

Shenzhen Toby Technology Co., Ltd.

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FCC Radio Test Report FCC ID: XMF-MID1008

FCC Class II Permissive Change

Report No. TB-FCC145090

Lightcomm Technology Co., Ltd. **Applicant**

Equipment Under Test (EUT)

EUT Name MID

Model No. MID1008-L

Series Model No. DL1010Q, DL1008M

N/A **Brand Name**

Receipt Date 2015-08-12

2015-08-12 to 2015-08-17 **Test Date**

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

Approved& Authorized

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.

TB-RF-074-1.0

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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)

EUT Name	n.	MID				
Models No.		MID1008-L, DL1010Q, D	MID1008-L, DL1010Q, DL1008M			
Model Difference	į		ntical in the same PCB layout, interior structure and difference is model name for commercial purpose.			
23 CO33	N. Carlot	Operation Frequency: 802.11b/g/n(HT20): 2412 802.11b/g/n(HT40): 2422 Number of Channel:				
			802.11b/g/n(HT40): 7 channels see note(3)			
		RF Output Power:	802.11b: 9.56 dBm			
Duaduat			802.11g: 9.46 dBm			
Product			802.11n (HT20): 9.45 dBm			
Description	•		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			
Power Supply		DC power supplied by AC				
		DC Voltage supplied from Li-Polymer battery.				
Power Rating	:	USB DC 5V form PC.				
	5	AC/DC Adapter(TEKA01:				
		Input: AC 100~240V 50/60Hz 0.35A Max. Output: DC 5V 2.0A				
Composting		DC 3.7V 5000mAh from				
Connecting			B port for link with PC, so the equipment is			
I/O Port(S)		considered as a Computing Device Peripheral.				
- WILL		Please refer to the User's	s wanual			



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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.

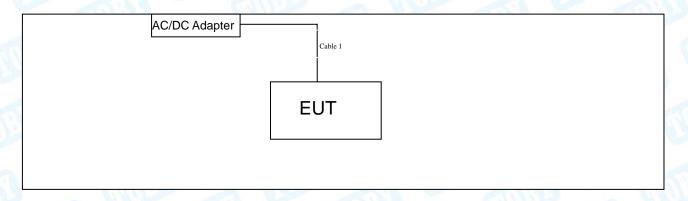
- (2) For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.
- (3) Antenna information provided by the applicant.
- (4) Channel List:

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 "√"						
1						
		Cable Information				
Number	Number Shielded Type Ferrite Core Length Note					
Cable 1	NO	NO	1.0M	Accessories		
Charles of the		Time I		1		



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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				
		Mode 6 TX Mode N(HT40) Mode Channel 01/06/1		

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.



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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 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})
	Level Accuracy:	
Conducted Emission	9kHz~150kHz	±3.42 dB
	150kHz to 30MHz	±3.42 dB
Radiated Emission	Level Accuracy:	±4.60 dB
Radiated Effilssion	9kHz to 30 MHz	±4.00 db
Radiated Emission	Level Accuracy:	±4.40 dB
Radiated Effilssion	30MHz to 1000 MHz	±4.40 db
Radiated Emission	Level Accuracy:	±4,20 dB
Radiated Emission	Above 1000MHz	±4.20 UD



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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.



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2. Test Summary

	FCC Part	t 15 Subpart C(15.247)/ RSS 247	' Issue 1			
Standard Section						
FCC	IC	Test Item	Judgment	Remark		
15.203	1	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.



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3. Test Equipment

Conducte	d Emission Te	st			
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
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Date
					Cal. Due
Spectrum	Agilant	E4407B	MV4E40G4EG	Son 01 2014	
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



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4. Conducted Emission Test

4.1 Test Standard and Limit

4.1.1Test Standard FCC Part 15.207

4.1.2 Test Limit

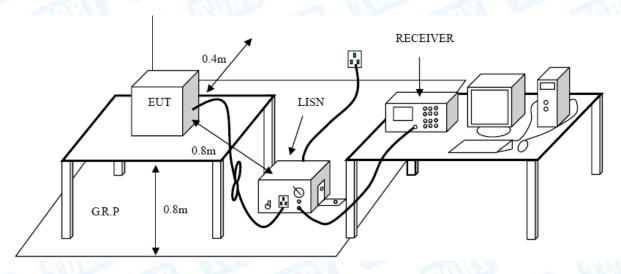
Conducted Emission Test Limit

Ereguenev	Maximum RF Line Voltage (dBμV)		
Frequency	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.



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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.

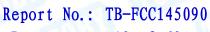
The bandwidth of EMI test receiver is set at 9kHz, and the test frequency band is from 0.15MHz to 30MHz.

4.4 EUT Operating Mode

Please refer to the description of test mode.

4.5 Test Data

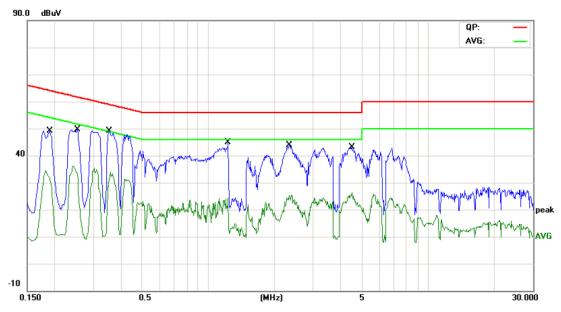
Please see the next page.





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EUT:	MID	Model Name :	MID1008-L		
Temperature:	25 ℃	Relative Humidity:	55%		
Test Voltage:	AC 240V/60 Hz	AC 240V/60 Hz			
Terminal:	Line				
Test Mode:	AC Charging with TX B Mode				
Remark: Only worse case is reported			[:33		
90.0 dBuV					
			QP: —		



No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
	MHz	dBu∨	dB	dBu∨	dBu∨	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





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_	MID	Mo	odel Name :	1	MID1008-	
Temperature:	25 ℃	Re	lative Humidi	ty:	55%	Alle
Test Voltage:	AC 240V/60 H	lz	10	60	TIS S	
Terminal:	Neutral	THE PERSON NAMED IN	1	W		
Test Mode:	AC Charging	with TX B Mode	e (1111)		2 1	
Remark:	Only worse ca	se is reported	The second	M	13	
90.0 dBuV						
					QP: AVG:	_
					AVG.	_
X						
	M		× 0. × 0.			
40	Nall Juneary James	MAN A I	*/** \#*****************\	M.		
- 17/W/S/W/W/	Pro .	andre Ma		Myn	Walter .	
	" The Mark the support of the Park	Aparagraph	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	\ <u>\</u> \\	. Josephy	\^\^\\
-		m/ Lul	Ť	1	Mary Mary Come of Long Mary	peal
	"			V	* Y Y	AVG
0.150	0.5	(MHz)	5			30.000
	Readin		Measure-			
No. Mk. Fr	req. Level	Factor		_imit	O∨er	
M	lHz dBuV	dB	dBu∀	dBuV	dB	Detector
1 0.2	459 43.03	10.02	53.05	31.89	-8.84	QP
2 0.2	459 23.64	10.02	33.66	1.89	-18.23	AVG
3 * 0.30	059 42.31	10.02	52.33	80.08	-7.75	QP
5 0.5			32.33	0.00	-7.75	G
	059 26.83	10.02			-13.23	AVG
4 0.30	059 26.83 419 36.06		36.85 5			
4 0.3d 5 1.2d			36.85 5 46.12 5	50.08	-13.23 -9.88	AVG
4 0.30 5 1.20 6 1.20	419 36.06	10.06 10.06	36.85 5 46.12 5 26.17 4	6.00 6.00	-13.23 -9.88	AVG QP
4 0.30 5 1.20 6 1.20 7 2.30	419 36.06 419 16.11	10.06 10.06 10.05	36.85 5 46.12 5 26.17 4 47.23 5	6.00 6.00 6.00	-13.23 -9.88 -19.83	AVG QP AVG
4 0.30 5 1.20 6 1.20 7 2.30 8 2.30	419 36.06 419 16.11 580 37.18	10.06 10.06 10.05 10.05	36.85 5 46.12 5 26.17 4 47.23 5 28.73 4	60.08 66.00 66.00 66.00 66.00	-13.23 -9.88 -19.83 -8.77	AVG QP AVG QP
4 0.30 5 1.20 6 1.20 7 2.30 8 2.30 9 3.30	419 36.06 419 16.11 580 37.18 580 18.68	10.06 10.06 10.05 10.05 10.01	36.85 5 46.12 5 26.17 4 47.23 5 28.73 4 45.30 5	60.08 66.00 66.00 66.00 66.00	-13.23 -9.88 -19.83 -8.77 -17.27	AVG QP AVG QP AVG
4 0.30 5 1.20 6 1.20 7 2.30 8 2.30 9 3.30 10 3.30	419 36.06 419 16.11 580 37.18 580 18.68 660 35.29	10.06 10.06 10.05 10.05 10.01	36.85 5 46.12 5 26.17 4 47.23 5 28.73 4 45.30 5 24.58 4	60.08 66.00 66.00 66.00 66.00 66.00	-13.23 -9.88 -19.83 -8.77 -17.27 -10.70	AVG QP AVG QP AVG



