

## Shenzhen Toby Technology Co., Ltd.



Report No.: TBR-C-202204-0125-112

Page: 1 of 49

# **Radio Test Report**

FCC ID: 2A233-AYANEONEXTPRO

**Report No.** : TBR-C-202204-0125-112

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

**Equipment Under Test (EUT)** 

**EUT Name** : tablet computer

Model No. : AYANEO NEXT Pro

Series Model No. : AYANEO NEXT

Brand Name : AYANEO

Sample ID : RW-C-202204-0125-1-1#&RW-C-202204-0125-1-2#

**Receipt Date** : 2022-04-28

**Test Date** : 2022-04-28 to 2022-06-10

**Issue Date** : 2022-06-16

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 : MAN SV

Engineer Manager :

Wade. Lv Ivan Su Ray Lai

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



## Contents

COV	NIENIS	2
1.	GENERAL INFORMATION ABOUT EUT	5
	1.1 Client Information	5
	1.2 General Description of EUT (Equipment Under Test)	5
	1.3 Block Diagram Showing the Configuration of System Tested	
	1.4 Description of Support Units	
	1.5 Description of Test Mode	9
	1.6 Description of Test Software Setting	10
	1.7 Measurement Uncertainty	11
	1.8 Test Facility	11
2.	TEST SUMMARY	12
3.	TEST SOFTWARE	12
4.	TEST EQUIPMENT	13
5.	CONDUCTED EMISSION TEST	14
	5.1 Test Standard and Limit	14
	5.2 Test Setup	14
	5.3 Test Procedure	
	5.4 Deviation From Test Standard	15
	5.5 EUT Operating Mode	15
	5.6 Test Data	15
6.	RADIATED AND CONDUCTED UNWANTED EMISSIONS	16
	6.1 Test Standard and Limit	16
	6.2 Test Setup	
	6.3 Test Procedure	
	6.4 Deviation From Test Standard	19
	6.5 EUT Operating Mode	19
	6.6 Test Data	19
7.	RESTRICTED BANDS REQUIREMENT	20
	7.1 Test Standard and Limit	20
	7.2 Test Setup	20
	7.3 Test Procedure	21
	7.4 Deviation From Test Standard	22
	7.5 EUT Operating Mode	22
	7.6 Test Data	22
8.	BANDWIDTH TEST	23
	8.1 Test Standard and Limit	23
	8.2 Test Setup	23
	8.3 Test Procedure	
	8.4 Deviation From Test Standard	
	8.5 EUT Operating Mode	24



Report No.: TBR-C-202204-0125-112 Page: 3 of 49

	8.6 Test Data	
9.	PEAK OUTPUT POWER	25
	9.1 Test Standard and Limit	
	9.2 Test Setup	25
	9.3 Test Procedure	
	9.4 Deviation From Test Standard	
	9.5 EUT Operating Mode	25
	9.6 Test Data	
10.	POWER SPECTRAL DENSITY	26
	10.1 Test Standard and Limit	
	10.2 Test Setup	26
	10.3 Test Procedure	
	10.4 Deviation From Test Standard	
	10.5 Antenna Connected Construction	
	10.6 Test Data	
11.	ANTENNA REQUIREMENT	
	11.1 Test Standard and Limit	27
	11.2 Deviation From Test Standard	27
	11.3 Antenna Connected Construction	27
	11.4 Test Data	27
ATT	ACHMENT A CONDUCTED EMISSION TEST DATA	28
ATT	ACHMENT BUNWANTED EMISSIONS DATA	30



Report No.: TBR-C-202204-0125-112 Page: 4 of 49

# **Revision History**

Report No.	Version	Description	Issued Date
TBR-C-202204-0125-112	Rev.01	Initial issue of report	2022-06-16
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## 1. General Information about EUT

### 1.1 Client Information

Applicant		Shenzhen Konkr Technology Co., Ltd
Address Room 215, Building 22, Maker Town, No. 4109, Liuxian Avenue, Pingshan Community, Taoyuan Street, Nanshan District, Shenzhen, China		
Manufacturer		Shenzhen Konkr Technology Co., Ltd
Address		Room 215, Building 22, Maker Town, No. 4109, Liuxian Avenue, Pingshan Community, Taoyuan Street, Nanshan District, Shenzhen, China

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

EUT Name	•	tablet computer		
Models No.	1	AYANEO NEXT Pro, AYANEO NEXT		
Model Different		entical in the same PCB, layout and ly difference is model name ( AYANEO ).		
B TODA		Operation Frequency:	802.11b/g/n(HT20): 2412MHz~2462MHz 802.11ax(HE20): 2412MHz~2462MHz 802.11n(HT40): 2422MHz~2452MHz 802.11ax(HE40): 2422MHz~2452MHz	
True		Number of Channel:	802.11b/g/n(HT20)/ax(HE20):11 channels 802.11n(HT40)/ax(HE40): 7 channels	
Product Description		Antenna Gain:	1.14dBi FPC Antenna0 1.14dBi FPC Antenna1	
OBY TOBY		Modulation Type:	802.11b: DSSS (DQPSK, DBPSK, CCK) 802.11g: OFDM (BPSK, QPSK,16QAM, 64QAM) 802.11n: OFDM (BPSK, QPSK,16QAM, 64QAM) 802.11ax: OFDMA (BPSK, QPSK,16QAM, 64QAM, 256QAM)	
10:00		Bit Rate of Transmitter:	Up to 573.5Mbps (2*2 40MHz)	
Power Rating		Adapter(DCTPD65WU Input: 100-240V~50/60 Output: DC 20V3A DC 11.55V by 4100mA		
Software Version	:	N/A		
Hardware Version	:	HDF620003-D02		



Page: 6 of 49

### Remark:

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



Page: 7 of 49

### (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)/ax(HE20)

CH 03~CH 09 for 802.11n(HT40)/ax(HE40)

### (5) Antenna information:

Mod	le	TX Antenna (s)	F	Remark	
802.1	l1b	2	ANT	. 0+ ANT. 1	
802.1	l1g	2	ANT	. 0+ ANT. 1	
802.11n(	HT20)	2	ANT	. 0+ ANT. 1	
802.11n(	HT40)	2	ANT	. 0+ ANT. 1	
802.11ax	(HE20)	2	ANT	. 0+ ANT. 1	
802.11ax	(HE40)	2	ANT	. 0+ ANT. 1	
Antenna	Brand	Model Name	Туре	Antenna Gain(dBi)	
ANT. 0	N/A	N/A	FPC	1.14	
ANT. 1	N/A	N/A	FPC	1.14	

Note:

For MIMO mode: Directional Gain=ANT. Gain+10\*LOG(NANT) =4.15dBi

2.4G working with 802.11b/g/n/ax has MIMO mode.

