# Shenzhen Toby Technology Co., Ltd.

Report No.: TB-FCC182992 Page: 1 of 34

# **Radio Test Report**

FCC ID: ZSH-D26

## **Original Grant**

Report No. : TB-FCC182992

Applicant : SHENZHEN KENXINDA TECHNOLOGY CO.,LTD

**Equipment Under Test (EUT)** 

EUT Name : D26

Model No. : D26

Series Model No. : N/A

Brand Name : KXD/EL

Sample ID : 20210721-06\_01-1#& 20210721-06\_01-2#

**Receipt Date** : 2021-07-30

**Test Date** : 2021-07-30 to 2021-09-13

Issue Date : 2021-09-13

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 : Countle 4

Engineer Supervisor : TWW 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



# Contents

COI	NTENTS	2
1.	GENERAL INFORMATION ABOUT EUT	5
	1.1 Client Information	5
	1.2 General Description of EUT (Equipment Under Test)	
	1.3 Block Diagram Showing the Configuration of System Tested	
	1.4 Description of Support Units	7
	1.6 Description of Test Software Setting	8
	1.7 Measurement Uncertainty	8
	1.8 Test Facility	9
2.	TEST SUMMARY	10
3.	TEST SOFTWARE	10
4.	TEST EQUIPMENT	11
5.	CONDUCTED EMISSION	
	5.1 Test Standard and Limit	14
	5.2 Test Setup	
	5.3 Test Procedure	
	5.4 Deviation From Test Standard	
	5.5 EUT Operating Mode	15
	5.6 Test Data	
6.	RADIATED AND CONDUCTED UNWANTED EMISSIONS	16
	6.1 Test Standard and Limit	16
	6.2 Test Setup	16
	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	
	7.5 EUT Operating Mode	22
	7.6 Test Data	
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	
	8.6 Test Data	24



Report No.: TB-FCC182992 Page: 3 of 34

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



Report No.: TB-FCC182992 Page: 4 of 34

# **Revision History**

Report No.	Version	Description	Issued Date
TB-FCC182992	Rev.01	Initial issue of report	2021-09-13
	101		Turk
13	1031	TOPS THE	33
(10.97)	LOD		MOBA
		The same of the sa	
(TUD)	Ja Company	WELL WILLIAM	TO TO
THE REAL PROPERTY.		MOBILE TO	
	070		1
	4087	TOUR TOUR	60 BY
4037	400		4000
	0.1		013
TUBLE	200	1033 HOBE	



Page: 5 of 34

## 1. General Information about EUT

## 1.1 Client Information

Applicant		SHENZHEN KENXINDA TECHNOLOGY CO.,LTD
Address		18TH FLOOR, FUCHUN ORIENT BUILDING, SHENNAN AV 7006, SHENZHEN, China
Manufacturer		Sichuan Southwest Prosperity Communication Technology Limited Company
Address		Southwest liansheng industrial park, 98 xintianwan road, lingang economic development zone, cuiping district, yibin city, sichuan provinc, China.

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

<b>EUT Name</b>		D26			
Models No.	6	D26			
		Operation Frequency:	Bluetooth 4.2(BLE): 2402MHz~2480MHz		
		Number of Channel:	Bluetooth 4.2(BLE): 40 channels		
Product		Antenna Gain: 1.12dBi PIFA Antenna			
Description		Modulation Type:	GFSK		
		Bit Rate of Transmitter:	1Mbps		
Power Rating	:	Adapter(FYJH-F5200) Input: 100-240V~, 50/6	60Hz, 0.3A, Output: DC5V/2A		
Battery	•	DC 3.8V by 3200mAh rechargeable Li-ion Battery			
Software Version : Debug			4000		
Hardware Version	:	J523B_63_32GMB_D3EFV1.1			
Domonic		110.0			

