

Shenzhen Toby Technology Co., Ltd.

Report No.: TB-FCC173945

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FCC Radio Test Report FCC ID: XMF-MID1032

Original Grant

Report No. TB-FCC173945

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

Equipment Under Test (EUT)

EUT Name TABLET

Model No. MID1032-MR

DL1036 Series Model No.

Brand Name

Sample ID TBBJ-20200630-10-1#& TBBJ-20200630-10-2#

2020-07-02 **Receipt Date**

2020-07-03 to 2020-07-29 **Test Date**

Issue Date 2020-07-30

FCC Part 15, Subpart C 15.247 **Standards**

ANSI C63.10: 2013 **Test Method**

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

Engineer Supervisor

Engineer Manager

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

TB-RF-074-1.0



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ensure that all products in series production are in conformity with the product sample detailed in the report.

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Revision History

Report No.	Version	Description	Issued Date
TB-FCC173945	Rev.01	Initial issue of report	2020-07-30
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1. General Information about EUT

1.1 Client Information

Applicant : Lightcomm Technology Co., Ltd.	
Address : UNIT 1306 13/F ARION COMMERCIAL CENTRE, 2-12 QU ROAD WEST, SHEUNG WAN HK	
	Huizhou Hengdu Electronics Co., Ltd.
	No.8 Huitai Road, Huinan High-tech Industrial Park, Huiao Avenue, Huizhou, Guangdong, China

1.2 General Description of EUT (Equipment Under Test)

EUT Name	:	TABLET			
Models No.	:	MID1032-MR, DL1	MID1032-MR, DL1036		
Model Difference	9	All these models ar only difference is m	re in the same PCB, layout and electrical circuit, the nodel name		
Product Description		Operation Frequency: Number of Channel: RF Output Power:	802.11b/g/n(HT20): 2412MHz~2462MHz 802.11n(HT40): 2422MHz~2452MHz 802.11b/g/n(HT20):11 channels see note(3) 802.11n(HT40):7 channels see note(3) 802.11b: 17.76dBm 802.11g: 11.33 dBm 802.11n (HT20): 11.23 dBm 802.11n (HT40): 11.16 dBm		
	1	Modulation Type:	802.11b: DSSS(CCK, DQPSK, DBPSK) 802.11g/n: OFDM(BPSK,QPSK,16QAM,64QAM)		
Power Supply		Antenna Gain: Adapter (TEKA01: Input: AC 100-240\ Output: DC 5V 2A DC 3.8V by 5000m	V, 50/60Hz		
Software Version		Android 10			
Hardware Version		MID1032MR_MT8168_LPDDR4_EMMC_V1_0			
Connecting I/O Port(S)	0 :	Please refer to the User's Manual			
Remark		The antenna gain and adapter provided by the applicant, the verified for the RF conduction test and adapter provided by TOBY test lab.			

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 v05.
- (2) For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.



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(3) 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	80	2447		

Note: CH 01~CH 11 for 802.11b/g/n(HT20) CH 03~CH 9 for 802.11n(HT40)

- (4) The Antenna information about the equipment is provided by the applicant.
- 1.3 Block Diagram Showing the Configuration of System Tested

Charging Mode+TX mode

Adapter		EUT		
	Cable 1		•	

TX Mode



1.4 Description of Support Units

Equipment Information						
Name	Model	FCC ID/VOC	Manufacturer	Used "√"		
			W	√		
Cable Information						
Number	Shielded Type	Ferrite Core	Length	Note		
Cable 1	Yes	NO	1.0M	Accessory		



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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	Charging + TX B Mode			

For Radiated Test				
Final Test Mode	Description			
Mode 2	TX Mode B Mode Channel 01/06/11			
Mode 3	TX Mode G Mode Channel 01/06/11			
Mode 4	TX Mode N(HT20) Mode Channel 01/06/11			
Mode 5	TX Mode N(HT40) Mode Channel 03/06/09			

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 portable 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.



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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	THE PARTY OF THE P	LaunchEngmode	
Channel	CH 01	CH 06	CH 11
IEEE 802.11b DSSS	15	15	15
IEEE 802.11g OFDM	17	17	17
IEEE 802.11n (HT20)	17	17	17
Test Software Version	THE PARTY OF THE P	n/a	
Channel	CH 03	CH 06	CH 09
IEEE 802.11n (HT40)	18	18	18

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})	
Conducted Emission	Level Accuracy: 9kHz~150kHz 150kHz to 30MHz	±3.50 dB ±3.10 dB	
Radiated Emission	Level Accuracy: 9kHz to 30 MHz	±4.60 dB	
Radiated Emission	Level Accuracy: 30MHz to 1000 MHz	±4.50 dB	
Radiated Emission	Level Accuracy: Above 1000MHz	±4.20 dB	



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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.

A2LA Certificate No.: 4750.01

The laboratory has been accredited by American Association for Laboratory Accreditation(A2LA) to ISO/IEC 17025: 2005 General Requirements for the Competence of Testing and Calibration Laboratories for the technical competence in the field of Electrical Testing. And the A2LA Certificate No.: 4750.01. FCC Accredited Test Site Number: 854351.

IC Registration No.: (11950A)

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



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2. Test Summary

	FCC Pa	rt 15 Subpart C(15.2	47)/RSS 247 Issue 2			
Standard Sc	ection	Took Itama	Toot Commission	les al arma a má	Damaria	
FCC	IC	Test Item	Test Sample(s)	Judgment	Remark	
15.203	and the	Antenna Requirement	TBBJ-20200630-10-2#	PASS	N/A	
15.207(a)	RSS-GEN 7.2.4	Conducted Emission	TBBJ-20200630-10-1#	PASS	N/A	
15.205&15.247(d)	RSS-GEN 7.2.2	Band-Edge & Unwanted Emissions into Restricted Frequency	I Emissions estricted TBBJ-20200630-10-2# PASS		N/A	
15.247(a)(2)	RSS 247 5.2 (1)	6dB Bandwidth	TBBJ-20200630-10-2#	PASS	N/A	
15.247(b)(3)	RSS 247 5.4 (4)	Conducted Max Output Power	TBBJ-20200630-10-2#	PASS	N/A	
15.247(e)	RSS 247 5.2 (2)	Power Spectral Density	TBBJ-20200630-10-2#	PASS	N/A	
15.205, 15.209&15.247(d)	RSS 247 5.5	Transmitter Radiated Spurious &Unwanted Emissions into Restricted Frequency	TBBJ-20200630-10-1# TBBJ-20200630-10-2#	PASS	N/A	

Note: N/A is an abbreviation for Not Applicable.

3. Test Software

Test Item	Test Item Test Software		Version No.	
Conducted Emission	EZ-EMC	EZ	CDI-03A2	
Radiation Emission	EZ-EMC	EZ	FA-03A2RE	



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4. Test Equipment

Conducted Emission	Test				
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date
EMI Test Receiver	Rohde & Schwarz	ESCI	100321	Jul. 06, 2020	Jul. 05, 2021
RF Switching Unit	Compliance Direction Systems Inc	RSU-A4	34403	Jul. 06, 2020	Jul. 05, 2021
AMN	SCHWARZBECK	NNBL 8226-2	8226-2/164	Jul. 06, 2020	Jul. 05, 2021
LISN	Rohde & Schwarz	ENV216	101131	Jul. 06, 2020	Jul. 05, 2021
Radiation Emission 1	Test Test				
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date
Spectrum Analyzer	Agilent	E4407B	MY45106456	Jul. 06, 2020	Jul. 05, 2021
EMI Test Receiver	Rohde & Schwarz	ESPI	100010/007	Jul. 06, 2020	Jul. 05, 2021
Spectrum Analyzer	Rohde & Schwarz	FSV40-N	102197	Jul. 06, 2020	Jul. 05, 2021
Bilog Antenna	ETS-LINDGREN	3142E	00117537	Mar.01, 2020	Feb. 28, 2021
Horn Antenna	ETS-LINDGREN	3117	00143207	Mar.01, 2020	Feb. 28, 2021
Horn Antenna	ETS-LINDGREN	BBHA 9170	BBHA9170582	Aug.07, 2019	Aug. 06, 2020
Loop Antenna	SCHWARZBECK	FMZB 1519 B	1519B-059	Jul. 06, 2020	Jul. 05, 2021
Pre-amplifier	Sonoma	310N	185903	Mar.01, 2020	Feb. 28, 2021
Pre-amplifier	HP	8449B	3008A00849	Mar.01, 2020	Feb. 28, 2021
Cable	HUBER+SUHNER	100	SUCOFLEX	Mar.01, 2020	Feb. 28, 2021
Positioning Controller	ETS-LINDGREN	2090	N/A	N/A	N/A
Antenna Conducted	Emission				
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date
Spectrum Analyzer	Agilent	E4407B	MY45106456	Jul. 06, 2020	Jul. 05, 2021
Spectrum Analyzer	Rohde & Schwarz	ESCI	100010/007	Jul. 06, 2020	Jul. 05, 2021
MXA Signal Analyzer	Agilent	N9020A	MY49100060	Sep. 16, 2019	Sep. 15, 2020
Vector Signal Generator	Agilent	N5182A	MY50141294	Sep. 16, 2019	Sep. 15, 2020
Analog Signal Generator	Agilent	N5181A	MY50141953	Sep. 16, 2019	Sep. 15, 2020
	DARE!! Instruments	RadiPowerRPR3006W	17I00015SNO26	Sep. 16, 2019	Sep. 15, 2020
DE Dawar Carrer	DARE!! Instruments	RadiPowerRPR3006W	17I00015SNO29	Sep. 16, 2019	Sep. 15, 2020
RF Power Sensor	DARE!! Instruments	RadiPowerRPR3006W	17I00015SNO31	Sep. 16, 2019	Sep. 15, 2020
	DARE!! Instruments	RadiPowerRPR3006W	17I00015SNO33	Sep. 16, 2019	Sep. 15, 2020



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5. Conducted Emission Test

5.1 Test Standard and Limit

5.1.1Test Standard FCC Part 15.207

5.1.2 Test Limit

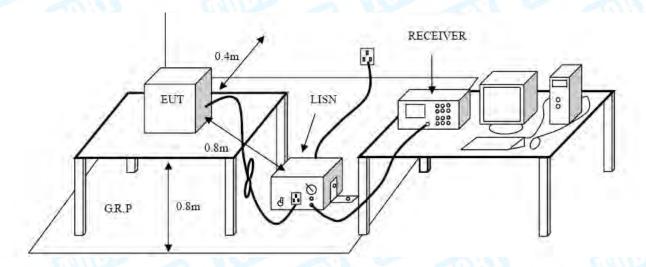
Conducted Emission Test Limit

Fraguanay	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.

