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Radio Test Report FCC ID: 2BBTG-CONNECTPRO

Original Grant

Report No. : TBR-C-202304-0231-102

Applicant : G-MEE LLC

Equipment Under Test (EUT)

EUT Name : 4G Smartphone

Model No. : Connect Pro

Series Model No. : Connect Pro L

Brand Name : G-Mee

Sample ID : 202304-0231-9#1 & 202304-0231-9#2

Receipt Date : 2023-05-15

Test Date : 2023-05-15 to 2023-06-30

Issue Date : 2023-06-30

Standards : FCC Part 15 Subpart C 15.247

Test Method : ANSI C63.10: 2013

KDB 558074 D01 15.247 Meas Guidance v05r02

Conclusions : PASS

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

Witness Engineer : (curille 4

Engineer Supervisor : WWW SV

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 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-202304-0231-102	Rev.01	Initial issue of report	2023-06-30
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1. General Information about EUT

1.1 Client Information

Applicant	i	G-MEE LLC	
Address : 2803 Philadelphia Pike B # 4040 Claymont, DE 19703, I		2803 Philadelphia Pike B # 4040 Claymont, DE 19703, USA	
Manufacturer :		Shenzhen Cheng Fong Digital-Tech Limited	
Address		Building A, Weihua Industrial Area, Huaxing road, Dalang, Longhua, Shenzhen, China	

1.2 General Description of EUT (Equipment Under Test)

EUT Name		4G Smartphone			
Model(s) No.	:	Connect Pro, Connect Pro L			
Model Difference	:	All PCB boards and circuit diagrams are the same, the only difference is that appearance.			
1001	V	Operation Frequency:	802.11b/g/n(HT20): 2412MHz~2462MHz 802.11n(HT40): 2422MHz~2452MHz		
		Number of Channel:	802.11b/g/n(HT20):11 channels 802.11n(HT40): 7 channels		
Product		Antenna Gain:	0.6dBi PIFA Antenna		
Description		Modulation Type:	802.11b: DSSS(CCK, DQPSK, DBPSK) 802.11g/n:OFDM(BPSK,QPSK,16QAM,64 QAM)		
		Bit Rate of Transmitter:	802.11b:11/5.5/2/1 Mbps 802.11g:54/48/36/24/18/12/9/6 Mbps 802.11n:up to 150Mbps		
Power Rating	:	Input: DC 5V			
Li-ion Polymer Battery		DC 3.8V by 3000mAh Rechargeable Li-ion battery			
Software Version		H612C2.CF.PO575M.4+64.ConnectPro_L.G-mee.US.13.0.V01.20 23_05_12			
Hardware Version		H612C_MB_V1			

Remark:

- (1) The antenna gain 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 provided by the applicant.



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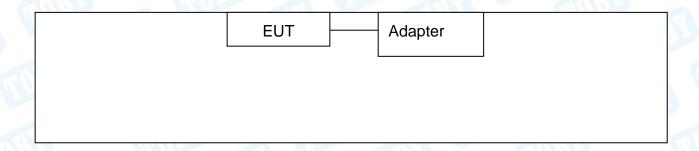
(4) Channel List:

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

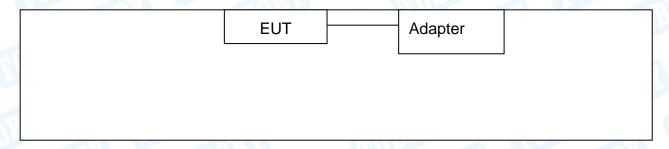
Note: CH 01~CH 11 for 802.11b/g/n(HT20) CH 03~CH 09 for 802.11n(HT40)

1.3 Block Diagram Showing the Configuration of System Tested

Conducted Test



Radiated Test





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1.4 Description of Support Units

Equipment Information							
Name Model FCC ID/VOC Manufacturer Used "√"							
Adapter HUAWEI				1			
Cable Information							
Number Shielded Type Ferrite Core Length Note							
Cable 1			0.8M	Accessory			

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	Charging with TX b Mode Channel 01				
Fo	r 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					

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 802.11g Mode: OFDM

802.11n (HT20) Mode: MCS 0 802.11n (HT40) Mode: MCS 0



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(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 Software: *#*#3646633#*#*/Connectivity					
	Test Mod	e: Continuously	/ transmitting		
Mode	Data Rate	Channel	Parameters		
	CCK/ 1Mbps	01	19		
802.11b	CCK/ 1Mbps	06	19		
	CCK/ 1Mbps	11	19		
	OFDM/ 6Mbps	01	17		
802.11g	OFDM/ 6Mbps	06	17		
	OFDM/ 6Mbps	11	17		
THUE	MCS 0	01	17		
802.11n(HT20)	MCS 0	06	17		
	MCS 0	11	17		
TIN'	MCS 0	03	17		
802.11n(HT40)	MCS 0	06	17		
33	MCS 0	09	17		



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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	$\pm 3.50~\mathrm{dB}$ $\pm 3.10~\mathrm{dB}$
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 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	Took like we	Toot Commission	lus dama and	Damari
FCC	Test Item	Test Sample(s)	Judgment	Remari
FCC 15.207(a)	Conducted Emission	202304-0231-9#1	PASS	N/A
FCC 15.209 & 15.247(d)	Radiated Unwanted Emissions	202304-0231-9#1	PASS	N/A
FCC 15.203	Antenna Requirement	202304-0231-9#2	PASS	N/A
FCC 15.247(a)(2)	6dB Bandwidth	202304-0231-9#2	PASS	N/A
	99% Occupied bandwidth	202304-0231-9#2	PASS	N/A
FCC 15.247(b)(3)	Peak Output Power and E.I.R.P	202304-0231-9#2	PASS	N/A
FCC 15.247(e)	Power Spectral Density	202304-0231-9#2	PASS	N/A
FCC 15.247(d)	Band Edge Measurements	202304-0231-9#2	PASS	N/A
FCC 15.247(d)	Conducted Unwanted Emissions	202304-0231-9#2	PASS	N/A
FCC 15.205&15.209	Emissions in Restricted Bands	202304-0231-9#2	PASS	N/A
	On Time and Duty Cycle	202304-0231-9#2	1	N/A

