

# Shenzhen Toby Technology Co., Ltd.



Report No.: TBR-C-202304-0016-7

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# **RF Test Report**

FCC ID: 2AW68-GR140IG

**Report No.** : TBR-C-202304-0016-7

**Applicant**: Shenzhen SDMC Technology Co., Ltd.

**Equipment Under Test (EUT)** 

EUT Name : FTTH GEN8 AX GPON GR140IG V2 B05-1

Model No. : GR140IG

Series Model No. : ---

Brand Name : Altice Labs

Sample ID : HC-C-202304-0016-01-01#&HC-C-202304-0016-01-02#

**Receipt Date** : 2023-04-18

**Test Date** : 2023-04-19 to 2023-11-21

**Issue Date** : 2023-11-23

Standards : FCC Part 15 Subpart C 15.247

Test Method : ANSI C63.10: 2013

KDB 558074 D01 15.247 Meas Guidance v05r02 KDB 662911 D01 Multiple Transmitter Output v02r01

Conclusions : PASS

In the configuration tested, the EUT complied with the standards specified above.

Witness Engineer :

Engineer Supervisor : WAN 2

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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# **Revision History**

Report No.	Version	Description	Issued Date
TBR-C-202304-0016-7	Rev.01	Initial issue of report	2023-11-23
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# 1. General Information about EUT

### 1.1 Client Information

Applicant : Shenzhen SDMC Technology Co., Ltd		Shenzhen SDMC Technology Co., Ltd.	
Address  Room 1022, Floor 10, Building A, Customs Building, No 3rd Road, Dalang Community, Xin'an Street, Bao'an Dis Shenzhen, China		Room 1022, Floor 10, Building A, Customs Building, No. 2, Xin'an 3rd Road, Dalang Community, Xin'an Street, Bao'an District, Shenzhen, China	
Manufacturer :		Shenzhen SDMC Technology Co., Ltd.	
Address		Room 1022, Floor 10, Building A, Customs Building, No. 2, Xin'an 3rd Road, Dalang Community, Xin'an Street, Bao'an District, Shenzhen, China	

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

<b>EUT Name</b>	:	FTTH GEN8 AX GPON	FTTH GEN8 AX GPON GR140IG V2 B05-1		
HVIN/Models No.	):	GR140IG N/A			
Model Different	ė				
TOPE		Operation Frequency:	802.11b/g/n(HT20)/VHT20/ax(HE20): 2412MHz~2462MHz 802.11n(HT40)/VHT40/ ax(HE40): 2422MHz~2452MHz		
		Number of Channel:	802.11b/g/n(HT20)/VHT20/ax(HE20): 11 channels 802.11n(HT40)/VHT40/ ax(HE40): 7 channels		
Product Description		Antenna Gain:	3.92dBi PCB Antenna 1 3.42dBi PCB Antenna 2		
		Modulation Type:	802.11b: DSSS (DQPSK, DBPSK, CCK) 802.11g: OFDM (BPSK, QPSK,16QAM, 64QAM) 802.11n: OFDM (BPSK, QPSK,16QAM, 64QAM) VHT20&VHT40: OFDM (QPSK, BPSK, 16QAM, 64QAM, 256QAM) 802.11ax: OFDMA (BPSK, QPSK,16QAM, 64QAM, 256QAM, 1024QAM)		
Power Rating		AC Adapter (Model: SC Input: 100-240V~, 50/6 Output: 12.0V=2.0A	024-1C120200VU):		
Software Version		N/A			
Hardware Version	A	N/A			
Remark:					

- (1) The adapter provided by the applicant, the verified for the RF conduction test provided by TOBY test lab.
- (2) For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.
- (3)Antenna information from antenna specification.





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# (4) Channel List:

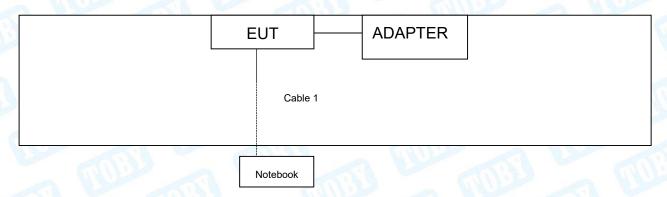
(MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
2412	05	2432	09	2452
2417	06	2437	10	2457
2422	07	2442	11	2462
2427	08	2447		
	2412 2417 2422 2427	2412 05 2417 06 2422 07 2427 08	(MHZ)     (MHZ)       2412     05     2432       2417     06     2437       2422     07     2442       2427     08 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

Note: CH 01~CH 11 for 20MHz Bandwidth CH 03~CH 09 for 40MHz Bandwidth

### (5) Antenna Information:

Donal	Antenna Gain(dBi)					
Band	Antenna 1	Antenna 2				
2.4G	3.92	3.42				
For Power:						
Beamforming Mode:						
Directional gain = 10 log[	(10 <sup>Chain0/20</sup> + 10 <sup>Chain1/20</sup> ) <sup>2</sup> / 2]=6.68dBi					
CDD Mode use max. antenna Gain=3.92dBi						
For PSD:						
CDD/Beamforming N	Mode:					
Directional gain = 10 log[	10 log[(10 <sup>Chain0/20</sup> + 10 <sup>Chain1/20</sup> ) <sup>2</sup> / 2]=6.68dBi					

# 1.3 Block Diagram Showing the Configuration of System Tested



# 1.4 Description of Support Units

Equipment Information								
Name	Model	FCC ID/VOC	Manufacturer	Used "√"				
Notebook	Inspiron 5493		DELL	<b>√</b>				
	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 Emission Test			
Final Test Mode	Description			
Mode 1	TX b Mode Channel 01			
	For Radiated and RF Conducted 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			
Mode 6	TX Mode VHT20 Mode Channel 01/06/11			
Mode 7	TX Mode VHT40 Mode Channel 03/06/09			
Mode 7	TX Mode ax(HE20) Mode Channel 01/06/11			
Mode 8	TX Mode ax(HE40) Mode Channel 03/06/09			

Remark: The modulation and bandwidth are similar for 802.11n mode for 20 MHz (40 MHz) and VHT mode for 20 MHz (40 MHz), therefore the manufacturer will control the power for 802.11n/VHT mode is the same as the 802.11ax or more lower than it and investigated worst case to representative mode in test report.

### 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:

Mode	Data Rate
B Mode-SISO/CDD	1Mbps
G Mode-SISO/CDD	6Mbps
N(HT20) Mode-CDD/BF	MCS0
N(HT40) Mode-CDD/BF	MCS0
VHT20 Mode-CDD/BF	MCS0NSS1
VHT40 Mode-CDD/BF	MCS0NSS1
AX(HE20) Mode-CDD/BF	HE0NSS1
AX(HE40) Mode-CDD/BF	HE0NSS1

(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.





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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 RF setting.

	Test So	ftware:	accessN	Itool		
anne	Test Mode:	Continu	uously tra	ansmitting		
	100	Parameters				
Mode	Channel	SISO		CDD	BF	
	N N N	Ant.1	Ant.2	Ant.1 Ant.2	2 Ant.1 Ant.2	
	01	90	90	83		
802.11b	06	90	90	83	1	
000	11	90	90	83	(MA)	
	01	90	90	84	80	
802.11g	06	90	90	84	80	
	11	90	90	84	80	
	01	1	4/ /6	84	82	
802.11n(HT20)	06	1		84	82	
	11	1		84	82	
COLUMN TO THE PARTY OF THE PART	03			74	72	
802.11n(HT40)	06	1		74	72	
	09	1000		74	74	
	01			85	84	
VHT20	06			85	84	
	11			85	84	
	03	1		75	74	
VHT40	06	1		75	74	
	09			75	74	
No Co	01	1	TITLE OF	84	82	
802.11ax(HE20)	06	1	1 183	84	82	
	11		150	84	82	
	03	1	mn !	75	74	
802.11ax(HE40)	06	1		75	74	
	09	1		75	74	





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### 1.7 Measurement Uncertainty

The reported uncertainty of measurement  $y \pm U_{\tau}$  where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of  $k=2_{\tau}$  providing a level of confidence of approximately 95 %.

Test Item	Parameters	Expanded Uncertainty (U <sub>Lab</sub> )
Conducted Emission	Level Accuracy: 9kHz~150kHz 150kHz to 30MHz	$\pm 3.50~\mathrm{dB}$ $\pm 3.10~\mathrm{dB}$
Radiated Emission	Level Accuracy: 9kHz to 30 MHz	$\pm 4.60~\mathrm{dB}$
Radiated Emission	Level Accuracy: 30MHz to 1000 MHz	±4.50 dB
Radiated Emission	Level Accuracy: Above 1000MHz	±4.20 dB
RF Power-Conducted		±0.95 dB
Power Spectral Density- Conducted	1	±3dB
Occupied Bandwidth		±3.8%
Unwanted Emission- Conducted	1000	±2.72 dB

### 1.8 Test Facility

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

### **CNAS (L5813)**

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

### A2LA Certificate No.: 4750.01

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

### IC Registration No.: (11950A)

The Laboratory has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing. The site registration: Site# 11950A. CAB identifier: CN0056.



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# 2. Test Summary

Standard Section	Test Item	Test Sample(s)	Test Mode	Judgment
FCC 15.207(a)	Conducted Emission	HC-C-202304-0016-01-02#	802.11b SISO	PASS
FCC 15.209 & 15.247(d)	Radiated Unwanted Emissions	HC-C-202304-0016-01-02#	802.11b/g SISO 802.11b/g/n/ax/VHT20/VHT40 CDD	PASS
FCC 15.203	Antenna Requirement	HC-C-202304-0016-01-01#		PASS
FCC 15.247(a)(2)	6dB Bandwidth	HC-C-202304-0016-01-01#	802.11b/g SISO 802.11n/ax/VHT20/VHT40 CDD	PASS
FCC 15.247(b)(3)	RF Output Power	HC-C-202304-0016-01-01#	802.11b/g SISO 802.11b/g/n/ax/VHT20/VHT40 CDD 802.11g/n/ax/VHT20/VHT40 BF	PASS
FCC 15.247(e)	Power Spectral Density	HC-C-202304-0016-01-01#	802.11b/g SISO 802.11b/g/n/ax/VHT20/VHT40 CDD 802.11g/n/ax/VHT20/VHT40 BF	PASS
FCC 15.247(d)	Band Edge Measurements	HC-C-202304-0016-01-01#	802.11b/g SISO 802.11b/g/n/ax/VHT20/VHT40 CDD	PASS
FCC 15.207(a)	Conducted Unwanted Emissions	HC-C-202304-0016-01-01#	802.11b/g SISO 802.11b/g/n/ax/VHT20/VHT40 CDD	PASS
FCC 15.247(d) FCC 15.205	Emissions in Restricted Bands	HC-C-202304-0016-01-01#	802.11b/g SISO 802.11b/g/n/ax/VHT20/VHT40 CDD	PASS
1003	On Time and Duty Cycle	HC-C-202304-0016-01-01#	802.11b/g/n/ax/VHT20/VHT40 CDD	BI

Note: (1) N/A is an abbreviation for Not Applicable.