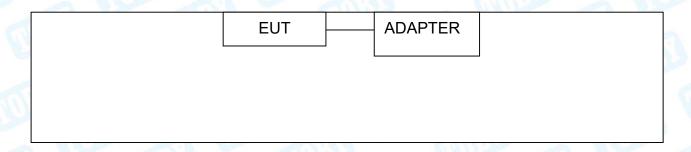




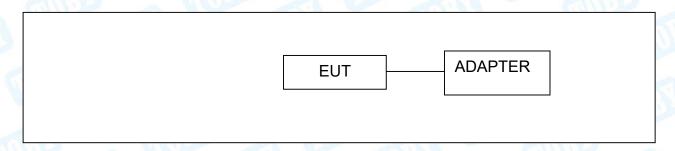
Page: 8 of 49

## 1.3 Block Diagram Showing the Configuration of System Tested

### **Conducted Test**



### **Radiated Test**



## 1.4 Description of Support Units

	Equipment Information							
Name Model FCC ID/SDOC Manufacturer Used "√								
Adapter	DCTPD65WUS-B0	WP	Dachuan	V				
		Cable Information						
Number	Shielded Type	Ferrite Core	Length	Note				
Cable 1	Yes	NO	1.0M	Accessory				
Note: The cables	and adapter provided b	by the Applicant.		100				



Page: 9 of 49

### 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	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 ax(HE20) Mode Channel 01/06/11					
Mode 7	TX Mode ax(HE40) 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 0 802.11ax (HE20) Mode: MCS 0 802.11ax(HE40) Mode: MCS 0

- (2) During the testing procedure, the continuously transmitting with the maximum power mode was programmed by the customer.
- (3) The EUT is considered a portable unit; in normal use it was positioned on X-plane. The worst case was found positioned on X-plane. Therefore only the test data of this X-plane was used for radiated emission measurement test.



Page: 10 of 49

### 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 Softwa	are: QATool_I	Dbg		
N. C.	Test M	lode: Contin	uously transmitt	ting	
Mode	Data Rate	Channel	Parameters		
Wode	Dala Rale	Chamilei	Ant.0	Ant.1	
	CCK/ 1Mbps	01	10	10	
802.11b	CCK/ 1Mbps	06	10	10	
133	CCK/ 1Mbps	11	10	10	
	OFDM/ 6Mbps	01	6	6	
802.11g	OFDM/ 6Mbps	06	6	6	
33 _ 6	OFDM/ 6Mbps	11	6	6	
	MCS 0	01	6	6	
802.11n(HT20)	MCS 0	06	6	6	
	MCS 0	11	6	6	
	MCS 0	03	6	6	
802.11n(HT40)	MCS 0	06	6	6	
THUE .	MCS 0	09	6	6	
MI ST	MCS 0	01	6	6	
802.11ax(HE20)	MCS 0	06	6	6	
A VIII	MCS 0	11	6	6	
	MCS 0	03	6	6	
802.11ax(HE40)	MCS 0	06	6	6	
a Vice	MCS 0	09	6	6	



Page: 11 of 49

### 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	±4.60 dB
Radiated Emission	Level Accuracy: 30MHz to 1000 MHz	±4.50 dB
Radiated Emission	Level Accuracy: Above 1000MHz	$\pm$ 4.20 dB

### 1.8 Test Facility

The testing report were performed by the Shenzhen Toby Technology Co., Ltd., in their facilities located at 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.



## 2. Test Summary

Standard Section	Test Item Test Samp		Judgment	Remark
FCC			_	
FCC 15.207(a)	Conducted Emission	RW-C-202204-0125-1-1#	PASS	N/A
FCC 15.209 & 15.247(d)	Radiated Unwanted Emissions	RW-C-202204-0125-1-1#	PASS	N/A
FCC 15.203	Antenna Requirement	RW-C-202204-0125-1-2#	PASS	N/A
FCC 15.247(a)(2)	6dB Bandwidth	RW-C-202204-0125-1-2#	PASS	N/A
N / M	99% Occupied bandwidth	RW-C-202204-0125-1-2#	PASS	N/A
FCC 15.247(b)(3)	Peak Output Power and E.I.R.P	RW-C-202204-0125-1-2#	PASS	N/A
FCC 15.247(e)	Power Spectral Density	RW-C-202204-0125-1-2#	PASS	N/A
FCC 15.247(d)	Band Edge Measurements	RW-C-202204-0125-1-2#	PASS	N/A
FCC 15.207	Conducted Unwanted Emissions	RW-C-202204-0125-1-2#	PASS	N/A
FCC 15.247(d)	Emissions in Restricted Bands	RW-C-202204-0125-1-2#	PASS	N/A
	On Time and Duty Cycle	RW-C-202204-0125-1-2#		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
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