5.2 Test Setup





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5.3 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.

5.4 Deviation From Test Standard

No deviation

5.5 EUT Operating Mode

Please refer to the description of test mode.

5.6 Test Data

Please refer to the Attachment A.



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6. Radiated Emission Test

6.1 Test Standard and Limit

6.1.1 Test Standard FCC Part 15.209

6.1.2 Test Limit

Radiated Emission Limits (9 kHz~1000 MHz)

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	Distance of 3m	(dBuV/m)
(MHz)	Peak	Average
Above 1000	74	54

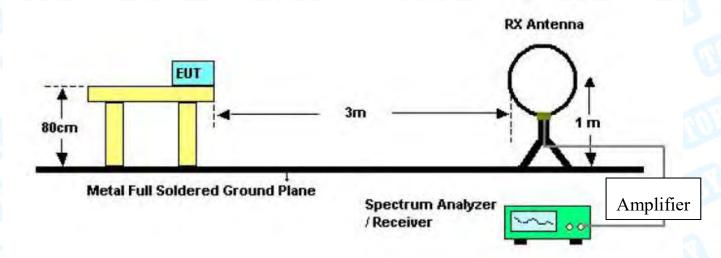
Note:

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

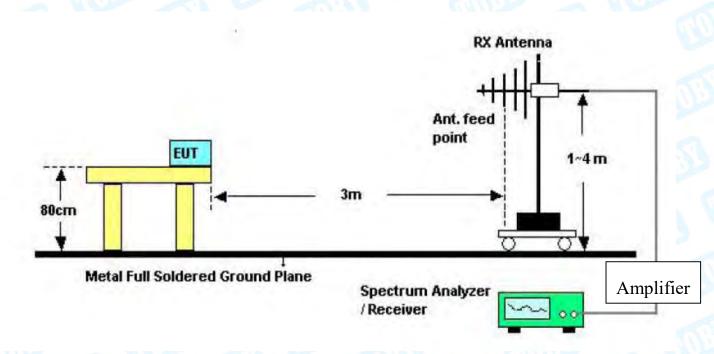


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6.2 Test Setup



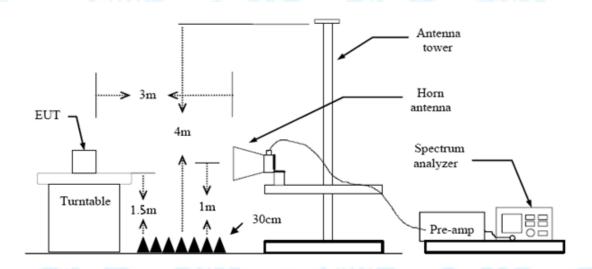
Below 30MHz Test Setup



Below 1000MHz Test Setup



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Above 1GHz Test Setup

6.3 Test Procedure

- (1) 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.
- (2) Measurements at frequency Below 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.
- (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.



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6.4 Deviation From Test Standard

No deviation

6.5 EUT Operating Condition

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

6.6 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.

Please refer to the Attachment B.



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7. Restricted Bands Requirement

7.1 Test Standard and Limit

7.1.1 Test Standard

FCC Part 15.247(d)

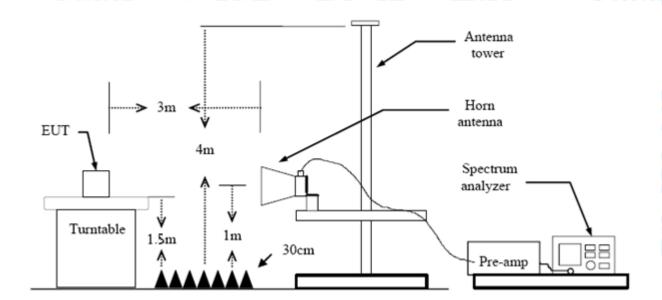
FCC Part 15.209

FCC Part 15.205

7.1.2 Test Limit

Restricted Frequency	Distance of 3m (dBuV/m)		
Band (MHz)	Peak	Average	
2310 ~2390	74	54	
2483.5 ~2500	74	54	

7.2 Test Setup





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7.3 Test Procedure

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

- (2) Measurements at frequency above 1GHz. The EUT was placed on a rotating 1.5m high above the ground. RF absorbers covered the ground plane with a minimum area of 3.0m by 3.0m between the EUT and measurement receiver antenna. The RF absorber shall not exceed 30cm in high above the conducting floor. The table was rotated 360 degrees to determine the position of the highest radiation.
- (3) The Test antenna shall vary between 1m and 4m, Both Horizontal and Vertical antenna are set to make measurement.
- (4) The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- (5) If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit Bellow 1 GHz, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed. But the Peak Value and average value both need to comply with applicable limit above 1 GHz.
- (6) Testing frequency range below 1GHz the measuring instrument use VBW=120 kHz with Quasi-peak detection.
- (7) Testing frequency range above 1GHz the measuring instrument use RBW=1 MHz and VBW=3 MHz with Peak Detector for Peak Values, and use RBW=1 MHz and VBW=10 Hz with Peak Detector for Average Values.
- (8) For the actual test configuration, please see the test setup photo.

7.4 Deviation From Test Standard

No deviation

7.5 EUT Operating Condition

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

7.6 Test Data

Please refer to the Attachment C.



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8. Bandwidth Test

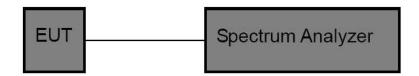
8.1 Test Standard and Limit

8.1.1 Test Standard FCC Part 15.247 (a)(2)

8.1.2 Test Limit

FCC Part 15 Subpart C(15.247)/RSS-210						
Test Item	Test Item Limit Frequency Range(MHz)					
Bandwidth	>=500 KHz (6dB bandwidth)	2400~2483.5				

8.2 Test Setup



8.3 Test Procedure

- (1) The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram above.
- (2) The bandwidth is measured at an amplitude level reduced 6dB from the reference level. The reference level is the level of the highest amplitude signal observed from the transmitter at the fundamental frequency. Once the reference level is established, the equipment is conditioned with typical modulating signal to produce the worst –case (i.e the widest) bandwidth.
- (3)Measure the channel separation the spectrum analyzer was set to Resolution Bandwidth:100 kHz, and Video Bandwidth:300 kHz, Detector: Peak, Sweep Time set auto.

8.4 Deviation From Test Standard

No deviation

8.5 EUT Operating Condition

The EUT was set to continuously transmitting in each mode and low, Middle and high channel for the test.

8.6 Test Data

Please refer to the Attachment D.



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9. Peak Output Power Test

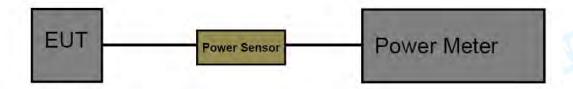
9.1 Test Standard and Limit

9.1.1 Test Standard FCC Part 15.247 (b)

9.1.2 Test Limit

FCC Part 15 Subpart C(15.247)/RSS-210					
Test Item Limit Frequency Range(I					
Peak Output Power	1 Watt or 30 dBm	2400~2483.5			

9.2 Test Setup



9.3 Test Procedure

The measurement is according to section 9.1.2 of KDB 558074 D01 DTS Meas Guidance v05. The EUT was connected to RF power meter via a broadband power sensor as show the block above. The power sensor video bandwidth is greater than or equal to the DTS bandwidth of the equipment.

9.4 Deviation From Test Standard

No deviation

9.5 EUT Operating Condition

The EUT was set to continuously transmitting in the max power during the test.

9.6 Test Data

Please refer to the Attachment E.



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10. Power Spectral Density Test

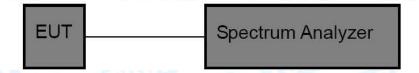
10.1 Test Standard and Limit

10.1.1 Test Standard FCC Part 15.247 (e)

10.1.2 Test Limit

FCC Part 15 Subpart C(15.247)				
Test Item Limit Frequency Range(MHz)				
Power Spectral Density	8dBm(in any 3 kHz)	2400~2483.5		

10.2 Test Setup



10.3 Test Procedure

The EUT was directly connected to the Spectrum Analyzer and antenna output port as show in the block diagram above. The measurement according to section 10.2 of KDB 558074 D01 DTS Meas Guidance v05.

- (1) The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram above.
- (2) Set analyser centre frequency to DTS channel centre frequency.
- (3) Set the span to 1.5 times the DTS bandwidth.
- (4) Set the RBW to: 3 kHz(5) Set the VBW to: 10 kHz
- (6) Detector: peak(7) Sweep time: auto
- (8) Allow trace to fully stabilize. Then use the peak marker function to determine the maximum amplitude level.

9.4 Deviation From Test Standard

No deviation

9.5 EUT Operating Condition

The EUT was set to continuously transmitting in each mode and low, Middle and high channel for the test.

9.6 Test Data

Please refer to the Attachment F.



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11. Antenna Requirement

11.1 Standard Requirement

11.1.1 Standard FCC Part 15.203

11.1.2 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.

11.2 Deviation From Test Standard

No deviation

11.3 Antenna Connected Construction

The gains of the antenna used for transmitting is 1.15dBi, and the antenna de-signed with permanent attachment and no consideration of replacement. Please see the EUT photo for details.

