricted Bands Requirement

### 6.1 Test Standard and Limit

- 6.1.1 Test Standard  
FCC Part 15.209 FCC Part 15.205
- 6.1.2 Test Limit

Restricted Frequency Band (MHz)	Class B (dBuV/m)(at 3 M)	
	Peak	Average
2310 ~2390	74	54
2483.5 ~2500	74	54

### 6.2 Test Setup



### 6.3 Test Procedure

- (1) The measuring distance of 3m shall be used for measurements at frequency up to 1GHz. The EUT was placed on a rotating 0.8m high above the 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.

#### 6.4 EUT Operating Condition

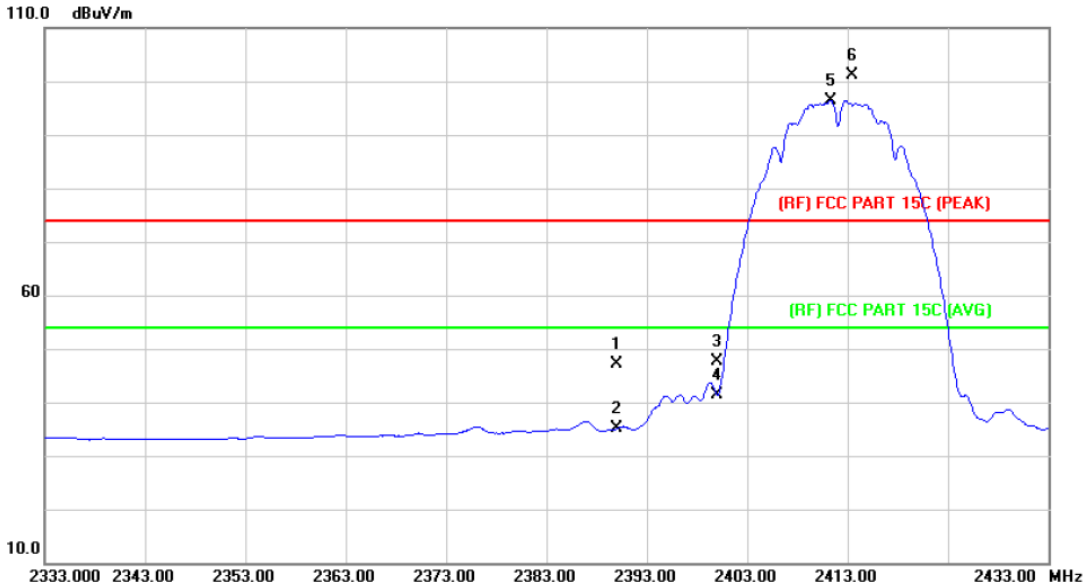
The Equipment Under Test was set to Continual Transmitting in maximum power.

#### 6.5 Test Data

Please see the next page.

**(1) Radiation Test**

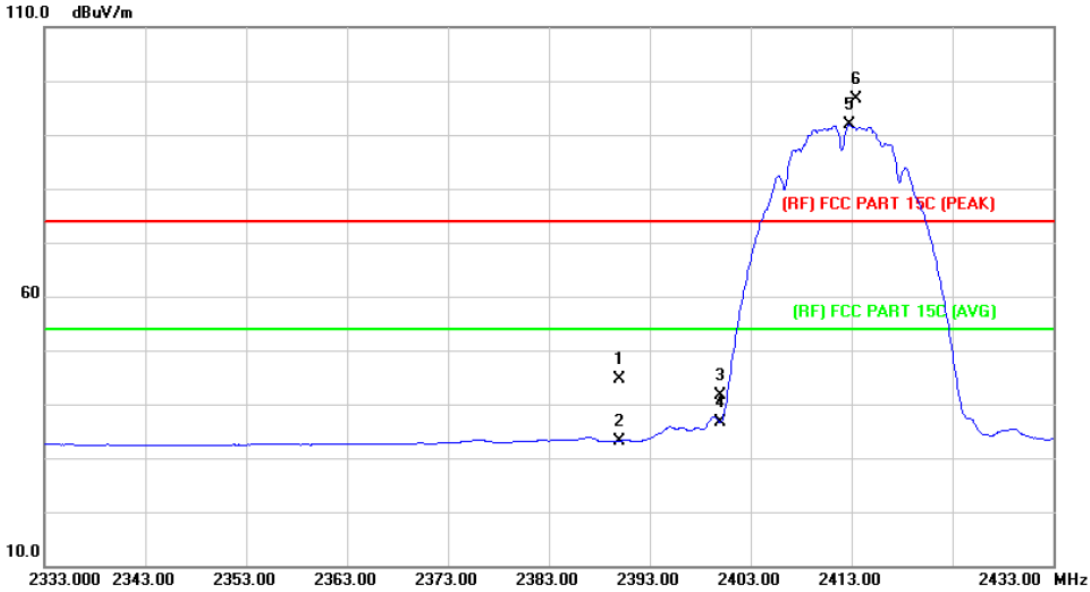
<b>EUT:</b>	MID	<b>Model:</b>	MID1008-L
<b>Temperature:</b>	25 °C	<b>Relative Humidity:</b>	55%
<b>Test Voltage:</b>	AC 120V/60 Hz		
<b>Ant. Pol.</b>	Horizontal		
<b>Test Mode:</b>	TX B Mode 2412MHz		
<b>Remark:</b>	N/A		



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		2390.000	46.47	0.77	47.24	74.00	-26.76	peak
2		2390.000	34.31	0.77	35.08	54.00	-18.92	AVG
3		2400.000	46.80	0.81	47.61	Fundamental Frequency		peak
4		2400.000	40.61	0.81	41.42	Fundamental Frequency		AVG
5	*	2411.300	95.49	0.86	96.35	54.00	42.35	AVG
6	X	2413.500	100.21	0.86	101.07	74.00	27.07	peak