Report No.: TBR-C-202204-0125-112 Page: 13 of 49

# 4. Test Equipment

Conducted Emission	on lest					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date	
EMI Test Receiver	Rohde & Schwarz	ESCI	100321	Jul. 02, 2021	Jul. 01, 2022	
RF Switching Unit	Compliance Direction Systems Inc	RSU-A4	34403	Jul. 02, 2021	Jul. 01, 2022	
AMN	SCHWARZBECK	NNBL 8226-2	8226-2/164	Jul. 02, 2021	Jul. 01, 2022	
LISN	Rohde & Schwarz	ENV216	101131	Jul. 02, 2021	Jul. 01, 2022	
Radiation Emission	Test (A Site)					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date	
Spectrum Analyzer	Rohde & Schwarz	FSV40-N	102197	Jul. 02, 2021	Jul. 01, 2022	
EMI Test Receiver	Rohde & Schwarz	ESPI	100010/007	Jul. 02, 2021	Jul. 01, 2022	
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	Jul. 06, 2021	Jul. 05, 2022	
Pre-amplifier	SONOMA	310N	185903	Feb. 26, 2022	Feb. 25, 2023	
Pre-amplifier	HP	8449B	3008A00849	Feb. 26, 2022	Feb. 25, 2023	
HF Amplifier	Tonscend	TAP0184050 AP21C806129		Sep. 03, 2021 Sep. 02, 2022		
Radiation Emission	n Test (B Site)			1	<u> </u>	
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date	
Spectrum Analyzer	Rohde & Schwarz	FSV40-N	102197	Jul. 02, 2021	Jul. 01, 2022	
MXA Signal Analyzer	Agilent	N9020A	MY47380425	Sep. 03, 2021	Sep. 02, 2022	
EMI Test Receiver	Rohde & Schwarz	ESU-8	100472	Feb. 26, 2022	Feb. 25, 2023	
Bilog Antenna	SCHWARZBECK	VULB 9168	1225	Dec. 05, 2021	Dec. 04, 2023	
Horn Antenna	SCHWARZBECK	BBHA 9120 D	2463	May 20, 2021	May 19, 2023	
Horn Antenna	SCHWARZBECK	BBHA 9170	1118	Feb. 26, 2022	Feb. 25, 2024	
Loop Antenna	SCHWARZBECK	FMZB 1519 B	1519B-059	Jul. 06, 2021	Jul. 05, 2022	
HF Amplifier	Tonscend	TAP9E6343	AP21C806117	Sep. 03, 2021	Sep. 02, 2022	
HF Amplifier	Tonscend	TAP051845	AP21C806141	Sep. 03, 2021	Sep. 02, 2022	
HF Amplifier	Tonscend	TAP0184050	AP21C806129	Sep. 03, 2021	Sep. 02, 2022	
Antenna Conducte	d Emission					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date	
Spectrum Analyzer	Agilent	E4407B	MY45106456	Jul. 02, 2021	Jul. 01, 2022	
Spectrum Analyzer	Rohde & Schwarz	FSV40-N	102197	Jul. 02, 2021	Jul. 01, 2022	
MXA Signal Analyzer	Agilent	N9020A	MY49100060	Sep. 03, 2021	Sep. 02, 2022	
Spectrum Analyzer	KEYSIGT	N9020B	MY60110172	Sep. 03, 2021	Sep. 02, 2022	
TIME	DARE!! Instruments	RadiPowerRPR3006W	17I00015SNO26	Sep. 03, 2021	Sep. 02, 2022	
	DARE!! Instruments	RadiPowerRPR3006W	17I00015SNO29	Sep. 03, 2021	Sep. 02, 2022	
RF Power Sensor	DARE!! Instruments	RadiPowerRPR3006W	17I00015SNO31	Sep. 03, 2021	Sep. 02, 2022	
	DARE!! Instruments	RadiPowerRPR3006W	17I00015SNO33	Sep. 03, 2021	Sep. 02, 2022	
RF Control Unit	Tonsced	JS0806-2	21F8060439	Sep. 03, 2021	Sep. 02, 2022	



Page: 14 of 49

### 5. Conducted Emission Test

### 5.1 Test Standard and Limit

5.1.1 Test Standard

FCC Part 15.207

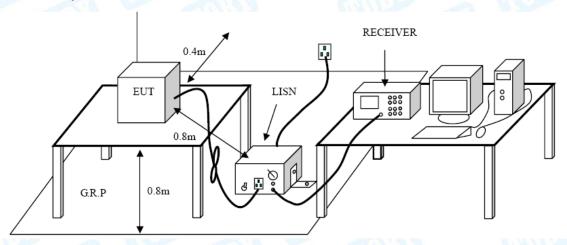
5.1.2 Test Limit

Eroguenov	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 0.15MHz to 30MHz.



Page: 15 of 49

### 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.



Page: 16 of 49

### 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 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 (MHz) (µV/m at 3 m) (meter				
30~88	100	3		
88~216	150	3		
216~960	200	3		
Above 960	500	3		

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

#### Note:

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

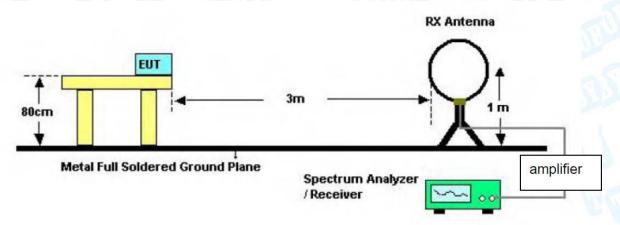
In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated device is operating, the RF power that is produced shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either 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.



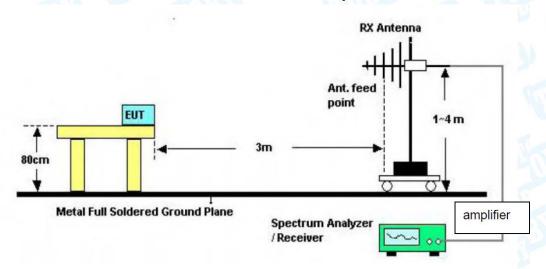
Page: 17 of 49

### 6.2 Test Setup

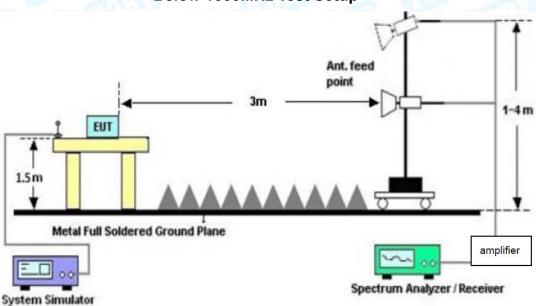
### Radiated measurement



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



### **Below 1000MHz Test Setup**

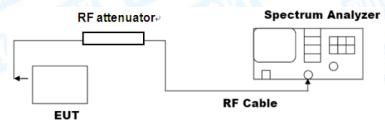


**Above 1GHz Test Setup** 



Page: 18 of 49

#### **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.



Page: 19 of 49

#### --- 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.



Page: 20 of 49

## 7. Restricted Bands Requirement

### 7.1 Test Standard and Limit

### 7.1.1 Test Standard

FCC Part 15.205 & FCC Part 15.247(d)