Result

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

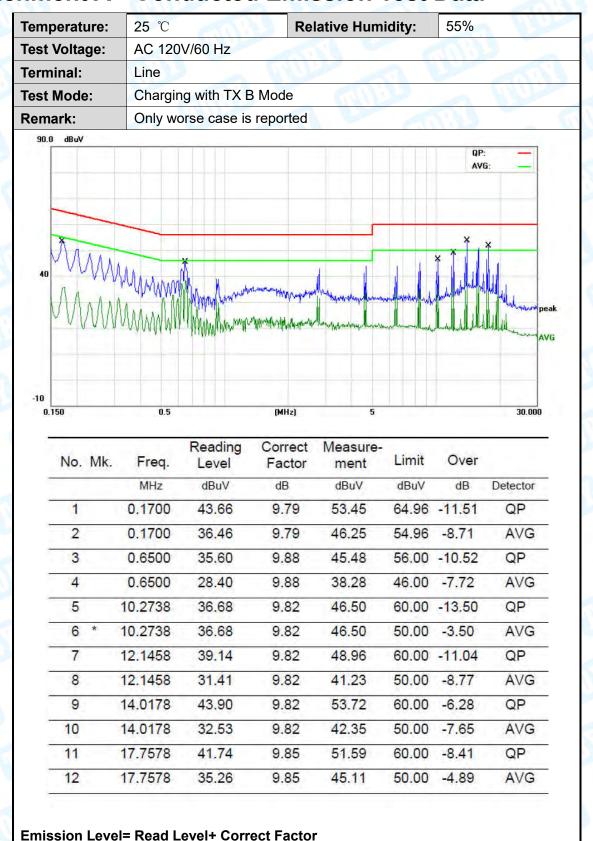
Antenna Type
☐Permanent attached antenna
⊠Unique connector antenna
☐Professional installation antenna



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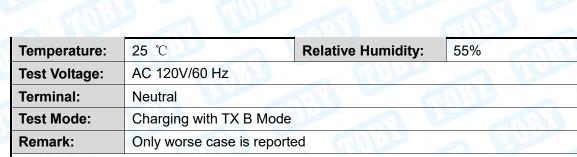


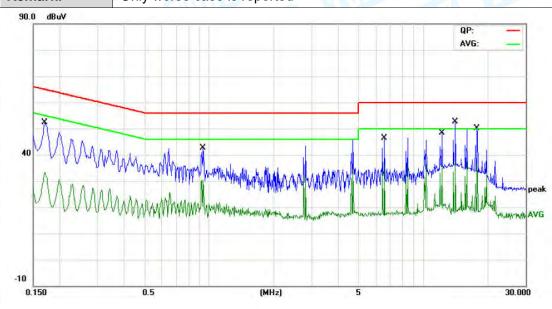
Attachment A-- Conducted Emission Test Data





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No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1		0.1700	42.76	9.62	52.38	64.96	-12.58	QP
2		0.1700	37.63	9.62	47.25	54.96	-7.71	AVG
3		0.9379	32.95	9.64	42.59	56.00	-13.41	QP
4	*	0.9379	30.61	9.64	40.25	46.00	-5.75	AVG
5		6.5698	36.63	9.85	46.48	60.00	-13.52	QP
6		6.5698	31.25	9.85	41.10	50.00	-8.90	AVG
7		12.2058	38.40	9.86	48.26	60.00	-11.74	QP
8	Ti.	12.2058	31.16	9.86	41.02	50.00	-8.98	AVG
9	1 1	14.0859	42.85	9.86	52.71	60.00	-7.29	QP
10		14.0859	31.39	9.86	41.25	50.00	-8.75	AVG
11	r f	17.8458	40.31	9.72	50.03	60.00	-9.97	QP
12	11	17.8458	32.43	9.72	42.15	50.00	-7.85	AVG



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Attachment B-- Radiated Emission Test Data

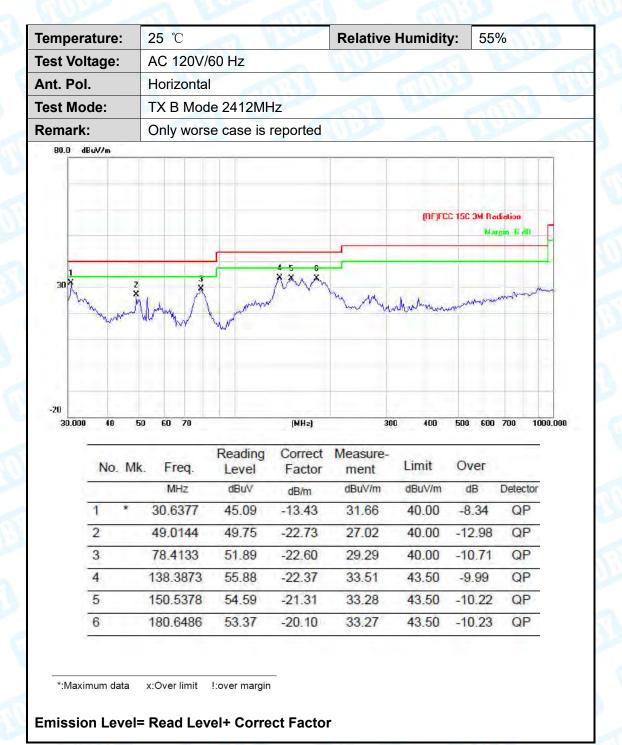
9KHz~30MHz

From 9KHz to 30MHz: Conclusion: PASS

Note: The amplitude of spurious emissions which are attenuated by more than 20dB

below the permissible value has no need to be reported.

30MHz~1GHz





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emperature:	25 °C Relative Humidity				idity: 5	5%		
est Voltage:	AC 12	0V/60 Hz	13				Barre	
nt. Pol.	Vertica	al		11		1:33		
est Mode:	TXBN	TX B Mode 2412MHz						
emark:	Only w	orse case i	is reported	OTHER DESIGNATION OF THE PERSON OF THE PERSO		a V		
80.0 dBuV/m	2 3 3 3	3. A. X.	~~.*\		(REJECC 150	3M Rediction Margin -6 d	0	
Mayor		In his	/	and market market	and the second second	philosophia and a second		
-20 30.000 40 50	60 70	80	[MHz]	300	400 500	600 700	1000.000	
-20 30.000 40 50	60 70 Freq.	Reading Level	(MHz) Correct Factor			0 600 700 Over	1000.000	
-20 30.000 40 50 No. Mk. F		Reading	Correct	300 Measure-	400 500	La C		
-20 30.000 40 50 No. Mk. F	req.	Reading Level	Correct Factor	300 Measure- ment	400 500 Limit	Over		
No. Mk. F	Freq.	Reading Level	Correct Factor	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detecto	
No. Mk. F	Freq. MHz 6948	Reading Level dBuV 50.93	Correct Factor dB/m -21.65	Measure- ment dBuV/m 29.28	400 500 Limit dBuV/m 40.00	Over dB -10.72	Detecto QP	
No. Mk. F	Freq. MHz 6948 5356	Reading Level dBuV 50.93 52.81	Correct Factor dB/m -21.65 -23.92	Measure- ment dBuV/m 29.28 28.89	Limit dBuV/m 40.00 40.00	Over dB -10.72 -11.11	Detecto QP QP	
No. Mk. F 1 45. 2 63. 3 * 76. 4 102	Freq. MHz 6948 5356 7806	Reading Level dBuV 50.93 52.81 53.70	Correct Factor dB/m -21.65 -23.92 -22.76	300 Measure- ment dBuV/m 29.28 28.89 30.94	Limit dBuV/m 40.00 40.00	Over dB -10.72 -11.11 -9.06	Detecto QP QP QP	



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Above 1GHz

Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.8V	THU .	
Ant. Pol.	Horizontal	(1) - (1000
Test Mode:	TX B Mode 2412MHz		
Remark:	No report for the emission	which more than 20 dE	B below the prescribed
	limit.		

No	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4824.444	34.85	13.16	48.01	54.00	-5.99	AVG
2		4824.786	49.33	13.16	62.49	74.00	-11.51	peak

Emission Level= Read Level+ Correct Factor

Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.8V	William Co.	A STATE OF THE PARTY OF THE PAR
Ant. Pol.	Vertical		
Test Mode:	TX B Mode 2412MHz		
Remark:	No report for the emission v	which more than 20 dB	below the
	prescribed limit.		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4824.270	34.48	13.16	47.64	54.00	-6.36	AVG
2		4824.636	49.51	13.16	62.67	74.00	-11.33	peak



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Tempe	rature:	25 ℃	Relative Humidity:	55%
Test Vo	oltage:	DC 3.8V	THU .	
Ant. Po	ol.	Horizontal		
Test Mo	ode:	TX B Mode 2437MHz		
Remar	k:	No report for the emission	which more than 20 dE	B below the
		prescribed limit.		

No	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4874.414	49.08	13.53	62.61	74.00	-11.39	peak
2	*	4875.242	34.00	13.54	47.54	54.00	-6.46	AVG

Emission Level= Read Level+ Correct Factor

Temperature:	25 ℃	Relative Humidity:	55%		
Test Voltage:	DC 3.8V				
Ant. Pol.	Vertical		THU.		
Test Mode:	TX B Mode 2437MHz				
Remark:	No report for the emission which more than 20 dB below the				
	prescribed limit.				

No. N	Mk.	Freq.		Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	- 7	4872.854	48.85	13.52	62.37	74.00	-11.63	peak
2	*	4875.320	34.24	13.54	47.78	54.00	-6.22	AVG



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Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	DC 3.8V	CHILL STORY				
Ant. Pol.	Horizontal	Horizontal				
Test Mode:	TX B Mode 2462MHz					
Remark:	No report for the emission prescribed limit.	n which more than 20 dE	3 below the			

No. Mk	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4922.620	33.90	13.89	47.79	54.00	-6.21	AVG
2		4925.254	49.26	13.91	63.17	74.00	-10.83	peak
								-

Emission Level= Read Level+ Correct Factor

Temperature:	25 ℃	Relative Humidity:	55%		
Test Voltage:	DC 3.8V				
Ant. Pol.	Vertical	CTI I			
Test Mode:	TX B Mode 2462MHz				
Remark:	No report for the emission which more than 20 dB below the				
	prescribed limit.	Carrie Land			

No	. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4924.552	48.47	13.89	62.36	74.00	-11.64	peak
2	*	4925.200	33.88	13.91	47.79	54.00	-6.21	AVG



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_				
Temper	ature:	25 ℃	Relative Humidity:	55%
Test Vo	Itage:	DC 3.8V	THE PARTY OF THE P	
Ant. Po	l.	Horizontal		
Test Mo	de:	TX G Mode 2412MHz		
Remark	(:	No report for the emission prescribed limit.	which more than 20 dE	3 below the

No	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV dB/m	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4822.974	49.06	13.16	62.22	74.00	-11.78	peak
2	*	4822.974	34.49	13.16	47.65	54.00	-6.35	AVG

Emission Level= Read Level+ Correct Factor

Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	DC 3.8V		100			
Ant. Pol.	Vertical					
Test Mode:	TX G Mode 2412MHz					
Remark:	Remark: No report for the emission which more than 20 dB below the					
	prescribed limit.					