**Emission Level= Read Level+ Correct Factor**

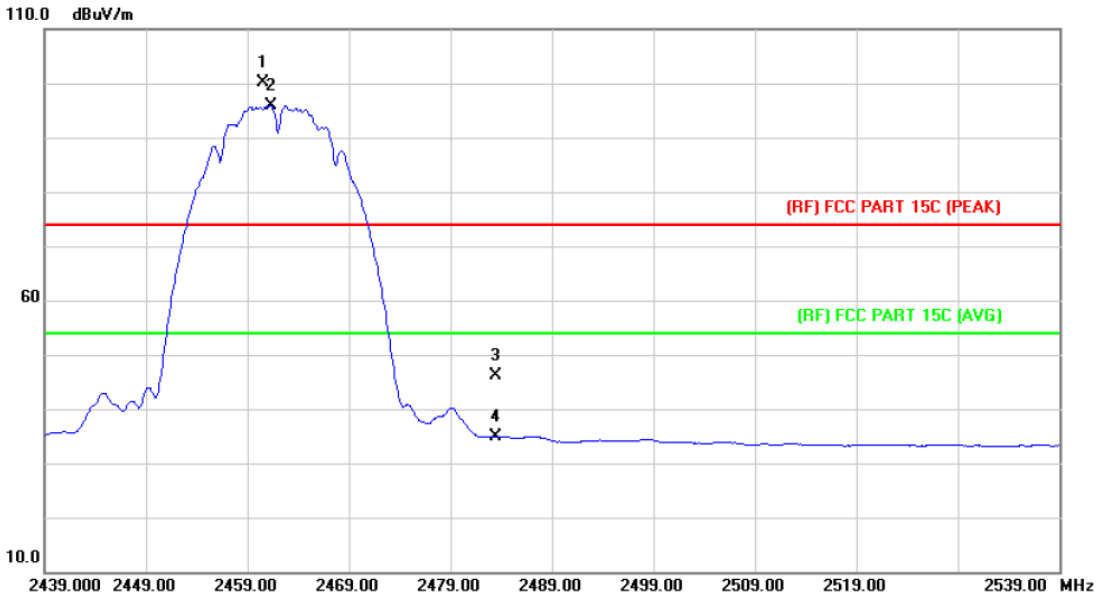
<b>EUT:</b>	MID	<b>Model:</b>	MID1008-L
<b>Temperature:</b>	25 °C	<b>Relative Humidity:</b>	55%
<b>Test Voltage:</b>	AC 120V/60 Hz		
<b>Ant. Pol.</b>	Vertical		
<b>Test Mode:</b>	TX B Mode 2412MHz		
<b>Remark:</b>	N/A		



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		2390.000	43.76	0.77	44.53	74.00	-29.47	peak
2		2390.000	32.43	0.77	33.20	54.00	-20.80	AVG
3		2400.000	40.86	0.81	41.67	Fundamental Frequency		peak
4		2400.000	35.76	0.81	36.57	Fundamental Frequency		AVG
5	*	2412.800	90.95	0.86	91.81	54.00	37.81	AVG
6	X	2413.500	95.74	0.86	96.60	74.00	22.60	peak

Emission Level= Read Level+ Correct Factor

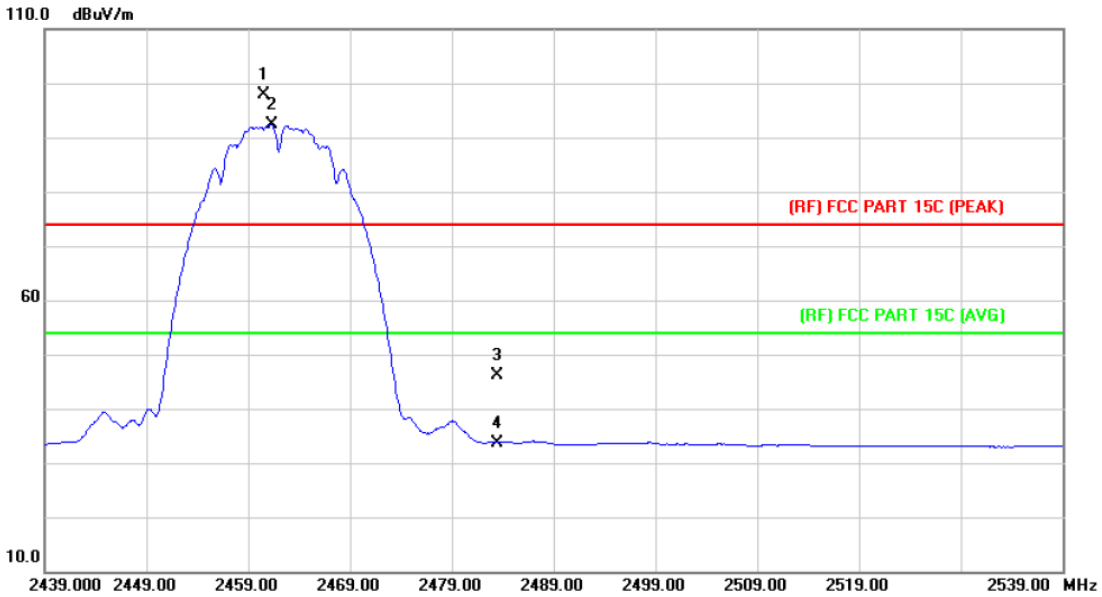
<b>EUT:</b>	MID	<b>Model:</b>	MID1008-L
<b>Temperature:</b>	25 °C	<b>Relative Humidity:</b>	55%
<b>Test Voltage:</b>	AC 120V/60 Hz		
<b>Ant. Pol.</b>	Horizontal		
<b>Test Mode:</b>	TX B Mode 2462MHz		
<b>Remark:</b>	N/A		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	X	2460.500	99.07	1.06	100.13			peak
2	*	2461.320	94.82	1.07	95.89			AVG
3		2483.500	45.04	1.17	46.21	74.00	-27.79	peak
4		2483.500	33.68	1.17	34.85	54.00	-19.15	AVG