TOBY Page:

EUT:	MID		Mo	odel Name :		MID1008-	L
Temperature:	25 °C		Re	lative Humidit	y:	55%	A Maria
Test Voltage:	AC 1	20V/60 Hz		1.0	63	TIME	
Terminal:	Line) _	ARGE		1		
Test Mode:	AC C	harging wit	n TX B Mode	e (1/1/1/1)		A V	
Remark:	Only	worse case	is reported	0	M	73	
90.0 dBuV							
X X			Mallow of the same	white frequency for the	lot poron	There have have to	pea AVI
0.150	0.5		(MHz)	5			30.000
		Reading	Correct	Measure-	: i4	0	30.000
	Freq.	Level	Correct Factor	Measure- ment L	imit	Over	
0.150 No. Mk.	Freq.	Level dBuV	Correct Factor	Measure- ment L	dBu∨	dB	Detector
0.150 No. Mk.	Freq. MHz	dBuV 34.53	Correct Factor dB 9.98	Measurement L dBuV c 44.51 6	dBu∨ 4.57	dB -20.06	Detector
0.150 No. Mk.	Freq. MHz 0.1780	dBuV 34.53 14.84	Correct Factor dB 9.98 9.98	Measurement L dBuV 44.51 6 24.82 5	dBu√ 4.57 4.57	dB -20.06 -29.75	Detector QP AVG
0.150 No. Mk. 1 * 0 2 0 3 0	Freq. MHz 0.1780 0.1780 0.2420	dBuV 34.53 14.84 29.04	Correct Factor dB 9.98 9.98 10.02	Measurement L dBuV 0 44.51 6 24.82 5 39.06 6	dBu∨ 4.57 4.57 2.02	dB -20.06 -29.75 -22.96	Detector QP AVG QP
0.150 No. Mk. 1 * 0 2 0 3 0 4 0	Freq. MHz 0.1780	dBuV 34.53 14.84	Correct Factor dB 9.98 9.98	Measurement L dBuV 44.51 6 24.82 5 39.06 6 22.65 5	4.57 4.57 2.02 2.02	dB -20.06 -29.75	Detector QP AVG
0.150 No. Mk. 1 * 0 2 0 3 0 4 0 5 0	Freq. MHz 0.1780 0.1780 0.2420 0.2420	Level dBuV 34.53 14.84 29.04 12.63	Correct Factor dB 9.98 9.98 10.02	Measurement L dBuV	4.57 4.57 2.02 2.02 7.18	dB -20.06 -29.75 -22.96 -29.37	Detector QP AVG QP AVG
0.150 No. Mk. 1 * 0 2 0 3 0 4 0 5 0 6 0	Freq. MHz 0.1780 0.1780 0.2420 0.2420 0.4340	dBuV 34.53 14.84 29.04 12.63 26.89	Correct Factor dB 9.98 9.98 10.02 10.02	Measurement L dBuV c 44.51 6 24.82 5 39.06 6 22.65 5 36.91 5	4.57 4.57 2.02 2.02 7.18 7.18	dB -20.06 -29.75 -22.96 -29.37 -20.27	Detector QP AVG QP AVG
0.150 No. Mk. 1 * 0 2 0 3 0 4 0 5 0 6 0 7 1	Freq. MHz 0.1780 0.1780 0.2420 0.2420 0.4340 0.4340	Level dBuV 34.53 14.84 29.04 12.63 26.89 12.11	Correct Factor dB 9.98 9.98 10.02 10.02 10.02	Measurement L dBuV	4.57 4.57 2.02 2.02 7.18 6.00	dB -20.06 -29.75 -22.96 -29.37 -20.27 -25.05	Detector QP AVG QP AVG QP AVG
0.150 No. Mk. 1 * 0 2 0 3 0 4 0 5 0 7 1 8 1	Freq. MHz 0.1780 0.1780 0.2420 0.2420 0.4340 0.4340 1.2020	Level dBuV 34.53 14.84 29.04 12.63 26.89 12.11 17.87	Correct Factor dB 9.98 9.98 10.02 10.02 10.02 10.02 10.06	Measurement L dBuV	4.57 4.57 2.02 2.02 7.18 7.18 6.00 6.00	dB -20.06 -29.75 -22.96 -29.37 -20.27 -25.05 -28.07	Detector QP AVG QP AVG QP AVG
0.150 No. Mk. 1 * 0 2 0 3 0 4 0 5 0 7 1 8 1 9 2	Freq. MHz 0.1780 0.1780 0.2420 0.2420 0.4340 0.4340 1.2020	Level dBuV 34.53 14.84 29.04 12.63 26.89 12.11 17.87 0.23	Correct Factor dB 9.98 9.98 10.02 10.02 10.02 10.06 10.06	Measurement L dBuV	4.57 4.57 2.02 2.02 7.18 7.18 6.00 6.00	dB -20.06 -29.75 -22.96 -29.37 -20.27 -25.05 -28.07 -35.71	Detector QP AVG QP AVG QP AVG QP QP
0.150 No. Mk. 1 * 0 2 0 3 0 4 0 5 0 7 1 8 1 9 2 10 2	Freq. MHz 0.1780 0.1780 0.2420 0.2420 0.4340 0.4340 1.2020 1.2020 2.3340	Level dBuV 34.53 14.84 29.04 12.63 26.89 12.11 17.87 0.23 20.33	Correct Factor dB 9.98 9.98 10.02 10.02 10.02 10.06 10.06 10.05	Measurement L dBuV 44.51 6 24.82 5 39.06 6 22.65 5 36.91 5 22.13 4 27.93 5 10.29 4 30.38 5 12.36 4	4.57 4.57 2.02 2.02 7.18 7.18 6.00 6.00 6.00	dB -20.06 -29.75 -22.96 -29.37 -20.27 -25.05 -28.07 -35.71 -25.62	Detector QP AVG QP AVG QP AVG AVG



30.000



0.150

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EUT:	MID	Model Name :	MID1008-L
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60 Hz	MISS.	
Terminal:	Neutral		
Test Mode:	AC Charging with TX B M	lode	A VIII
Remark:	Only worse case is report	ed	1:33
90.0 dBuV			
			QP: — AVG: —
40	The least the shape of the shap	The war market price and the contract of the c	afte

No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	O∨er	
	MHz	dBu∀	dB	dBu∀	dBu∀	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
							-

(MHz)

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

Emission Level= Read Level+ Correct Factor

0.5



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

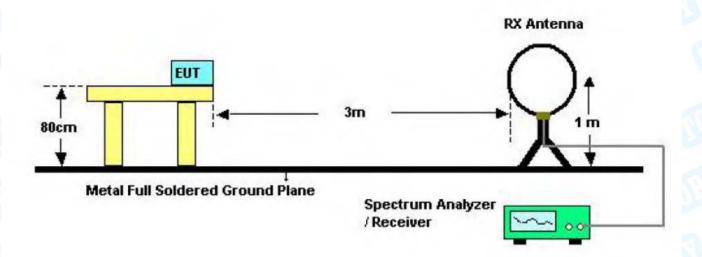
Note:

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

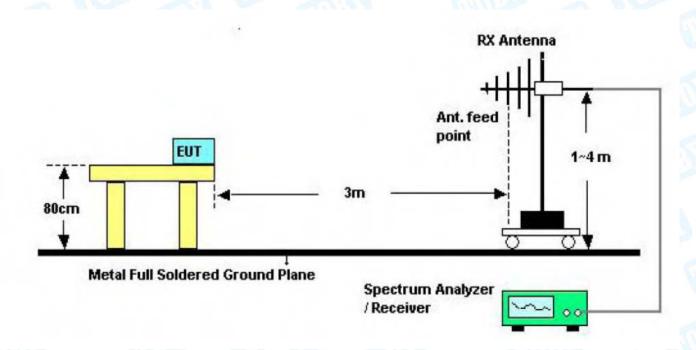


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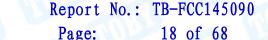
5.2 Test Setup



Below 30MHz Test Setup



Below 1000MHz Test Setup





Antenna tower

Horn antenna

Spectrum analyzer

Turntable 1.5m 1m 30cm

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.



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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.