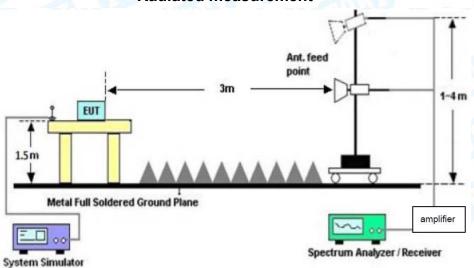
### 7.1.2 Test Limit

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		

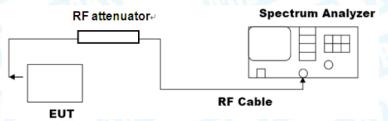
Note: According the ANSI C63.10 11.12.2 antenna-port conducted measurements may also be used as an alternative to radiated measurements for determining compliance in the restricted frequency bands requirements. If conducted measurements are performed, then proper impedance matching must be ensured and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

### 7.2 Test Setup

### Radiated measurement



### **Conducted measurement**





Page: 21 of 49

### 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

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.



Page: 22 of 49

### 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.



Page: 23 of 49

### 8. Bandwidth Test

### 8.1 Test Standard and Limit

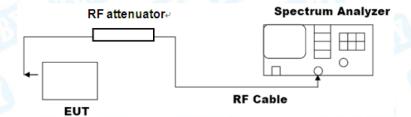
8.1.1 Test Standard

FCC Part 15.205 & FCC Part 15.247(d)

8.1.2 Test Limit

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



Page: 24 of 49

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



Page: 25 of 49

## 9. Peak Output Power

### 9.1 Test Standard and Limit

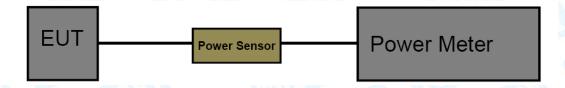
9.1.1 Test Standard

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

Page: 26 of 49

### 10. Power Spectral Density

### 10.1 Test Standard and Limit

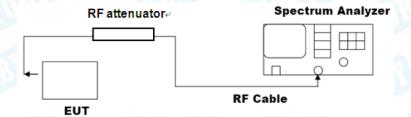
10.1.1 Test Standard

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



Page: 27 of 49

### 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 1.14dBi, 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 FPC Antenna. It complies with the standard requirement.

	Antenna Type			
	⊠Permanent attached antenna			
3	Unique connector antenna			
an i	☐Professional installation antenna			



Page: 28 of 49

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

Temperature:	24.2℃		Relative Hui	midity: 4	13%	
Test Voltage:	AC 120V/6	OHz				
Terminal:	Line		1133	VI (1)	11. Car	
Test Mode:	Mode 1	a v		13		
Remark:	Only worse	case is reporte	ed.		415	
30 dBuV		Mercelar specifical de servicios de la constitución	of the state of th	The county of th	QP: AVG:	peak
-20 0.150	0.5	(MHz	) 5			30.000
No. Mk.		ading Corre evel Fact		e- Limit	Over	
	MHz d	BuV dB	dBuV	dBuV	dB	Detector
1	0.1780 36	6.91 11.6 <sub>4</sub>	48.55	64.57	-16.02	QP
2	0.1780 23	3.08 11.6	4 34.72	54.57	-19.85	AVG
3	0.3540 29	0.96 11.5	41.46	58.87	-17.41	QP
4	0.3540 19	0.64 11.5	31.14	48.87	-17.73	AVG
5 *	0.5940 34	11.4	5 46.21	56.00	-9.79	QP
6	0.5940 16	5.23 11.4	5 27.68	46.00	-18.32	AVG
7	0.6500 31	.88 11.4	3 43.31	56.00	-12.69	QP
8		11.4		46.00	-20.57	AVG
9		1.56			-10.26	QP
10		0.20 11.1		46.00	-14.62	AVG
11 1		.18 10.2			-18.53	QP
12 1	11.7500 25	5.51 10.2	9 35.80	50.00	-14.20	AVG

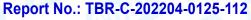
- 1. Corr. Factor (dB) = LISN Factor (dB) + Cable Loss (dB)
- 2. Margin (dB) =QuasiPeak/Average (dBuV)-Limit (dBuV)





Tempe	eratur	e: 2	<b>24.2℃</b>	3		Relative Hu	ımidity:	43%	
Test V	oltage	): /	AC 120	V/60Hz	TILL C	and the			CHIT!
Termi	nal:	1	Neutral	CHI		1		170	
Test N	lode:		Mode 1		THE STATE		MA	11	
Rema	rk:	(	Only wo	orse cas	e is reported		3		The state of the s
30	dBuV Www	White the way		hall who was properly	KN/AM/ANAMAMANANANANANANANANANANANANANANA	Commence of the second of the	gradina shensa	QP: AVG:	peak AVG
-20 0.150			0.5		(MHz)	5			30.000
No.	Mk.	Fre		Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MH	Z	dBuV	dB	dBuV	dBuV	dB	Detector
1	*	0.170	00	44.77	11.63	56.40	64.96	-8.56	QP
2		0.170	00	26.18	11.63	37.81	54.96	-17.15	AVG
3		0.186	30	38.92	11.65	50.57	64.21	-13.64	QP
4		0.186	30	25.20	11.65	36.85	54.21	-17.36	AVG
5		0.337	79	30.51	11.53	42.04	59.25	-17.21	QP
6		0.337	79	18.25	11.53	29.78	49.25	-19.47	AVG
		0.586	30	35.03	11.45	46.48	56.00	-9.52	QP
7					44.45	29.42	46.00	-16.58	AVG
8		0.586	30	17.97	11.45	20.72	+0.00		
		0.586 7.302		17.97 27.56	10.11	37.67		-22.33	QP
8			20				60.00		
8		7.302	20	27.56	10.11	37.67	60.00	-22.33	QP