Emission Level= Read Level+ Correct Factor

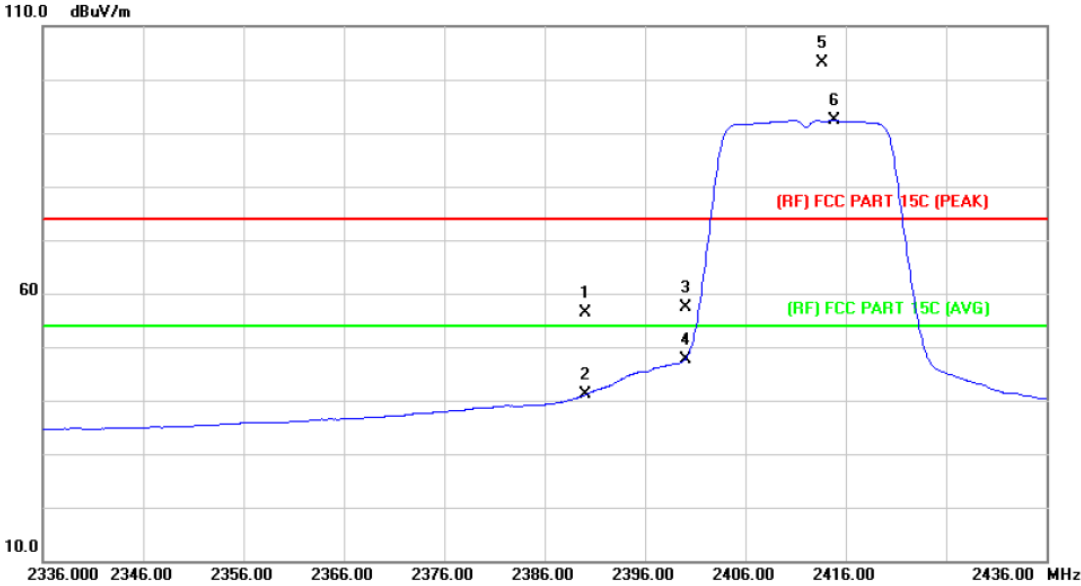
<b>EUT:</b>	MID	<b>Model:</b>	MID1008-L
<b>Temperature:</b>	25 °C	<b>Relative Humidity:</b>	55%
<b>Test Voltage:</b>	AC 120V/60 Hz		
<b>Ant. Pol.</b>	Vertical		
<b>Test Mode:</b>	TX B Mode 2462MHz		
<b>Remark:</b>	N/A		



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1	X	2460.600	96.79	1.06	97.85	Fundamental Frequency		peak
2	*	2461.350	91.29	1.07	92.36	Fundamental Frequency		AVG
3		2483.500	44.95	1.17	46.12	74.00	-27.88	peak
4		2483.500	32.57	1.17	33.74	54.00	-20.26	AVG

Emission Level= Read Level+ Correct Factor

<b>EUT:</b>	MID	<b>Model:</b>	MID1008-L
<b>Temperature:</b>	25 °C	<b>Relative Humidity:</b>	55%
<b>Test Voltage:</b>	AC 120V/60 Hz		
<b>Ant. Pol.</b>	Horizontal		
<b>Test Mode:</b>	TX G Mode 2412MHz		
<b>Remark:</b>	N/A		

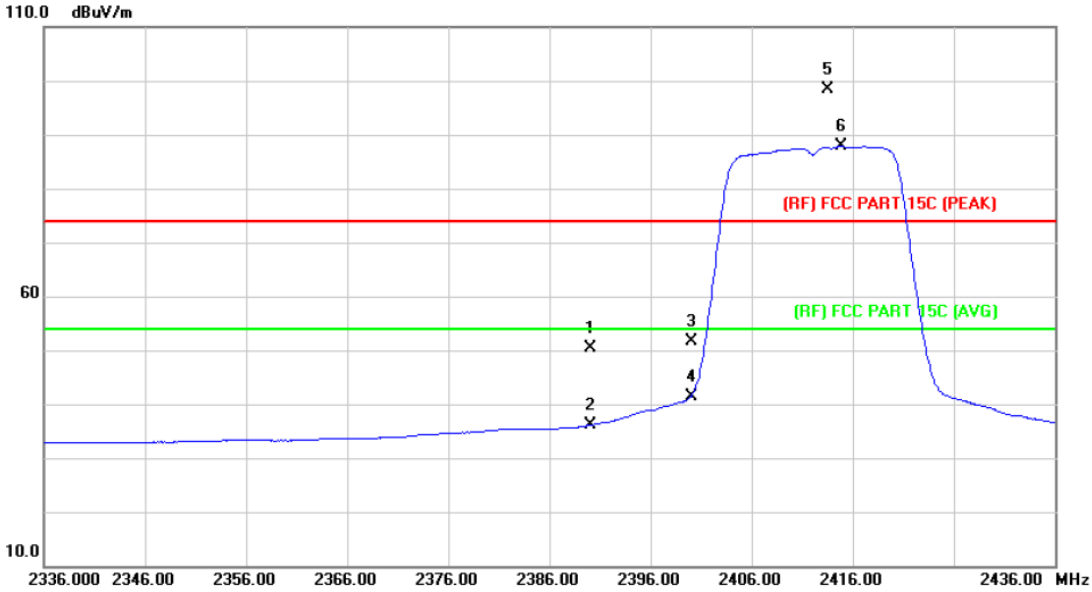


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measurement dBuV/m	Limit dBuV/m	Over dB	Detector
1		2390.000	55.61	0.77	56.38	74.00	-17.62	peak
2		2390.000	40.29	0.77	41.06	54.00	-12.94	AVG
3		2400.000	56.57	0.81	57.38	Fundamental Frequency		peak
4		2400.000	46.92	0.81	47.73	Fundamental Frequency		AVG
5	X	2413.700	102.20	0.86	103.06	74.00	29.06	peak
6	*	2414.900	91.55	0.88	92.43	54.00	38.43	AVG