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UT:		MID			M	odel:		MID1008-L				
emperat	ure:	25 °	C		R	elative Hur	nidity:	55%	6	A		
est Volta	age:	AC 1	120V/6	60 Hz		8.0 0	R		33			
nt. Pol.		Horiz	zontal		Akar					1	dist	
est Mod	e:	TX E	3 Mod	e 2412	2MHz	GHID			1			
Remark:		Only	wors	e case	is reported	1	CILI		3		. (
80.0 dBuV/	m											
30	A Manager	agen Many	1	Why when	2 2 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		5 X	CC 15C		ation in -6 dB		
20 30.000	40 50	60 7	0 80		(MHz)	30	00 400	500	600 7	700	1000.000	
30.000		60 7		ading	(MHz)	Measure	_				1000.000	
		60 7	Rea	ading					600 7		1000.000	
30.000	lk. F		Rea Le	_	Correct	Measure	_	t		•	1000.000	
30.000	lk. F	req.	Rea Le	evel	Correct Factor	Measure ment	- Limi	t //m	O∨er	D		
30.000 No. M	lk. F №	req. 1Hz	Rea Le	e vel BuV	Correct Factor	Measure ment dBuV/m	- Limi dBu\	t //m DO	Over	D	etector	
No. M	lk. F 81.7 131.	req. 1Hz 7831	Rea Le dE 55	evel 3uV 5.19	Correct Factor dB/m -23.18	Measure ment dBuV/m 32.01	Limi dBu\	t "m 00	O∨er dB -7.99	9 9	etector peak	
No. M	lk. F 81.7 131. 160.	req. 1Hz 7831 2965	Rea Le 55 54	BuV 5.19 1.26	Correct Factor dB/m -23.18 -22.15	Measure ment dBuV/m 32.01 32.11	Limi dBu\ 40.0	t //m DO 50	Over dB -7.99	9 9 1	etector peak peak	
No. M 1 * 2 3	81.7 131. 160. 275.	req. 1Hz 7831 2965 9088	Rea Le 55 54 54 50	BuV 5.19 1.26 1.96	Correct Factor dB/m -23.18 -22.15 -20.57	Measure ment dBuV/m 32.01 32.11 34.39	Limi dBu\ 40.0 43.5	t 7/m 00 50 50	Over dB -7.99 -11.3 -9.1	9 9 1	etector peak peak peak	



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MID		Mo	odel:		MID1008-L	
25 ℃	Call!	Re	elative Humi	dity:	55%	
AC 12	20V/60 Hz		10	66	MASS	
Vertic	al	A BUT.		1 6		
TX B	Mode 2412	MHz	CALIFE S	2		A STATE OF
Only	worse case	is reported	The same	6111	:33	
MAN CANAL CA	3 X X X X X X X X Y Y Y Y Y Y Y Y Y Y Y	(MHz)	300	6 X 400	C 15C 3M Radiation Margin -6	dB
Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
MHz	dBu∀	dB/m	dBuV/m	dBuV/	m dB	Detecto
MHz 2. 4508	dBu∀ 57.17	dB/m -21.19	dBuV/m 35.98	dBu∀/ 40.0		Detecto peal
					0 -4.02	
2.4508	57.17	-21.19	35.98	40.0	0 -4.02 0 -3.84	peal peal
2.4508 7.8653 6.9495	57.17 59.51 52.78	-21.19 -23.35 -22.32	35.98 36.16 30.46	40.0 40.0 43.5	0 -4.02 0 -3.84 0 -13.04	peal peal peal
2.4508 7.8653	57.17 59.51	-21.19 -23.35	35.98 36.16	40.0	0 -4.02 0 -3.84 0 -13.04 0 -6.50	peal
	AC 12 Vertice TX B Only v	AC 120V/60 Hz Vertical TX B Mode 2412 Only worse case	AC 120V/60 Hz Vertical TX B Mode 2412MHz Only worse case is reported Reading Correct	AC 120V/60 Hz Vertical TX B Mode 2412MHz Only worse case is reported	AC 120V/60 Hz Vertical TX B Mode 2412MHz Only worse case is reported (RF)FC (RF)FC Reading Correct Measure	AC 120V/60 Hz Vertical TX B Mode 2412MHz Only worse case is reported (RF)FCC 15C 3M Radiation Margin 6



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UT:	MID	Model:	MID1008-L
emperature:	25 ℃	Relative Humi	idity: 55%
est Voltage:	AC 120V/60 Hz		
Ant. Pol.	Horizontal	THU .	
est Mode:	TX B Mode 2437MHz		
Remark:	Only worse case is re	eported	
80.0 dBuV/m			
			(RF)FCC 15C 3M Radiation
			Margin -6 dB
			5
30	1 2	3 × × × × × × × × × × × × × × × × × × ×	X 6
uma of	My may my	January Market 18 Mar	Make make proper day throughout make an all properties and
and James Operation	and the same	M	
30.000 40 50	60 70 80	(MHz) 300	400 500 600 700 1000.000
No. Mk. Fr	•	orrect Measure- actor ment	Limit Over
M	Hz dBuV d	IB/m dBuV/m	dBuV/m dB Detector
1 * 81.7	831 51.19 -2	3.18 28.01	40.00 -11.99 peak
2 135.0	0319 47.91 -2	2.08 25.83	43.50 -17.67 peak
3 160.9	9088 50.46 -2	0.57 29.89	43.50 -13.61 peak
4 275.1	1569 48.58 -1	7.57 31.01	46.00 -14.99 peak
5 364.2	2595 45.41 -1	4.52 30.89	46.00 -15.11 peak
6 520.8	3881 33.98 -1	0.40 23.58	46.00 -22.42 peak



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EUT:	:		MID			N	lodel:		MID	1008-L	10	
Гет	peratur	e:	25 °C	C	THE	R	Relative Hu	umidity:	55%		500	ŀ
Гest	Voltage	e :	AC 1	20V/6	60 Hz		20	6	ME	33		
۱nt.	Pol.		Horiz	zontal		ABILI		57				
Гest	Mode:		TX B	Mod	e 2437	MHz				187	A STATE OF	
Rem	nark:		Only	wors	e case	is reported	d	6.11	135	3		
80.0	dBuV/m											_
30		mong of property of	w	2	3 January Marky	**************************************	No many many many many many many many many	5 X	6 6	BM Radiation Margin -6	dB	
20 30.0	000 40	50	60 70		ading	(MHz)		300 400	500	600 700	1000]]]Ou
		_			_				:4	A		
N	lo. Mk.		eq.	Le	evel	Factor	ment	Lim		Over		
		M	- Hz	L∈ dl	BuV	Factor dB/m	m ent dBuV/m	Lim dBu	//m	dB	Detec	
1	lo. Mk.		- Hz	L∈ dl	evel	Factor	ment	Lim dBu	//m		Detection pea	
		M	- ⊣z 508	Le di 58	BuV	Factor dB/m	m ent dBuV/m	Lim dBu' 40.	//m 00	dB		al
1	ļ.	MI 42.4	-iz 508 653	58 61	evel Bu V 3.17	Factor dB/m -21.19	ment dBuV/m 36.98	Lim dBu 40.	//m 00 00	dB -3.02	pea	al al
1 2	ļ.	42.4 77.8	508 653 9495	58 61	BuV 3.17 1.01	dB/m -21.19 -23.35	ment dBuV/m 36.98 37.66	Lim dBu' 40. 40. 43.	//m 00 00 50	dB -3.02 -2.34	pea pea	al al
1 2 3	ļ.	42.4 77.8 116.9	508 653 9495 0414	58 61 52	BuV 3.17 1.01 2.28	Hactor dB/m -21.19 -23.35 -22.32	ment dBuV/m 36.98 37.66 29.96	Lim dBu' 40. 40. 43.	//m 00 00 50	dB -3.02 -2.34 -13.54	pea pea	al al