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

3. Test Software

Test Item	Test Software	Manufacturer	Version No.
Conducted Emission	EZ-EMC	EZ	CDI-03A2
Radiation Emission	EZ-EMC	EZ	FA-03A2RE
RF Conducted Measurement	MTS-8310	MWRFtest	V2.0.0.0
RF Test System	JS1120	Tonscend	V2.6.88.0336



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4. Test Equipment

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date
EMI Test Receiver		ESCI			
EIVII Test Receiver	Rohde & Schwarz	ESCI	100321	Jun. 20, 2023	Jun. 19, 2024
DE Oudstable a Hair	Compliance	DOLLAA	0.4400	lux 00 0000	h 40, 0004
RF Switching Unit	Direction Systems	RSU-A4	34403	Jun. 20, 2023	Jun. 19, 2024
	Inc	NINE COOR	0000 04404		1 40 0004
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
ISN	SCHWARZBECK	NTFM 8131	8131-193	Jun. 20, 2023	Jun. 19, 2024
ISN	SCHWARZBECK	CAT3 8158	cat3 5158-0094	Jun. 20, 2023	Jun. 19, 2024
ISN	SCHWARZBECK	NTFM5158	NTFM5158 0145	Jun. 20, 2023	Jun. 19, 2024
ISN	SCHWARZBECK	CAT 8158	cat5 8158-179	Jun. 20, 2023	Jun. 19, 2024
Radiation Emission	n Test (A Site)				
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date
Spectrum Analyzer	Rohde & Schwarz	FSV40-N	102197	Jun. 20, 2023	Jun. 19, 2024
EMI Test Receiver	Rohde & Schwarz	ESPI	100010/007	Jun. 20, 2023	Jun. 19, 2024
Bilog Antenna	ETS-LINDGREN	3142E	00117537	Feb. 27, 2022	Feb.26, 2024
Horn Antenna	ETS-LINDGREN	3117	00143207	Feb. 26, 2022	Feb.25, 2024
Horn Antenna	SCHWARZBECK	BBHA 9170	1118	Feb. 26, 2022	Feb.25, 2024
Loop Antenna	SCHWARZBECK	FMZB 1519 B	1519B-059	Jun. 26, 2022	Jun.25, 2024
Pre-amplifier	SONOMA	310N	185903	Jun. 20, 2023	Jun. 19, 2024
Pre-amplifier	HP	8449B	3008A00849	Jun. 20, 2023	Jun. 19, 2024
HF Amplifier	Tonscend	TAP0184050	AP21C806129	Sep.01.2022	Aug. 31, 2023
Antenna Conducte	d Emission				
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date
Spectrum Analyzer	Agilent	E4407B	MY45106456	Jun. 20, 2023	Jun. 19, 2024
Spectrum Analyzer	Rohde & Schwarz	FSV40-N	102197	Jun. 20, 2023	Jun. 19, 2024
MXA Signal Analyzer	KEYSIGHT	N9020B	MY60110172	Sep.01.2022	Aug. 31, 2023
MXA Signal Analyzer	Agilent	N9020A	MY47380425	Sep.01.2022	Aug. 31, 2023
Vector Signal Generator	Agilent	N5182A	MY50141294	Sep.01.2022	Aug. 31, 2023
Analog Signal Generator	Agilent	N5181A	MY48180463	Sep.01.2022	Aug. 31, 2023
Vector Signal Generator	KEYSIGHT	N5182B	MY59101429	Sep.01.2022	Aug. 31, 2023
Analog Signal Generator	KEYSIGHT	N5173B	MY61252685	Sep.01.2022	Aug. 31, 2023



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	DARE!! Instruments	RadiPowerRPR3006W	17I00015SNO26	Sep.01.2022	Aug. 31, 2023
DE Dawer Carrer	DARE!! Instruments	RadiPowerRPR3006W	17I00015SNO29	Sep.01.2022	Aug. 31, 2023
RF Power Sensor	DARE!! Instruments	RadiPowerRPR3006W	17I00015SNO31	Sep.01.2022	Aug. 31, 2023
	DARE!! Instruments	RadiPowerRPR3006W	17I00015SNO33	Sep.01.2022	Aug. 31, 2023
RF Control Unit	Tonsced	JS0806-1	21C8060380	N/A	N/A
RF Control Unit	Tonsced	JS0806-2	21F8060439	Sep.01.2022	Aug. 31, 2023
Band Reject Filter Group	Tonsced	JS0806-F	21D8060414	Jun. 20, 2023	Jun. 19, 2024
Power Control Box	Tonsced	JS0806-4ADC	21C8060387	N/A	N/A
Wideband Radio Comunication Tester	Rohde & Schwarz	CMW500	144382	Sep.01.2022	Aug. 31, 2023
Universal Radio Communication Tester	Rohde&Schwarz	CMW500	168796	Feb. 23, 2023	Feb.22, 2024
Temperature and Humidity Chamber	ZhengHang	ZH-QTH-1500	ZH2107264	Jun. 20, 2023	Jun. 19, 2024





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5. Conducted Emission Test

5.1 Test Standard and Limit

5.1.1 Test Standard

FCC Part 15.207

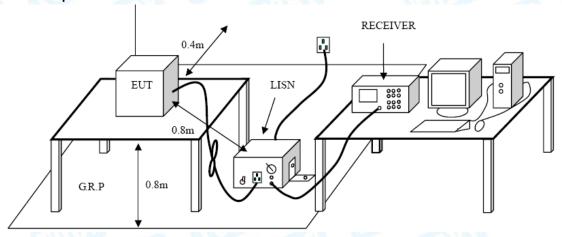
5.1.2 Test Limit

Francis	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.