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





Page: 30 of 49

### **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:			2	4.3	$^{\circ}$ C		R	A.	1	A.		Rela	ativ	e F	lun	nid	ity:		4	5%	1	13	3
es	t Volt	age:	А	\C 1	120	V/6	0H	Z				M.	M		150			7			1		
۱nt	t. Pol.		Ъ	loriz	zon	tal					N	100			6		N						1
es	t Moc	le:	N	Mode 2 TX Mode b Mode Channel 01																			
Rer	mark:		C	nly	wc	orse	ca	ase	is r	ероі	ted.						2						
80	).O dBu\	<b>√/</b> m																					
31	O WALLAND	198 may re-141	photo many	on or other section of the section o	1 X	hts of the state o	Murqu	Mynne	manual	Ludd	ng and a second	2	Hyww.	Thurs.	4	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		CC:	15C 3	Ι.	diatio	6 dB	y de and
-20	30.000	40	50	60	70	80				4)	(Hz)				300		400	Ę	500	600	700		1000.
	30.000	40	50	60	70		220	ding			(Hz)	NA.	225				400	Ę	500	600	700		1000.
		40 Mk.		eq.		Re	eac _ev	ding	J	Cor	(Hz) rect		eas	ure		Liı	400 mit	Ę		600 Ver			1000.
			Fr			Re		el	J	Cor	rect	ı		ure nt					0				1000.
			Fr	eq.		Re	_ev	rel uV		Cori Fa	rect ctor	C	me	ure nt //m		dE	mit	m	0	ver		Det	
	No.		Fr	eq. Hz	0	Re L	.ev dBu	rel u∨ 70		Cori Fac	rect ctor m 32	I C	me dBu\	ure nt V/m 38		dE 4	mit BuV/	m O	0	ver	2	Det	ectoi
	No.	Mk.	Fr M 74.1	req. Hz 1350	0	Re L	dBu	rel uV 70 62		Corr Fac dB/	rect etor m 32	C	me dBu\ 28.	sure nt V/m 38		dE 41	mit 8uV/	m O	-1	ver	2	Det pe	ector
	No. 1 2	Mk.	Fr M 74.1	eq. Hz 1350 199	0 9 55	Re L	ev dBu 53.	rel uV 70 62 59		Corr Fac dB/ -25.	rect ctor m 32 96 54	C C	me dBu\ 28. 39.	sure nt V/m 38 66		dE 41 43	mit 8uV/ 0.00	m 0 0	-1 -:	ver dB 1.6	2	Det pe pe	ector eak eak
	No. 1 2 3	Mk.	Fr M 74.1 197.	req. Hz 1350 199 023	00 09 05 00 00 00 00 00 00 00 00 00 00 00 00	5 5 5	dBu 53. 53.	rel uV 70 62 59		Corr Fac dB/ -25. -23.	rect ctor m 32 96 54	;	me dBu\ 28. 39.	sure nt 7/m 38 66 05		4: 4: 4:	mit 0.00	m 0 0	-1 -:	tver dB 1.6 3.84	2 1 5 0	Dete	ector eak eak eak

<sup>\*:</sup>Maximum data x:Over limit !:over margin

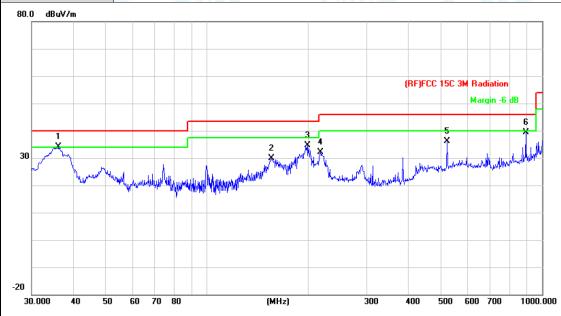
- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. QuasiPeak (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = QuasiPeak (dB $\mu$ V/m)-Limit QPK(dB $\mu$ V/m)





Page: 31 of 49

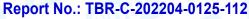
	Temperature:	24.3℃	Relative Humidity:	45%				
/	Test Voltage:	AC 120V/60Hz						
	Ant. Pol.	Vertical	/ertical					
	Test Mode:	Mode 2 TX Mode b Mode	Channel 01					
	Remark:	Only worse case is report	ed.					



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	36.1269	57.18	-23.06	34.12	40.00	-5.88	peak
2		155.9097	51.40	-21.55	29.85	43.50	-13.65	peak
3		199.2855	58.76	-24.07	34.69	43.50	-8.81	peak
4		218.3084	55.71	-23.46	32.25	46.00	-13.75	peak
5		520.8881	51.11	-15.05	36.06	46.00	-9.94	peak
6		893.8564	47.93	-8.63	39.30	46.00	-6.70	peak

<sup>\*:</sup>Maximum data x:Over limit !:over margin

- 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)





Page: 32 of 49

### **Above 1GHz**

Temperature:	23.5℃	Relative Humidity:	46%	THE
Test Voltage:	AC 120V/60Hz			A Paris
Ant. Pol.	Horizontal			
Test Mode:	TX B Mode 2412MHz(A	Ant.0+Ant.1)		J.B.

No	o. Mk	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4824.257	32.08	12.43	44.51	54.00	-9.49	AVG
2		4824.374	44.31	12.43	56.74	74.00	-17.26	peak

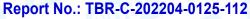
#### Remark:

- 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 $\mu$ V/m)-Limit PK/AVG(dB $\mu$ 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.

Temperature:	23.5℃	Relative Humidity:	46%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX B Mode 2412MHz(An	t.0+Ant.1)	

N	lo. N	Λk.	Freq.	Reading Level		Measure- ment	Limit	Over	
			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4	4824.147	31.41	12.43	43.84	54.00	-10.16	AVG
2		4	4824.361	43.88	12.43	56.31	74.00	-17.69	peak

- 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 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.