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		MID)				Mod	el:			MID'	1008	-L	
rature:		25	$^{\circ}$ C		M	133	Rela	tive H	umid	ity:	55%	1	1	
oltage:		AC	120	V/60) Hz		TO !	1		6	III			_
ol.		Hor	izor	ıtal		113				1			45	
ode:		TX	ВМ	ode	2462	2MHz		THE			A	1/2		
k:		Only	y w	orse	case	is repo	rted	18-10-		TIME.				
uV/m														
mera				M	And soften	2 3	**************************************	5 X K*Vy/MV		6	C 15C 3			3 F
40	50	60 7	70 8	0		(МН	z)		300	400	500	600 7	00	1000.0
Mk.	Fre	q.		Lev	el					Limit	(o∨er		
	MH:	Z		dBu	V	dB/m		dBuV/m	1	dBuV/r	n	dB	D	etecto
79	9.52	207		52.2	23	-23.3	0	28.93		40.00) -	11.0	7	peal
13	35.03	319		48.4	11	-22.0	8	26.33		43.50) -	17.1	7	peal
16	30.90	380		50.9	96	-20.5	7	30.39	1	43.50) -	13.1	1	peal
20	07.8	498		48.2	23	-20.0	5	28.18	•	43.50) -	15.3	2	peal
		500		49.5	58	-17.5	7	32.01		46.00) -	13.9	9	peal
27	75.1	900												
	oltage: ol. ode: k: uw/m 40 Mk.	oltage: ol. ode: k: uw/m 40 50 Mk. Fre MH 79.52 135.03	rature: 25 pltage: AC pl. Hor pde: TX k: Onli	rature: 25 °C pltage: AC 120 pl. Horizon pde: TX B M k: Only wo w/m 40 50 60 70 8 MK. Freq. MHz 79.5207 135.0319 160.9088	rature: 25 °C pltage: AC 120V/60 pl. Horizontal pde: TX B Mode k: Only worse w//m A0 50 60 70 80 Read Mk. Freq. Lev MHz dBu 79.5207 52.2 135.0319 48.4 160.9088 50.9	rature: 25 °C Pltage: AC 120V/60 Hz Pl. Horizontal Dode: TX B Mode 2462 R: Only worse case W/m Mk. Freq. Reading Level MHz dBuV 79.5207 52.23 135.0319 48.41 160.9088 50.96	rature: 25 °C oltage: AC 120V/60 Hz ol. Horizontal ode: TX B Mode 2462MHz Conly worse case is report ov/m Reading Corre MHz dBuV dB/m 79.5207 52.23 -23.30 135.0319 48.41 -22.00 160.9088 50.96 -20.5	Reading Correct M MK. Freq. Level Factor MHz dBuV dB/m 79.5207 52.23 -23.30 135.0319 48.41 -22.08 101. Horizontal Relation Relation A	Relative Highlight AC 120V/60 Hz In the political series of the political ser	rature: 25 °C Relative Humid oltage: AC 120V/60 Hz olt. Horizontal ode: TX B Mode 2462MHz k: Only worse case is reported w//m Reading Correct Measure— Mk. Freq. Level Factor ment MHz dBuV dB/m dBuV/m 79.5207 52.23 -23.30 28.93 135.0319 48.41 -22.08 26.33 160.9088 50.96 -20.57 30.39	Reading Correct Measure— MHz dBuV dB/m dBuV/m dBuV/m 100.9088 50.96 -20.57 30.39 43.50	Reading Correct Measure— Level Factor ment Limit Company days and days are sensitive days and days are sensitive days are sensitive days and days are sensitive days and days are sensitive days are sensit	Relative Humidity: 55% Relative Humidity: 55% State Sta	rature: 25 °C Relative Humidity: 55% Stage: AC 120V/60 Hz





*:Maximum data

x:Over limit !:over margin

Emission Level= Read Level+ Correct Factor

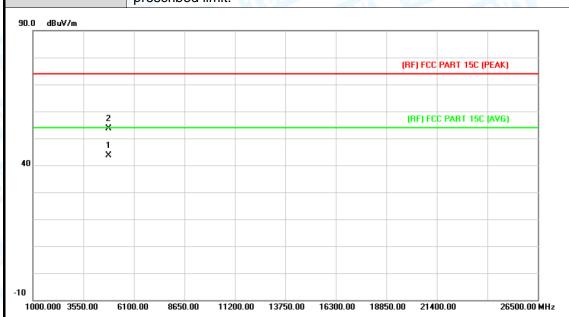
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EUT:	MID	Model:	MID1008-L				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60 Hz						
Ant. Pol.	Horizontal	ontal					
Test Mode:	TX B Mode 2462MHz						
Remark:	Only worse case is	reported	1:33				
80.0 dBuV/m							
30	3 M/W/\ //////////////////////////////////	4 **	FCC 15C 3M Radiation Margin -6 dB				
W V	The state of the s	W Market	gat Marie, gard for the day on your photos and a garden department of the second				
20 30.000 40 50	60 70 80		And the state of t				
30.000 40 50	60 70 80 Reading C	55 X	0 500 600 700 1000.00				
No. Mk. F	60 70 80 Reading C	(MHz) 300 400 Correct Measure-	it Over				
No. Mk. F	Reading Control Level MHz dBuV	(MHz) 300 400 Correct Measure- Factor ment Limit	it Over //m dB Detector				
No. Mk. F	Reading C Freq. Level MHz dBuV 4508 57.67 -	(MHz) 300 400 Correct Measure- Factor ment Limited MB/m dBuV/m dBuV	it Over //m dB Detector 00 -3.52 peak				
No. Mk. F	Reading C Freq. Level MHz dBuV 4508 57.67 - 8653 59.01 -	(MHz) 300 400 Correct Measure- Factor ment Limited B/m dBuV/m dBuV 21.19 36.48 40.40	it Over //m dB Detector 00 -3.52 peak 00 -4.34 peak				
No. Mk. F 1 * 42. 2 ! 77. 3 135	Reading C Level dBuV 4508 57.67 - 8653 59.01 -	(MHz) 300 400 Correct Measure- Factor ment Limited MB/m dBuV/m dBuV 21.19 36.48 40.40 23.35 35.66 40.40	it Over //m dB Detector 00 -3.52 peak 00 -4.34 peak 50 -15.08 peak				
No. Mk. F 1 * 42. 2 ! 77. 3 135 4 162	Reading C Level dBuV 4508 57.67 - 8653 59.01 - 6.5062 50.49 -	(MHz) 300 400 Correct Measure- Factor ment Limited Blue 21.19 36.48 40.123.35 35.66 40.122.07 28.42 43.12	it Over //m dB Detector 00 -3.52 peak 00 -4.34 peak 50 -15.08 peak 50 -8.46 peak				



26 of 68 Page:

		10:00	CALL TO THE PARTY OF THE PARTY					
EUT:	MID	Model:	MID1008-L					
Temperature:	25 ℃	Relative Humidity:	55%					
Test Voltage:	AC 120V/60 Hz	AC 120V/60 Hz						
Ant. Pol.	Horizontal							
Test Mode:	TX B Mode 2412MHz							
Remark:	No report for the emission	No report for the emission which more than 10 dB below the						
	prescribed limit.							



N	o. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∀	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



EUT: MID Model: MID1008-L

Temperature: 25 °C Relative Humidity: 55%

Test Voltage: AC 120V/60 Hz
Ant. Pol. Vertical

Test Mode: TX B Mode 2412MHz

Remark: No report for the emission which more than 10 dB below the prescribed limit.

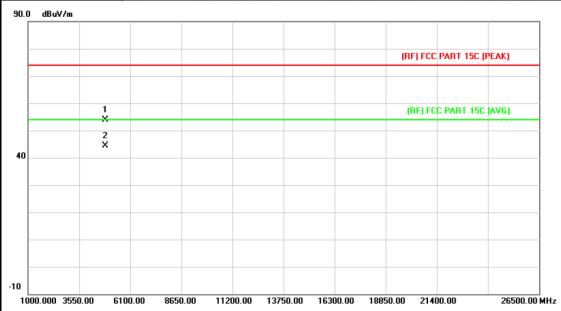


	No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
			MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1			4824.364	38.46	13.56	52.02	74.00	-21.98	peak
2	2	*	4824.368	31.12	13.56	44.68	54.00	-9.32	AVG



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			III WILLIAM TO THE STATE OF THE				
EUT:	MID	Model:	MID1008-L				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60 Hz	AC 120V/60 Hz					
Ant. Pol.	Horizontal						
Test Mode:	TX B Mode 2437MHz						
Remark:	No report for the emissio prescribed limit.	No report for the emission which more than 10 dB below the					

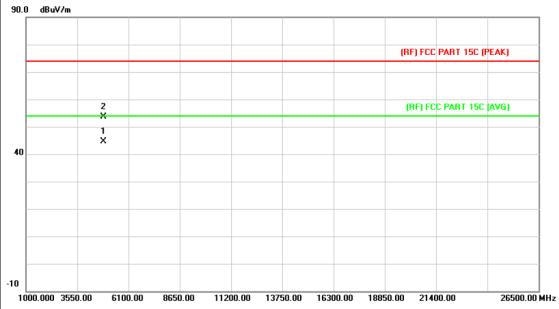


	No.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
			MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1			4873.879	40.12	13.86	53.98	74.00	-20.02	peak
2	2	*	4873.987	30.45	13.86	44.31	54.00	-9.69	AVG



29 of 68 Page:

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

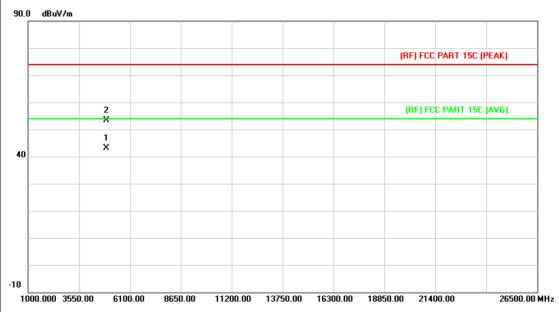


N	lo. Mk	ι. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detecto
1	*	4874.325	30.71	13.86	44.57	54.00	-9.43	AVG
2		4874.354	39.82	13.86	53.68	74.00	-20.32	peak



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

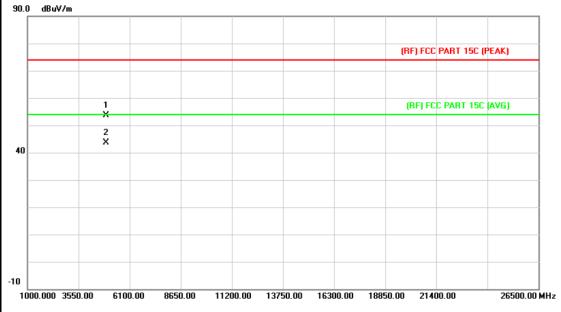


No	o. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4923.574	29.10	14.15	43.25	54.00	-10.75	AVG
2		4923.654	39.28	14.15	53.43	74.00	-20.57	peak