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● The bandwidth of EMI test receiver is set at 9 kHz, 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 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	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	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					

/m)
Average
54

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



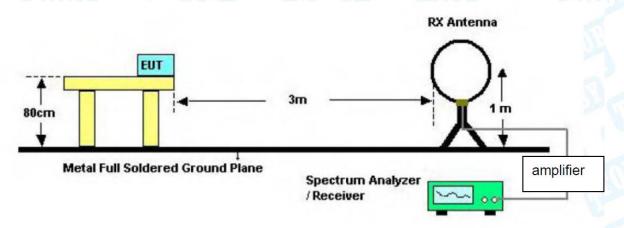
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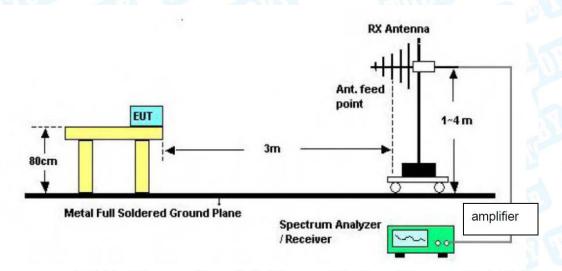
transmitter complies with the conducted power limits based on the use of root-mean-square averaging over a time interval, as permitted under section 5.4(d), the attenuation required shall be 30 dB instead of 20 dB. Attenuation below the general field strength limits specified in RSS-Gen is not required.

6.2 Test Setup

Radiated measurement



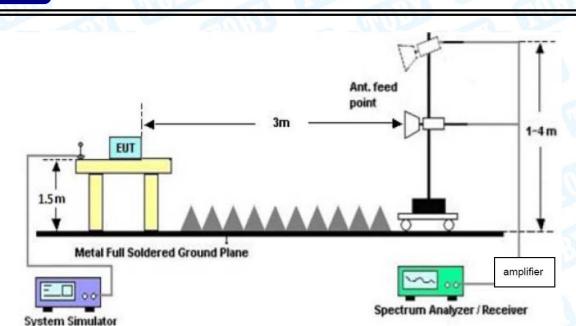
Below 30MHz Test Setup



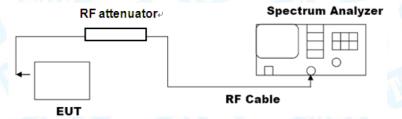
Below 1000MHz Test Setup



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Above 1GHz Test Setup 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



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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 Appendix C.

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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 15.249

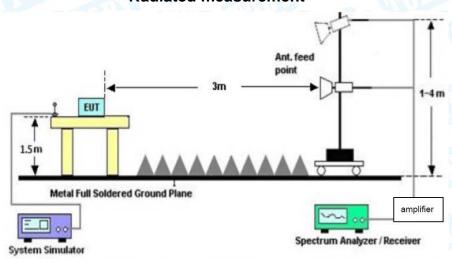
7.1.2 Test Limit

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	-41.20	-21.20		
2483.5 ~2500	-41.20	-21.20		

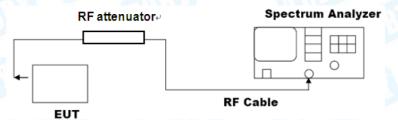
Note: According the ANSI C63.10 11.12.2 antenna-port conducted measurements may also be used as an alternative to radiated measurements for determining compliance in the restricted frequency bands requirements. If conducted measurements are performed, then proper impedance matching must be ensured and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

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

where

E is the electric field strength in dBuV/m



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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.



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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

Remark: The test uses antenna-port conducted measurements as an alternative to radiated measurements for determining compliance in the restricted frequency bands requirements.



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8. Bandwidth Test

8.1 Test Standard and Limit

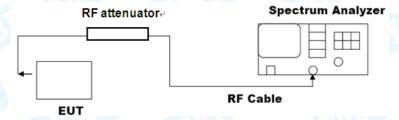
8.1.1 Test Standard

FCC Part 15.205 & 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	2400~2463.5		
99% occupied bandwidth		2400~2483.5		

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.



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b) The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the 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



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9. Peak Output Power

9.1 Test Standard and Limit

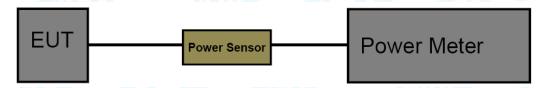
9.1.1 Test Standard

FCC Part 15.247(b)(3)

9.1.2 Test Limit

Test Item	Limit	Frequency Range(MHz)		
Peak 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



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10. Power Spectral Density

10.1 Test Standard and Limit

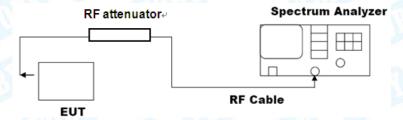
10.1.1 Test Standard

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 RBW.
- 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



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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 0.6dBi, and the antenna de-signed with permanent attachment and no consideration of replacement. Please see the EUT photo for details.

11.4 Test Data

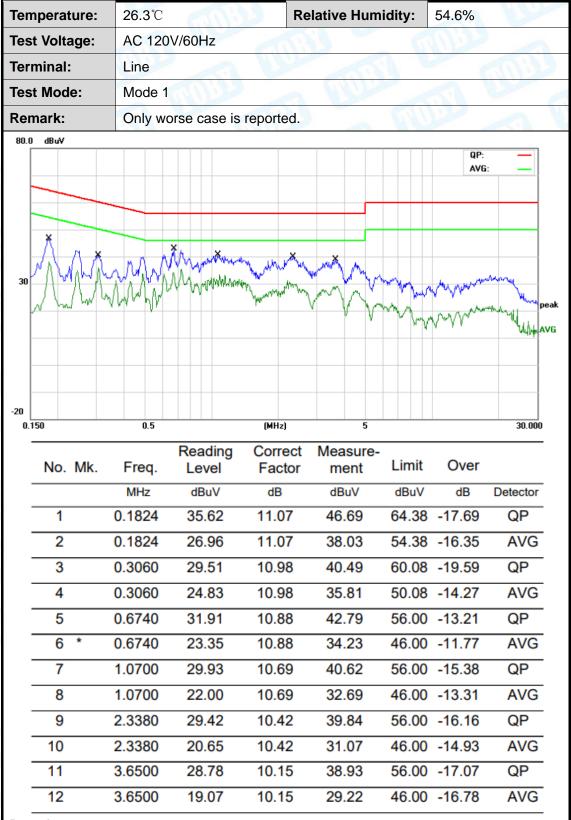
The EUT antenna is a PIFA Antenna. It complies with the standard requirement.