(2) Some test items only test the SISO/CDD test mode.

(3) SISO: Simple Input Simple Output Mode, CDD: Cyclic Delay Diversity mode, BF: Beamforming Mode

# 3. Test Software

Test Item	Test Software	Manufacturer	Version No.
Conducted Emission	EZ-EMC	EZ	CDI-03A2
Radiation Emission	EZ-EMC	EZ	FA-03A2RE
Radiation Emission	EZ-EMC	EZ	FA-03A2RE+
RF Test System	JS1120-3	Tonscend	V3.2.22





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# 4. Test Equipment

Conducted Emissio	n Test				
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date
EMI Test Receiver	Rohde & Schwarz	ESCI	100321	Jun. 20, 2023	Jun. 19, 2024
RF Switching Unit	Compliance Direction Systems Inc	RSU-A4	34403	Jun. 20, 2023	Jun. 19, 2024
AMN	SCHWARZBECK	NNBL 8226-2	8226-2/164	Jun. 20, 2023	Jun. 19, 2024
LISN	Rohde & Schwarz	ENV216	101131	Jun. 20, 2023	Jun. 19, 2024
Radiation Emission	Test				
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date
Spectrum Analyzer	Agilent	N9020A	MY49100060	Aug. 30, 2023	Aug. 29, 2024
Spectrum Analyzer	Rohde & Schwarz	FSV40-N	102197	Jun. 20, 2023	Jun. 19, 2024
EMI Test Receiver	Rohde & Schwarz	ESU-8	100472/008	Feb. 22, 2023	Feb.22, 2024
Bilog Antenna	SCHWARZBECK	VULB 9168	1225	Dec. 05, 2021	Dec. 04, 2023
Horn Antenna	SCHWARZBECK	BBHA 9120 D	2463	Feb. 26, 2022	Feb.25, 2024
Horn Antenna	SCHWARZBECK	BBHA 9170	1118	Jun. 26, 2022	Jun.25, 2024
Loop Antenna	SCHWARZBECK	FMZB 1519 B	1519B-059	Jun. 26, 2022	Jun.25, 2024
HF Amplifier	Tonscend	TAP9E6343	AP21C806117	Aug. 30, 2023	Aug. 29, 2024
HF Amplifier	Tonscend	TAP051845	AP21C806141	Aug. 30, 2023	Aug. 29, 2024
HF Amplifier	Tonscend	TAP0184050	AP21C806129	Aug. 30, 2023	Aug. 29, 2024
Pre-amplifier	HP	8449B	3008A00849	Feb. 22, 2023	Feb.22, 2024
Highpass Filter	CD	HPM-6.4/18G	(11)	N/A	N/A
Highpass Filter	CD	HPM-2.8/18G		N/A	N/A
Highpass Filter	XINBO	XBLBQ-HTA67(8-25G)	22052702-1	N/A	N/A
Antenna Conducted	Emission				
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date
Spectrum Analyzer	Rohde & Schwarz	FSV40-N	102197	Jun. 20, 2023	Jun. 19, 2024
MXA Signal Analyzer	Agilent	N9020A	MY49100060	Aug. 30, 2023	Aug. 29, 2024
Spectrum Analyzer	KEYSIGT	N9020B	MY60110172	Aug. 30, 2023	Aug. 29, 2024
Will be	DARE!! Instruments	RadiPowerRPR3006W	17I00015SNO26	Aug. 30, 2023	Aug. 29, 2024
DE Dawer Caraca	DARE!! Instruments	RadiPowerRPR3006W	17I00015SNO29	Aug. 30, 2023	Aug. 29, 2024
RF Power Sensor	DARE!! Instruments	RadiPowerRPR3006W	17I00015SNO31	Aug. 30, 2023	Aug. 29, 2024
	DARE!! Instruments	RadiPowerRPR3006W	17I00015SNO33	Aug. 30, 2023	Aug. 29, 2024
RF Control Unit	Tonsced	JS0806-2	21F8060439	Aug. 30, 2023	Aug. 29, 2024
Power Control Box	Tonsced	JS0806-4ADC	21C8060387	N/A	N/A





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### 5. Conducted Emission Test

### 5.1 Test Standard and Limit

5.1.1 Test Standard

### FCC Part 15.207

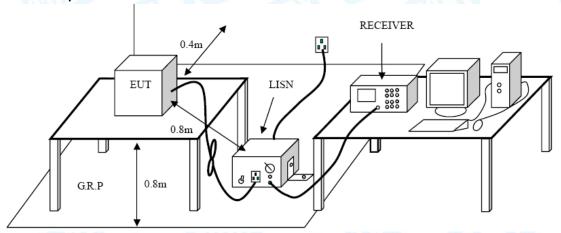
### 5.1.2 Test Limit

Fraguenav	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



### 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 9 kHz, and the test frequency band is from





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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 inside test report.



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# 6. Radiated and Conducted Unwanted Emissions

### 6.1 Test Standard and Limit

6.1.1 Test Standard

### FCC Part 15.209 & FCC Part 15.247(d)

### 6.1.2 Test Limit

General field strength limits at frequencies Below 30MHz			
Frequency	requency Field Strength Measurement Distance		
(MHz)	(microvolt/meter)**	(meters)	
0.009~0.490	2400/F(KHz)	300	
0.490~1.705	24000/F(KHz)	30	
1.705~30.0	30	30	

**Note:** 1, The emission limits for the ranges 9-90 kHz and 110-490 kHz are based on measurements employing a linear average detector.

General field strength limits at frequencies above 30 MHz			
Frequency	Field strength Measurement Distance		
(MHz)	(µV/m at 3 m)	(meters)	
30~88	100	3	
88~216	150	3	
216~960	200	3	
Above 960	500	3	

General field strength limits at frequencies Above 1000MHz				
Distance of 3m (dBuV/m)				
Peak	Average			
74	54			
	Distance of 3			

### Note:

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

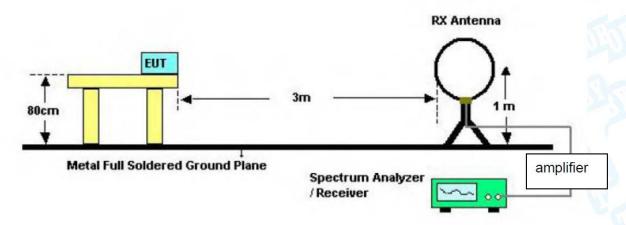
In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated device is operating, the RF power that is produced shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided that the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of root-mean-square averaging over a time interval, as permitted under section 5.4(d), the attenuation required shall be 30 dB instead of 20 dB. Attenuation below the general field strength limits specified in RSS-Gen is not required.



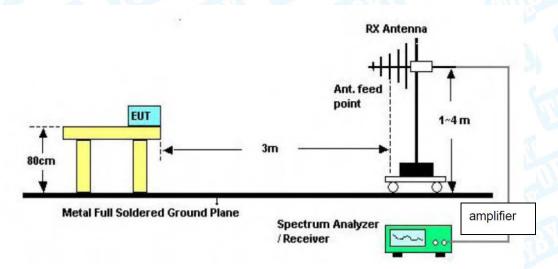
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### 6.2 Test Setup

### Radiated measurement



### **Below 30MHz Test Setup**



# Below 1000MHz Test Setup Ant. feed point Metal Full Soldered Ground Plane Spectrum Analyzer / Receiver

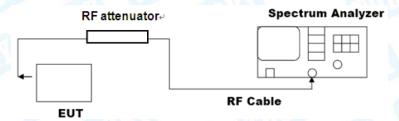
**Above 1GHz Test Setup** 





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### Conducted measurement



### 6.3 Test Procedure

### ---Radiated measurement

- The measuring distance of 3m shall be used for measurements at frequency up to 1GHz and above 1 GHz. The EUT was placed on a rotating 0.8m high above ground, the table was rotated 360 degrees to determine the position of the highest radiation.
- 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.
- The Test antenna shall vary between 1m and 4m, Both Horizontal and Vertical antenna are set to make measurement.
- 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.
- ●If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit Below 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.
- ●Testing frequency range 30MHz-1GHz the measuring instrument use VBW=120 kHz with Quasi-peak detection. Testing frequency range 9KHz-150Hz the measuring instrument use VBW=200Hz with Quasi-peak detection. Testing frequency range 9KHz-30MHz the measuring instrument use VBW=9kHz with Quasi-peak detection.
- 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.
- For the actual test configuration, please see the test setup photo.





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### --- Conducted measurement

### ■ Reference level measurement

Establish a reference level by using the following procedure:

- a) Set instrument center frequency to DTS channel center frequency.
- b) Set the span to≥1.5 times the DTS bandwidth.
- c) Set the RBW = 100 kHz.
- d) Set the VBW≥[3\*RBW].
- e) Detector = peak.
- f) Sweep time = auto couple.
- g) Trace mode = max hold.
- h) Allow trace to fully stabilize.
- i) Use the peak marker function to determine the maximum PSD level.

Note that the channel found to contain the maximum PSD level can be used to establish the reference level.

### Emission level measurement

Establish an emission level by using the following procedure:

- a) Set the center frequency and span to encompass frequency range to be measured.
- b) Set the RBW = 100 kHz.
- c) Set the VBW≥[3\*RBW].
- d) Detector = peak.
- e) Sweep time = auto couple.
- f) Trace mode = max hold.
- g) Allow trace to fully stabilize.
- h) Use the peak marker function to determine the maximum amplitude level.

Ensure that the amplitude of all unwanted emissions outside of the authorized frequency band (excluding restricted frequency bands) is attenuated by at least the minimum requirements specified in 11.11. Report the three highest emissions relative to the limit.

### 6.4 Deviation From Test Standard

No deviation

### 6.5 EUT Operating Mode

Please refer to the description of test mode.

### 6.6 Test Data

Radiated measurement please refer to the Attachment B inside test report.

Conducted measurement please refer to the external appendix report of 2.4G Wi-Fi.