Report No.: TB-FCC145090 Page: 31 of 68

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

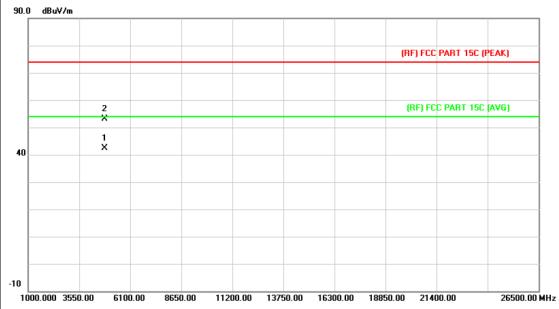


No.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4923.677	39.53	14.15	53.68	74.00	-20.32	peak
2	*	4923.687	29.53	14.15	43.68	54.00	-10.32	AVG



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

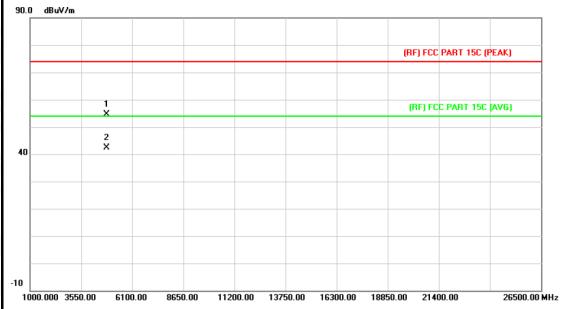


No	. Mk	. Freq.	_	Correct Factor	Measure- ment	Limit	O∨er	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4823.697	28.79	13.56	42.35	54.00	-11.65	AVG
2		4823.941	39.68	13.56	53.24	74.00	-20.76	peak



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

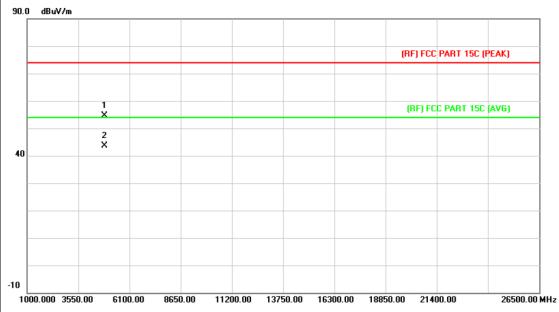


No	. Mk	. Freq.	_	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4823.271	41.11	13.56	54.67	74.00	-19.33	peak
2	*	4823.612	28.79	13.56	42.35	54.00	-11.65	AVG



Page: 34 of 68

EUT:	MID	Model:	MID1008-L			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60 Hz					
Ant. Pol.	Horizontal	Horizontal				
Test Mode:	TX G Mode 2437MHz					
Remark:	No report for the emission which more than 10 dB below the prescribed limit.					
00.0 40.34						

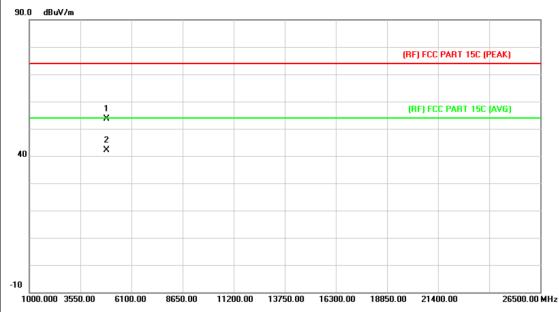


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4873.193	40.81	13.86	54.67	74.00	-19.33	peak
2	*	4873.671	29.79	13.86	43.65	54.00	-10.35	AVG



Page: 35 of 68

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



No	. Mk	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∨	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



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

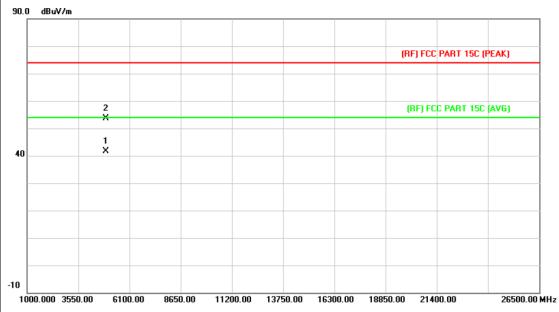


No	. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	O∨er	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4923.428	27.20	14.15	41.35	54.00	-12.65	AVG
2		4923.670	39.59	14.15	53.74	74.00	-20.26	peak



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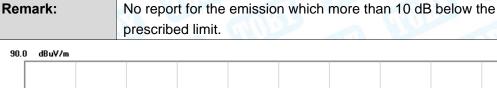
EUT:	MID	Model:	MID1008-L			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60 Hz	01 - 0				
Ant. Pol.	Vertical	Vertical				
Test Mode:	TX G Mode 2462MHz					
Remark:	No report for the emissio prescribed limit.	n which more than 10 o	dB below the			
00.0 10.41						

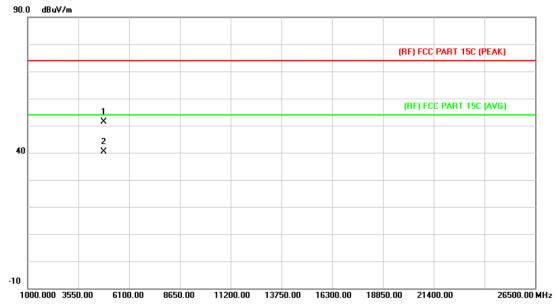


No	o. Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4923.126	27.52	14.15	41.67	54.00	-12.33	AVG
2		4923.148	39.52	14.15	53.67	74.00	-20.33	peak



William Contract			
EUT:	MID	Model:	MID1008-L
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60 Hz	(1) T	THE STATE OF THE S
Ant. Pol.	Horizontal		
Test Mode:	TX N(HT20) Mode 2412	ИНz	
Demonstr	No non out fou the our is a in	a cultiple and an a the air 40	dD b alass tha

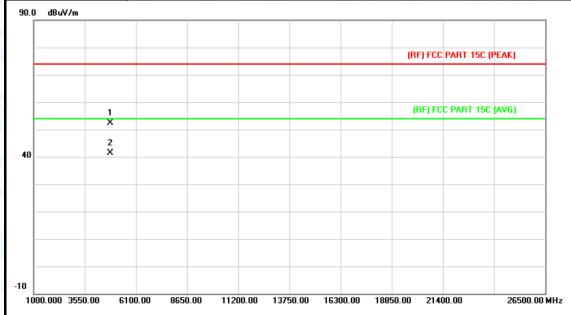




1	No. Mk	Freq.	_	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4823.764	37.78	13.56	51.34	74.00	-22.66	peak
2	*	4823.831	26.79	13.56	40.35	54.00	-13.65	AVG



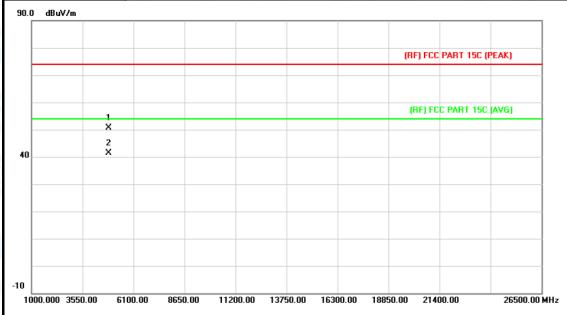
EUT:	MID	Model:	MID1008-L				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60 Hz	C 120V/60 Hz					
Ant. Pol.	Vertical						
Test Mode:	TX N(HT20) Mode 2412N	ИHz					
Remark:	No report for the emissio	No report for the emission which more than 10 dB below the					
	prescribed limit.						