Antenna Type			
⊠Permanent attached antenna	P. Fills		
Unique connector antenna			
☐Professional installation antenna	Marie Land		



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Attachment A-- Conducted Emission Test Data



Remark:

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





Ten	nperature:	26.3℃		a 10	Relative Hu	ımidity:	54.69	%
Tes	t Voltage:	AC 12	20V/60Hz	33		1)		All Co
Ter	minal:	Neutra	al		13	GI.	11/11	
Tes	t Mode:	Mode	Mode 1					
Rer	nark:	Only v	vorse case	is reported	ONO			
80.0) dBuV							
-20			M. Walley		***	**************************************	QP:	pea
0.	150	0.5		(MHz)	5			30.000
	No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
	1	0.1819	37.64	11.07	48.71	64.40 -	15.69	QP
	2	0.1819	28.65	11.07	39.72	54.40 -	14.68	AVG
	3	0.2420	32.09	11.05	43.14	62.03 -	18.89	QP
	4	0.2420	24.84	11.05	35.89	52.03 -	16.14	AVG
	5	0.4304	27.57	10.90	38.47	57.24 -	18.77	QP
	6	0.4304	21.08	10.90	31.98	47.24 -	15.26	AVG
	7	0.4778	30.19	10.92	41.11	56.38 -	15.27	QP
	8	0.4778	23.62	10.92	34.54	46.38 -	11.84	AVG
	9	0.7380	30.56	10.85	41.41	56.00 -	14.59	QP
	10 *	0.7380	23.55	10.85	34.40	46.00 -	11.60	AVG
			20.00	10.42	40.34	56.00 -	15 66	QP
	11	2.3380	29.92	10.42	40.34	50.00 -	15.00	QP

- 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

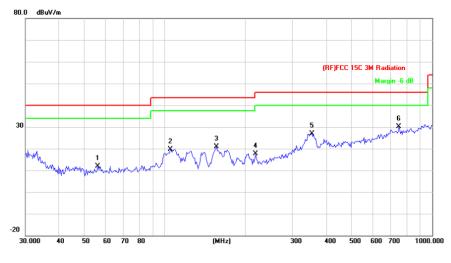
9 KHz~30 MHz

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:	46%	U
Test Voltage:	AC 120V/60Hz			
Ant. Pol.	Horizontal		A Trans	
Test Mode:	Mode 2			CALL
Remark:	Only worse case is reporte	d.	M. D.	



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		56.0007	28.65	-16.73	11.92	40.00	-28.08	peak
2		104.5361	34.66	-15.05	19.61	43.50	-23.89	peak
3		155.9100	34.60	-13.82	20.78	43.50	-22.72	peak
4		218.3085	30.42	-12.87	17.55	46.00	-28.45	peak
5		354.1831	33.83	-7.07	26.76	46.00	-19.24	peak
6	*	750.1082	29.21	1.00	30.21	46.00	-15.79	peak

^{*:}Maximum data x:Over limit !:over margin

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
 2. QuasiPeak (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = QuasiPeak (dB μ V/m)-Limit QPK(dB μ V/m)





Temperature:	23.5℃		R	elative Humi	idity:	46%			
est Voltage:	AC 12	0V/60Hz	33						
Ant. Pol.	Vertica	Vertical Mode 2							
Test Mode:	Mode								
Remark:	Only v	vorse case is	s reported.	CHO		a v			
80.0 dBuV/m									
					(RF)FCC	15C 3M Radiation Margin -6			
						, raight o	H		
30 1					c		Mary May		
× 2	3	4 ×	5 **		uh Kunn	mulmh	φ _γ ,		
M M M	/ M	, Marrow)	~ ~ \ \ \ \	Mummum	M				
	Www	W W	MM/A L WA	A date					
	0 60 70	80	(MHz)	300	400	500 600 700	1000 0		
20 30.000 40 50) 60 70		(MHz)	300	400	500 600 700	1000.0		
30.000 40 50		Reading	Correct	Measure-			1000.0		
30.000 40 50	o 60 70				400 Limit	500 600 700 Over	1000.0		
30.000 40 50 No. Mk. F		Reading	Correct	Measure-		Over	1000.0		
No. Mk. F	req.	Reading Level	Correct Factor	Measure- ment	Limit	Over			
No. Mk. F	req.	Reading Level	Correct Factor	Measure- ment dBuV/m	Limit dBuV/m	Over	Detecto		
No. Mk. F 1 * 32. 2 47.	Freq. MHz 8637	Reading Level dBuV 35.40	Correct Factor dB/m -10.58	Measure- ment dBuV/m 24.82	Limit dBuV/m 40.00	Over dB -15.18	Detecto peal		
No. Mk. F 1 * 32. 2 47. 3 54.	Freq. MHz 8637 6586	Reading Level dBuV 35.40 38.91	Correct Factor dB/m -10.58 -16.62	Measure- ment dBuV/m 24.82 22.29	Limit dBuV/m 40.00 40.00	Over dB -15.18 -17.71	Detecto peal peal		
No. Mk. F 1 * 32. 2 47. 3 54. 4 106	Freq. MHz 8637 6586 0711	Reading Level dBuV 35.40 38.91 38.31	Correct Factor dB/m -10.58 -16.62 -16.70	Measure- ment dBuV/m 24.82 22.29 21.61	Limit dBuV/m 40.00 40.00 40.00	Over dB -15.18 -17.71 -18.39	Detector peal peal peal		