### 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.



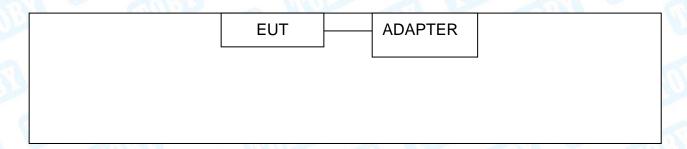
Page: 6 of 34

## (4) Channel List:

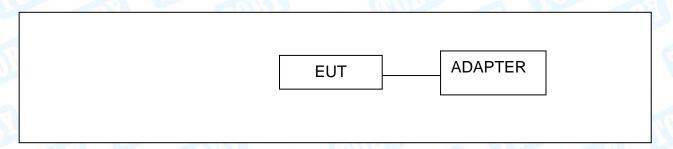
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
00	2402	14	2430	28	2458
01	2404	15	2432	29	2460
02	2406	16	2434	30	2462
03	2408	17	2436	31	2464
04	2410	18	2438	32	2466
05	2412	19	2440	33	2468
06	2414	20	2442	34	2470
07	2416	21	2444	35	2472
08	2418	22	2446	36	2474
09	2420	23	2448	37	2476
10	2422	24	2450	38	2478
11	2424	25	2452	39	2480
12	2426	26	2454		
13	2428	27	2456		

# 1.3 Block Diagram Showing the Configuration of System Tested

## **Conducted Test**



## **Radiated Test**





Page: 7 of 34

## 1.4 Description of Support Units

Equipment Information								
Name	Manufacturer	Used "√"						
Adapter	Adapter		W	√ V				
Cable Information								
Number	Shielded Type	Ferrite Core	Length	Note				
Cable 1	Yes	NO	0.4M	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 Test				
Final Test Mode Description				
Mode 1	USB Charging+TX Mode			
For	Radiated Test			
Final Test Mode Description				
Mode 2 TX Mode				
Mode 3 TX 1Mbps Mode (Channel 00/19/39)				

### 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:

BLE Mode: GFSK Modulation Transmitting mode.

- (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: 8 of 34

## 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 Version		APK	
Frequency	2402 MHz	2440MHz	2480 MHz
BLE 1M	DEF	DEF	DEF

## 1.7 Measurement Uncertainty

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

Test Item	Parameters	Expanded Uncertainty (U <sub>Lab</sub> )	
Conducted Emission	Level Accuracy: 9kHz~150kHz 150kHz to 30MHz	±3.50 dB ±3.10 dB	
Radiated Emission	Level Accuracy: 9kHz to 30 MHz	±4.60 dB	
Radiated Emission	Level Accuracy: 30MHz to 1000 MHz	±4.50 dB	
Radiated Emission	Level Accuracy: Above 1000MHz	±4.20 dB	



Page: 9 of 34

## 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.



Report No.: TB-FCC182992 Page: 10 of 34

# 2. Test Summary

Standard Section	Test Item	Test Sample(s)	Judgment	Remark
FCC				
FCC 15.207(a)	Conducted Emission	20210721-06_01-1#	PASS	N/A
FCC 15.209 & 15.247(d)	Radiated Unwanted Emissions	20210721-06_01-1#	PASS	N/A
FCC 15.203	Antenna Requirement	20210721-06_01-2#	PASS	N/A
FCC 15.247(a)(2)	6dB Bandwidth	20210721-06_01-2#	PASS	N/A
	99% Occupied bandwidth	20210721-06_01-2#	PASS	N/A
FCC 15.247(b)(3)	Peak Output Power and E.I.R.P	20210721-06_01-2#	PASS	N/A
FCC 15.247(e)	Power Spectral Density	20210721-06_01-2#	PASS	N/A
FCC 15.247(d)	Band Edge Measurements	20210721-06_01-2#	PASS	N/A
FCC 15.207(a)	Conducted Unwanted Emissions	20210721-06_01-2#	PASS	N/A
FCC 15.247(d)	Emissions in Restricted Bands	20210721-06_01-2#	PASS	N/A
	On Time and Duty Cycle	20210721-06 01-2#	,	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
RF Conducted Measurement	MTS-8310	MWRFtest	V2.0.0.0
RF Test System	JS1120	Tonscend	V2.6.88.0336