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# 7. Restricted Bands Requirement

### 7.1 Test Standard and Limit

7.1.1 Test Standard

### FCC Part 15.205 & FCC Part 15.247(d)

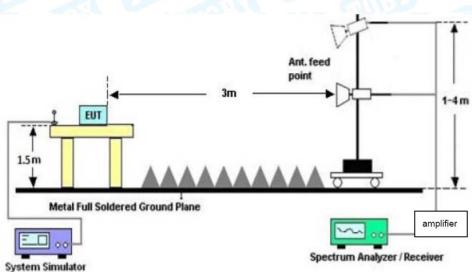
### 7.1.2 Test Limit

Restricted Frequency	Distance Meters(at 3m)		
Band (MHz)	Peak (dBuV/m)	Average (dBuV/m)	
2310 ~2390	74	54	
2483.5 ~2500	74	54	
	Peak (dBm)see 7.3 e)	Average (dBm) see 7.3 e)	
2310 ~2390	-21.20	-41.20	
2483.5 ~2500	-21.20	-41.20	

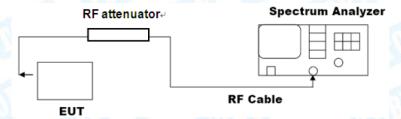
Note: According the ANSI C63.10 11.12.2 antenna-port conducted measurements may also be used as an alternative to radiated measurements for determining compliance in the restricted frequency bands requirements. If conducted measurements are performed, then proper impedance matching must be ensured and an additional radiated test forcabinet/case emissions is required.

# 7.2 Test Setup

### Radiated measurement



### **Conducted measurement**







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### 7.3 Test Procedure

### ---Radiated measurement

- 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.
- The Test antenna shall vary between 1m and 4m, Both Horizontal and Vertical antenna are set to make measurement.
- 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.
- The Peak Value and average value both need to comply with applicable limit above 1 GHz.
- 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.
- For the actual test configuration, please see the test setup photo.

### --- Conducted measurement

- a) Measure the conducted output power (in dBm) using the detector specified by the appropriate regulatory agency (see 11.12.2.3 through 11.12.2.5 for guidance regarding measurement procedures for determining quasi-peak, peak, and average conducted output power, respectively).
- b) Add the maximum transmit antenna gain (in dBi) to the measured output power level to
- determine the EIRP (see 11.12.2.6 for guidance on determining the applicable antenna gain).
- c) Add the appropriate maximum ground reflection factor to the EIRP (6 dB for frequencies
- $\leq$ 30 MHz; 4.7 dB for frequencies between 30 MHz and 1000 MHz, inclusive; and 0 dB for

frequencies > 1000 MHz).

- d) For MIMO devices, measure the power of each chain and sum the EIRP of all chains in linear terms (i.e., watts and mW).
- e) Convert the resultant EIRP to an equivalent electric field strength using the following relationship:

 $E = EIRP-20 \log d + 104.8$ 





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where

E is the electric field strength in dBuV/m

EIRP is the equivalent isotropically radiated power in dBm

d is the specified measurement distance in m

- f) Compare the resultant electric field strength level with the applicable regulatory limit.
- g) Perform the radiated spurious emission test.

### 7.4 Deviation From Test Standard

No deviation

### 7.5 EUT Operating Mode

Please refer to the description of test mode.

### 7.6 Test Data

Radiated measurement please refer to the Attachment C inside test report.

Conducted measurement please refer to the external appendix report of 2.4G Wi-Fi.





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### 8. Bandwidth Test

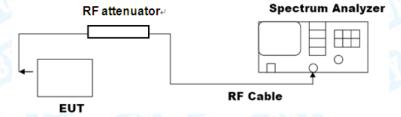
- 8.1 Test Standard and Limit
  - 8.1.1 Test Standard

FCC Part 15.247(d)

8.1.2 Test Limit

Test Item	Limit	Frequency Range(MHz)
-6dB bandwidth	>=500 KHz	2400~2483.5
(DTS bandwidth )	>=500 KHZ	2400~2465.5

### 8.2 Test Setup



### 8.3 Test Procedure

### ---DTS bandwidth

- The steps for the first option are as follows:
- a) Set RBW = 100 kHz.
- b) Set the VBW≥[3\*RBW].
- c) Detector = peak.
- d) Trace mode = max hold.
- e) Sweep = auto couple.
- f) Allow the trace to stabilize.
- g) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

### ---occupied bandwidth

- ●The occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers are each equal to 0.5% of the total mean power of the given emission. The following procedure shall be used for measuring 99% power bandwidth:
- a) The instrument center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be between 1.5 times and 5.0 times the OBW.
- b) The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the





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OBW, and VBW shall be approximately three times the RBW, unless otherwise specified by the applicable requirement.

- c) Set the reference level of the instrument as required, keeping the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope shall be more than [10 log (OBW/RBW)] below the reference level. Specific guidance is given in 4.1.5.2.
- d) Step a) through step c) might require iteration to adjust within the specified range.
- e) Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.
- f) Use the 99% power bandwidth function of the instrument (if available) and report the measured bandwidth.
- g) If the instrument does not have a 99% power bandwidth function, then the trace data points are recovered and directly summed in linear power terms. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5% of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5% of the total is reached; that frequency is recorded as the upper frequency. The 99% power bandwidth is the difference between these two frequencies.
- h) The occupied bandwidth shall be reported by providing plot(s) of the measuring instrument display; the plot axes and the scale units per division shall be clearly labeled. Tabular data may be reported in addition to the plot(s).
- 8.4 Deviation From Test Standard

No deviation

8.5 EUT Operating Mode

Please refer to the description of test mode.

8.6 Test Data

Please refer to the external appendix report of 2.4G Wi-Fi.





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# 9. RF Output Power

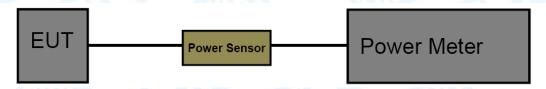
- 9.1 Test Standard and Limit
  - 9.1.1 Test Standard

FCC Part 15.247(b)(3)

9.1.2 Test Limit

Test Item	Limit	Frequency Range(MHz)
RF Output Power	not exceed 1 W or 30dBm	2400~2483.5

### 9.2 Test Setup



### 9.3 Test Procedure

- 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 Mode

  Please refer to the description of test mode.
- 9.6 Test Data

Please refer to the external appendix report of 2.4G Wi-Fi.





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# 10. Power Spectral Density

### 10.1 Test Standard and Limit

10.1.1 Test Standard

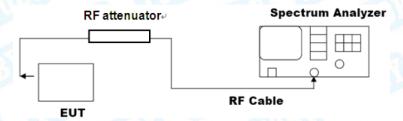
RSS 247 5.2(b)

FCC Part 15.247(e)

10.1.2 Test Limit

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 following procedure shall be used if maximum peak conducted output power was used to determine compliance, and it is optional if the maximum conducted (average) output power was used to determine compliance:
- a) Set analyzer center frequency to DTS channel center frequency.
- b) Set the span to 1.5 times the DTS bandwidth.
- c) Set the RBW to 3 kHz≤RBW≤100 kHz.
- d) Set the VBW ≥[3\*RBW].
- e) Detector = peak.
- f) Sweep time = auto couple.
- g) Trace mode = max hold.
- h) Allow trace to fully stabilize.
- i) Use the peak marker function to determine the maximum amplitude level within the
- j) If measured value exceeds requirement, then reduce RBW (but no less than 3 kHz) and repeat.

### 10.4 Deviation From Test Standard

No deviation

### 10.5 Antenna Connected Construction

Please refer to the description of test mode.

### 10.6 Test Data

Please refer to the external appendix report of 2.4G Wi-Fi.





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# 11. Antenna Requirement

### 11.1 Test Standard and Limit

11.1.1 Test 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 Ant.1: 3.92dBi; Ant.2: 3.42dBi, and the antenna de-signed with permanent attachment and no consideration of replacement. Please see the EUT photo for details.

### 11.4 Test Data

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

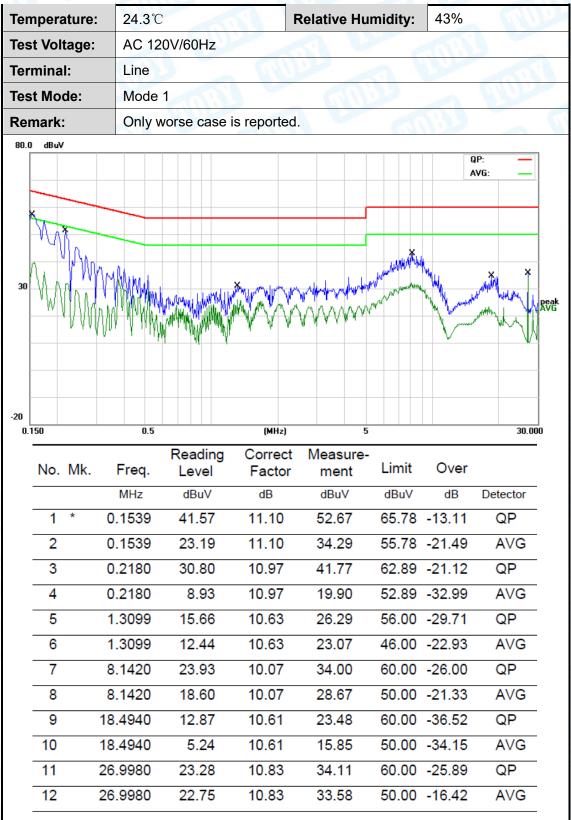
Antenna Type	
☐Permanent attached antenna	
⊠Unique connector antenna	mnBY
☐Professional installation antenna	0





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# **Attachment A-- Conducted Emission Test Data**



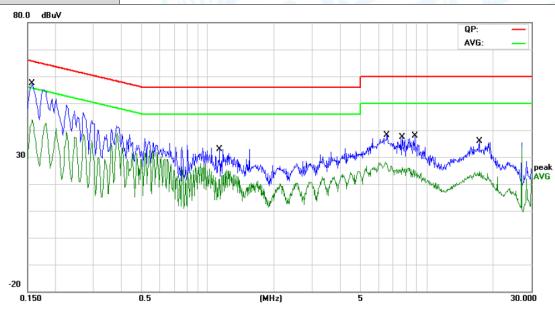
- 1. Corr. Factor (dB) = LISN Factor (dB) + Cable Loss (dB)
- 2. Margin (dB) =QuasiPeak/Average (dBuV)-Limit (dBuV)





Report No.: TBR-C-202304-0016-7 Page: 27 of 129

Temperature:	24.3℃	Relative Humidity:	43%						
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz							
Terminal:	Neutral	Neutral							
Test Mode:									
Remark:									
80.0 dBuV			00						