*:Maximum data

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

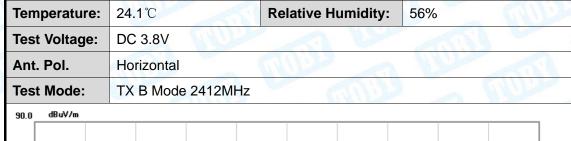
x:Over limit !:over margin

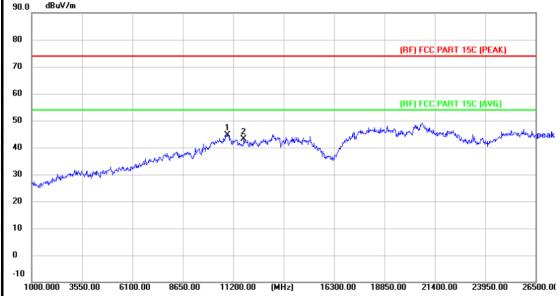
3. Margin (dB) = QuasiPeak (dB μ V/m)-Limit QPK(dB μ V/m)



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Above 1GHz





No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1 *	10894.000	46.43	-1.80	44.63	74.00	-29.37	peak
2	11735.500	44.22	-1.13	43.09	74.00	-30.91	peak

Remark:

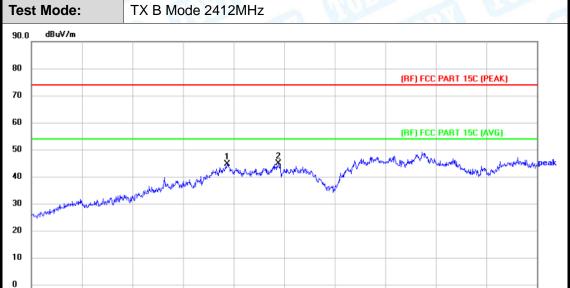
- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-26.5GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency.
- 5. No report for the emission which more than 20dB below the prescribed limit.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



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16300.00 18850.00 21400.00 23950.00





N	No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
	1	10868.500	46.47	-1.93	44.54	74.00	-29.46	peak
2	2 *	13469.500	44.66	0.13	44.79	74.00	-29.21	peak

11200.00 (MHz)

Remark

1000.000 3550.00

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

6100.00

8650.00

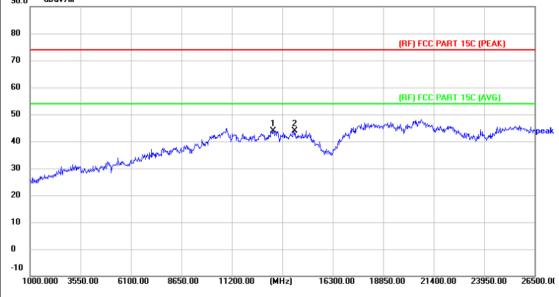
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-26.5GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency.
- 5. No report for the emission which more than 20dB below the prescribed limit.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.





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	WALKET LAND AND A SECOND ASSESSMENT OF THE SEC					
Temperature:	24.1 ℃	Relative Humidity:	56%			
Test Voltage:	DC 3.8V	DC 3.8V				
Ant. Pol.	Horizontal	COMP.				
Test Mode:	TX B Mode 2437MH	z				
90.0 dBuV/m						
80		(RF)	FCC PART 15C (PEAK)			
70		()				



N	0.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector	ı
1		13291.000	44.04	-0.21	43.83	74.00	-30.17	peak	
2	*	14387.500	42.97	0.91	43.88	74.00	-30.12	peak	

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dB μ V/m)= Corr. (dB/m)+ Read Level (dB μ V) 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency.

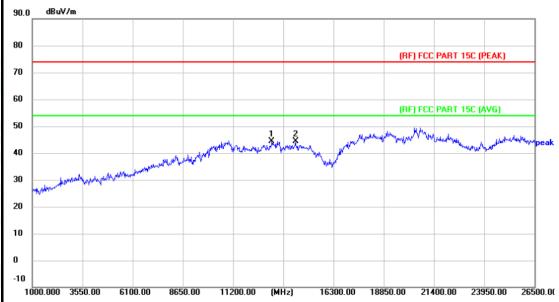
 5. No report for the emission which more than 20dB below the prescribed limit.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.





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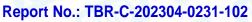
Temperature:	24.1℃	Relative Humidity:	56%
Test Voltage:	DC 3.8V		000
Ant. Pol.	Vertical		
Test Mode:	TX B Mode 2437MHz	A TUDING	



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	13163.500	44.67	-0.19	44.48	74.00	-29.52	peak
2 *	14362.000	43.76	0.73	44.49	74.00	-29.51	peak

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dB μ V/m)= Corr. (dB/m)+ Read Level (dB μ V) 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency.

 5. No report for the emission which more than 20dB below the prescribed limit.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



26500.00

23950.00



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Ten	nperature:	24.1 ℃		135	Relative	Humid	ity:	56%		
Tes	t Voltage:	DC 3.8V	A COLUMNIA				a	NB3		
Ant	. Pol.	Horizont	al	10	The same	400	1			
Tes	t Mode:	TX B Mc	de 2462	2MHz	1	MATT				
90.0	dBuV/m									,
80							(DE) E6	D4D7 450	, ne 1 v	
70							(RF) FC	PART 15C	PEAKJ	
60							(RF) FC	PART 15C	(AVG)	
50			1 *		Ž.	Mayaraka	and the state of t	Video Marie	a and the second	ana ak
40			Mary Carlotter Carlotter	myllon, many	Marcon	J. 10 .		- Mary	Annuar	реак
30	And the state of t	pulphospil politicist and the second								
20										
10										-

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1 *	10945.000	47.72	-1.80	45.92	74.00	-28.08	peak
2	14387.500	43.18	0.91	44.09	74.00	-29.91	peak

(MHz)

16300.00

18850.00

21400.00

1000.000 3550.00

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

6100.00

8650.00

- Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
 Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)
 The tests evaluated1-26.5GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency.

 5. No report for the emission which more than 20dB below the prescribed limit.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.