Report No.: TB-FCC182992 Page: 11 of 34

# 4. Test Equipment

<b>Conducted Emission</b>	Test				
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 T	est				
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date
Spectrum Analyzer	Agilent	E4407B	MY45106456	Jul. 02, 2021	Jul. 01, 2022
EMI Test Receiver	Rohde & Schwarz	ESPI	100010/007	Jul. 02, 2021	Jul. 01, 2022
Spectrum Analyzer	Rohde & Schwarz	FSV40-N	102197	Jul. 02, 2021	Jul. 01, 2022
Bilog Antenna	ETS-LINDGREN	3142E	00117537	Mar.01, 2020	Feb. 28, 202
Horn Antenna	ETS-LINDGREN	3117	00143207	Mar.01, 2020	Feb. 28, 202
Horn Antenna	ETS-LINDGREN	BBHA 9170	BBHA9170582	Mar.01, 2020	Feb. 28, 202
Loop Antenna	SCHWARZBECK	FMZB 1519 B	1519B-059	Jul. 06, 2021	Jul. 05, 2022
Pre-amplifier	Sonoma	310N	185903	Feb. 25, 2021	Feb. 24, 202
Pre-amplifier	HP	8449B	3008A00849	Feb. 25, 2021	Feb. 24, 202
Pre-amplifier	SKET	LNPA_1840G-50	SK201904032	Feb. 25, 2021	Feb. 24, 202
Cable	HUBER+SUHNER	100	SUCOFLEX	Feb. 25, 2021	Feb. 24, 202
Positioning Controller	ETS-LINDGREN	2090	N/A	N/A	N/A
Antenna Conducted B	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. 11, 2020	Sep. 10, 202
Vector Signal Generator	Agilent	N5182A	MY50141294	Sep. 11, 2020	Sep. 10, 202
Analog Signal Generator	Agilent	N5181A	MY50141953	Sep. 11, 2020	Sep. 10, 202
	DARE!! Instruments	RadiPowerRPR3006W	17I00015SNO26	Sep. 11, 2020	Sep. 10, 202
DE Dower Caraca	DARE!! Instruments	RadiPowerRPR3006W	17I00015SNO29	Sep. 11, 2020	Sep. 10, 202
RF Power Sensor	DARE!! Instruments	RadiPowerRPR3006W	17I00015SNO31	Sep. 11, 2020	Sep. 10, 202
	DARE!! Instruments	RadiPowerRPR3006W	17I00015SNO33	Sep. 11, 2020	Sep. 10, 202



**Conducted Emission Test** Cal. Due Manufacturer Model No. Serial No. Last Cal. **Equipment** Date **EMI Test Receiver** Rohde & Schwarz **ESCI** 100321 Jul. 02, 2021 Jul. 01, 2022 Compliance RF Switching Unit **Direction Systems** RSU-A4 34403 Jul. 02, 2021 Jul. 01, 2022 Inc 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** Cal. Due **Equipment** Manufacturer Model No. Serial No. Last Cal. **Date** E4407B MY45106456 Jul. 02, 2021 Jul. 01, 2022 Spectrum Analyzer Agilent Jul. 02, 2021 100010/007 **EMI Test Receiver** Rohde & Schwarz **ESPI** Jul. 01, 2022 Spectrum Analyzer Rohde & Schwarz FSV40-N 102197 Jul. 02, 2021 Jul. 01, 2022 Bilog Antenna **ETS-LINDGREN** 3142E 00117537 Mar.01, 2020 Feb. 28, 2022 Horn Antenna **ETS-LINDGREN** 00143207 Mar.01, 2020 Feb. 28, 2022 3117 Horn Antenna **ETS-LINDGREN BBHA 9170** BBHA9170582 Mar.01, 2020 Feb. 28, 2022 Loop Antenna **SCHWARZBECK** FMZB 1519 B 1519B-059 Jul. 06, 2021 Jul. 05, 2022 Pre-amplifier Sonoma 310N 185903 Feb. 25, 2021 Feb. 24, 2022 Pre-amplifier HP 8449B 3008A00849 Feb. 25, 2021 Feb. 24, 2022 Feb. 24, 2022 Pre-amplifier SKET LNPA\_1840G-50 SK201904032 Feb. 25, 2021 Cable **HUBER+SUHNER** 100 SUCOFLEX Feb. 25, 2021 Feb. 24, 2022 Positioning Controller **ETS-LINDGREN** 2090 N/A N/A N/A **Antenna Conducted Emission** Cal. Due **Equipment** Manufacturer Model No. Serial No. Last Cal. Date Jul. 02, 2021 Spectrum Analyzer Agilent E4407B MY45106456 Jul. 01, 2022 Rohde & Schwarz FSV40-N 102197 Jul. 02, 2021 Jul. 01, 2022 Spectrum Analyzer N9020A MY49100060 Sep. 10, 2021 Sep. 09, 2022 MXA Signal Analyzer Agilent N5182A MY50141294 Sep. 10, 2021 Sep. 09, 2022 Vector Signal Generator Agilent **Analog Signal Generator** Agilent N5181A MY50141953 Sep. 10, 2021 Sep. 09, 2022 RadiPowerRPR3006W 17I00015SNO26 Sep. 10, 2021 Sep. 09, 2022 **DARE!! Instruments DARE!! Instruments** RadiPowerRPR3006W 17I00015SNO29 Sep. 10, 2021 Sep. 09, 2022 RF Power Sensor Sep. 09, 2022 **DARE!! Instruments** RadiPowerRPR3006W 17I00015SNO31 Sep. 10, 2021 Sep. 09, 2022 **DARE!! Instruments** RadiPowerRPR3006W 17I00015SNO33 Sep. 10, 2021