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	*	0.1580	43.60	11.00	54.60	65.56	-10.96	QP
2		0.1580	30.88	11.00	41.88	55.56	-13.68	AVG
3		1.1340	12.79	10.68	23.47	56.00	-32.53	QP
4		1.1340	8.48	10.68	19.16	46.00	-26.84	AVG
5		6.5700	21.83	10.05	31.88	60.00	-28.12	QP
6		6.5700	14.91	10.05	24.96	50.00	-25.04	AVG
7		7.6900	18.98	10.08	29.06	60.00	-30.94	QP
8		7.6900	14.17	10.08	24.25	50.00	-25.75	AVG
9		8.7780	17.96	10.13	28.09	60.00	-31.91	QP
10		8.7780	13.11	10.13	23.24	50.00	-26.76	AVG
11		17.3740	17.75	10.45	28.20	60.00	-31.80	QP
12		17.3740	12.37	10.45	22.82	50.00	-27.18	AVG

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



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# **Attachment B--Unwanted Emissions Data**

### --- Radiated Unwanted Emissions

### 9 KHz~30 MHz

From 9 KHz to 30 MHz: Conclusion: PASS

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

### 30MHz~1GHz

Temperature:	23.5℃		Relative Humidity:	49%
Test Voltage:	AC 120V/6	0Hz	N. C.	
Ant. Pol.	Horizontal		GHULL	A U
Test Mode:	Mode 1	100	THE STATE OF THE S	William
Remark:	Only worse	case is reported		
80.0 dBuV/m				
70				
60				
50			(RF)FCC Margin -6	15C 3M Radiation
40			6	
30 X	2	3 4	5 7	peal
20		, whi ,	La to de Maria Maria	Mil was a sure was broken
10	Same Albu Alburana	Maryland Marka	M. Market Mills and Market	
0				
-10				
30.000	60.00	(MHz)	300.00	1000.00

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	36.6375	52.95	-23.06	29.89	40.00	-10.11	peak	Р
2	61.5618	51.88	-23.72	28.16	40.00	-11.84	peak	Р
3	96.4362	53.53	-26.00	27.53	43.50	-15.97	peak	Р
4	139.3613	50.07	-22.79	27.28	43.50	-16.22	peak	Р
5	284.9767	55.73	-21.19	34.54	46.00	-11.46	peak	Р
6 *	344.3855	58.62	-19.53	39.09	46.00	-6.91	peak	Р

- Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
   QuasiPeak (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = QuasiPeak (dB $\mu$ V/m)-Limit QPK(dB $\mu$ V/m)





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	Tem	pera	ature:	23.5	$^{\circ}$ C	3		Relative I	Humidity:	49%		1
	Test	Vol	tage:	AC 1	20V	/60H	z					
	Ant.	Pol		Verti	cal	11/	U.S.		3			
	Test	Мо	de:	Mod	e 1			The same		N. L.		5-1
	Rem	ark:		Only	wor	se ca	se is reporte	ed.	133		Linn.	
	80.0	dBu	V/m									_
	70											
ø	60											
١	50									CC 15C 3M R n -6 dB	ladiation	d
	40								6			1
3	30		2 X 2			3 X	4	5			- 4 6	γMpeak
	20	14/14 M	"\ <sub>////</sub> ///	howelly	M	$-\!\!\!\!/\!\!\!\!/$		L Market		Maria Market part for plan	ahayara da	
	10		M .	114	,	WV )	KYTHILMINIY V	rachtelenal, nelteran	1144			
	0											
	-10											
	-20	000					641	1-3				000 000
	30.	.000		60.00			(Mł	izj	300.00		'	000.000
(	No	<b>o</b> .	Freque (MH	-		ading BuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
	1	*	36.89	953	54	1.17	-23.05	31.12	40.00	-8.88	peak	Р
Į.	2		48.84	129	51	1.31	-22.61	28.70	40.00	-11.30	peak	Р
	3		95.76	522	57	7.16	-26.07	31.09	43.50	-12.41	peak	Р

### Remark:

5

139.8508

273.2341

366.8231

Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
 QuasiPeak (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)

49.94

52.02

53.79

-22.77

-21.70

-18.90

27.17

30.32

34.89

43.50

46.00

46.00

-16.33

-15.68

-11.11

peak

peak

peak

Ρ

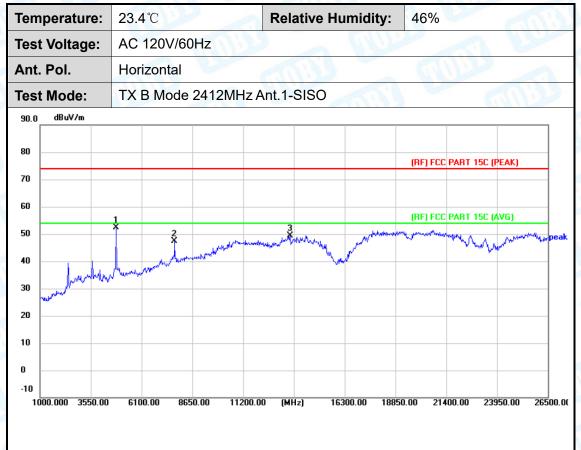
3. Margin (dB) = QuasiPeak (dB $\mu$ V/m)-Limit QPK(dB $\mu$ V/m)





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### **Above 1GHz**



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1 *	4825.000	62.28	-9.98	52.30	74.00	-21.70	peak	Р
2	7757.500	50.36	-2.88	47.48	74.00	-26.52	peak	Р
3	13546.000	39.37	10.02	49.39	74.00	-24.61	peak	Р

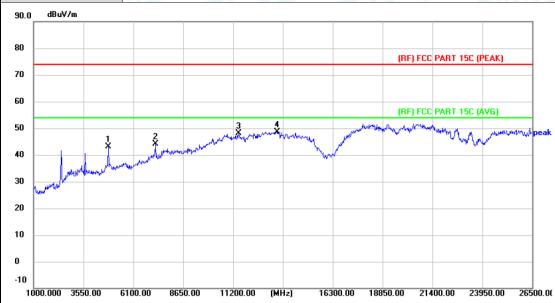
- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)
- 4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.
- 5. No report for the emission which below the prescribed limit.
- 6. The peak value <average limit, So only show the peak value.





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Temperature:	<b>23.4℃</b>	Relative Humidity:	46%						
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz							
Ant. Pol.	Vertical								
Test Mode:	TX B Mode 2412MHz Ant.1-SISO								
90.0 dBuV/m									



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	4825.000	53.10	-9.98	43.12	74.00	-30.88	peak	Р
2	7222.000	48.84	-4.78	44.06	74.00	-29.94	peak	Р
3	11480.500	39.23	8.99	48.22	74.00	-25.78	peak	Р
4 *	13444.000	38.58	10.15	48.73	74.00	-25.27	peak	Р

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB $\mu$ V/m)-Limit PK/AVG(dB $\mu$ V/m)
- 4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.
- 5. No report for the emission which below the prescribed limit.
- 6. The peak value < average limit, So only show the peak value.





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Temperature:	<b>23.4℃</b>	Relative Humidity:	46%
Test Voltage:	AC 120V/60Hz	ans)	CHIL!
Ant. Pol.	Horizontal		mRY
Test Mode:	TX B Mode 2437MHz Ant	1-SISO	
90.0 dBuV/m			
80		80.0	CO DADT 1EC (DE AV)
70		(KF) FI	CC PART 15C (PEAK)
60		(BE) FI	CC PART 15C (AVG)
50 ×		where the second	www.w.peal
30	- mayor the special and the sp		
20 hander			
10			
0			
1000.000 3550.00 6	100.00 8650.00 11200.00 (MHz	16300.00 18850.00 2	1400.00 23950.00 26500.0

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1 *	4876.000	61.12	-9.89	51.23	74.00	-22.77	peak	Р
2	7757.500	51.44	-2.88	48.56	74.00	-25.44	peak	Р
3	13469.500	38.61	10.13	48.74	74.00	-25.26	peak	Р

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

- Con. Antellia Pactor (dB/lli) + Cable Loss (dB)
   Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
   Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)
   The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.
- 5. No report for the emission which below the prescribed limit.
- 6. The peak value < average limit, So only show the peak value.





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16300.00 18850.00 21400.00 23950.00

Temperature:	23.4℃	Relative Humidity:	46%							
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz								
Ant. Pol.	Vertical									
Test Mode:	TX B Mode 2437MF	TX B Mode 2437MHz Ant.1-SISO								
90.0 dBuV/m										
80		(B)	F) FCC PART 15C (PEAK)							
70		(1)	TITEL PAINT 13C (I EAK)							
60		(R	F) FCC PART 15C (AVG)							
50	3	haranen makel haranen yet Versich Versich von der Antonia versichen versiche	Manusching Manuschar peal							
40	James Marie Sand Sand Sand Sand Sand Sand Sand Sand									
30										
20										
10										
0										
-10										

	Frequency	Reading	Factor	Level	Limit	Margin		
No.	(MHz)		(dB/m)	(dBuV/m)		_	Detector	P/F
1	3652.000	54.03	-13.37	40.66	74.00	-33.34	peak	Р
2	4876.000	53.28	-9.89	43.39	74.00	-30.61	peak	Р
3 *	11021.500	40.17	8.08	48.25	74.00	-25.75	peak	Р

(MHz)

### Remark:

1000.000 3550.00

6100.00

8650.00

11200.00

- Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
   Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
   Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)
- 4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.
- 5. No report for the emission which below the prescribed limit.
- 6. The peak value < average limit, So only show the peak value.

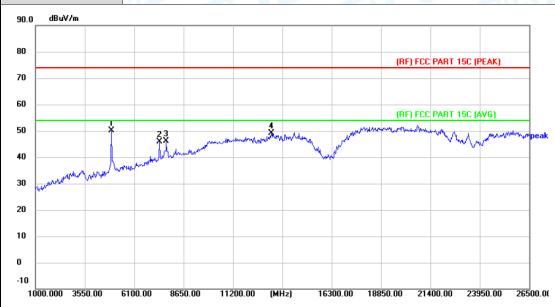


26500.00



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	Temperature:	23.4℃	Relative Humidity:	46%				
/	Test Voltage:	AC 120V/60Hz						
	Ant. Pol.	Horizontal						
	Test Mode:	TX B Mode 2462MHz Ant.1-SISO						



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1 *	4927.000	59.87	-9.76	50.11	74.00	-23.89	peak	Р
2	7400.500	50.20	-4.44	45.76	74.00	-28.24	peak	Р
3	7757.500	49.12	-2.88	46.24	74.00	-27.76	peak	Р
4	13189.000	39.44	9.81	49.25	74.00	-24.75	peak	Р

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB $\mu$ V/m)-Limit PK/AVG(dB $\mu$ V/m)
- 4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.
- 5. No report for the emission which below the prescribed limit.
- 6. The peak value < average limit, So only show the peak value.