No	Mk.	Freq.	_	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	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



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

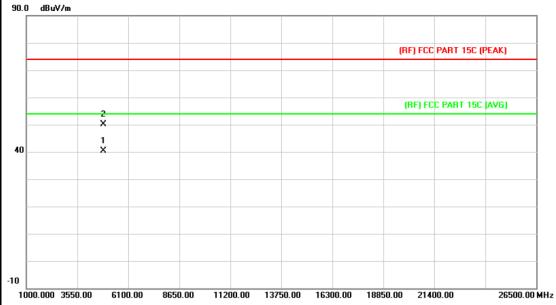


N	o. Mk	. Freq.	_	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4873.128	36.81	13.86	50.67	74.00	-23.33	peak
2	*	4873.684	27.48	13.86	41.34	54.00	-12.66	AVG



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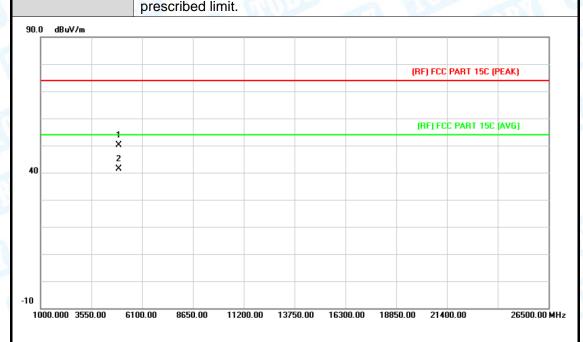
EUT:	MID	Model:	MID1008-L			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60 Hz	AC 120V/60 Hz				
Ant. Pol.	Vertical	Vertical				
Test Mode:	TX N(HT20) Mode 2437	ИНz				
Remark:	No report for the emission which more than 10 dB below the					
	prescribed limit.	prescribed limit.				



No	o. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
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



A Marie		17:13	
EUT:	MID	Model:	MID1008-L
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60 Hz		ALL STATES
Ant. Pol.	Horizontal		
Test Mode:	TX N(HT20) Mode 2462	MHz	
Remark:	No report for the emissio	n which more than 10	dB below the

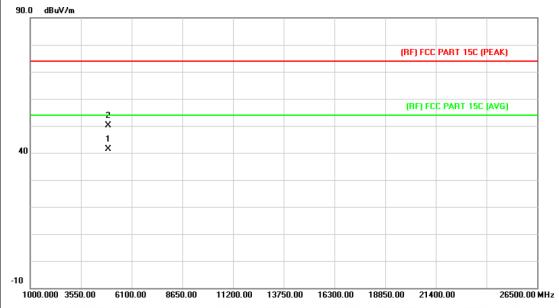


No	. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4923.501	35.96	14.15	50.11	74.00	-23.89	peak
2	*	4923.603	27.20	14.15	41.35	54.00	-12.65	AVG



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



No	o. Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
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



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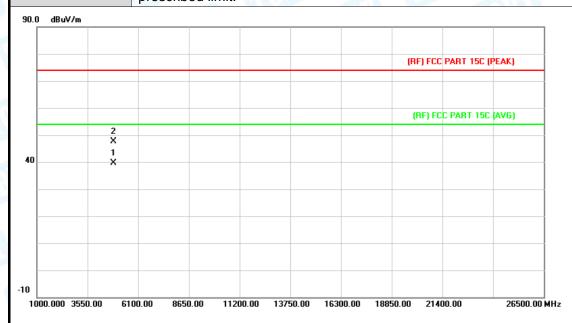
EUT:	MID	Model:	MID1008-L					
Temperature:	25 ℃ Relative Humidity: 55%							
Test Voltage:	AC 120V/60 Hz	AC 120V/60 Hz						
Ant. Pol.	Horizontal	Horizontal						
Test Mode:	TX N(HT40) Mode 2422I	MHz	A WILL					
Remark:	No report for the emission which more than 10 dB below the prescribed limit.							



No	o. Mk	. Freq.	_	Correct Factor	Measure- ment	Limit	O∨er	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
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



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



N	1o. I	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
			MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	+	t .	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



EUT: MID Model: MID1008-L

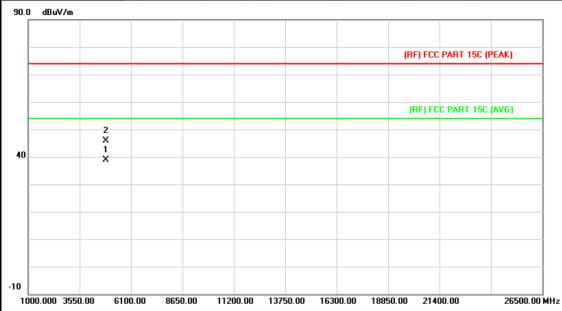
Temperature: 25 °C Relative Humidity: 55%

Test Voltage: AC 120V/60 Hz

Ant. Pol. Horizontal

Test Mode: TX N(HT40) Mode 2437MHz

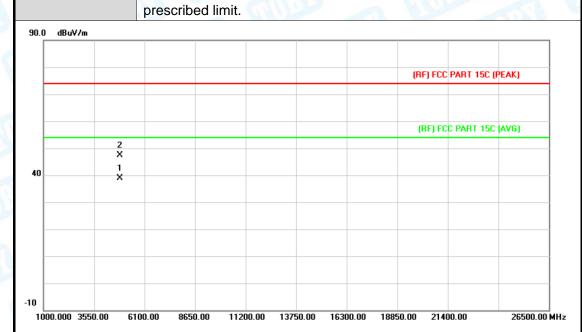




	10. N	1k.	Freq.	Reading Level		Measure- ment	Limit	Over	
			MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4	4873.647	25.01	13.86	38.87	54.00	-15.13	AVG
2		4	4873.762	32.12	13.86	45.98	74.00	-28.02	peak



A HELL		17:13					
EUT:	MID	Model:	MID1008-L				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60 Hz						
Ant. Pol.	Vertical						
Test Mode:	TX N(HT40) Mode 2437MHz						
Remark:	No report for the emission	No report for the emission which more than 10 dB below the					

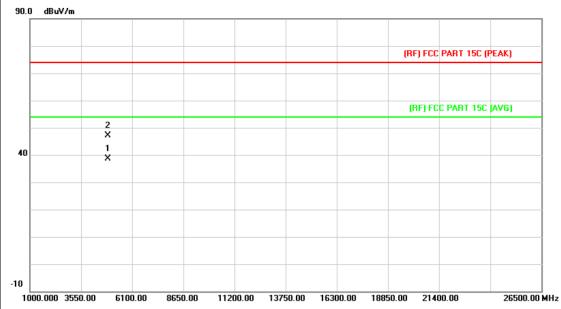


No	o. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4874.124	25.01	13.86	38.87	54.00	-15.13	AVG
2		4874.145	33.40	13.86	47.26	74.00	-26.74	peak



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EUT:	MID	Model:	MID1008-L					
Temperature:	25 ℃ Relative Humidity: 55%							
Test Voltage:	AC 120V/60 Hz	AC 120V/60 Hz						
Ant. Pol.	Horizontal	Horizontal						
Test Mode:	TX N(HT40) Mode 2452I	ИНz	THE PARTY OF THE P					
Remark:	No report for the emission which more than 10 dB below the prescribed limit.							



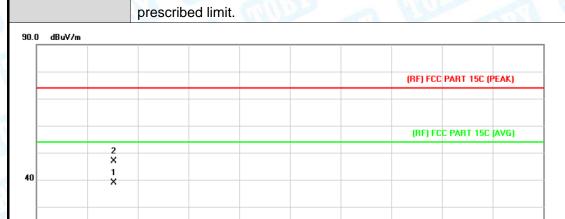
No	o. Mk.	Freq.	_	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4903.124	24.61	14.03	38.64	54.00	-15.36	AVG
2		4903.742	33.18	14.03	47.21	74.00	-26.79	peak



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26500.00 MHz

EUT:	MID	Model:	MID1008-L				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60 Hz	131	TOUR				
Ant. Pol.	Vertical						
Test Mode:	TX N(HT40) Mode 2452	TX N(HT40) Mode 2452MHz					
Remark:	No report for the emission	No report for the emission which more than 10 dB below the					



Reading Correct Measure-Limit Over No. Mk. Level Factor ment Freq. dBuV MHz dBuV/m dBuV/m dΒ Detector dB/m 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

16300.00 18850.00 21400.00

11200.00 13750.00

Emission Level= Read Level+ Correct Factor

1000.000 3550.00

6100.00

8650.00



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6. Restricted Bands Requirement

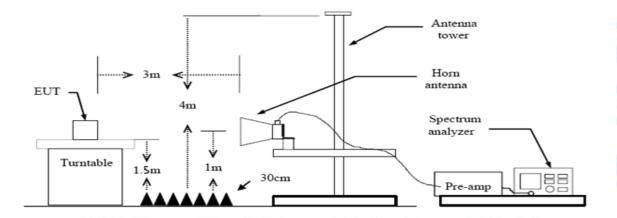
6.1 Test Standard and Limit

6.1.1 Test Standard FCC Part 15.209 FCC Part 15.205

6.1.2 Test Limit

Restricted Frequency	Class B (dBuV/m)(at 3 M)				
Band (MHz)	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



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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.