No	. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4824.372	49.80	13.16	62.96	74.00	-11.04	peak
2	*	4825.398	34.57	13.17	47.74	54.00	-6.26	AVG



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Temperature:	25 ℃	Relative Humidity:	55%		
Test Voltage:	DC 3.8V	CHILL STORY	1		
Ant. Pol. Horizontal					
Test Mode:	TX G Mode 2437MHz				
Remark:	No report for the emission which more than 20 dB below the				
	prescribed limit.				

No. Mk.	Mk. Freq.	Reading Correct Mea Mk. Freq. Level Factor me	Measure- ment	Limit	Over			
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	- 1	4873.928	49.19	13.53	62.72	74.00	-11.28	peak
2	*	4875.398	34.15	13.54	47.69	54.00	-6.31	AVG

Emission Level= Read Level+ Correct Factor

Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	DC 3.8V					
Ant. Pol.	Vertical					
Test Mode:	TX G Mode 2437MHz					
Remark:	Remark: No report for the emission which more than 20 dB below the					
	prescribed limit.					

No	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4875.380	34.33	13.54	47.87	54.00	-6.13	AVG
2		4875.476	49.10	13.54	62.64	74.00	-11.36	peak



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_							
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	DC 3.8V						
Ant. Pol.	Horizontal	Horizontal					
Test Mode:	TX G Mode 2462MHz						
Remark: No report for the emission which more than 20 dB below the							
	prescribed limit.						

No	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4923.748	33.88	13.89	47.77	54.00	-6.23	AVG
2		4924.324	48.62	13.89	62.51	74.00	-11.49	peak

Emission Level= Read Level+ Correct Factor

Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	DC 3.8V		100			
Ant. Pol.	Vertical					
Test Mode:	TX G Mode 2462MHz					
Remark: No report for the emission which more than 20 dB below the						
	prescribed limit.					

No	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4924.126	33.87	13.89	47.76	54.00	-6.24	AVG
2		4925.386	48.53	13.91	62.44	74.00	-11.56	peak



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Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage: DC 3.8V						
Ant. Pol. Horizontal						
Test Mode: TX N(HT20) Mode 2412MHz						
Remark: No report for the emission which more than 20 dB below the						
prescribed limit.						

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4825.038	48.96	13.17	62.13	74.00	-11.87	peak
2	×	4825.338	35.48	13.17	48.65	54.00	-5.35	AVG

Emission Level= Read Level+ Correct Factor

Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	DC 3.8V		100			
Ant. Pol.	Vertical					
Test Mode:	TX N(HT20) Mode 2412M	Hz				
Remark:	No report for the emission which more than 20 dB below the					
	prescribed limit.					

No	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4823.166	49.19	13.16	62.35	74.00	-11.65	peak
2	*	4824.606	34.82	13.16	47.98	54.00	-6.02	AVG



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	Temperature:	25 ℃	Relative Humidity:	55%		
	Test Voltage: DC 3.8V					
	Ant. Pol. Horizontal					
Test Mode: TX N(HT20) Mode 2437MHz						
Remark: No report for the emission which more than 20 dB below the						
		prescribed limit.				

No	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4873.394	41.33	15.88	57.21	74.00	-16.79	peak
2	*	4873.394	29.43	15.88	45.31	54.00	-8.69	AVG

Emission Level= Read Level+ Correct Factor

Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	DC 3.8V					
Ant. Pol.	Vertical					
Test Mode:	TX N(HT20) Mode 2437M	Hz				
Remark:	No report for the emission which more than 20 dB below the					
	prescribed limit.					

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4872.974	29.46	15.87	45.33	54.00	-8.67	AVG
2		4873.052	42.71	15.87	58.58	74.00	-15.42	peak



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Temperature:	25 ℃	Relative Humidity:	55%					
Test Voltage:	DC 3.8V	OC 3.8V						
Ant. Pol.	Horizontal	Horizontal						
Test Mode:	TX N(HT20) Mode 2462MH	z						
Remark:	Remark: No report for the emission which more than 20 dB below the							
	prescribed limit.							

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4922.842	33.87	13.89	47.76	54.00	-6.24	AVG
2		4925.086	48.22	13.91	62.13	74.00	-11.87	peak

Emission Level= Read Level+ Correct Factor

		F 11111E-0				
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	DC 3.8V					
Ant. Pol.	Vertical					
Test Mode:	TX N(HT20) Mode 2462MH	Z				
Remark:	No report for the emission which more than 20 dB below the					
	prescribed limit.		miles -			

No.	Mk.	Freq.	Reading Level dBuV	Correct Factor	Measure- ment dBuV/m	Limit dBuV/m	Over	Detector
1		4923.016	48.45	13.89	62.34	74.00	-11.66	peak
2	*	4925.080	33.85	13.91	47.76	54.00	-6.24	AVG



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Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.8V	THE PARTY OF	7
Ant. Pol.	Horizontal		11:33
Test Mode:	TX N(HT40) Mode 2422M	Hz	
Remark:	No report for the emission	which more than 20 dE	B below the
	prescribed limit.		

No	. Mk.	The second secon	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4844.570	50.92	13.31	64.23	74.00	-9.77	peak
2	*	4844.570	34.83	13.31	48.14	54.00	-5.86	AVG

Emission Level= Read Level+ Correct Factor

Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.8V		100
Ant. Pol.	Vertical		THU.
Test Mode:	TX N(HT40) Mode 2422MI	Hz	
Remark:	No report for the emission	which more than 20 dE	B below the
	prescribed limit.		

No	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
	MHz	MHz dBuV dB/m	dBuV/m	dBuV/m	dB	Detector		
1		4843.568	4843.568 50.88 13.30 64.18 74.00	-9.82	peak			
2	*	4845.362	34.57	13.31	47.88	54.00	-6.12	AVG



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Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	DC 3.8V	Million				
Ant. Pol.	Horizontal	Horizontal				
Test Mode:	TX N(HT40) Mode 2437M	Hz				
Remark:	No report for the emission	which more than 20 dE	B below the			
	prescribed limit.					

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4874.036	50.56	13.53	64.09	74.00	-9.91	peak
2	*	4875.218	34.70	13.54	48.24	54.00	-5.76	AVG

Emission Level= Read Level+ Correct Factor

25 ℃	Relative Humidity:	55%
DC 3.8V		
Vertical		
TX N(HT40) Mode 2437M	Hz	
No report for the emission	which more than 20 dE	B below the
prescribed limit.		
	DC 3.8V Vertical TX N(HT40) Mode 2437M No report for the emission	DC 3.8V Vertical TX N(HT40) Mode 2437MHz No report for the emission which more than 20 dB

No. Mk.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
	MHz	dBuV dB/m		dBuV/m	dBuV/m	dB	Detector	
1		4875.350	50.62	13.54	64.16	74.00	-9.84	peak
2	*	4875.350	34.67	13.54	48.21	54.00	-5.79	AVG



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Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.8V	Million	
Ant. Pol.	Horizontal		133
Test Mode:	TX N(HT40) Mode 2452MH	z	
Remark:	No report for the emission v	hich more than 20 dB	below the
	prescribed limit.		

No	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	- +0	4902.566	51.31	13.73	65.04	74.00	-8.96	peak
2	*	4905.206	34.36	13.76	48.12	54.00	-5.88	AVG

Emission Level= Read Level+ Correct Factor

		F 11111E-0	
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.8V	THU	0
Ant. Pol.	Vertical		
Test Mode:	TX N(HT40) Mode 2452MH	Z	
Remark:	No report for the emission w	hich more than 20 dB	below the
	prescribed limit.		MILE .

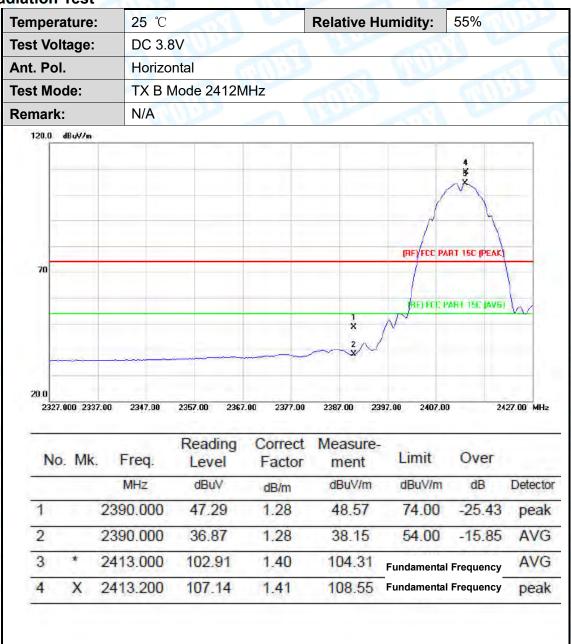
No. Mk.		Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4904.198	50.81	13.75	64.56	74.00	-9.44	peak
2	*	4904.198	34.87	13.75	48.62	54.00	-5.38	AVG



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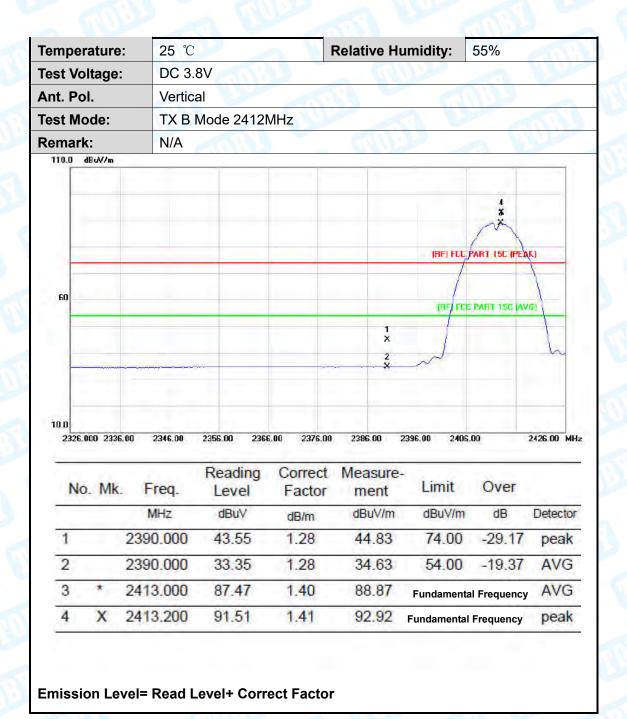
Attachment C-- Restricted Bands Requirement and Band-edge Test Data