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, T	MI H I I		
Temperature:	24.1 °C	Relative Humidity:	56%
Test Voltage:	DC 3.8V		
Ant. Pol.	Vertical		
Test Mode:	TX B Mode 2462MHz	710	
90.0 dBuV/m			
80			
70		(RF)	FCC PART 15C (PEAK)
60		(RF)	FCC PART 15C (AVG)
50	J.		Mayde dama and a last
40	and the second of the second of the second	wat warmen of the same of the	Deak
30 Martin Market	any which the many th		
20			
10			
0			

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1 *	10970.500	46.35	-1.82	44.53	74.00	-29.47	peak
2	13546.000	44.42	0.02	44.44	74.00	-29.56	peak

16300.00

18850.00

21400.00

23950.00

11200.00 (MHz)

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

8650.00

6100.00

1000.000 3550.00

- Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
 Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)
 The tests evaluated1-26.5GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency.

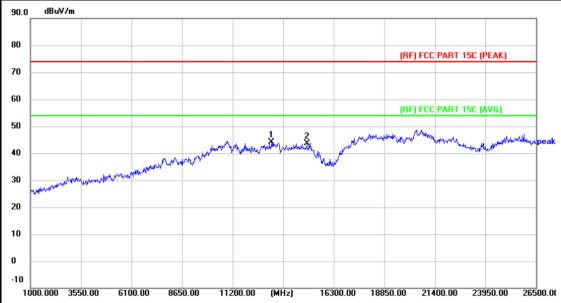
 5. No report for the emission which more than 20dB below the prescribed limit.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.





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Temperature:	24.1℃	Relative Humidity:	56%
Test Voltage:	DC 3.8V		1000
Ant. Pol.	Horizontal		
Test Mode:	TX G Mode 2412MHz	110	
90.0 dBuV/m			



1	No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
	1 *	13163.500	44.35	-0.19	44.16	74.00	-29.84	peak
	2	14948.500	42.33	1.37	43.70	74.00	-30.30	peak

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dB μ V/m)= Corr. (dB/m)+ Read Level (dB μ V) 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency.

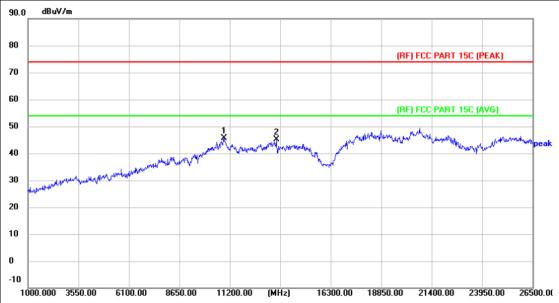
 5. No report for the emission which more than 20dB below the prescribed limit.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.





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	Wild the state of		
Temperature:	24.1℃	Relative Humidity:	56%
Test Voltage:	DC 3.8V		1000
Ant. Pol.	Vertical		CONTRACTOR OF THE PARTY OF THE
Test Mode:	TX G Mode 2412MHz	W. C.	
90.0 dBuV/m			



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1 *	10894.000	47.38	-1.80	45.58	74.00	-28.42	peak
2	13546.000	45.14	0.02	45.16	74.00	-28.84	peak

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dB μ V/m)= Corr. (dB/m)+ Read Level (dB μ V) 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency.

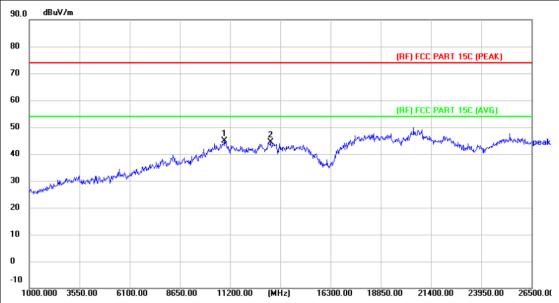
 5. No report for the emission which more than 20dB below the prescribed limit.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.





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	EL E		
Temperature:	24.1℃	Relative Humidity:	56%
Test Voltage:	DC 3.8V		11111
Ant. Pol.	Horizontal		WUR T
Test Mode:	TX G Mode 2437MHz		
90.0 dBuV/m			



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1 *	10894.000	46.69	-1.80	44.89	74.00	-29.11	peak
2	13240.000	44.56	-0.20	44.36	74.00	-29.64	peak

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dB μ V/m)= Corr. (dB/m)+ Read Level (dB μ V) 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency.

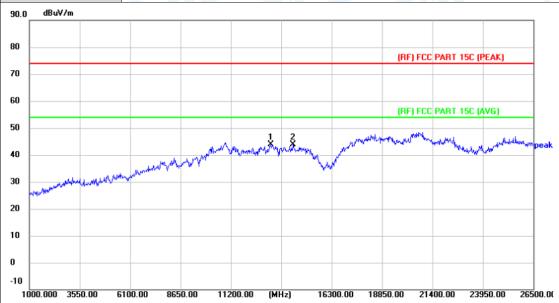
 5. No report for the emission which more than 20dB below the prescribed limit.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.





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Temperature:	24.1℃	Relative Humidity:	56%
Test Voltage:	DC 3.8V		000
Ant. Pol.	Vertical		COMP
Test Mode:	TX G Mode 2437MHz		
90.0 dBuV/m			



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	13214.500	44.03	-0.20	43.83	74.00	-30.17	peak
2 *	14336.500	43.29	0.55	43.84	74.00	-30.16	peak

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dB μ V/m)= Corr. (dB/m)+ Read Level (dB μ V) 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency.

 5. No report for the emission which more than 20dB below the prescribed limit.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.





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Temperature:	24.1℃	Relative Humidity:	56%
Test Voltage:	DC 3.8V		Will a
Ant. Pol.	Horizontal		
Test Mode:	TX G Mode 2462MHz	NIO.	1
90.0 dBuV/m			
80		(RF) FC	C PART 15C (PEAK)
70			
60		(BE) FC	C PART 15C (AVG)
50	1,	3 yez-damina ya Markalla	



(MHz)

16300.00

18850.00

21400.00

Remark:

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10

-10

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 μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency.

 5. No report for the emission which more than 20dB below the prescribed limit.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.