Page: 33 of 49

í	Temperature:	23.5℃	Relative Humidity:	46%
	Test Voltage:	AC 120V/60Hz		William .
	Ant. Pol.	Horizontal		
	Test Mode:	TX B Mode 2437MHz(An	t.0+Ant.1)	W

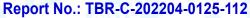
N	No.	Mk.	Freq.	_	Correct Factor	Measure- ment	Limit	Over	
			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		*	4874.211	31.62	12.75	44.37	54.00	-9.63	AVG
2			4874.325	44.86	12.75	57.61	74.00	-16.39	peak

- 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 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.

Temperature:	23.5℃	Relative Humidity:	46%				
Test Voltage:	AC 120V/60Hz						
Ant. Pol.	Vertical						
Test Mode:	TX B Mode 2437MHz(Ant.0+Ant.1)						

No	o. Mł	k. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4874.227	31.63	12.75	44.38	54.00	-9.62	AVG
2		4874.351	44.03	12.75	56.78	74.00	-17.22	peak

- 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 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.





Page: 34 of 49

Temperature:	23.5℃	Relative Humidity:	46%
Test Voltage:	AC 120V/60Hz	ans.	
Ant. Pol.	Horizontal		
Test Mode:	TX B Mode 2462MHz(/	Ant.0+Ant.1)	

No	. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4924.224	43.72	13.06	56.78	74.00	-17.22	peak
2	*	4924.321	30.19	13.06	43.25	54.00	-10.75	AVG

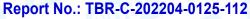
#### Remark:

- 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 1-26.5 GHz, 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.

Temperature:	23.5℃	Relative Humidity:	46%			
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz				
Ant. Pol.	Vertical	WILLIAM STATE				
Test Mode:	TX B Mode 2462MHz(A	nt.0+Ant.1)				

No	o. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4924.244	30.46	13.06	43.52	54.00	-10.48	AVG
2		4924.367	44.25	13.06	57.31	74.00	-16.69	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 (dB $\mu$ V/m)-Limit PK/AVG(dB $\mu$ V/m)
- 4. The tests evaluated 1-26.5 GHz, 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.





Page: 35 of 49

e	Temperature:	23.5℃	Relative Humidity:	46%
1	Test Voltage:	AC 120V/60Hz		W. W.
	Ant. Pol.	Horizontal		
	Test Mode:	TX G Mode 2412MHz(Ar	nt.0+Ant.1)	W.

No	o. N	1k.	Freq.		Correct Factor	Measure- ment	Limit	Over	
			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4	4824.274	31.22	12.43	43.65	54.00	-10.35	AVG
2		4	4824.368	45.19	12.43	57.62	74.00	-16.38	peak

#### Remark:

- 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 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.

Temperature:	23.5℃	Relative Humidity:	46%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		ALIV.
Test Mode:	TX G Mode 2412MHz(Ant	:.0+Ant.1)	

No	. Mk	Freq.		Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4824.167	44.47	12.43	56.90	74.00	-17.10	peak
2	*	4824.338	31.85	12.43	44.28	54.00	-9.72	AVG

- 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 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.





Page: 36 of 49

į,	Temperature:	23.5℃	Relative Humidity:	46%
V	Test Voltage:	AC 120V/60Hz		CHILD
	Ant. Pol.	Horizontal		
	Test Mode:	TX G Mode 2437MHz(Ant	0+Ant.1)	

No	. Mk.	Freq.	_		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4874.277	44.53	12.75	57.28	74.00	-16.72	peak
2	*	4874.325	32.07	12.75	44.82	54.00	-9.18	AVG

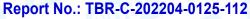
#### Remark:

- 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 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.

Temperature:	23.5℃	Relative Humidity:	46%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		MAC
Test Mode:	TX G Mode 2437MHz(Ai	nt.0+Ant.1)	CALL.

No	. Mk	. Freq.	_	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4874.218	44.86	12.75	57.61	74.00	-16.39	peak
2	*	4874.258	30.92	12.75	43.67	54.00	-10.33	AVG

- 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 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.





Page: 37 of 49

Temperature:	23.5℃	Relative Humidity:	46%			
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz				
Ant. Pol.	Horizontal	Horizontal				
Test Mode:	TX G Mode 2462M	Hz(Ant.0+Ant.1)	The state of the s			

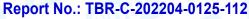
No	o. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4924.235	31.32	13.06	44.38	54.00	-9.62	AVG
2		4924.420	44.56	13.06	57.62	74.00	-16.38	peak

- 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 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.

Temperature:	23.5℃	Relative Humidity:	46%			
Test Voltage:	AC 120V/60Hz					
Ant. Pol.	Vertical	Vertical				
Test Mode:	TX G Mode 2462MHz(Ant	0+Ant.1)				

No	o. Mk	. Freq.		Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4924.187	31.32	13.06	44.38	54.00	-9.62	AVG
2		4924.336	44.58	13.06	57.64	74.00	-16.36	peak

- 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 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.





Page: 38 of 49

Temperature:	23.5℃	Relative Humidity:	46%			
Test Voltage:	AC 120V/60Hz	C 120V/60Hz				
Ant. Pol.	Horizontal	Horizontal				
Test Mode:	TX n(HT20) Mode 2412	MHz(Ant.0+Ant.1)				

No	. Mk.	Freq.	_	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4824.268	45.19	12.43	57.62	74.00	-16.38	peak
2	*	4824.344	32.15	12.43	44.58	54.00	-9.42	AVG

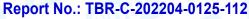
## Remark:

- 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 1-26.5 GHz, 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.

Temperature:	23.5℃	Relative Humidity:	46%			
Test Voltage:	AC 120V/60Hz					
Ant. Pol.	Vertical	Vertical				
Test Mode:	TX n(HT20) Mode 2412MHz(Ant.0+Ant.1)					

No	o. Mk	c. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4824.147	31.25	12.43	43.68	54.00	-10.32	AVG
2		4824.358	44.41	12.43	56.84	74.00	-17.16	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 (dB $\mu$ V/m)-Limit PK/AVG(dB $\mu$ V/m)
- 4. The tests evaluated 1-26.5 GHz, 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.