(1) Radiation Test



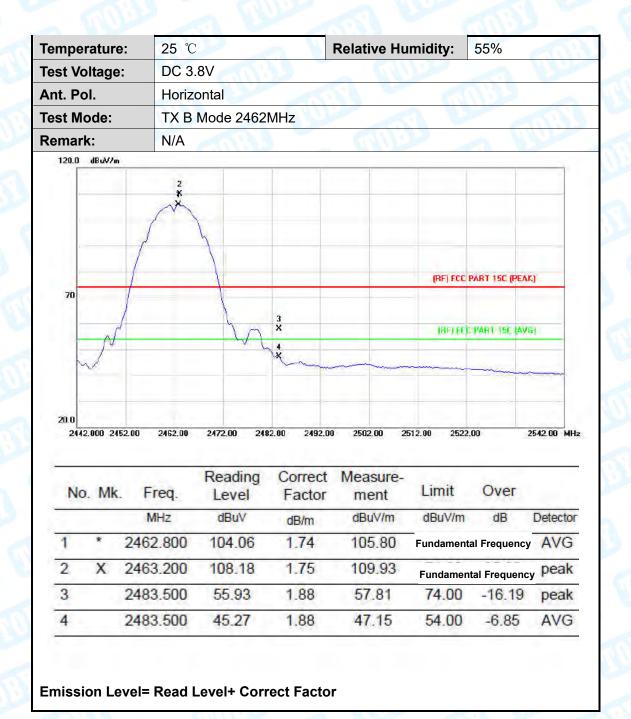


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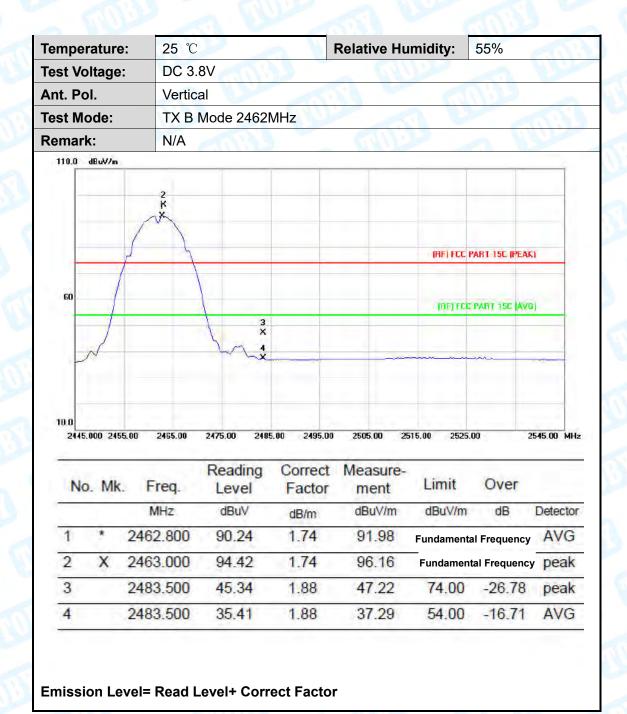


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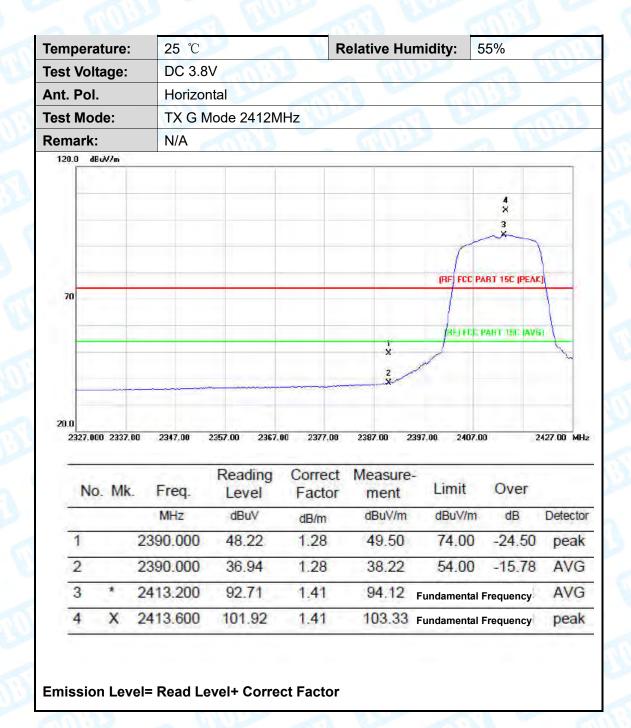


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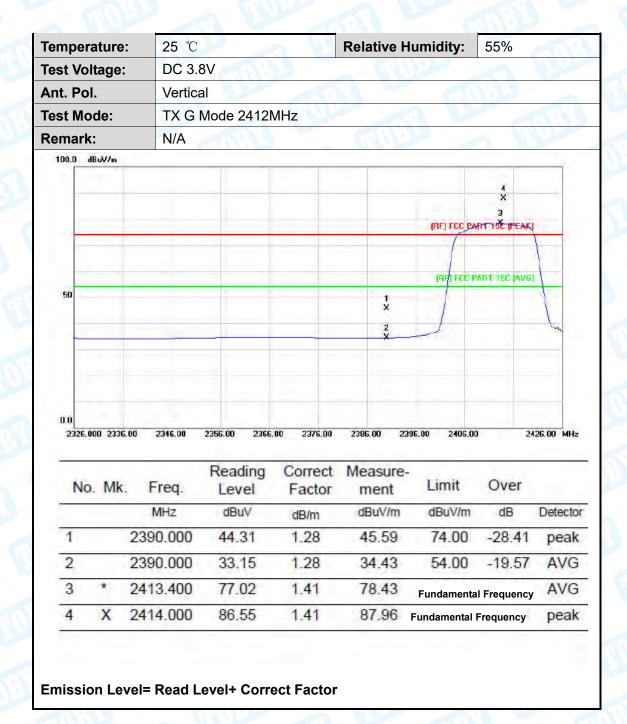


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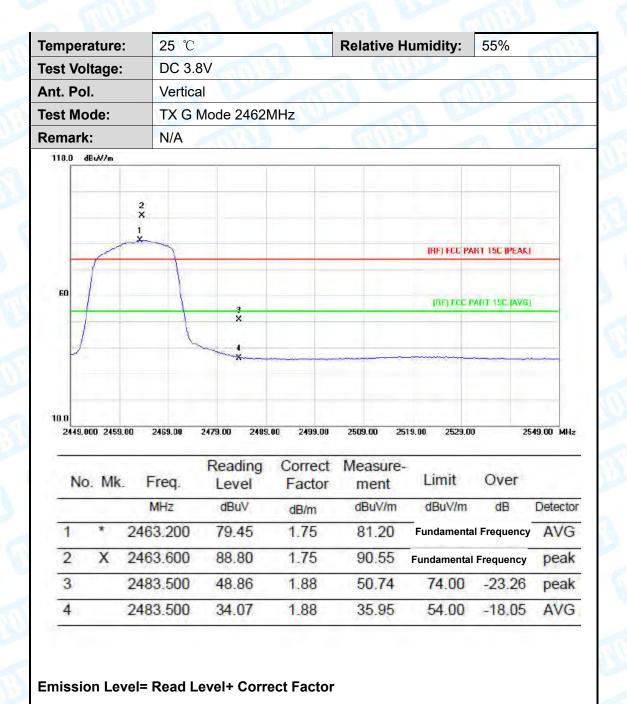
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.8V	Military	
Ant. Pol.	Horizontal		11:13
Test Mode:	TX G Mode 2462MHz		
Remark:	N/A		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	17.
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	2463.200	95.22	1.75	96.97	Fundamenta	l Frequenc	AVG
2	X	2464.400	104.02	1.75	105.77	Fundamenta	I Frequency	peak
3		2483.500	63.65	1.88	65.53	74.00	-8.47	peak
4		2483.500	45.94	1.88	47.82	54.00	-6.18	AVG