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Temperature:	24.1℃	Relative Humidity:	56%
Test Voltage:	DC 3.8V		100
Ant. Pol.	Vertical		COUNTY OF THE PARTY OF THE PART
Test Mode:	TX G Mode 2462MHz		

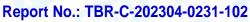


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	12857.500	43.98	-0.82	43.16	74.00	-30.84	peak
2 *	14413.000	42.49	0.94	43.43	74.00	-30.57	peak

Remark:

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dB μ V/m)= Corr. (dB/m)+ Read Level (dB μ V) 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency.

 5. No report for the emission which more than 20dB below the prescribed limit.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.





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Temperature:	24.1℃	Relative Humidity:	56%
Test Voltage:	DC 3.8V		
Ant. Pol.	Horizontal		mn131
Test Mode:	TX n(HT20) Mode 241	2MHz	
90.0 dBuV/m			
80		(RF) FCC F	ART 15C (PEAK)
70			
60			ART 15C (AVG)
50	akkaa	Millianskin white the same of	Managha Managapeal
30	man the second when the second		
20			
10			

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1 *	10919.500	47.01	-1.79	45.22	74.00	-28.78	peak
2	13520.500	44.97	0.07	45.04	74.00	-28.96	peak

(MHz)

16300.00

18850.00

21400.00

23950.00

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 (dBμV/m)-Limit PK/AVG(dBμV/m)
 4. The tests evaluated1-26.5GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency.

 5. No report for the emission which more than 20dB below the prescribed limit.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.





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Temperature:	24.1 ℃	Relative Humidity:	56%				
Test Voltage:	DC 3.8V	V					
Ant. Pol.	Vertical						
Test Mode:	TX n(HT20) Mode 24	112MHz	10				
90.0 dBuV/m							
80							
70		(HF) FC	C PART 15C (PEAK)				
60		(RE) FC	C PART 15C (AVG)				
50							
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30 Mahayanan Jamayahan	hand the state of						
20							
10							
0							
-10							

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	l
1 *	13265.500	44.92	-0.20	44.72	74.00	-29.28	peak	
2	14923.000	41.91	1.36	43.27	74.00	-30.73	peak	

- 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 evaluated1-26.5GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency.

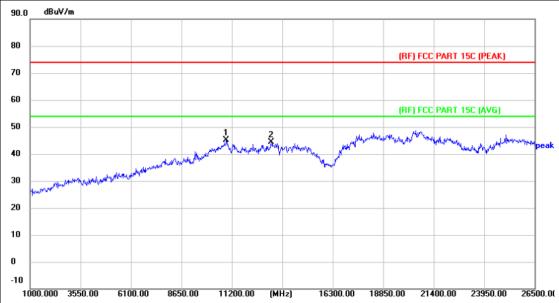
 5. No report for the emission which more than 20dB below the prescribed limit.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.





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	MA TO TRANSPORT					
Temperature:	24.1℃	Relative Humidity:	56%			
Test Voltage:	DC 3.8V		1000			
Ant. Pol.	Horizontal					
Test Mode:	TX n(HT20) Mode 2437MHz					
90.0 dBuV/m						



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1 *	10919.500	46.98	-1.79	45.19	74.00	-28.81	peak
2	13189.000	44.48	-0.19	44.29	74.00	-29.71	peak

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dB μ V/m)= Corr. (dB/m)+ Read Level (dB μ V) 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency.

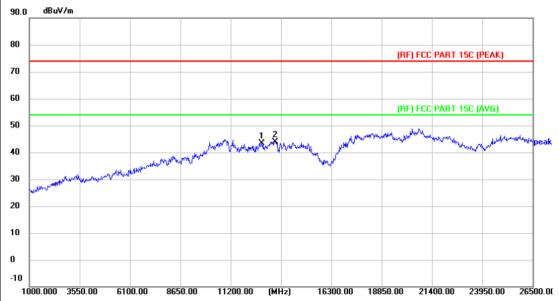
 5. No report for the emission which more than 20dB below the prescribed limit.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.





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Temperature:	24.1℃	13.7	Relative Humidity:	56%
Test Voltage:	DC 3.8V			000
Ant. Pol.	Vertical	3 W		CONTRACTOR OF THE PARTY OF THE
Test Mode:	TX n(HT20) M	ode 2437MI	·lz	50
90.0 dBuV/m				· · · · · · · · · · · · · · · · · · ·



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	12781.000	43.85	-0.58	43.27	74.00	-30.73	peak
2 *	13469.500	43.81	0.13	43.94	74.00	-30.06	peak

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dB μ V/m)= Corr. (dB/m)+ Read Level (dB μ V) 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency.

 5. No report for the emission which more than 20dB below the prescribed limit.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.

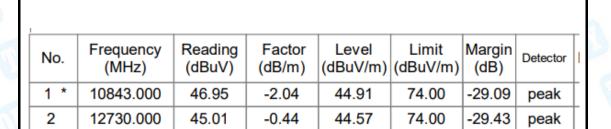




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21400.00 23950.00

	E1 E 1		
Temperature:	24.1℃	Relative Humidity:	56%
Test Voltage:	DC 3.8V		
Ant. Pol.	Horizontal	The state of the s	mili di
Test Mode:	TX n(HT20) Mode	2462MHz	
90.0 dBuV/m			
80		(F	RF) FCC PART 15C (PEAK)
70			
60		(F	RF) FCC PART 15C (AVG)



16300.00

18850.00

11200.00 (MHz)

Remark:

10

1000.000 3550.00

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

6100.00

- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency.

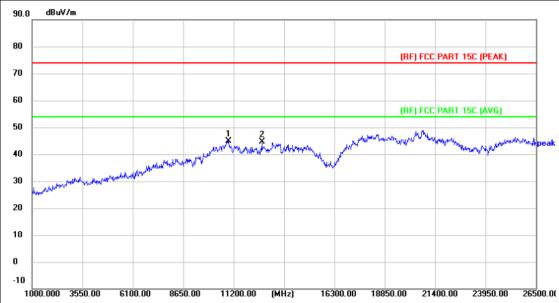
 5. No report for the emission which more than 20dB below the prescribed limit.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.