Emission Level= Read Level+ Correct Factor



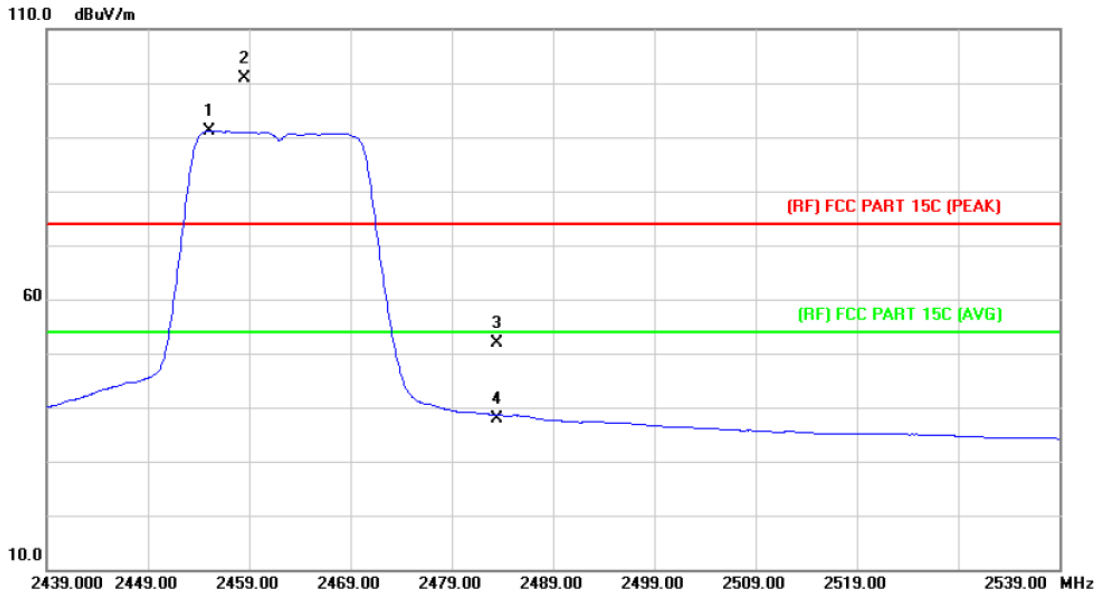
<b>EUT:</b>	MID	<b>Model:</b>	MID1008-L
<b>Temperature:</b>	25 °C	<b>Relative Humidity:</b>	55%
<b>Test Voltage:</b>	AC 120V/60 Hz		
<b>Ant. Pol.</b>	Vertical		
<b>Test Mode:</b>	TX G Mode 2412MHz		
<b>Remark:</b>	N/A		



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		2390.000	49.66	0.77	50.43	74.00	-23.57	peak
2		2390.000	35.33	0.77	36.10	54.00	-17.90	AVG
3		2400.000	50.80	0.81	51.61	Fundamental Frequency		peak
4		2400.000	40.66	0.81	41.47	Fundamental Frequency		AVG
5	X	2413.500	97.58	0.86	98.44	74.00	24.44	peak
6	*	2414.900	86.98	0.88	87.86	54.00	33.86	AVG

Emission Level= Read Level+ Correct Factor

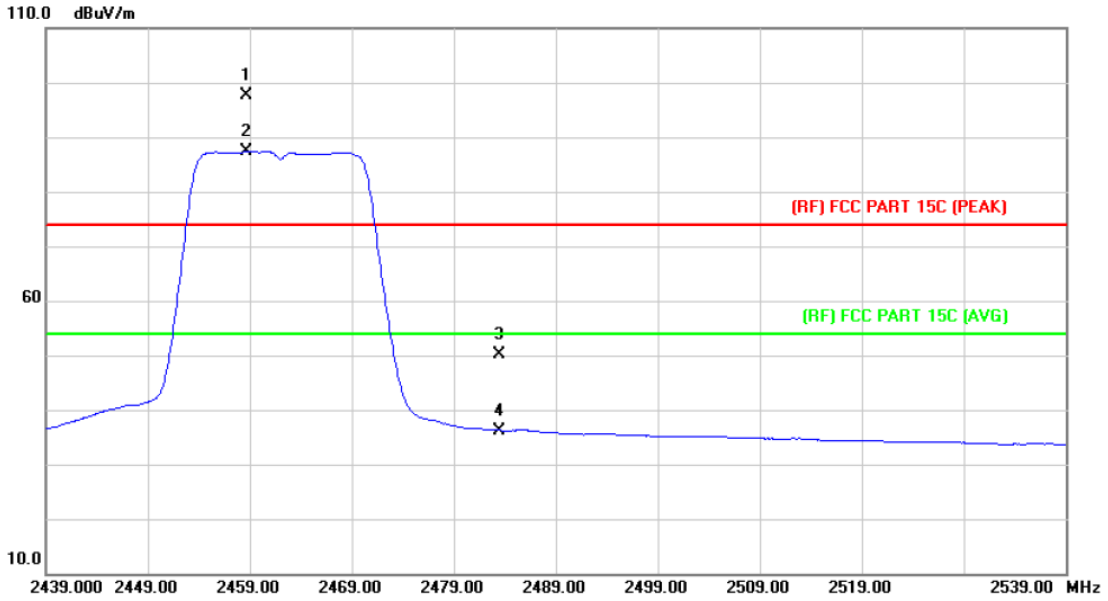
<b>EUT:</b>	MID	<b>Model:</b>	MID1008-L
<b>Temperature:</b>	25 °C	<b>Relative Humidity:</b>	55%
<b>Test Voltage:</b>	AC 120V/60 Hz		
<b>Ant. Pol.</b>	Horizontal		
<b>Test Mode:</b>	TX G Mode 2462MHz		
<b>Remark:</b>	N/A		



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1	*	2455.100	90.14	1.05	91.19	Fundamental Frequency		AVG
2	X	2458.510	99.92	1.06	100.98	Fundamental Frequency		peak
3		2483.500	50.68	1.17	51.85	74.00	-22.15	peak
4		2483.500	36.72	1.17	37.89	54.00	-16.11	AVG