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(1) Radiation Test

EUT:	MID	Model:	MID1008-L
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60 Hz	U. A.	
Ant. Pol.	Horizontal	WW CO	THU .
Test Mode:	TX B Mode 2412MHz		(1) T
Remark:	N/A		



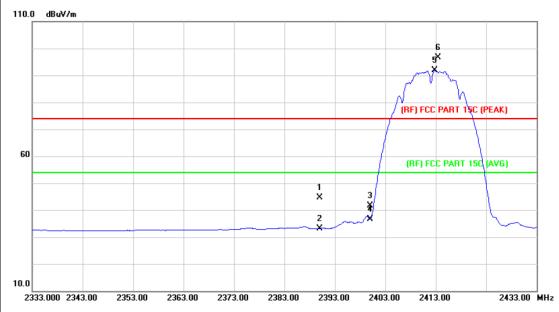
No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	46.47	0.77	47.24	74.00	-26.76	peak
2		2390.000	34.31	0.77	35.08	54.00	-18.92	AVG
3		2400.000	46.80	0.81	47.61	Fundamenta	l Frequency	peak
4		2400.000	40.61	0.81	41.42	Fundamenta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





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EUT:	MID	Model:	MID1008-L
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60 Hz	01 - 0	in in
Ant. Pol.	Vertical		
Test Mode:	TX B Mode 2412MHz		
Remark:	N/A		



No.	Mk.	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	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	Χ	2413.500	95.74	0.86	96.60	74.00	22.60	peak



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UT:			MID	170		2	Mo	del:			M	ID1008-L		
empe	ratur	e:	25 °C		TI	13	Re	lative	Hur	midity:	55	5%		ŀ
Test Vo	oltage	e:	AC 1	20V/60	Hz		500			6	M	133		A.
Ant. P	ol.		Horiz	ontal		MA				1				
Test M	ode:		ТХВ	Mode	2462	MHz		(1)				J 11		
Remar	k:		N/A	MA				18				3		1
110.0 d	BuV/m													
60	M		1 X2			3 X 4 X				(A	F) FCC I	ART 15C (PEA	(6)	
2439.0	00 2449	1.00 2	459.00	2469.00	2479	.00 24	89.00	2499.0	UU .	2509.00	2519.0	IU	2539.00	МН
No.	Mk.	Fr	eq.	Read Lev	_	Corre		Mea: me		- Lim	nit	Over		
		MI	Hz	dBu	V	dB/m	1	dBu	ıV/m	dBu	ıV/m	dB	Dete	ecto
1	Х	2460	.500	99.0)7	1.06	3	100	0.13	Fundam	nental l	Frequency	ре	ak
2	*	2461	.320	94.8	32	1.07	7	95	.89	Fundam	nental l	Frequency	Α١	/G
		2483	.500	45.0)4	1.17	7	46	.21	74	.00	-27.79	ре	ak
3		2483		33.6	20	1.17	7	34	.85	54	.00	-19.15	Δ١	/G





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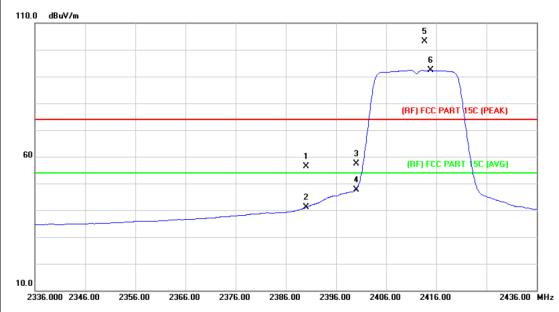
EUT	:		MID			Model:			MI	D1008-L	
Гет	peratu	re:	25 °C		323	Relative	e Hun	nidity:	55	%	1117
Test	Voltag	e:	AC 1	20V/60 Hz		53/6		E		133	
۹nt.	Pol.		Verti	cal	U.S.			A. I			
Test	Mode:		TX E	Mode 2462	2MHz	(1)	1115			1 11/1	
Ren	nark:		N/A	A STATE		1 1		en	113	3	
110.0	dBuV/m										
60			1 X2 X4		3 X					ART 15C (PEAK	
10.0	39.000 244	9 00 2	459.00	2469.00 247	79.00 2489.	00 2499	nn 2	509.00 2	2519.0	n 2	2539.00 MI
24	33.000 244	3.00 2	.433.00	2403.00	2.00	50 2433	.00 2	303.00	2010.0		.555.00
N	lo. Mk	. Fr	eq.	Reading Level	Correc Factor		sure- ent	Limi	t	Over	
		MI	Hz	dBu∀	dB/m	dBı	uV/m	dBu∀	//m	dB	Detecto
		2460	.600	96.79	1.06	97	7.85	Fundam	ental	Frequency	peak
1	Х	2100							4-1		AVG
1	*	2461	.350	91.29	1.07	92	2.36	Fundan	nenta	I Frequency	700
				91.29 44.95	1.07 1.17		2.36 3.12	74.0		-27.88	peak





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EUT:	MID	Model:	MID1008-L
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60 Hz	01 - 0	
Ant. Pol.	Horizontal		
Test Mode:	TX G Mode 2412MHz		
Remark:	N/A		1:73



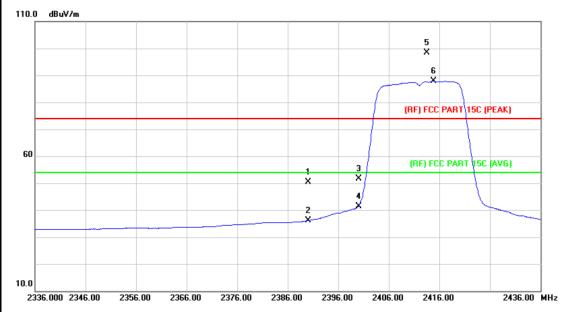
No.	Mk.	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	55.61	0.77	56.38	74.00	-17.62	peak
2		2390.000	40.29	0.77	41.06	54.00	-12.94	AVG
3		2400.000	56.57	0.81	57.38	Fundamental F	Frequency	peak
4		2400.000	46.92	0.81	47.73	- Fundamental F	requency	AVG
5	Χ	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





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EUT:	MID	Model:	MID1008-L
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60 Hz	01 - 0	
Ant. Pol.	Vertical		
Test Mode:	TX G Mode 2412MHz		THE PARTY OF
Remark:	N/A		1:73



No.	Mk.	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	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 I	Frequency	peak
4		2400.000	40.66	0.81	41.47	Fundamental	Frequency	AVG
5	Χ	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





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UT	Γ:		MID			/lodel:		MII	D1008-L	
em	peratu	re:	25 ℃	Carl'	F	Relative Hur	nidity:	559	%	M
es	t Voltaç	je:	AC 12	0V/60 Hz		SIR P	6	ME	13.5	
\ nt	. Pol.		Horizo	ontal	disc					
Tes	t Mode		TX G	Mode 2462	2MHz	CALL			111	No.
Ren	nark:		N/A	Marie Land	-	1800	CILI	1:3	3	_ (
110.0) dBuV/m									
60		1 x	2 X		3 X				RT 15C (PEAK)	
10.0 24	 39.000 24	49.00 2	2459.00	2469.00 247	9.00 2489.0	0 2499.00 2	2509.00	2519.00	25	39.00 MH
	No. MI	c. Fi	req.	Reading Level	Correc		- Lim	it	Over	
		М	1Hz	dBu∨	dB/m	dBuV/m	dBu	V/m	dB	Detect
1	*	2455	5.100	90.14	1.05	91.19	Fundam	ental F	requency	AVC
•	Х	2458	3.510	99.92	1.06	100.98	Fundam	ental F	requency	pea
2				50.68	1.17	51.85	74.	00	-22.15	pea
_		2483	3.500	50.00						



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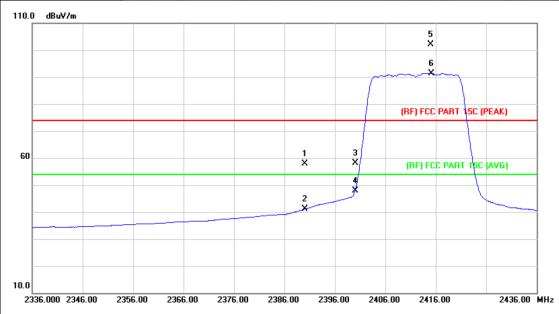
EUT:			MID	130			Model:			MI	MID1008-L		
Гетре	eratui	re:	25 °C		W		Rel	ative	e Hun	nidity:	55	%	MA
Test V	oltag	e:	AC 1	20V/60	Hz					6	90	13.3	
Ant. P	ol.		Vertic	cal		11/4/			1		٧		THE
Test N	est Mode:		TX G	Mode 2	2462	MHz		6	M			1 113	A STATE OF THE PARTY OF THE PAR
Remark:			N/A	An				1/6	1	est.	(1)	3	_ (
110.0	BuV/m												
60			X 2 X			3 X 4				(F	RF) FCC I	ART 15C (PEAK	i)
2433.0	000 244	3.UU 2	459.00	2469.00	2479).00 2 4 89	5.00	2499	.00 2	2509.00	2519.0	u z	2539.00 MH
No.	Mk.	. Fr	eq.	Readi Leve		Corre- Facto			isur e ent	Lim	nit	O∨er	
		Mł	⊣z	dBu∖	/	dB/m		dBı	uV/m	dΒι	ıV/m	dB	Detecto
	Х	2458	.680	96.6	2	1.06		97	7.68	Fundan	nental I	Frequency	peak
1					0	1.06		87	7.34	Fundar	nental I	Frequency	AVG
1 2	*	2458	.700	86.2	0								
•		2458 2483		48.9		1.17		50	0.11	74	.00	-23.89	peak