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	RIBILE		
Temperature:	24.1℃	Relative Humidity:	56%
Test Voltage:	DC 3.8V		000
Ant. Pol.	Vertical	All Control of	000
Test Mode:	TX n(HT20) Mode 2	2462MHz	
90.0 dBuV/m			



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1 *	10945.000	46.72	-1.80	44.92	74.00	-29.08	peak
2	12628.000	44.98	-0.36	44.62	74.00	-29.38	peak

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dB μ V/m)= Corr. (dB/m)+ Read Level (dB μ V) 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency.

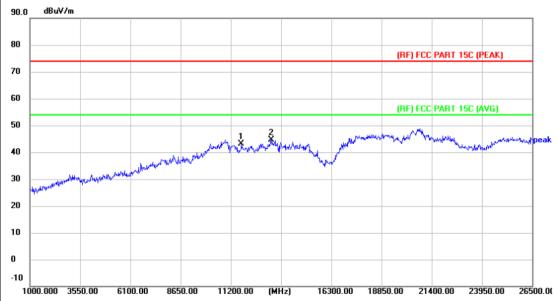
 5. No report for the emission which more than 20dB below the prescribed limit.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.





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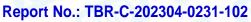
Temperature:	24.1℃	Relative Humidity:	56%		
Test Voltage:	DC 3.8V		1133		
Ant. Pol.	Ant. Pol. Horizontal				
Test Mode: TX n(HT40) Mode 2422MHz					
90.0 dBuV/m					
90					



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	11735.500	44.18	-1.13	43.05	74.00	-30.95	peak
2 *	13240.000	44.87	-0.20	44.67	74.00	-29.33	peak

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dB μ V/m)= Corr. (dB/m)+ Read Level (dB μ V) 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency.

 5. No report for the emission which more than 20dB below the prescribed limit.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.





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	LIBITION		
Temperature:	24.1℃	Relative Humidity:	56%
Test Voltage:	DC 3.8V		000
Ant. Pol.	Vertical	All and the second	COM S
Test Mode:	TX n(HT40) Mode 2	2422MHz	1
90.0 dBuV/m			
80			
70		(RF) FC	C PART 15C (PEAK)
60		(BF) FC	C PART 15C (AVG)
50	1		
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30 manhay William Mark	Land of the state		
20			
10			

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1 *	10894.000	46.44	-1.80	44.64	74.00	-29.36	peak
2	14362.000	43.59	0.73	44.32	74.00	-29.68	peak

(MHz)

16300.00

18850.00

21400.00

23950.00

26500.00

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 (dBμV/m)-Limit PK/AVG(dBμV/m)
 4. The tests evaluated1-26.5GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency.

 5. No report for the emission which more than 20dB below the prescribed limit.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.





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Temperature:	24.1℃	Relative Humidity:	56%
Test Voltage:	DC 3.8V		
Ant. Pol.	Horizontal		
Test Mode:	TX n(HT40) Mode 2437N	1Hz	



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector	ı
1 *	10945.000	47.12	-1.80	45.32	74.00	-28.68	peak	
2	13469.500	44.49	0.13	44.62	74.00	-29.38	peak	Г

Remark:

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dB μ V/m)= Corr. (dB/m)+ Read Level (dB μ V)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency.

 5. No report for the emission which more than 20dB below the prescribed limit.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.





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emperature:	24.1 ℃	Relative Humidity:	56%			
est Voltage:	DC 3.8V					
Ant. Pol.		and 3				
est Mode:	TX n(HT40) Mode 2437	7MHz				
00.0 dBuV/m						
80		(RE) FC	C PART 15C (PEAK)			
0		(111)100	Trait foo (Eric)			
60	(RF) FCC PART 15C (AVG)					
0	nur de la constantina	Morriage morrison who	Marine Marine Marine Marine Pea			
10 market market for	The property of the party of th		7 1			
0						

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	11072.500	45.22	-2.13	43.09	74.00	-30.91	peak
2 *	13214.500	44.80	-0.20	44.60	74.00	-29.40	peak

- 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 evaluated1-26.5GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency.

 5. No report for the emission which more than 20dB below the prescribed limit.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.





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emperature:	24.1 ℃	Relative Humidity:	56%
est Voltage:	DC 3.8V		
Ant. Pol.	Horizontal	W. Committee	and 3
est Mode:	TX n(HT40) Mode 24	I52MHz	
00.0 dBuV/m			
30		(RF) FCC PART 15C (PEAK)
70			, roo trait foo (Erm)
60		(RF) FCC PART 15C (AVG)
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BO Warmer Many and	January Market M	***	
0			
ı			

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	11302.000	44.06	-1.15	42.91	74.00	-31.09	peak
2 *	14591.500	43.30	0.85	44.15	74.00	-29.85	peak

- 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 evaluated1-26.5GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency.

 5. No report for the emission which more than 20dB below the prescribed limit.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



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Temperature:	24.1℃	Relative Humidity:	56%				
Test Voltage:	DC 3.8V	DC 3.8V Vertical TX n(HT40) Mode 2452MHz					
Ant. Pol.	Vertical						
Test Mode:	TX n(HT40) Mode 245						
90.0 dBuV/m							
80		(RF) FC	C PART 15C (PEAK)				
70							
60		(RF) FC	C PART 15C (AVG)				
50	1	and the same of th	Walter Albert				
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30 Harry about the history of the files	(prostation of the contract of						
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0							

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	ı
1 *	10970.500	46.51	-1.82	44.69	74.00	-29.31	peak	
2	13495.000	44.21	0.11	44.32	74.00	-29.68	peak	Γ

16300.00

18850.00

21400.00

23950.00

Remark:

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

6100.00

8650.00

11200.00

- Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
 Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)
 The tests evaluated1-26.5GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency.

 5. No report for the emission which more than 20dB below the prescribed limit.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.

----END OF REPORT----