Emission Level= Read Level+ Correct Factor

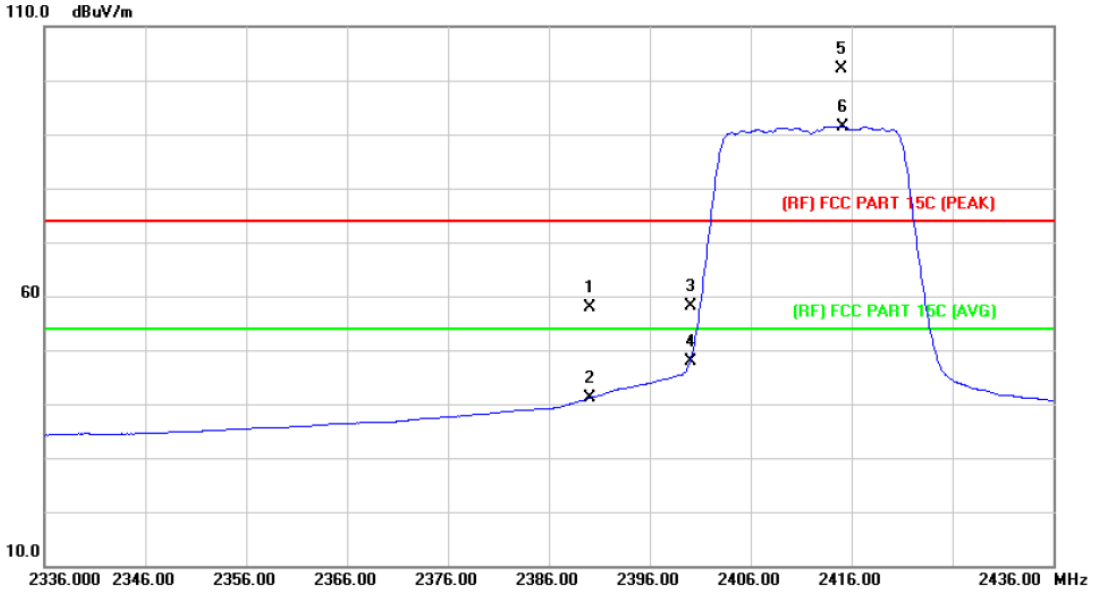
<b>EUT:</b>	MID	<b>Model:</b>	MID1008-L
<b>Temperature:</b>	25 °C	<b>Relative Humidity:</b>	55%
<b>Test Voltage:</b>	AC 120V/60 Hz		
<b>Ant. Pol.</b>	Vertical		
<b>Test Mode:</b>	TX G Mode 2462MHz		
<b>Remark:</b>	N/A		



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1	X	2458.680	96.62	1.06	97.68	Fundamental Frequency		peak
2	*	2458.700	86.28	1.06	87.34	Fundamental Frequency		AVG
3		2483.500	48.94	1.17	50.11	74.00	-23.89	peak
4		2483.500	35.01	1.17	36.18	54.00	-17.82	AVG

Emission Level= Read Level+ Correct Factor

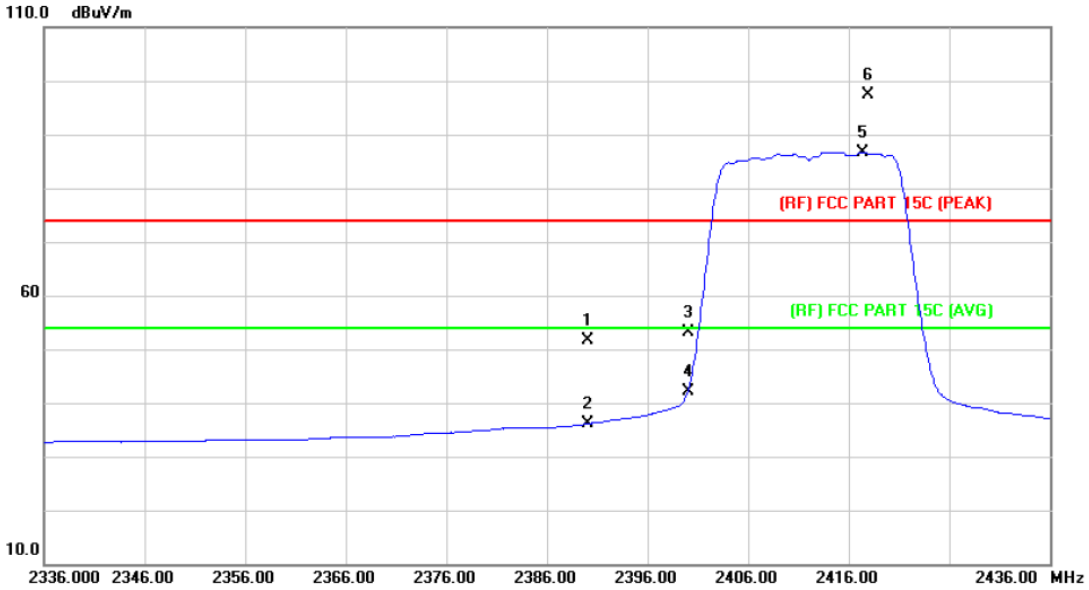
<b>EUT:</b>	MID	<b>Model:</b>	MID1008-L
<b>Temperature:</b>	25 °C	<b>Relative Humidity:</b>	55%
<b>Test Voltage:</b>	AC 120V/60 Hz		
<b>Ant. Pol.</b>	Horizontal		
<b>Test Mode:</b>	TX N(HT20) Mode 2412MHz		
<b>Remark:</b>	N/A		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1		2390.000	57.08	0.77	57.85	74.00	-16.15	peak
2		2390.000	40.37	0.77	41.14	54.00	-12.86	AVG
3		2400.000	57.23	0.81	58.04			Fundamental Frequency peak
4		2400.000	47.07	0.81	47.88			Fundamental Frequency AVG
5	X	2415.000	101.33	0.88	102.21	74.00	28.21	peak
6	*	2415.200	90.57	0.88	91.45	54.00	37.45	AVG