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16300.00 18850.00 21400.00 23950.00 26500.00

Temperature: Test Voltage:		23.4℃			Relativ	e Humic	dity:	46%		
		AC 120	AC 120V/60Hz						CH.	M
Ant. Pol. Test Mode:		Vertical	AHI		1	100				
		TX B M	ode 246	2MHz A	nt.1-SIS	0	3 1	100		
90.0	dBuV/m									1
80										
70							(RF) FC	PART 15C (P	EAKJ	
60							(RF) FC	C PART 15C (A	VG1	
50	į	Constitution of the state of th	No. without	2 Wayayallana	3 WWW.	سدستوسمكيس	and the same of the same of	_	Josephy Warner Jan	peak
40		Market Market Strate Control of Charles of C	Harmy Market		, TA.	J <sup>rr</sup>				

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	4927.000	53.69	-9.76	43.93	74.00	-30.07	peak	Р
2	11353.000	39.22	8.92	48.14	74.00	-25.86	peak	Р
3 *	14464.000	37.51	10.78	48.29	74.00	-25.71	peak	Р

(MHz)

### Remark:

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1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

6100.00

8650.00

11200.00

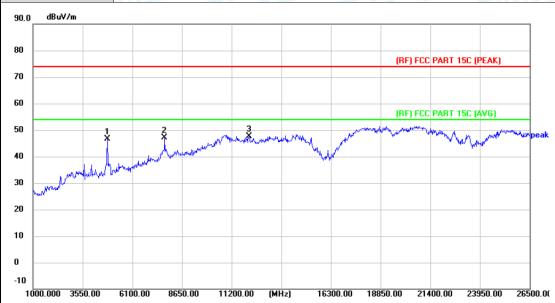
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)
   The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.
- 5. No report for the emission which below the prescribed limit.
- 6. The peak value < average limit, So only show the peak value.





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Temperature:	23.4℃	Relative Humidity:	46%				
Test Voltage:	AC 120V/60Hz						
Ant. Pol.	Horizontal						
Test Mode:	TX G Mode 2412MHz Ant.1-SISO						



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	4825.000	56.53	-9.98	46.55	74.00	-27.45	peak	Р
2	7757.500	50.06	-2.88	47.18	74.00	-26.82	peak	Р
3 *	12092.500	38.16	9.37	47.53	74.00	-26.47	peak	Р

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
- 3. Margin (dB) = Peak/AVG (dB $\mu$ V/m)-Limit PK/AVG(dB $\mu$ V/m)
- 4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.
- 5. No report for the emission which below the prescribed limit.
- 6. The peak value < average limit, So only show the peak value.





Page: 37 of 129

16300.00 18850.00 21400.00 23950.00

Temperature:	<b>23.4</b> ℃	Relative Hun	nidity: 46%					
Test Voltage:	AC 120V/60Hz							
Ant. Pol.	Vertical	/ertical						
Test Mode:	TX G Mode 2412M	dz Ant.1-SISO	3 100					
90.0 dBuV/m								
80								
70			(RF) FCC PART 15C (PEAK)					
60			(RF) FCC PART 15C (AVG)					
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No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	3626.500	56.01	-13.43	42.58	74.00	-31.42	peak	Р
2	11302.000	38.41	8.85	47.26	74.00	-26.74	peak	Р
3 *	13112.500	38.83	9.83	48.66	74.00	-25.34	peak	Р

11200.00 (MHz)

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1000.000 3550.00

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)

8650.00

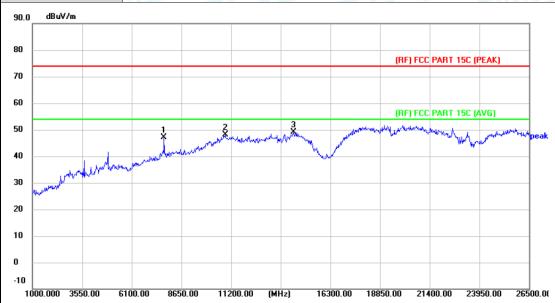
- 3. Margin (dB) = Peak/AVG (dB $\mu$ V/m)-Limit PK/AVG(dB $\mu$ V/m) 4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.
- 5. No report for the emission which below the prescribed limit.
- 6. The peak value < average limit, So only show the peak value.





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Temperature:	23.4℃	Relative Humidity:	46%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX G Mode 2437M	1Hz Ant.1-SISO	



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	7757.500	50.12	-2.88	47.24	74.00	-26.76	peak	Р
2	10894.000	39.84	8.20	48.04	74.00	-25.96	peak	Р
3 *	14413.000	38.20	10.94	49.14	74.00	-24.86	peak	Р

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
- 3. Margin (dB) = Peak/AVG (dB $\mu$ V/m)-Limit PK/AVG(dB $\mu$ V/m)
- 4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.
- 5. No report for the emission which below the prescribed limit.
- 6. The peak value < average limit, So only show the peak value.





Page: 39 of 129

Temperature:	23.4℃		Relative Humidi	ty: 46%
Test Voltage:	AC 120V/6	60Hz		
Ant. Pol.	Vertical	MA		
Test Mode:	TX G Mod	e 2437MHz A	nt.1-SISO	The same
90.0 dBuV/m				
80				
70				(RF) FCC PART 15C (PEAK)
60				
		2		(RF) FCC PART 15C (AVG)
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No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	11531.500	38.75	8.88	47.63	74.00	-26.37	peak	Р
2 *	13138.000	38.79	9.83	48.62	74.00	-25.38	peak	Р
3	14362.000	37.36	10.73	48.09	74.00	-25.91	peak	Р

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

- Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
   Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)
   The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.

  5. No report for the emission which below the prescribed limit.
- 6. The peak value < average limit, So only show the peak value.





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16300.00 18850.00 21400.00 23950.00

Temperature:	23	.4℃			Rela	tive Hun	nidity:	46%
Test Voltage:	AC	C 120V/60Hz						
Ant. Pol.	Но	Horizontal						
Test Mode:	TX	TX G Mode 2462MHz Ant.1-SISO						
90.0 dBuV/m								
80								
70							(RF) FCC	PART 15C (PEAK)
60							(DE) ECC	PART 15C (AVG)
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30	And Division of							

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	4927.000	50.81	-9.76	41.05	74.00	-32.95	peak	Р
2	7757.500	49.14	-2.88	46.26	74.00	-27.74	peak	Р
3 *	13546.000	38.44	10.02	48.46	74.00	-25.54	peak	Р

11200.00 (MHz)

### Remark

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1000.000 3550.00

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

6100.00

8650.00

- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB $\mu$ V/m)-Limit PK/AVG(dB $\mu$ V/m)
- 4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.
- 5. No report for the emission which below the prescribed limit.
- 6. The peak value < average limit, So only show the peak value.





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Temperature:	<b>23.4</b> ℃	Relative Humidity:	46%						
Гest Voltage:	AC 120V/60Hz	C 120V/60Hz							
Ant. Pol.	Vertical	ertical							
Test Mode:	TX G Mode 2462MHz	Ant.1-SISO							
90.0 dBuV/m									
80		WE FOO	PART 15C (PEAK)						
70		(nr) rcc	PART TOC (PEAK)						
60		(RF) FCC	PART 15C (AVG)						
50	La Z	manufacture manufa	white the second peak						
30 Washington	January Market Company of the Compan	W.							
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No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1 *	10945.000	39.90	8.20	48.10	74.00	-25.90	peak	Р
2	12704.500	38.36	9.63	47.99	74.00	-26.01	peak	Р
3	14387.500	37.12	10.91	48.03	74.00	-25.97	peak	Р

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

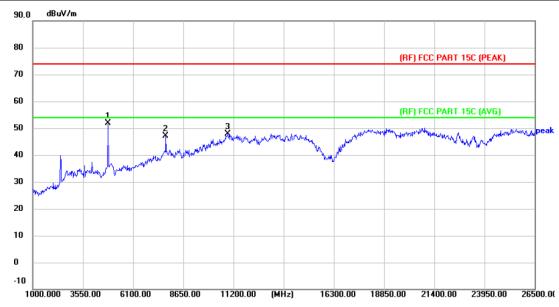
- Corr. = Antenna Factor (αΒ/m) + Cable Loss (αΒ)
   Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
   Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)
   The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.
   No report for the emission which below the prescribed limit.
   The peak value < everygo limit So only about the peak value.</li>
- 6. The peak value < average limit, So only show the peak value.





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Temperature:	23.4℃	Relative Humidity:	46%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		STORY.
Test Mode:	TX B Mode 2412MHz	Ant.1+2-CDD	
90.0 dBuV/m			



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1 *	4825.000	61.76	-9.98	51.78	74.00	-22.22	peak	Р
2	7757.500	49.91	-2.88	47.03	74.00	-26.97	peak	Р
3	10919.500	39.65	8.21	47.86	74.00	-26.14	peak	Р

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB $\mu$ V/m)-Limit PK/AVG(dB $\mu$ V/m)
- 4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.
- 5. No report for the emission which below the prescribed limit.
- 6. The peak value<average limit, So only show the peak value.





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16300.00 18850.00 21400.00 23950.00 26500.00

Tempe	rature:	23.4℃		Relative	Humidity:	46%		
Test Vo	oltage:	AC 120V/6	60Hz		ANI D	CHI);		
Ant. Po	ol.	Vertical	MARIE			and the second		
Test M	ode:	TX B Mode 2412MHz Ant.1+2-CDD						
90.0 d	BuV/m							
80					(RF) FC	C PART 15C (PEAK)		
70								
60					(RF) FC	C PART 15C (AVG)		
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40	J. J.	Mark Mark Mark Mark	WATER TO THE TOTAL THE TOTAL TO THE TOTAL TOTAL TO THE TO	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\				
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No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	4825.000	56.35	-9.98	46.37	74.00	-27.63	peak	Р
2	7222.000	47.39	-4.78	42.61	74.00	-31.39	peak	Р
3 *	14336.500	39.56	10.55	50.11	74.00	-23.89	peak	Р

11200.00 (MHz)

# Remark:

1000.000 3550.00

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

6100.00

8650.00

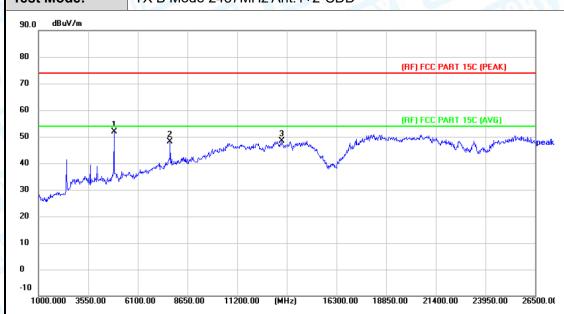
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB $\mu$ V/m)-Limit PK/AVG(dB $\mu$ V/m)
- 4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.
- 5. No report for the emission which below the prescribed limit.
- 6. The peak value < average limit, So only show the peak value.