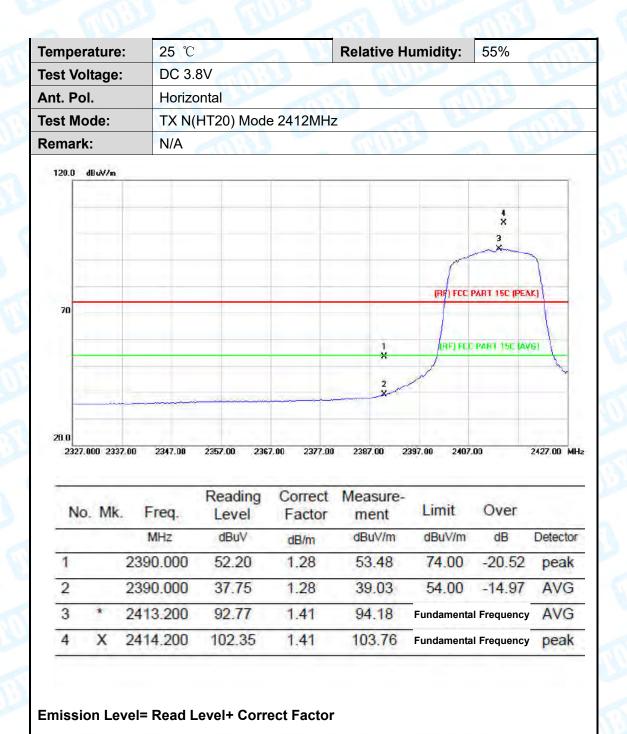


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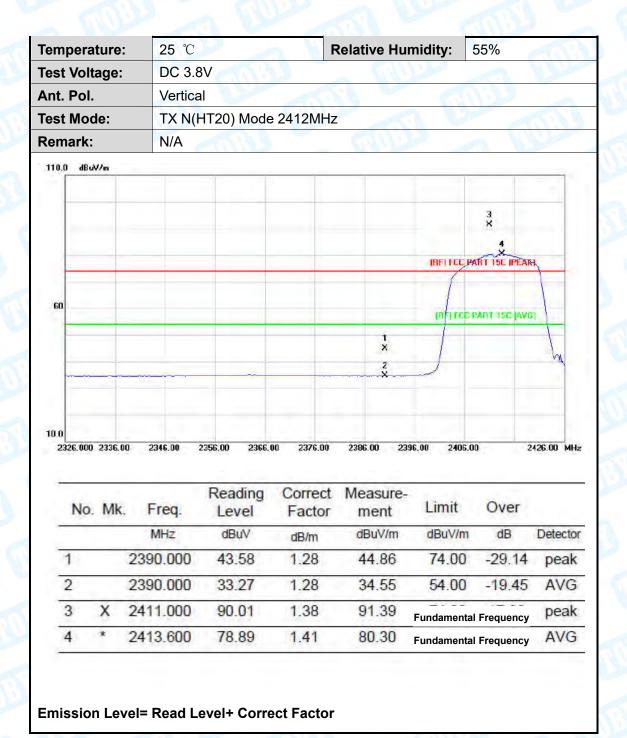


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	e: 25 °C		a W	Relative H	lumidity:	55%	
est Voltage	DC 3.	.8V	13		111		All the
nt. Pol.	Horiz	ontal	1	81 6	100	1:33	
est Mode:	TX N	(HT20) Mod	le 2462MH	Z	3 0		
Remark:	N/A			CALLE.		$a \parallel$	
70	X 1 X					PART 15C (PE	
20.0 2445.000 24		Reading	85.00 2495.0 Correct	Measure-	2515.00 2525		2545.00 MI
	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
2445.000 24 No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
No. Mk.	Freq. MHz 2463.600	Reading Level dBuV 94.24	Correct Factor dB/m 1.75	Measure- ment dBuV/m 95,99	Limit dBuV/m	Over dB	Detector y AVG
No. Mk.	Freq. MHz 2463.600 2464.000	Reading Level dBuV 94.24 103.68	Correct Factor dB/m 1.75 1.75	Measure- ment dBuV/m 95.99 105.43	Limit dBuV/m	Over dB	Detector y AVG
No. Mk.	Freq. MHz 2463.600	Reading Level dBuV 94.24	Correct Factor dB/m 1.75	Measure- ment dBuV/m 95,99	Limit dBuV/m	Over dB	Detector y AVG

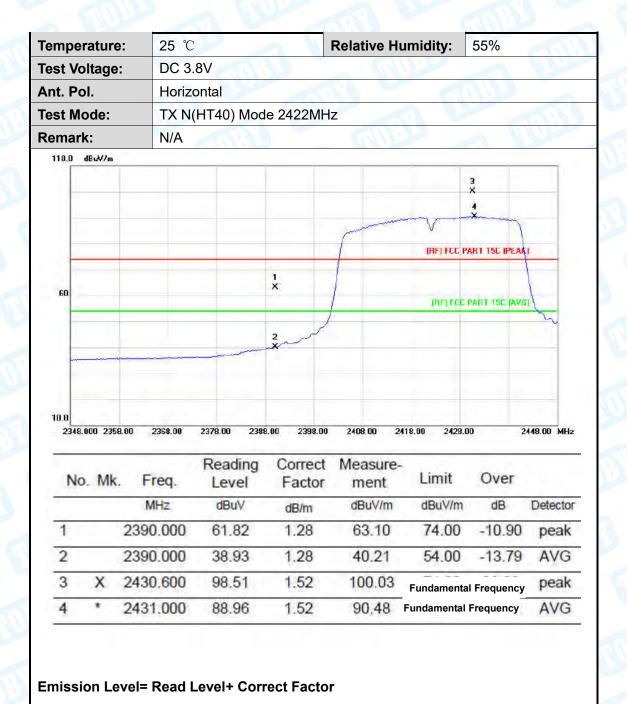


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emperature:	25 ℃		i	Relative Hu	midity:	55%	
est Voltage:	DC 3.8	BV	3	211	11		N. C.
Ant. Pol.	Vertica	Vertical					
Test Mode:	TX N(H	HT20) Mode	2462MHz	7	1 6		THE !
Remark:	N/A			CALLE.		2	War.
110.0 dBuV/m		1					
60	2 X 1 X	3 *				PART 15C (PEAK PART 15C (AVG	
		X					
10.0 2449.000 2458.0	0 2468.00	2478.00 2488	.00 2498.00	2508.00 2	518.00 2528.	.00 2	548.00 MH:
the state of the s	0 2458.00 Freq.	2478.00 2488 Reading Level	.00 2498.00 Correct Factor	2508.00 2 Measure- ment		00 2 Over	548.00 MH:
2448.000 2458.0		Reading	Correct	Measure-		Over	548.00 MH:
2448,000 2458.0 No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit dBuV/m	Over	Detector
No. Mk.	Freq.	Reading Level dBuV	Correct Factor	Measure- ment dBuV/m	Limit dBuV/m	Over dB al Frequency	Detector
No. Mk.	Freq. MHz 2463.200	Reading Level dBuV 81.18	Correct Factor dB/m 1.75	Measure- ment dBuV/m 82.93	Limit dBuV/m Fundament	OVEF dB al Frequency	Detector AVG

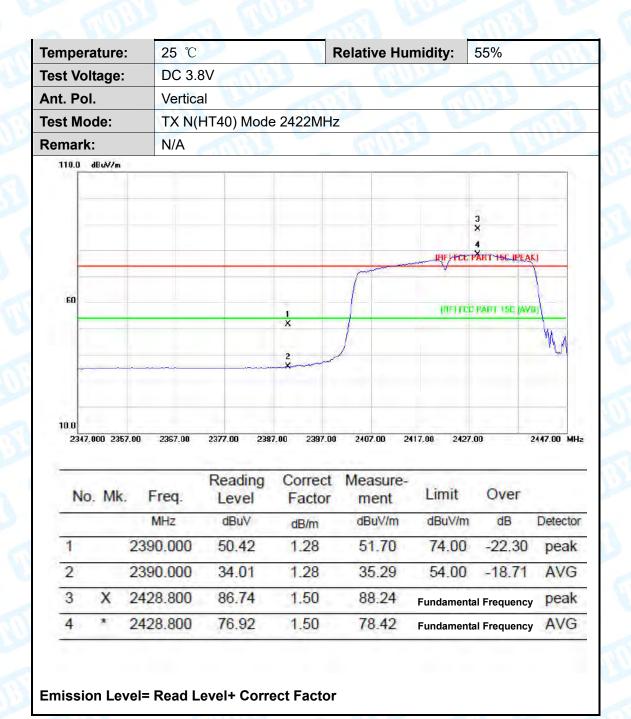


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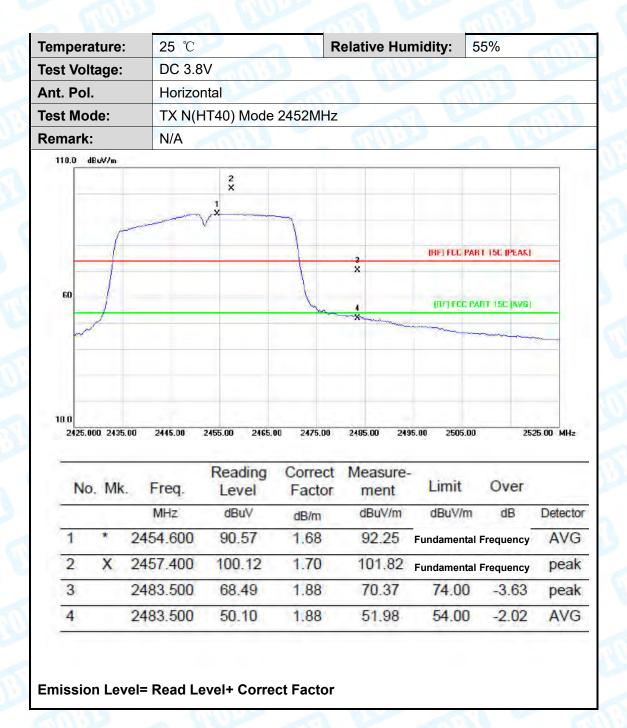


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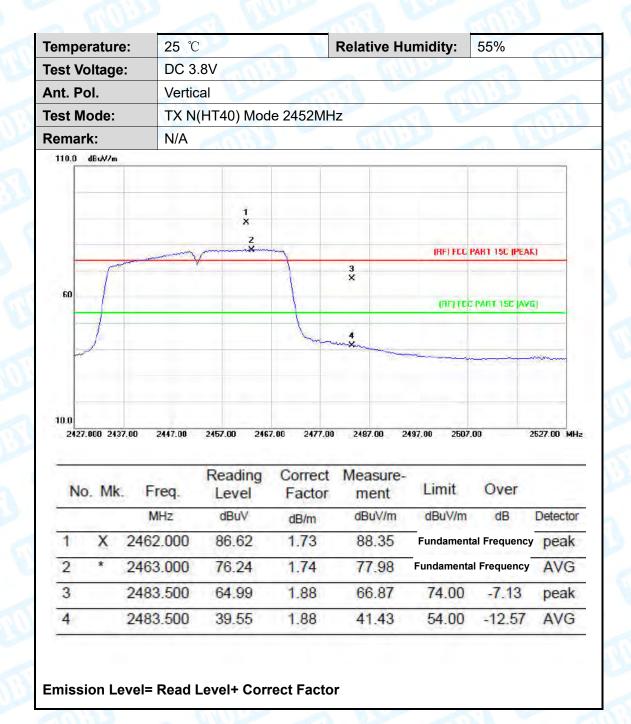