**Emission Level= Read Level+ Correct Factor**

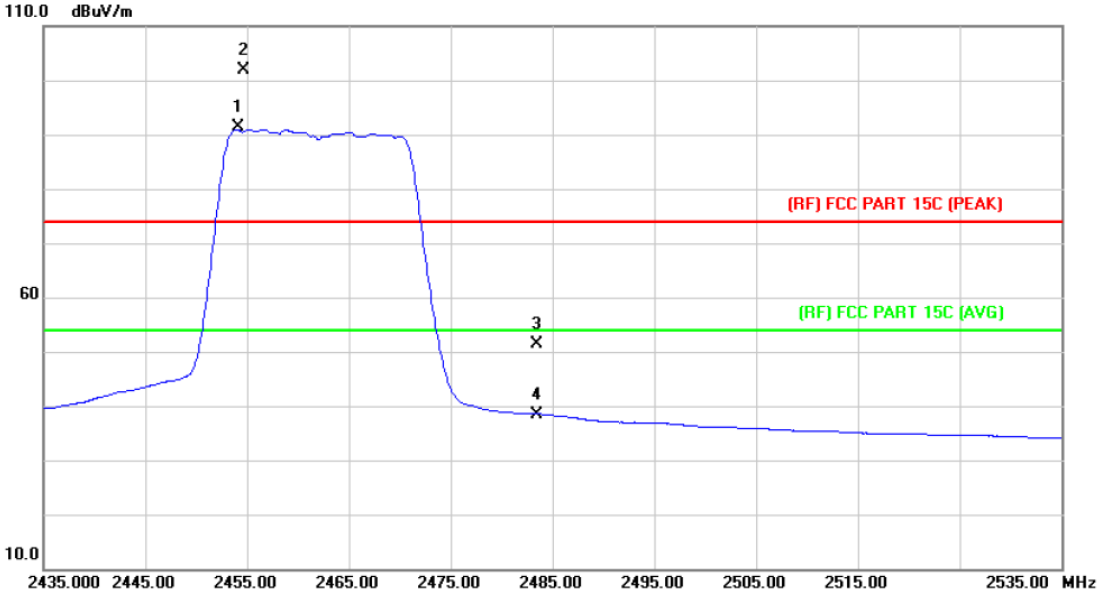
<b>EUT:</b>	MID	<b>Model:</b>	MID1008-L
<b>Temperature:</b>	25 °C	<b>Relative Humidity:</b>	55%
<b>Test Voltage:</b>	AC 120V/60 Hz		
<b>Ant. Pol.</b>	Vertical		
<b>Test Mode:</b>	TX N(HT20) Mode 2412MHz		
<b>Remark:</b>	N/A		



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		2390.000	50.89	0.77	51.66	74.00	-22.34	peak
2		2390.000	35.38	0.77	36.15	54.00	-17.85	AVG
3		2400.000	52.43	0.81	53.24	Fundamental Frequency		peak
4		2400.000	41.24	0.81	42.05	Fundamental Frequency		AVG
5	*	2417.400	85.85	0.89	86.74	54.00	32.74	AVG
6	X	2417.900	96.59	0.89	97.48	74.00	23.48	peak

Emission Level= Read Level+ Correct Factor

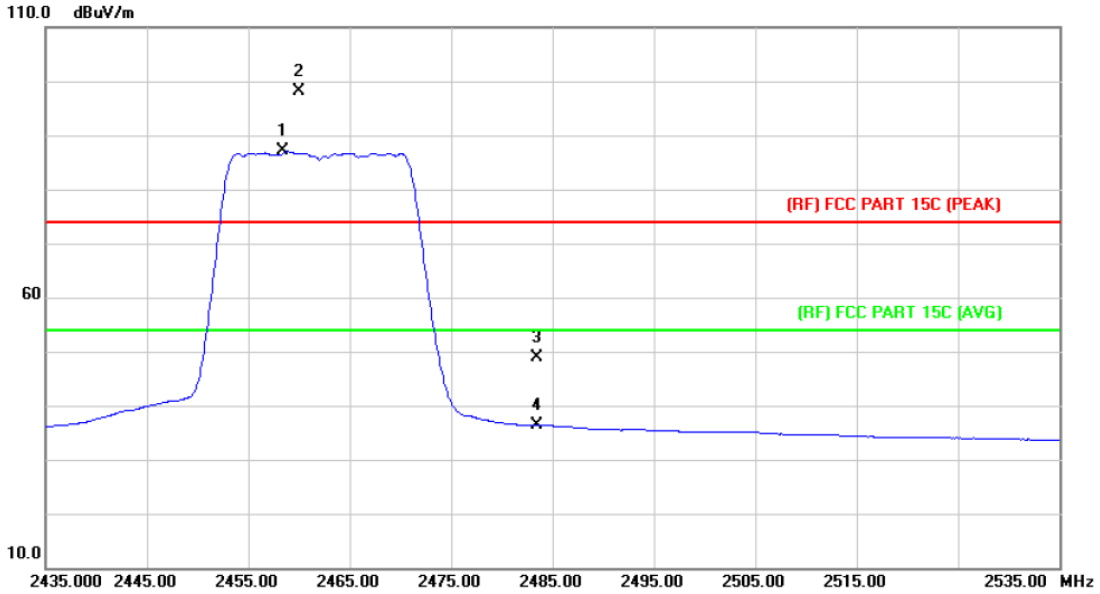
<b>EUT:</b>	MID	<b>Model:</b>	MID1008-L
<b>Temperature:</b>	25 °C	<b>Relative Humidity:</b>	55%
<b>Test Voltage:</b>	AC 120V/60 Hz		
<b>Ant. Pol.</b>	Horizontal		
<b>Test Mode:</b>	TX N(HT20) Mode 2462MHz		
<b>Remark:</b>	N/A		



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1	*	2454.100	90.28	1.04	91.32	Fundamental Frequency		AVG
2	X	2454.700	100.71	1.05	101.76	Fundamental Frequency		peak
3		2483.500	50.19	1.17	51.36	74.00	-22.64	peak
4		2483.500	37.28	1.17	38.45	54.00	-15.55	AVG