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Temperature:	<b>23.4℃</b>	Relative Humidity:	46%			
Test Voltage:	AC 120V/60Hz	WILLIAM STATE				
Ant. Pol.	Horizontal	Horizontal				
Test Mode: TX B Mode 2437MHz Ant 1+2-CDD						



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1 *	4876.000	61.79	-9.89	51.90	74.00	-22.10	peak	Р
2	7757.500	51.12	-2.88	48.24	74.00	-25.76	peak	Р
3	13495.000	38.23	10.11	48.34	74.00	-25.66	peak	Р

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dB $\mu$ V/m)= Corr. (dB/m)+ Read Level (dB $\mu$ V) 3. Margin (dB) = Peak/AVG (dB $\mu$ V/m)-Limit PK/AVG(dB $\mu$ V/m)
- 4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.
- 5. No report for the emission which below the prescribed limit.
- 6. The peak value < average limit, So only show the peak value.





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emperature:	<b>23.4</b> ℃	Relative Humidity:	46%
est Voltage:	AC 120V/60Hz		ann:
Ant. Pol.	Vertical		
est Mode:	TX B Mode 2437M	Hz Ant.1+2-CDD	
90.0 dBuV/m			
30		(RF)	FCC PART 15C (PEAK)
70			
50		(RF)	FCC PART 15C (AVG)
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	Auggination		
0			

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	4876.000	57.05	-9.89	47.16	74.00	-26.84	peak	Р
2	10843.000	39.63	7.96	47.59	74.00	-26.41	peak	Р
3 *	13393.000	38.82	10.16	48.98	74.00	-25.02	peak	Р

- Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
   Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
   Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)
- 4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.

  5. No report for the emission which below the prescribed limit.
- 6. The peak value < average limit, So only show the peak value.





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emperature:	23.4℃	Relative Humidity:	46%
est Voltage:	AC 120V/60Hz		ann.
Ant. Pol.	Horizontal		
est Mode:	TX B Mode 2462M	Hz Ant.1+2-CDD	
00.0 dBuV/m			
80			
70		(RF)	FCC PART 15C (PEAK)
0		(BF	FCC PART 15C (AVG)
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No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1 *	4927.000	59.74	-9.76	49.98	74.00	-24.02	peak	Р
2	7757.500	50.32	-2.88	47.44	74.00	-26.56	peak	Р

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

- Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
   Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
   Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)
   The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.
- 5. No report for the emission which below the prescribed limit.
- 6. The peak value < average limit, So only show the peak value.





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Temperature:	23.4℃	<b>Relative Humidity:</b>	46%				
Гest Voltage:	AC 120V/60Hz	AC 120V/60Hz					
Ant. Pol.	Vertical						
Test Mode:	TX B Mode 2462MI	Hz Ant.1+2-CDD					
90.0 dBuV/m							
80		- Or	) FCC PART 15C (PEAK)				
70		(nr	J FCC PART TOC (FEAK)				
60		(BF	) FCC PART 15C (AVG)				
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No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	4927.000	56.44	-9.76	46.68	74.00	-27.32	peak	Р
2	10792.000	39.48	7.69	47.17	74.00	-26.83	peak	Р
3 *	14362.000	38.22	10.73	48.95	74.00	-25.05	peak	Р

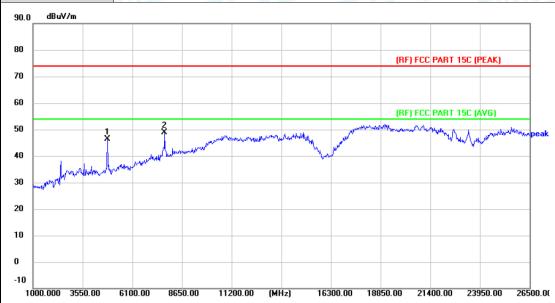
- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
  2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
  3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)
  4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.
  5. No report for the emission which below the prescribed limit
- 5. No report for the emission which below the prescribed limit.
- 6. The peak value < average limit, So only show the peak value.





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•	Temperature:	23.4℃	Relative Humidity:	46%			
/	Test Voltage:	AC 120V/60Hz					
	Ant. Pol.	Horizontal					
	Test Mode:	TX G Mode 2412MHz Ant.1+2-CDD					



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector	P/F
1	4825.000	56.35	-9.98	46.37	74.00	-27.63	peak	Р
2 *	7757.500	51.64	-2.88	48.76	74.00	-25.24	peak	Р

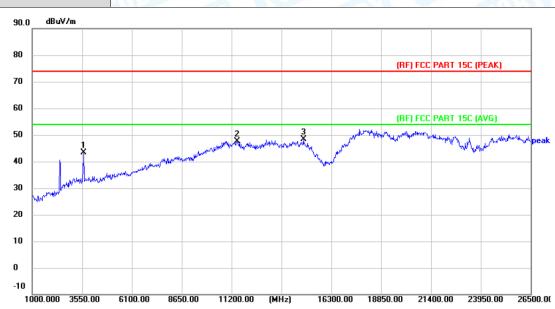
- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
- 3. Margin (dB) = Peak/AVG (dB $\mu$ V/m)-Limit PK/AVG(dB $\mu$ V/m)
- 4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.
- 5. No report for the emission which below the prescribed limit.
- 6. The peak value < average limit, So only show the peak value.





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Те	emperature:	23.4℃	Relative Humidity:	46%
Те	est Voltage:	AC 120V/60Hz		Million
Ar	nt. Pol.	Vertical		Tank.
Te	est Mode:	TX G Mode 2412MHz Ant.	1+2-CDD	



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	3626.500	56.92	-13.43	43.49	74.00	-30.51	peak	Р
2	11480.500	38.58	8.99	47.57	74.00	-26.43	peak	Р
3 *	14872.000	37.19	11.14	48.33	74.00	-25.67	peak	Р

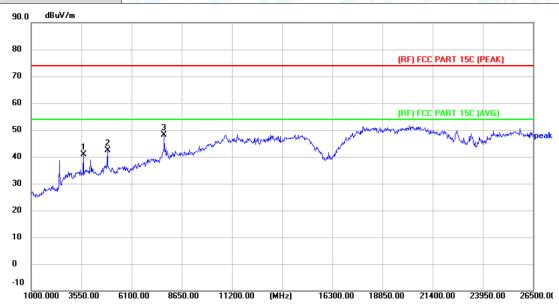
- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB $\mu$ V/m)-Limit PK/AVG(dB $\mu$ V/m) 4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.
- 5. No report for the emission which below the prescribed limit.
- 6. The peak value < average limit, So only show the peak value.





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Temperature:	23.4℃	Relative Humidity:	46%
Test Voltage:	AC 120V/60Hz		MULL
Ant. Pol.	Horizontal		100
Test Mode:	TX G Mode 2437M	Hz Ant.1+2-CDD	
90.0 dBuV/m			



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	3652.000	54.28	-13.37	40.91	74.00	-33.09	peak	Р
2	4876.000	52.15	-9.89	42.26	74.00	-31.74	peak	Р
3 *	7757.500	51.13	-2.88	48.25	74.00	-25.75	peak	Р

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
- 3. Margin (dB) = Peak/AVG (dB $\mu$ V/m)-Limit PK/AVG(dB $\mu$ V/m)
- 4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.
- 5. No report for the emission which below the prescribed limit.
- 6. The peak value < average limit, So only show the peak value.





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Tem	perature:	23.4℃		Relative Humidity	<b>y</b> : 46%
Test	t Voltage:	AC 120V	//60Hz	an:	J GUL
۹nt.	. Pol.	Vertical	Char		
Test	t Mode:	TX G Mc	ode 2437MHz	z Ant.1+2-CDD	The same
90.0 dBuV/m					
80					RF) FCC PART 15C (PEAK)
70					III J TOC FAIT TOC (I CAK)
60					RF) FCC PART 15C (AVG)
50	1		and the same	many the day of the same of th	peal white the peak of the pea
40 30	- January - Sangary	Washing to Agranding the State of the State		3,44	
20					
10					
0 -10					
	000.000 3550.00	6100.00 865	0.00 11200.00	(MHz) 16300.00 18850.00	0 21400.00 23950.00 26500.0

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	3652.000	54.77	-13.37	41.40	74.00	-32.60	peak	Р
2	11276.500	40.06	8.63	48.69	74.00	-25.31	peak	Р
3 *	13928.500	38.53	10.85	49.38	74.00	-24.62	peak	Р

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

- Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
   Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)
   The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.

  5. No report for the emission which below the prescribed limit.
- 6. The peak value < average limit, So only show the peak value.





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Temperatu	ıre:	<b>23.4℃</b>			Rela	tive Hur	nidity:	46%		
Test Voltag	ge:	AC 120\	//60Hz		Care	an				
Ant. Pol.		Horizont	Horizontal							
Test Mode	:	TX G Mode 2462MHz Ant.1+2-CDD								
90.0 dBuV/m										,
80							(DE) F00	D1D7 450 (F	- IV	
70							(HF) FCC	PART 15C (F	'EAKJ	
60							(DE) Fee	DART 150 (	Ver	-
50		2 X		- Landa - Marie - Mari	March Mark	Martylanar		PART 15C (A		^peak
40	×	White Property and the same	and with the state		JAM.	1		- Chirt		
50 40 30	feel goodfeen grant from the	d.								
20										-
10										

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector	P/F
1	4927.000	52.13	-9.76	42.37	74.00	-31.63	peak	Р
2 *	7757.500	52.28	-2.88	49.40	74.00	-24.60	peak	Р

(MHz)

16300.00

18850.00 21400.00

23950.00

-10

1000.000 3550.00

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

6100.00

8650.00

11200.00

- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
  3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)
- 4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.
- 5. No report for the emission which below the prescribed limit.
- 6. The peak value < average limit, So only show the peak value.