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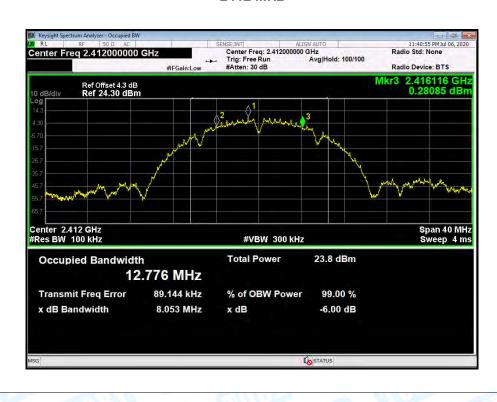


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Attachment D-- Bandwidth Test Data

Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	DC 3.8V		133
Test Mode:	TX 802.11B Mode		
Channel frequence	cy 6dB Bandwidth	99% Bandwidth	Limit
(MHz)	(MHz)	(MHz)	(MHz)
2412	8.053	12.776	
2437	8.222	12.659	>=0.5
2462	7.548	12.620	

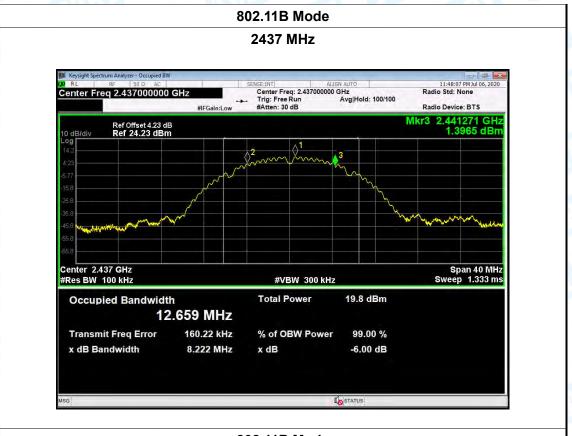
802.11B Mode





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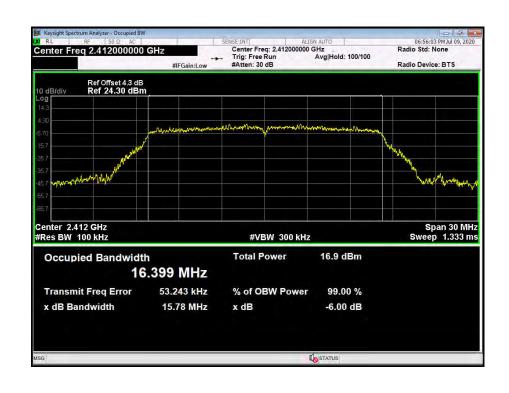


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Temperature:	25 ℃	P.	Relative Humidity:	55%
Test Voltage:	DC 3.8V			
Test Mode:	TX 802.11G Mode			1:13

Channel frequency	6dB Bandwidth	99% Bandwidth	Limit
(MHz)	(MHz)	(MHz)	(MHz)
2412	15.78	16.399	
2437	15.33	16.336	>=0.5
2462	15.28	16.341	

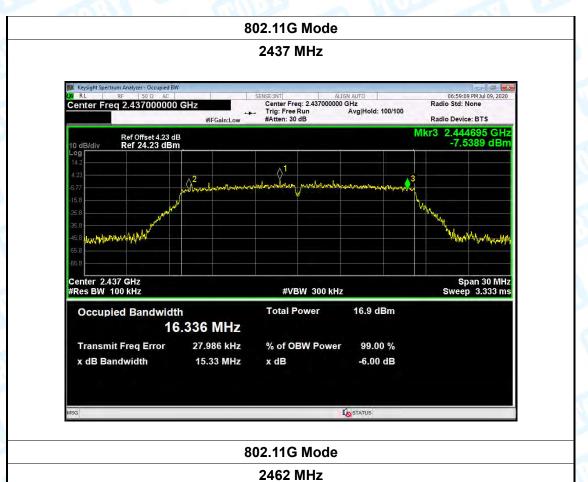
802.11G Mode





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TODI	No.		
THE		10	

Temperature:	25 ℃	Relative Humidity:	55%		
Test Voltage:	DC 3.8V				
Test Mode:	TX 802.11N(HT20) Mode				
Channel frequence	cy 6dB Bandwidth	99% Bandwidth	Limit		
(MHz)	(MHz)	(MHz)	(MHz)		
2412	15.07	17.546			
2437	15.34	17.539	>=0.5		
2462	15.97	17.553			
	000 441/1170)O) M = d =	•		

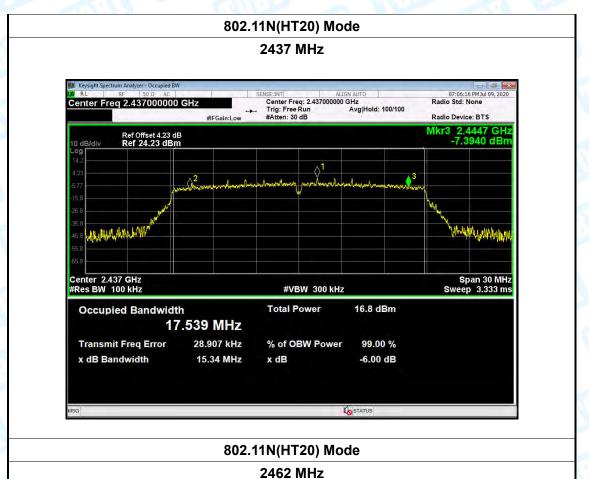
802.11N(HT20) Mode





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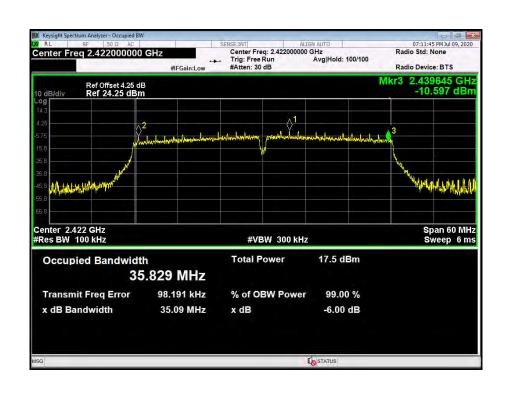




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Temperature:	25 ℃		Relative Humidity:	55%
Test Voltage:	DC 3.8V			
Test Mode:	TX 802.1	1N(HT40) Mode		
Channel frequen	Channel frequency 6dB Bandwidth		99% Bandwidth	Limit
(MHz)		(MHz)	(MHz)	(MHz)
2422		35.07	35.839	
2437		35.29	35.861	>=0.5
2452		35.09	35.829	
)	1	000 441/11	(40) Manda	

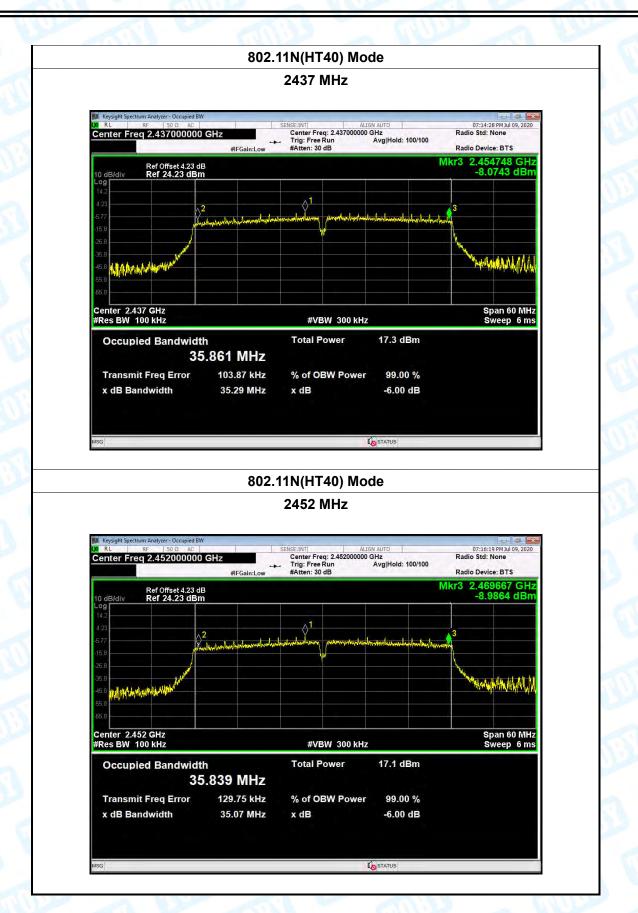
802.11N(HT40) Mode





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Attachment E-- Peak Output Power Test Data

Test Conditions	s: Continuous Transn	Continuous Transmitting Mode			
Temperature:	25 ℃	Relative Humidity:	55%		
Test Voltage:	DC 3.8V	10			
Mode	Channel frequency (MHz)	Test Result (dBm)	Limit (dBm)		
	2412	17.76			
802.11b	2437	17.47			
	2462	17.13			
	2412	11.33			
802.11g	2437	11.03			
	2462	10.61	30		
802.11n	2412	11.23	30		
(HT20)	2437	10.91			
(11120)	2462	10.45			
802.11n	2422	11.16			
(HT40)	2437	10.95			
(11170)	2452	10.79			
	Resi	ult: PASS			



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Duty Cycle				
Mode	Channel frequency (MHz)	Test Result		
	2412			
802.11b	2437			
	2462			
	2412			
802.11g	2437			
	2462	. 200/		
000 44	2412	>98%		
802.11n	2437			
(HT20)	2462			
	2422			
802.11n	2437			
(HT40)	2452			
ease see belo	w plots			