Page: 39 of 49

	Temperature:	23.5℃	Relative Humidity:	46%			
1	Test Voltage:	AC 120V/60Hz	AC 120V/60Hz				
	Ant. Pol.	Horizontal	Horizontal				
P	Test Mode:	TX n(HT20) Mode 2437N	1Hz(Ant.0+Ant.1)				

No	. Mk	Freq.	_	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4874.224	44.19	12.75	56.94	74.00	-17.06	peak
2	*	4874.278	30.81	12.75	43.56	54.00	-10.44	AVG

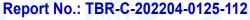
## Remark:

- 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 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.

Temperature:	23.5℃	23.5℃ Relative Humidity: 46°					
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz					
Ant. Pol.	Vertical	Vertical					
Test Mode:	TX n(HT20) Mode 2437Mi	TX n(HT20) Mode 2437MHz(Ant.0+Ant.1)					

No	. Mk	. Freq.	•	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4874.294	44.09	12.75	56.84	74.00	-17.16	peak
2	*	4874.352	31.53	12.75	44.28	54.00	-9.72	AVG

- 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 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.





Page: 40 of 49

	Temperature:	23.5℃	Relative Humidity:	46%			
ì	Test Voltage:	AC 120V/60Hz					
	Ant. Pol.	Horizontal					
	Test Mode:	TX n(HT20) Mode 2462N	TX n(HT20) Mode 2462MHz(Ant.0+Ant.1)				

No	o. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4924.188	43.83	13.06	56.89	74.00	-17.11	peak
2	*	4924.358	31.22	13.06	44.28	54.00	-9.72	AVG

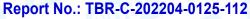
## Remark:

- 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 $\mu$ V/m)-Limit PK/AVG(dB $\mu$ V/m)
- 4. The tests evaluated 1-26.5 GHz, 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.

Temperature:	23.5℃	Relative Humidity:	46%				
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz					
Ant. Pol.	Vertical		MA				
Test Mode: TX n(HT20) Mode 2462MHz(Ant.0+Ant.1)							

No	o. Mk	. Freq.	_	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4924.227	30.62	13.06	43.68	54.00	-10.32	AVG
2		4924.315	44.62	13.06	57.68	74.00	-16.32	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 (dB $\mu$ V/m)-Limit PK/AVG(dB $\mu$ V/m)
- 4. The tests evaluated 1-26.5 GHz, 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.





Page: 41 of 49

Temperature:	23.5℃ Relative Humidity: 46%					
Test Voltage:	AC 120V/60Hz					
Ant. Pol.	Horizontal	Horizontal				
Test Mode:	TX n(HT40) Mode 2422MHz(Ant.0+Ant.1)					

No	. Mk	. Freq.	_	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4844.208	31.39	12.57	43.96	54.00	-10.04	AVG
2		4844.365	45.27	12.57	57.84	74.00	-16.16	peak

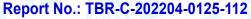
## Remark:

- 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 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.

Temperature:	23.5℃	Relative Humidity:	46%				
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz					
Ant. Pol.	Vertical		MAG				
Test Mode:	TX n(HT40) Mode 2422MI	Hz(Ant.0+Ant.1)	LIM.				

No	. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4844.226	45.11	12.57	57.68	74.00	-16.32	peak
2	*	4844.317	31.52	12.57	44.09	54.00	-9.91	AVG

- 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 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.





Page: 42 of 49

	Temperature:	23.5℃	Relative Humidity:	46%				
1	Test Voltage:	AC 120V/60Hz	AC 120V/60Hz					
	Ant. Pol.	Horizontal						
P	Test Mode:	TX n(HT40) Mode 2437N	X n(HT40) Mode 2437MHz(Ant.0+Ant.1)					

No	. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4874.374	32.33	12.75	45.08	54.00	-8.92	AVG
2		4874.422	45.19	12.75	57.94	74.00	-16.06	peak

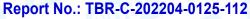
## Remark:

- 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 1-26.5 GHz, 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.

Temperature:	23.5℃	Relative Humidity:	46%				
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz					
Ant. Pol.	Vertical		A COL				
Test Mode:	TX n(HT40) Mode 2437Ml	Hz(Ant.0+Ant.1)	CALL TO				

No	o. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4874.197	31.53	12.75	44.28	54.00	-9.72	AVG
2		4874.251	44.05	12.75	56.80	74.00	-17.20	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 (dB $\mu$ V/m)-Limit PK/AVG(dB $\mu$ V/m)
- 4. The tests evaluated 1-26.5 GHz, 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.





Page: 43 of 49

=	Temperature:	23.5℃	Relative Humidity:	46%				
V	Test Voltage:	AC 120V/60Hz	AC 120V/60Hz					
	Ant. Pol.	Horizontal						
	Test Mode:	TX n(HT40) Mode 2452MHz(Ant.0+Ant.1)						

No.	. Mk.	Freq.	_	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4904.257	45.11	12.94	58.05	74.00	-15.95	peak
2	*	4904.340	30.34	12.94	43.28	54.00	-10.72	AVG

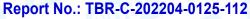
## Remark:

- 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 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.

Temperature:	emperature: 23.5°C Relative Humidity:		46%				
Test Voltage:	AC 120V/60Hz	C 120V/60Hz					
Ant. Pol.		A COL					
Test Mode: TX n(HT40) Mode 2452MHz(Ant.0+Ant.1)							

No	o. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4904.158	31.27	12.94	44.21	54.00	-9.79	AVG
2		4904.378	44.26	12.94	57.20	74.00	-16.80	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 (dB $\mu$ V/m)-Limit PK/AVG(dB $\mu$ 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.





Page: 44 of 49

Temperature:	23.5℃	Relative Humidity:	46%		
Test Voltage:	AC 120V/60Hz				
Ant. Pol.	Ant. Pol. Horizontal				
Test Mode: TX ax(HE20) Mode 2412MHz(Ant.0+Ant.1)					

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		4824.157	42.26	1.42	43.68	54.00	-10.32	AVG
2	*	4824.335	54.96	1.42	56.38	74.00	-17.62	peak

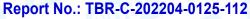
### Remark:

- 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 $\mu$ V/m)-Limit PK/AVG(dB $\mu$ 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.