Page: 53 of 129

/oltage:	UVA A A A								
oitage.	AC 120\	//60Hz			an			OMI	
Pol.	Vertical	MAG		100	100				
Mode:	TX G Mo	ode 2462	2MHz Ant	.1+2-C[	OD				18
dBuV/m									,
						(RF) FCC I	PART 15C (P	PEAK)	
						(RF) FCC I	PART 15C (A	VG)	
	المورد بدر	nyarhahran and the	Mumaran Marya	MAN SAMONAN	of the sample	Howard	and the Contraction of the Contr	Andrew Services	pea
embrahamya	approling to legan while and the second			,/44					
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,									
	Mode:	Mode: TX G Mode	Mode: TX G Mode 2462	Mode: TX G Mode 2462MHz Ant	Mode: TX G Mode 2462MHz Ant.1+2-CI	Mode: TX G Mode 2462MHz Ant.1+2-CDD  dBuV/m  1 2 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Mode: TX G Mode 2462MHz Ant.1+2-CDD  dBuV/m  (RF) FCC F	Mode: TX G Mode 2462MHz Ant.1+2-CDD  dBuV/m  (RF) FCC PART 15C (F	Mode: TX G Mode 2462MHz Ant.1+2-CDD  dBuV/m  (RF) FCC PART 15C (PEAK)  (RF) FCC PART 15C (AVG)

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector	P/F
1 *	10970.500	39.77	8.18	47.95	74.00	-26.05	peak	Р
2	13571.500	37.95	9.98	47.93	74.00	-26.07	peak	Р
3	14744.500	37.19	10.74	47.93	74.00	-26.07	peak	Р

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

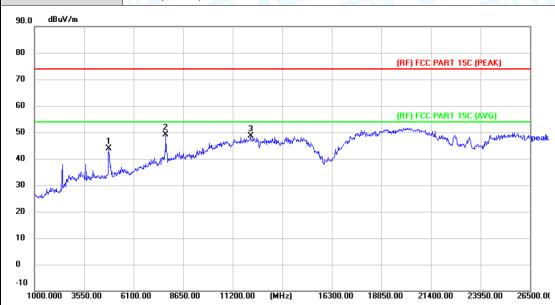
- Corr. = Antenna Factor (αΒ/m) + Cable Loss (αΒ)
   Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
   Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)
   The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.
   No report for the emission which below the prescribed limit.
   The peak value of average limit So or limit have the peak value.
- 6. The peak value < average limit, So only show the peak value.





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1	Temperature:	23.4℃	Relative Humidity:	46%
/	Test Voltage:	AC 120V/60Hz		MUD
	Ant. Pol.	Horizontal		
	Test Mode:	TX n(HT20) Mode 2412MH	lz Ant.1+2-CDD	



N	No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
	1	4825.000	53.82	-9.98	43.84	74.00	-30.16	peak	Р
2	2 *	7757.500	52.02	-2.88	49.14	74.00	-24.86	peak	Р
;	3	12118.000	39.20	9.34	48.54	74.00	-25.46	peak	Р

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dB $\mu$ V/m)= Corr. (dB/m)+ Read Level (dB $\mu$ V) 3. Margin (dB) = Peak/AVG (dB $\mu$ V/m)-Limit PK/AVG(dB $\mu$ V/m)
- 4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.
- 5. No report for the emission which below the prescribed limit.
- 6. The peak value < average limit, So only show the peak value.





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Ter	nperatur	e:	23.4℃	9		Rela	tive Hur	nidity:	46%		
Tes	t Voltage	e:	AC 120	V/60Hz							
An	. Pol.		Vertical	AMO		100	1000		W.		
Tes	t Mode:		TX n(HT20) Mode 2412MHz Ant.1+2-CDD								
90.0	dBuV/m										,
80								(BE) ECC	PART 15C (F	DEAK)	
70								(III ) I CC	TAIT 13C (I	LAKJ	
60								(BE) ECC	PART 15C (A	vei	
50				1 X	2 3 W	MANNE	all hand was properly to the same of the s		month of the		pea
<b>4</b> 0 30	Lange of the land	management	NEL SECTION AND AND AND AND AND AND AND AND AND AN	a problem		, yen					
20	Trachter to the same										
10											
0											-
-10											

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10868.500	39.86	8.07	47.93	74.00	-26.07	peak	Р
2	12806.500	39.08	9.35	48.43	74.00	-25.57	peak	Р
3 *	13495.000	38.68	10.11	48.79	74.00	-25.21	peak	Р

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

- Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
   Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)
   The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected. 5. No report for the emission which below the prescribed limit.
- 6. The peak value < average limit, So only show the peak value.





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emperature:	23.4℃		Relative Hun	nidity:	46%	
est Voltage:	AC 120V/6	60Hz	CITY COLUMN	1377		M
Ant. Pol.	Horizontal	ALO :	AT U			
est Mode:	TX n(HT2	0) Mode 2437	MHz Ant.1+2-Cl	OD		
90.0 dBuV/m						
80				(BE) EC	PART 15C (PEAK)	
70				(III) TC	TAIT 13C (LAK)	
60				(RF) FC	PART 15C (AVG)	
50 *	2 X	3 market and the state of the s	manufacture for the same	May make a way of the contract		<sup>√d</sup> \ <sub>V</sub> r\pe
30	was brushing the formation	No. of the last of				
20						
10						
0						
-10	6100.00 8650.	00 11200.00	(MHz) 16300.00	18850.00 21	400.00 23950.00	26500
1000.000 0000.00	0100.00 0000.	00 11200.00	10000.00	10030.00 21	100.00 2000.00	20300

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	4876.000	55.86	-9.89	45.97	74.00	-28.03	peak	Р
2 *	7757.500	52.15	-2.88	49.27	74.00	-24.73	peak	Р
3	10843.000	40.61	7.96	48.57	74.00	-25.43	peak	Р

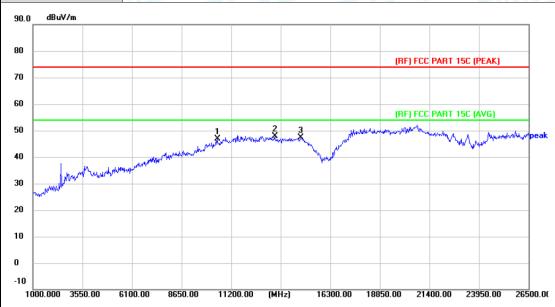
- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
  3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)
- 4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.
- 5. No report for the emission which below the prescribed limit.
- 6. The peak value < average limit, So only show the peak value.





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Temperature:	23.4℃	Relative Humidity:	46%					
Test Voltage:	AC 120V/60Hz	WU377	William Control					
Ant. Pol.	Vertical	Vertical						
Test Mode:	Test Mode: TX n(HT20) Mode 2437MHz Ant.1+2-CDD							



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10486.000	40.35	6.42	46.77	74.00	-27.23	peak	Р
2 *	13444.000	37.77	10.15	47.92	74.00	-26.08	peak	Р
3	14770.000	36.66	10.66	47.32	74.00	-26.68	peak	Р

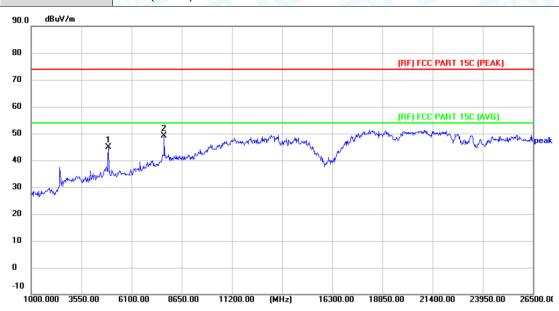
- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB $\mu$ V/m)-Limit PK/AVG(dB $\mu$ V/m)
- 4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.
- 5. No report for the emission which below the prescribed limit.
- 6. The peak value < average limit, So only show the peak value.





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Temperature:	<b>23.4℃</b>	Relative Humidity:	46%					
Test Voltage:	AC 120V/60Hz	mil 31	THE PROPERTY OF					
Ant. Pol.	Horizontal	Horizontal						
Test Mode:	TX n(HT20) Mode 2462MHz Ant.1+2-CDD							
)	'							



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector	P/F
1	4927.000	54.64	-9.76	44.88	74.00	-29.12	peak	Р
2 *	7757.500	51.93	-2.88	49.05	74.00	-24.95	peak	Р

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
- 3. Margin (dB) = Peak/AVG (dB $\mu$ V/m)-Limit PK/AVG(dB $\mu$ V/m)
- 4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.
- 5. No report for the emission which below the prescribed limit.
- 6. The peak value < average limit, So only show the peak value.





23950.00

21400.00

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Temperature:	23.4℃	Rel	lative Humidity:	46%
Test Voltage:	AC 120V/60Hz		anis s	anu:
Ant. Pol.	Vertical		1	0.83
Test Mode:	TX n(HT20) Mo	ode 2462MHz Ar	nt.1+2-CDD	
90.0 dBuV/m				
80			(DE) ECC	PART 15C (PEAK)
70			(nr) rcc	PART TOC (PEAK)
60			(RF) FCC	PART 15C (AVG)
50	- May and property	1 2 3 	Market and Johnson	Manager Manage
30	Marine Ma			
20				
10				
0				

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	11480.500	39.62	8.99	48.61	74.00	-25.39	peak	Р
2 *	13520.500	38.73	10.07	48.80	74.00	-25.20	peak	Р
3	14387.500	37.51	10.91	48.42	74.00	-25.58	peak	Р

(MHz)

16300.00

18850.00

1000.000 3550.00

6100.00

8650.00

11200.00

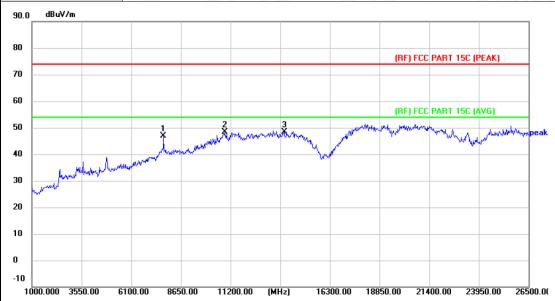
- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
  2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
  3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)
  4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.
  5. No report for the emission which below the prescribed limit
- 5. No report for the emission which below the prescribed limit.
- 6. The peak value < average limit, So only show the peak value.





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Temperature:	23.4℃	Relative Humidity:	46%					
Test Voltage: AC 120V/60Hz								
Ant. Pol.	Horizontal	Horizontal						
Test Mode:	TX n(HT40) Mode 2422M	Hz Ant.1+2-CDD						
90.0 dBuV/m								



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	7757.500	49.66	-2.88	46.78	74.00	-27.22	peak	Р
2	10919.500	40.07	8.21	48.28	74.00	-25.72	peak	Р
3 *	13954.000	37.78	10.70	48.48	74.00	-25.52	peak	Р

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
- 3. Margin (dB) = Peak/AVG (dB $\mu$ V/m)-Limit PK/AVG(dB $\mu$ V/m)
- 4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.
- 5. No report for the emission which below the prescribed limit.
- 6. The peak value < average limit, So only show the peak value.