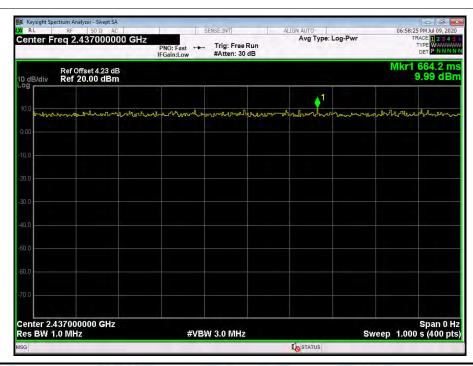
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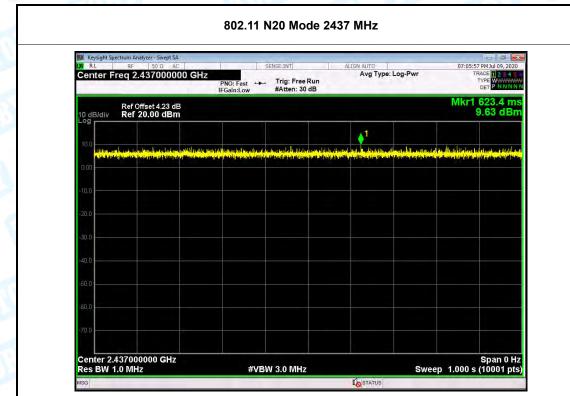
802.11 G Mode 2437 MHz



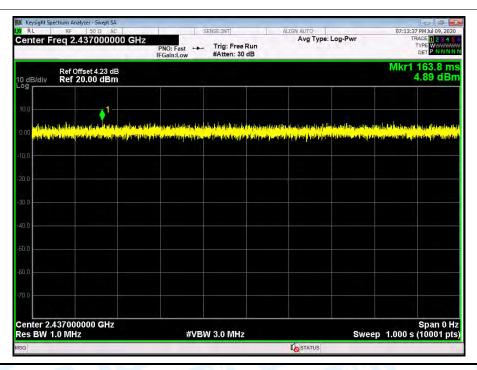


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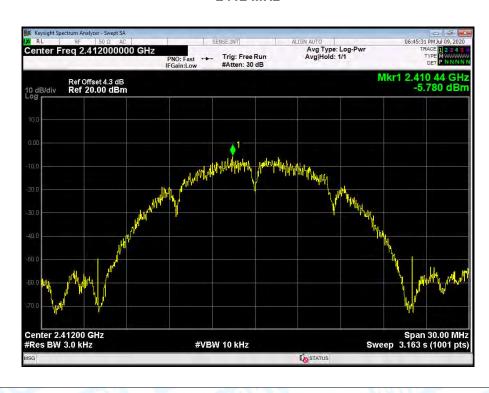


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Attachment F-- Power Spectral Density Test Data

	Temperature:	25 °C		Relative Humidity:		55%	
	Test Voltage:	DC 3.8V					
	Test Mode:	TX 802.1	TX 802.11B Mode			1	
	Channel Frequency (MHz)		Power Density (dBm/3 kHz)			Limit	
					(dBm/3 kHz)		
	2412 2437 2462		-5.78				
			-5.56			8	
			-6.011				

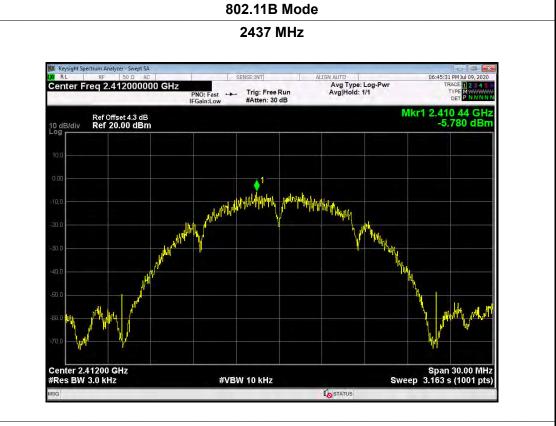
802.11B Mode





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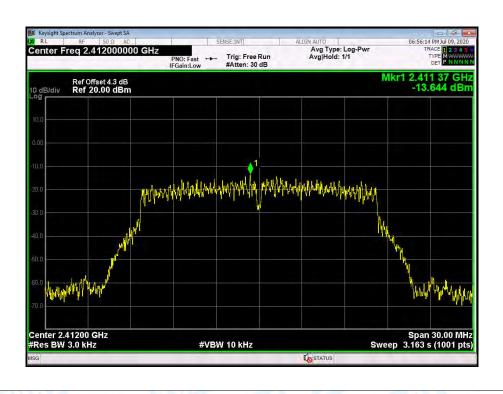
802.11B Mode





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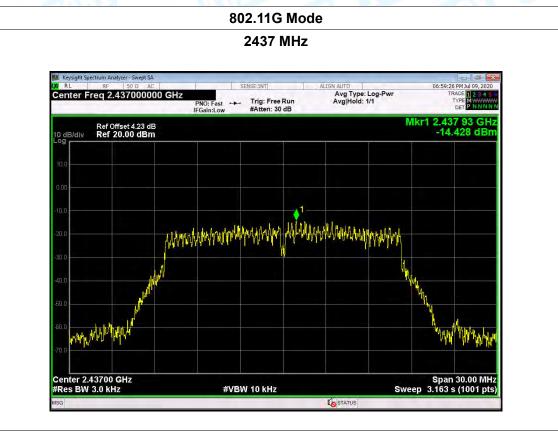
Temperature: 25 °C		Temperature: 25		25 ℃		
Test Voltage:	DC 3.8V	DC 3.8V				
Test Mode:	TX 802.11G Mode					
Channel Fred	quency	Power Density		Limit		
(MHz)		(dBm/3 kF	lz)	(dBm/3 kHz)		
2412 2437 2462		-13.644		8		
		-14.428				
		-15.079				
		802.11G Mo	ode			
		0440 1411				





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802.11G Mode





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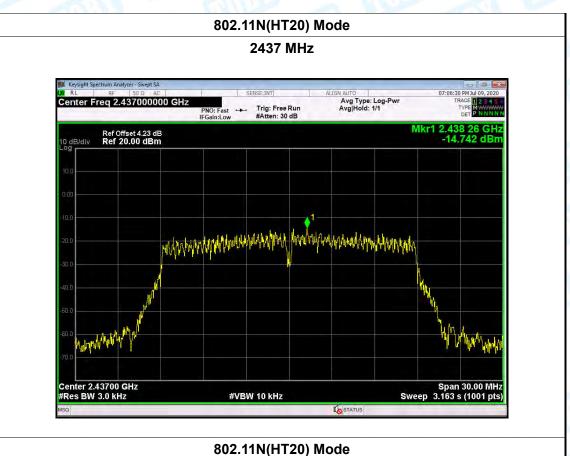
Temperature: 25 °C		Temperature:		25 ℃		
Test Voltage:	DC 3.8V					
Test Mode: TX 802.11N(HT20) Mode				(1) J		
Channel Fred	luency	Power Density		Limit		
(MHz) 2412 2437 2462		(dBm/3 kHz)		(dBm/3 kHz)		
		-13.639				
		-14.74	2	8		
		-14.02	5			
		802.11N(HT2	0) Mode			
2412 MHz						

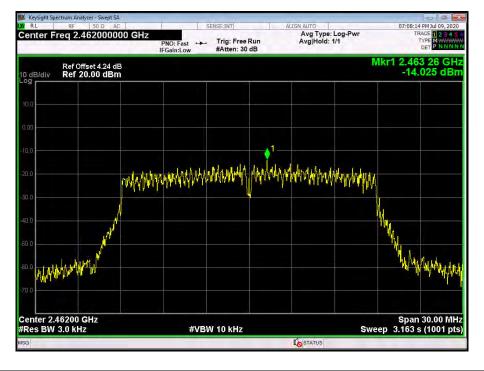




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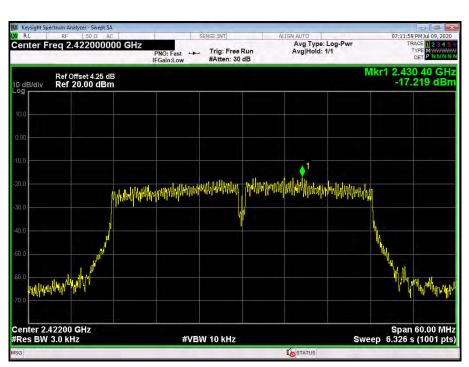






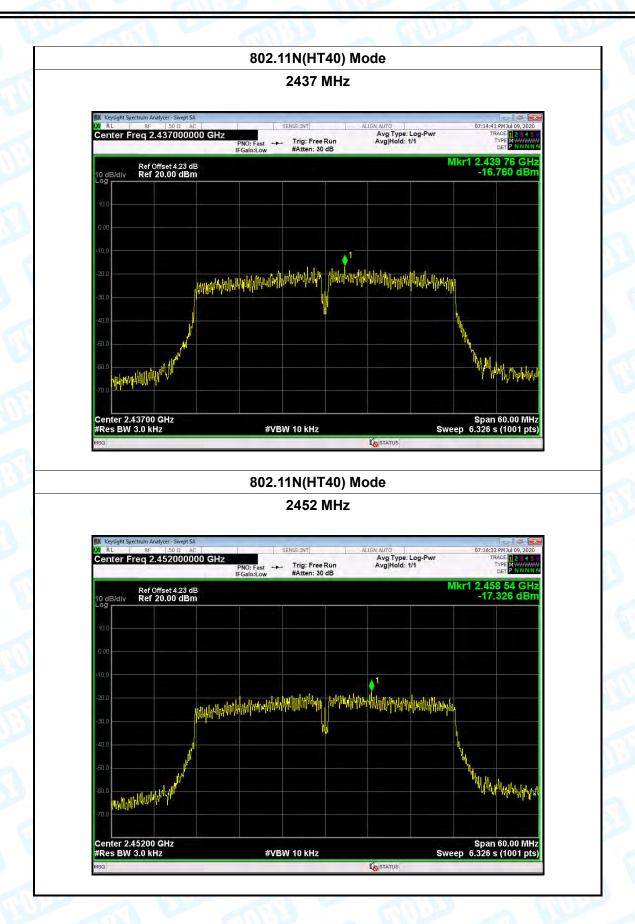
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Temperature: 25 ℃		1	Temperature:	25 ℃					
Test Voltage:	DC 3.8V	DC 3.8V							
Test Mode:	TX 802.11N(HT40) Mode								
Channel Fred	uency	Power Density		Limit					
(MHz) 2422 2437 2452		(dBm/3 kHz)		(dBm/3 kHz)					
		-17.219 -16.760 -17.326		8					
							802.11N(HT40) Mode	
							2422 MI	Нz	





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----END OF REPORT----