Emission Level= Read Level+ Correct Factor

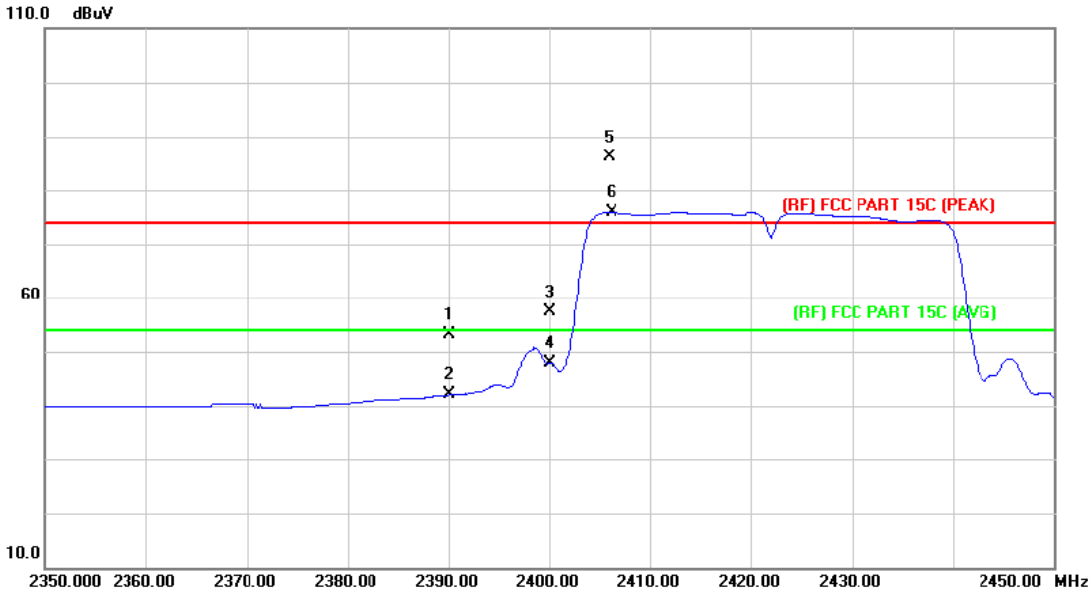
<b>EUT:</b>	MID	<b>Model:</b>	MID1008-L
<b>Temperature:</b>	25 °C	<b>Relative Humidity:</b>	55%
<b>Test Voltage:</b>	AC 120V/60 Hz		
<b>Ant. Pol.</b>	Vertical		
<b>Test Mode:</b>	TX N(HT20) Mode 2462MHz		
<b>Remark:</b>	N/A		



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1	*	2458.360	86.06	1.06	87.12	Fundamental Frequency		AVG
2	X	2460.000	97.07	1.06	98.13	Fundamental Frequency		peak
3		2483.500	47.79	1.17	48.96	74.00	-25.04	peak
4		2483.500	35.15	1.17	36.32	54.00	-17.68	AVG

Emission Level= Read Level+ Correct Factor

<b>EUT:</b>	MID	<b>Model:</b>	MID1008-L
<b>Temperature:</b>	25 °C	<b>Relative Humidity:</b>	55%
<b>Test Voltage:</b>	AC 120V/60 Hz		
<b>Ant. Pol.</b>	Horizontal		
<b>Test Mode:</b>	TX N(HT40) Mode 2422MHz		
<b>Remark:</b>	N/A		

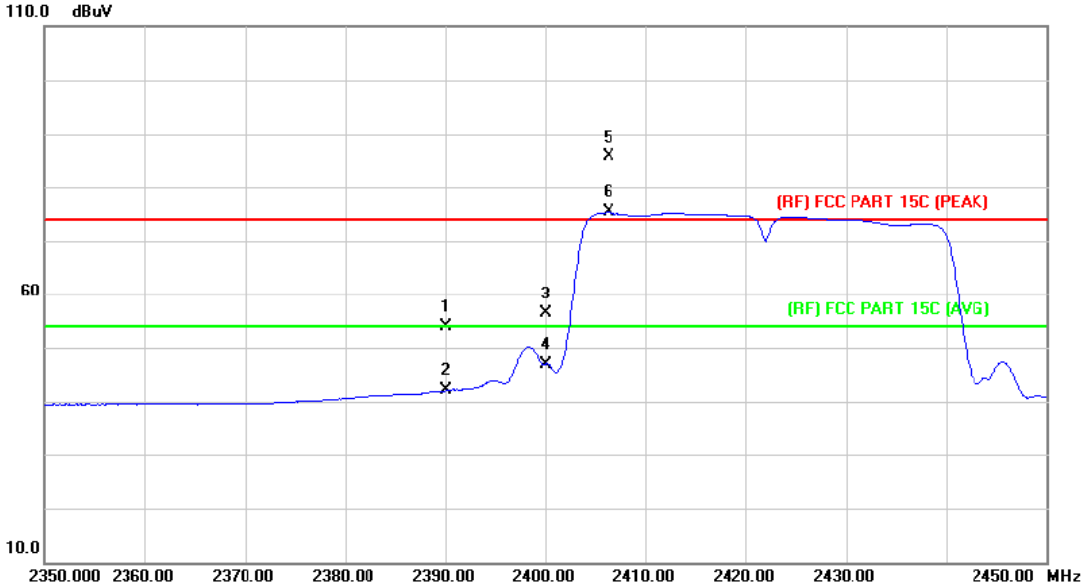


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector
1		2390.000	49.81	3.40	53.21	74.00	-20.79	peak
2		2390.000	38.61	3.40	42.01	54.00	-11.99	AVG
3		2400.000	54.08	3.41	57.49			Fundamental Frequency peak
4		2400.000	44.44	3.41	47.85			Fundamental Frequency AVG
5	X	2405.900	82.81	3.42	86.23	74.00	12.23	peak
6	*	2406.200	72.55	3.42	75.97	54.00	21.97	AVG