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Temperature:	23.4℃	Relative Humidity:	46%
Test Voltage:	AC 120V/60Hz	(187)	CULT.
Ant. Pol.	Vertical		
Test Mode:	TX n(HT40) Mode 2422N	1Hz Ant.1+2-CDD	
90.0 dBuV/m			
80		(DE) FOR	DART 150 (DEAK)
70		(nr) rcc	PART 15C (PEAK)
60		(BE) ECC	PART 15C (AVG)
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40	den waterwater of the key from the form	**************************************	-11 0/200
30	Mayore Market for heappen the set of the season was the		
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-10			
1000.000 3550.00	6100.00 8650.00 11200.00 (MH	z) 16300.00 18850.00 214	00.00 23950.00 26500.00

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10894.000	40.99	8.20	49.19	74.00	-24.81	peak	Р
2	12143.500	39.31	9.27	48.58	74.00	-25.42	peak	Р
3 *	13903.000	38.22	11.01	49.23	74.00	-24.77	peak	Р

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB $\mu$ V/m)-Limit PK/AVG(dB $\mu$ V/m) 4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.
- 5. No report for the emission which below the prescribed limit.
- 6. The peak value < average limit, So only show the peak value.





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Гem	perature:	23.4℃		Rela	tive Humidity	46%	
est	t Voltage:	AC 120\	//60Hz			)	CHIT!
\nt.	Pol.	Horizont	lorizontal				
est	t Mode:	TX n(HT	40) Mode	2437MHz A	nt.1+2-CDD	Alle	
90.0	dBuV/m						
80						E) 500 DIDT 450	(75.16)
70					н	F) FCC PART 150	PEAK
60					(B)	F) FCC PART 150	(AVG)
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10	1	Alles Survey was ford	Janes Jahren Van	<u> </u>	<b>\</b>		v r
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No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	4850.500	48.47	-9.94	38.53	74.00	-35.47	peak	Р
2	7757.500	47.55	-2.88	44.67	74.00	-29.33	peak	Р
3 *	11123.500	39.62	7.79	47.41	74.00	-26.59	peak	Р

- Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
   Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
   Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)
- 4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.
- 5. No report for the emission which below the prescribed limit.
- 6. The peak value < average limit, So only show the peak value.





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Temperature:	23.4℃	Relative Humidity:	46%				
Test Voltage:	AC 120V/60Hz	COURT OF THE PARTY					
Ant. Pol.	Vertical	/ertical					
Test Mode:	TX n(HT40) Mode 2	2437MHz Ant.1+2-CDD					
90.0 dBuV/m							
80		(DE) FE	C PART 15C (PEAK)				
70		(nr) ru	C PART TOC (FEAK)				
60		(BF) FC	C PART 15C (AVG)				
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1000.000 3550.00	6100.00 8650.00 11200.0	00 (MHz) 16300.00 18850.00 2	1400.00 23950.00 26500.				

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector	P/F
1	10588.000	40.56	6.43	46.99	74.00	-27.01	peak	Р
2	12857.500	37.57	9.18	46.75	74.00	-27.25	peak	Р
3 *	14362.000	36.53	10.73	47.26	74.00	-26.74	peak	Р

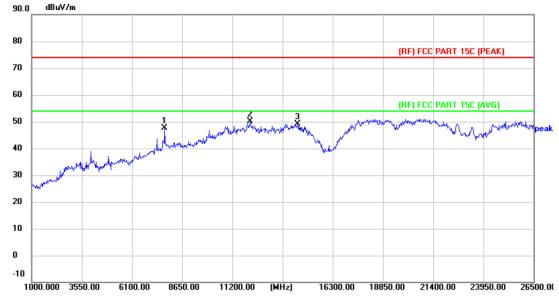
- Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
   Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
   Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)
- 4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.
- 5. No report for the emission which below the prescribed limit.
- 6. The peak value < average limit, So only show the peak value.





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Temperature:	23.4℃	Relative Humidity:	46%
Test Voltage:	AC 120V/60Hz		CHILL:
Ant. Pol.	Horizontal		
Test Mode:	TX n(HT40) Mode	2452MHz Ant.1+2-CDD	The same of the sa
90.0 dBuV/m			
80			
		(RI	F) FCC PART 15C (PEAK)



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector	P/F
1	7757.500	50.60	-2.88	47.72	74.00	-26.28	peak	Р
2 *	12092.500	40.68	9.37	50.05	74.00	-23.95	peak	Р
3	14515.000	38.45	10.69	49.14	74.00	-24.86	peak	Р

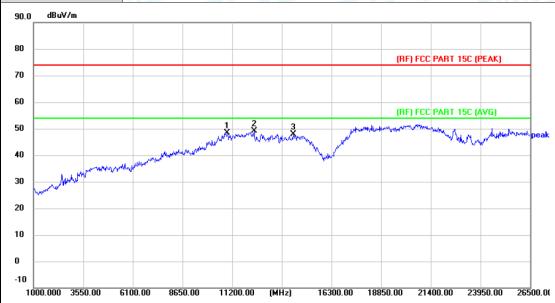
- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
- 3. Margin (dB) = Peak/AVG (dB $\mu$ V/m)-Limit PK/AVG(dB $\mu$ V/m)
- 4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.
- 5. No report for the emission which below the prescribed limit.
- 6. The peak value < average limit, So only show the peak value.





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Temperature:	23.4℃	Relative Humidity:	46%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX n(HT40) Mode 2452Mi	Hz Ant.1+2-CDD	



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10945.000	40.25	8.20	48.45	74.00	-25.55	peak	Р
2 *	12322.000	40.30	8.93	49.23	74.00	-24.77	peak	Р
3	14336.500	37.44	10.55	47.99	74.00	-26.01	peak	Р

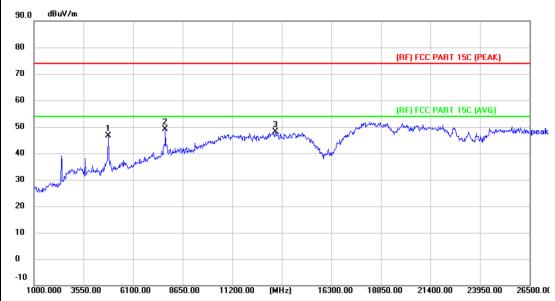
- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
- 3. Margin (dB) = Peak/AVG (dB $\mu$ V/m)-Limit PK/AVG(dB $\mu$ V/m)
- 4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.
- 5. No report for the emission which below the prescribed limit.
- 6. The peak value < average limit, So only show the peak value.





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Temperature:	23.4℃	Relative Humidity:	46%				
Test Voltage:	AC 120V/60Hz						
Ant. Pol.	Horizontal	Horizontal					
Test Mode: TX VHT20 Mode 2412MHz Ant.1+2-CDD							
90.0 dBuV/m							



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	l .	Margin (dB)	Detector	P/F
1	4825.000	56.57	-9.98	46.59	74.00	-27.41	peak	Р
2 *	7757.500	51.98	-2.88	49.10	74.00	-24.90	peak	Р
3	13418.500	37.90	10.17	48.07	74.00	-25.93	peak	Р

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dB $\mu$ V/m)= Corr. (dB/m)+ Read Level (dB $\mu$ V) 3. Margin (dB) = Peak/AVG (dB $\mu$ V/m)-Limit PK/AVG(dB $\mu$ V/m)
- 4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.
- 5. No report for the emission which below the prescribed limit.
- 6. The peak value < average limit, So only show the peak value.





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Temperature:	23.4℃	Relative Humidity: 46°	%			
Гest Voltage:	AC 120V/60Hz					
Ant. Pol.	Vertical					
Test Mode:	TX VHT20 Mode 2412M	Hz Ant.1+2-CDD				
90.0 dBuV/m						
80		(05) 550 0407	TEO (DEAK)			
70		(RF) FCC PART 1	ISC (PEAK)			
60		(RF) FCC PART	ISC (AVG)			
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-10						

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector	P/F
1	10817.500	40.26	7.83	48.09	74.00	-25.91	peak	Р
2 *	13189.000	38.84	9.81	48.65	74.00	-25.35	peak	Р
3	14387.500	37.15	10.91	48.06	74.00	-25.94	peak	Р

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

- Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
   Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)
   The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected. 5. No report for the emission which below the prescribed limit.
- 6. The peak value < average limit, So only show the peak value.

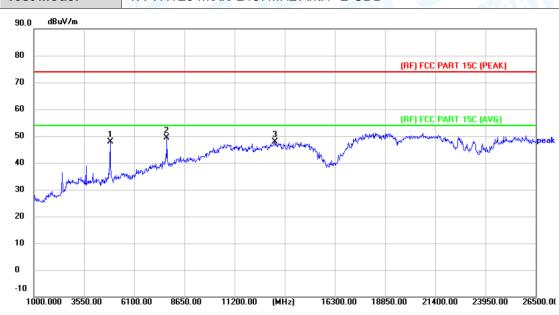




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Temperature:	23.4℃	Relative Humidity:	46%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		

**Test Mode:** TX VHT20 Mode 2437MHz Ant.1+2-CDD



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	4876.000	57.69	-9.89	47.80	74.00	-26.20	peak	Р
2 *	7757.500	52.15	-2.88	49.27	74.00	-24.73	peak	Р
3	13240.000	37.96	9.80	47.76	74.00	-26.24	peak	Р

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB $\mu$ V/m)-Limit PK/AVG(dB $\mu$ V/m)
- 4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.
- 5. No report for the emission which below the prescribed limit.
- 6. The peak value < average limit, So only show the peak value.





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Tempe	rature:	<b>23.4℃</b>			Relative	e Humidity:	: 46%			
est Vo	Itage:	AC 120V/60Hz								
nt. Po	ı.	Vertical	BHOR							
est Mo	ode:	TX VHT	20 Mode	2437MH	z Ant.1+2	-CDD	THE STATE OF THE S			
90.0 dE	uV/m								7	
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70						()	CC TAITI TO	, (i Enit)		
60						(BF) F	CC PART 150	C (AVG)		
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20	,									
20 -10	Jr. I									
20			50.00 1120		16300.0	0 18850.00	21400.00	23950.00 26	5500.00	

### 14515.000 37.07 10.69

11225.500

13189.000

2 \*

- Remark:
- Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
   Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
   Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)

39.29

38.84

4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.

8.15

9.81

47.44

48.65

47.76

74.00

74.00

74.00

-26.56

-25.35

-26.24

peak

peak

peak

Ρ

- 5. No report for the emission which below the prescribed limit.
- 6. The peak value < average limit, So only show the peak value.