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



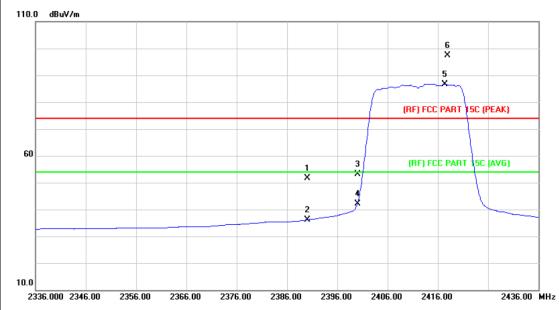
No.	Mk.	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	57.08	0.77	57.85	74.00	-16.15	peak
2		2390.000	40.37	0.77	41.14	54.00	-12.86	AVG
3		2400.000	57.23	0.81	58.04	Fundamental	Frequency	peak
4		2400.000	47.07	0.81	47.88	Fundamental F	requency	AVG
5	Χ	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



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



No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	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	Χ	2417.900	96.59	0.89	97.48	74.00	23.48	peak





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EUT	:		MID			9 1	Mode	el:		MI	D1008-L	
Гет	peratu	re:	25 °	C	W	123	Relative Humidity:			55%		
est	t Voltag	e:	AC 1	120V/60	Hz			195	6	30	133	
\nt.	Pol.		Horiz	zontal		UR						
Test	Mode:		TXN	(HT20)	Mod	de 2462N	1Hz	W.			1 117	N. Control
Ren	nark:		N/A	Millia		-611		Comment	611	11)	3	_ (
110.0	dBuV/m											
			2 X									
ľ			1									
			×		$\overline{}$							
					+				Œ	ECC PA	RT 15C (PEA)	
					+				(111)	TCCTA	arr 13C (i EAr	,
60												
ьи					\downarrow	3			(RF) FCC P	ART 15C (AVC	i)
					\rightarrow	×						
ŀ						4 ×						
10.0												
	35.000 244	5.00 2	455.00	2465.00	247	5.00 2485	.00 2	495.00	2505.00	2515.00) 2	2535.00 MH
N	lo. Mk	Fr	eq.	Readi Leve	_	Correc		easure ment	- Limi	it	O∨er	
	O. WIIV	MH		dBu\				dBuV/m	dBu\		dB	Detecto
						dB/m			ubu (7/111	ub	
1	*	2454.	.100	90.2	.8	1.04		91.32	Fundame	ental F	requency	AVG
2	Х	2454.	700	100.7	71	1.05	1	01.76	Fundame	ental F	requency	peak
3		2483.	500	50.1	9	1.17		51.36	74.0	00	-22.64	peak
4		2483.	600	37.2		1.17		38.45	54.0		-15.55	AVG





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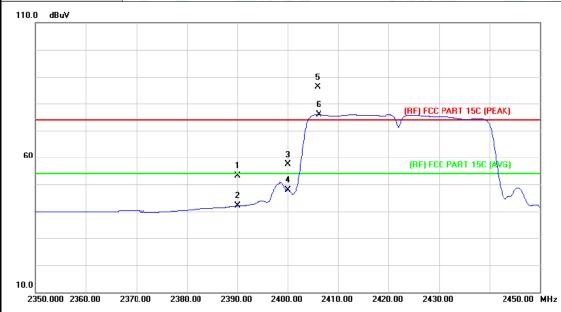
EUT	:		MID		M	odel:		MID1008-L		
Tem	peratui	e:	25 °C		R	elative Hun	nidity:	nidity: 55%		
Test	Voltag	e:	AC 1	20V/60 Hz		811 6	6	Miles		
Ant.	Pol.		Vertic	cal	DAGE.		a V			
Test	Mode:		TX N	(HT20) Mod	de 2462MHz	z MID	10	THE PERSON NAMED IN		
Rem	nark:		N/A	VIII		1				
110.0	dBuV/m									
60			2 X 1		3 X			CC PART 15C (PEAK		
10.0 243	35.000 244	5.00 2	2455.00	2465.00 247	5.00 2485.00	2495.00 2	2505.00 2	515.00 2	535.00 MH	
N	lo. Mk	. Fr	eq.	Reading Level	Correct Factor	Measure ment	- Limi	t Over		
		М	Hz	dBu∀	dB/m	dBuV/m	dBu√	//m dB	Detecto	
1	*	2458	3.360	86.06	1.06	87.12	Fundame	ntal Frequency	AVG	
2	Х	2460	0.000	97.07	1.06	98.13	Fundame	ntal Frequency	peak	
3		2483	3.500	47.79	1.17	48.96	74.0	00 -25.04	peak	
4		2483	3.500	35.15	1.17	36.32	54 (00 -17.68	AVG	
4		2483	3.500	35.15	1.17	36.32	54.0	00 -17.68	3	



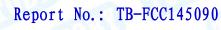


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EUT:	MID	Model:	MID1008-L				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60 Hz						
Ant. Pol.	Horizontal						
Test Mode:	TX N(HT40) Mode 2422MHz						
Remark:	N/A		1:72				



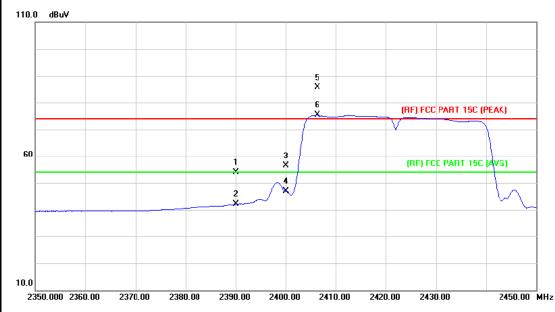
No.	. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBu∀	dB	Detector
1		2390.000	49.81	3.40	53.21	74.00	-20.79	peak
2		2390.000	38.61	3.40	42.01	54.00	-11.99	AVG
3		2400.000	54.08	3.41	57.49	Fundamental	Frequency	peak
4		2400.000	44.44	3.41	47.85	Fundamental	Frequency	AVG
5	Χ	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





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



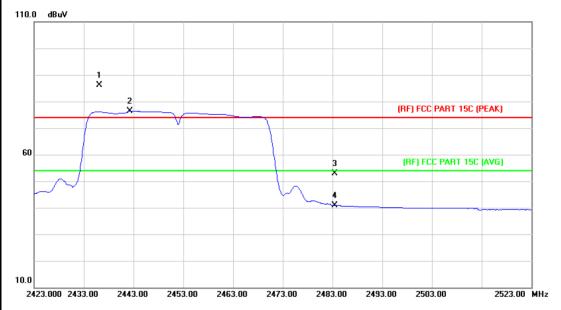
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBu∀	dB	Detector
1		2390.000	50.50	3.40	53.90	74.00	-20.10	peak
2		2390.000	38.71	3.40	42.11	54.00	-11.89	AVG
3		2400.000	52.90	3.41	56.31	Fundamental	Frequency	peak
4		2400.000	43.58	3.41	46.99	Fundamental	Frequency	AVG
5	Χ	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



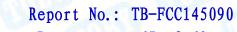


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EUT:	MID	Model:	MID1008-L				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60 Hz						
Ant. Pol.	Horizontal	Horizontal					
Test Mode:	TX N(HT40) Mode 2452MHz						
Remark:	N/A						



No. Mk.		. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∨	dB	dBu∀	dBuV	dB	Detector
1	Χ	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





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EUT: Temperature: Test Voltage: Ant. Pol. Test Mode:			MID		N	/lodel:		MID1008-L			
			25 °	C	F	Relative Humidity:			55%		
			AC 1	AC 120V/60 Hz Vertical TX N(HT40) Mode 2452MHz							
			Verti								
			TXN								
Ren	nark:		N/A	A Brown		1	600	133	_ (
110.0	dBuV										
		1 X									
		2 X					(RF) FCC	PART 15C (PEAK	<u>)</u>		
				V							
60											
						3	(RF) FC	C PART 15C (AVG	J		
	~/~					4					
10.0 24	23.000 243	33.00	2443.00	2453.00 24	63.00 2473.00	2483.00	2493.00 250	3.00 2	523.00 MHz		
				Dandina	Correct	N.4 · · · ·					
Ν	o. Mk	. Fr	eq.	Reading Level	Factor	Measure ment	Limit	O∨er			
		M	Hz	dBu∀	dB	dBu∀	dBuV	dB	Detecto		
1	Х	2435	.900	82.07	3.46	85.53	Fundamen	tal Frequency	peak		
2	*	2436	.100	72.20	3.46	75.66	Fundamen	tal 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		



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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					
070	▼ Permanent attached antenna				
No.	□ Unique connector antenna				
Em.	□ Professional installation antenna				