Emission Level= Read Level+ Correct Factor



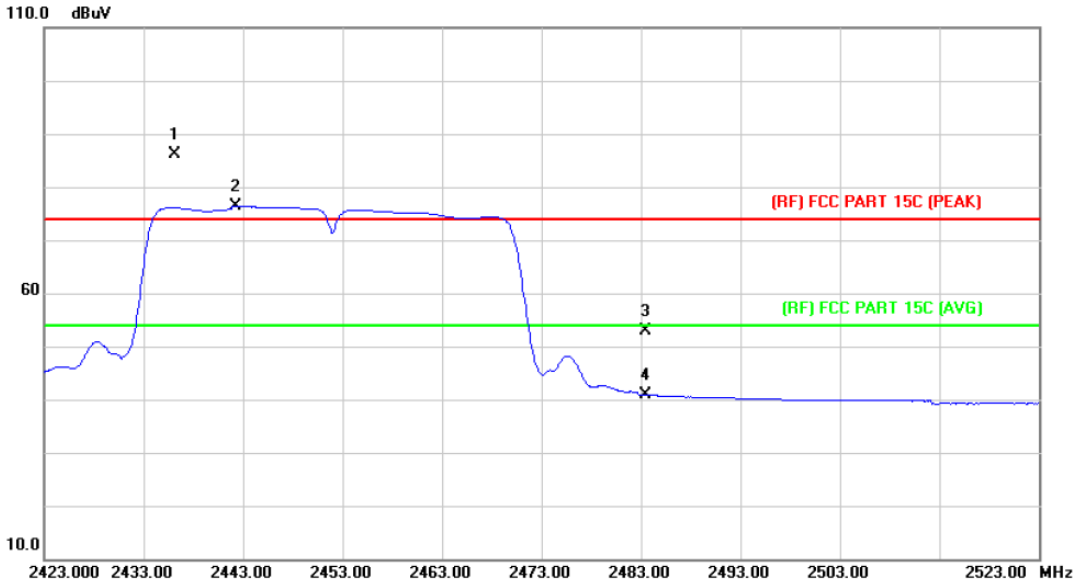
<b>EUT:</b>	MID	<b>Model:</b>	MID1008-L
<b>Temperature:</b>	25 °C	<b>Relative Humidity:</b>	55%
<b>Test Voltage:</b>	AC 120V/60 Hz		
<b>Ant. Pol.</b>	Vertical		
<b>Test Mode:</b>	TX N(HT40) Mode 2422MHz		
<b>Remark:</b>	N/A		



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector
1		2390.000	50.50	3.40	53.90	74.00	-20.10	peak
2		2390.000	38.71	3.40	42.11	54.00	-11.89	AVG
3		2400.000	52.90	3.41	56.31	Fundamental Frequency		peak
4		2400.000	43.58	3.41	46.99	Fundamental Frequency		AVG
5	X	2406.320	82.27	3.42	85.69	74.00	11.69	peak
6	*	2406.357	71.90	3.42	75.32	54.00	21.32	AVG

Emission Level= Read Level+ Correct Factor

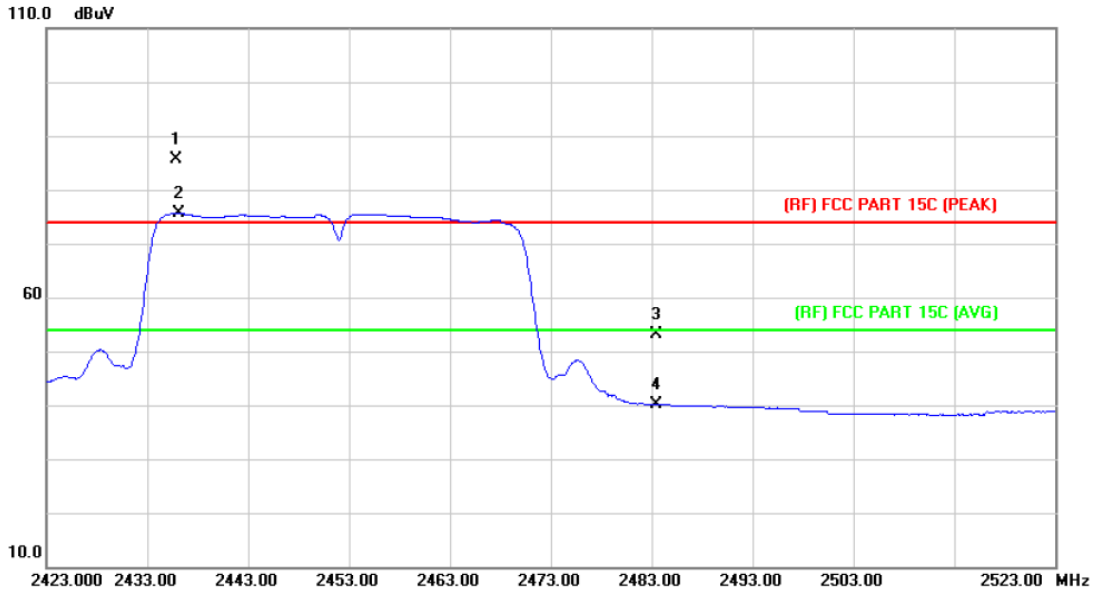
<b>EUT:</b>	MID	<b>Model:</b>	MID1008-L
<b>Temperature:</b>	25 °C	<b>Relative Humidity:</b>	55%
<b>Test Voltage:</b>	AC 120V/60 Hz		
<b>Ant. Pol.</b>	Horizontal		
<b>Test Mode:</b>	TX N(HT40) Mode 2452MHz		
<b>Remark:</b>	N/A		



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector
1	X	2436.200	82.64	3.46	86.10	Fundamental Frequency		peak
2	*	2442.300	72.98	3.46	76.44	Fundamental Frequency		AVG
3		2483.500	49.47	3.51	52.98	74.00	-21.02	peak
4		2483.500	37.37	3.51	40.88	54.00	-13.12	AVG

Emission Level= Read Level+ Correct Factor

<b>EUT:</b>	MID	<b>Model:</b>	MID1008-L
<b>Temperature:</b>	25 °C	<b>Relative Humidity:</b>	55%
<b>Test Voltage:</b>	AC 120V/60 Hz		
<b>Ant. Pol.</b>	Vertical		
<b>Test Mode:</b>	TX N(HT40) Mode 2452MHz		
<b>Remark:</b>	N/A		



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector
1	X	2435.900	82.07	3.46	85.53	Fundamental Frequency		peak
2	*	2436.100	72.20	3.46	75.66	Fundamental Frequency		AVG
3		2483.500	49.69	3.51	53.20	74.00	-20.80	peak
4		2483.500	36.62	3.51	40.13	54.00	-13.87	AVG

Emission Level= Read Level+ Correct Factor

## 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 directional gains of the antenna used for transmitting is 0dBi, and the antenna de-signed with permanent attachment and no consideration of replacement. Please see the EUT photo for details.

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

Antenna Type
<input checked="" type="checkbox"/> Permanent attached antenna
<input type="checkbox"/> Unique connector antenna
<input type="checkbox"/> Professional installation antenna