Temperature:	23.5℃	Relative Humidity:	46%		
Test Voltage: AC 120V/60Hz					
Ant. Pol.	Vertical				
Test Mode:	est Mode: TX ax(HE20) Mode 2412MHz(Ant.0+Ant.1)				

No.	Mk	. Freq.			Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		4824.117	56.10	1.42	57.52	74.00	-16.48	peak
2	*	4824.367	42.94	1.42	44.36	54.00	-9.64	AVG

- 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 1-26.5 GHz, 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.





Page: 45 of 49

	Temperature:	23.5℃	Relative Humidity:	46%			
1	Test Voltage:	AC 120V/60Hz					
	Ant. Pol.	Horizontal					
P	Test Mode:	TX ax(HE20) Mode 2437	X ax(HE20) Mode 2437MHz(Ant.0+Ant.1)				

No.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1	*	4874.140	42.55	1.53	44.08	54.00	-9.92	AVG
2		4874.368	55.79	1.53	57.32	74.00	-16.68	peak

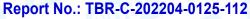
## Remark:

- 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 1-26.5 GHz, 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.

Temperature:	23.5℃	Relative Humidity:	46%				
Test Voltage:	AC 120V/60Hz	C 120V/60Hz					
Ant. Pol.	Vertical		M. C.				
Test Mode:							

No.	Mk	c. Freq.			Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		4874.241	54.64	1.53	56.17	74.00	-17.83	peak
2	*	4874.358	42.14	1.53	43.67	54.00	-10.33	AVG

- 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 1-26.5 GHz, 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.





Page: 46 of 49

•	Temperature:	23.5℃	Relative Humidity:	46%			
V	Test Voltage:	AC 120V/60Hz	AC 120V/60Hz				
	Ant. Pol.	Horizontal					
	Test Mode:	TX ax(HE20) Mode 2462	MHz(Ant.0+Ant.1)	NU.			

No.	Mk	c. Freq.			Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		4924.185	55.61	1.67	57.28	74.00	-16.72	peak
2	*	4924.358	41.72	1.67	43.39	54.00	-10.61	AVG

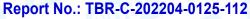
## Remark:

- 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 1-26.5 GHz, 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.

Temperature:	23.5℃	Relative Humidity:	46%			
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz				
Ant. Pol.	Vertical		MIN.			
Test Mode:	TX ax(HE20) Mode 2462N	1Hz(Ant.0+Ant.1)	CALL.			

No.	Mk	c. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		4924.147	55.96	1.67	57.63	74.00	-16.37	peak
2	*	4924.348	41.85	1.67	43.52	54.00	-10.48	AVG

- 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 1-26.5 GHz, 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.





Page: 47 of 49

Temperature:	23.5℃	Relative Humidity: 46%					
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz					
Ant. Pol.	Horizontal						
Test Mode:	TX ax(HE40) Mode 2422	MHz(Ant.0+Ant.1)	U.S.				

No.	Mk	. Freq.	_		Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1	*	4844.178	42.81	1.47	44.28	54.00	-9.72	AVG
2		4844.238	54.91	1.47	56.38	74.00	-17.62	peak

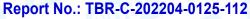
## Remark:

- 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 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.

Temperature:	23.5℃	Relative Humidity:	46%			
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz				
Ant. Pol.	Vertical		M. Co.			
Test Mode: TX ax(HE40) Mode 2422MHz(Ant.0+Ant.1)						

No.	Mk	. Freq.			Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		4844.147	54.67	1.47	56.14	74.00	-17.86	peak
2	*	4844.358	41.80	1.47	43.27	54.00	-10.73	AVG

- 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 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.





Page: 48 of 49

Temperature:	23.5℃	Relative Humidity: 46%				
Test Voltage:	tage: AC 120V/60Hz					
Ant. Pol.	Horizontal					
Test Mode:	TX ax(HE40) Mode 2437	MHz(Ant.0+Ant.1)	U.S.			

No.	Mk	. Freq.		Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		4874.173	55.34	1.53	56.87	74.00	-17.13	peak
2	*	4874.258	42.15	1.53	43.68	54.00	-10.32	AVG

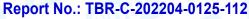
## Remark:

- 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 $\mu$ V/m)-Limit PK/AVG(dB $\mu$ V/m)
- 4. The tests evaluated 1-26.5 GHz, 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.

Temperature:	23.5℃	Relative Humidity:	46%			
Test Voltage:	AC 120V/60Hz	C 120V/60Hz				
Ant. Pol.	Vertical		MIN.			
Test Mode:	TX ax(HE40) Mode 2437N	1Hz(Ant.0+Ant.1)	CALL.			

No.	Mk	. Freq.			Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1	*	4874.208	42.99	1.53	44.52	54.00	-9.48	AVG
2		4874.348	52.94	1.53	54.47	74.00	-19.53	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 (dB $\mu$ V/m)-Limit PK/AVG(dB $\mu$ V/m)
- 4. The tests evaluated 1-26.5 GHz, 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.





Page: 49 of 49

	Temperature:	23.5℃	Relative Humidity:	46%
1	Test Voltage:	AC 120V/60Hz	COLUMN TO THE PARTY OF THE PART	
	Ant. Pol.			
	Test Mode:	W.		

No.	Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		4904.241	53.87	1.60	55.47	74.00	-18.53	peak
2	*	4904.358	42.45	1.60	44.05	54.00	-9.95	AVG

## 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 $\mu$ V/m)-Limit PK/AVG(dB $\mu$ V/m)
- 4. The tests evaluated 1-26.5 GHz, 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.

Temperature:	23.5℃	Relative Humidity:	46%		
Test Voltage:	AC 120V/60Hz				
Ant. Pol.	Vertical		M. Comment		
Test Mode:	TX ax(HE40) Mode 2452MHz(Ant.0+Ant.1)				

No.	Mk	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		4904.248	55.68	1.60	57.28	74.00	-16.72	peak
2	*	4904.358	42.24	1.60	43.84	54.00	-10.16	AVG

## 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 $\mu$ V/m)-Limit PK/AVG(dB $\mu$ V/m)
- 4. The tests evaluated 1-26.5 GHz, 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.

# ----END OF REPORT-----