Report No.: TB-FCC182992 Page: 13 of 34



Page: 14 of 34

## 5. Conducted Emission

### 5.1 Test Standard and Limit

### 5.1.1 Test Standard

### FCC Part 15.207

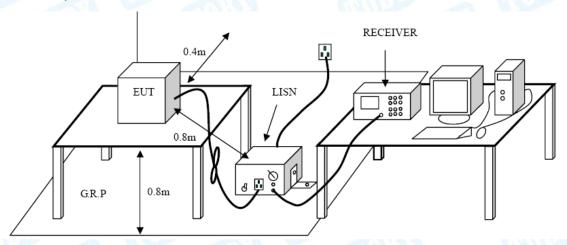
### 5.1.2 Test Limit

Fraguency	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 34

## 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.



Report No.: TB-FCC182992 Page: 16 of 34

## 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

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

**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 frequenc	cies above 30 MHz
Frequency (MHz)	Field strength (µV/m at 3 m)	Measurement Distance (meters)
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

General field strengt	th limits at frequencies	S 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)

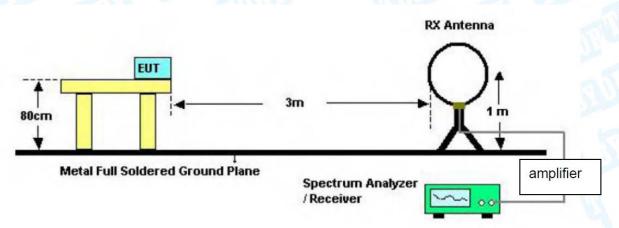
In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated device is operating, the RF power that is produced shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either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

## 6.2 Test Setup

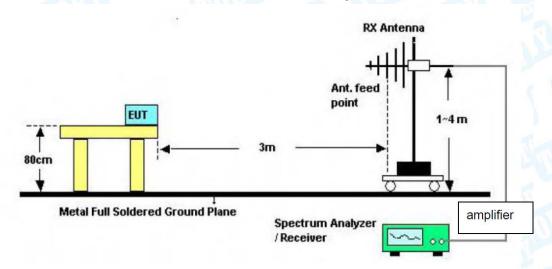
### Radiated measurement



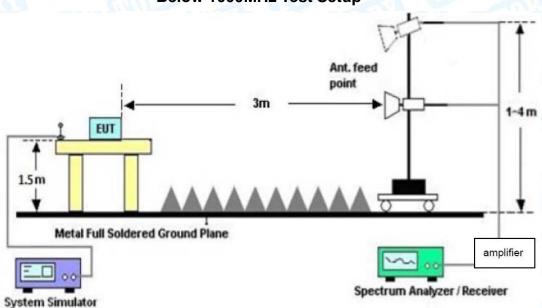
Report No.: TB-FCC182992 Page: 17 of 34



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



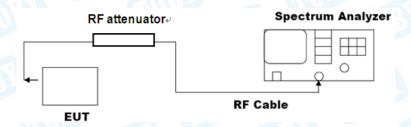
### **Below 1000MHz Test Setup**



**Above 1GHz Test Setup Conducted measurement** 



Report No.: TB-FCC182992 Page: 18 of 34



### 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 34

### --- 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 B section 7.



Page: 20 of 34

## 7. Restricted Bands Requirement

### 7.1 Test Standard and Limit

## 7.1.1 Test Standard

FCC Part 15.205 & FCC Part 15.247(d)

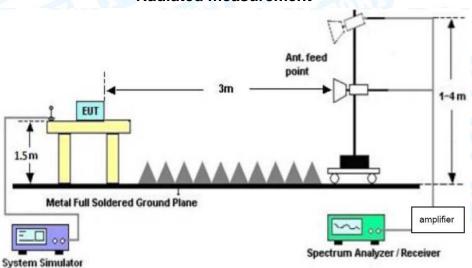
### 7.1.2 Test Limit

Restricted Frequency	Distance M	leters(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

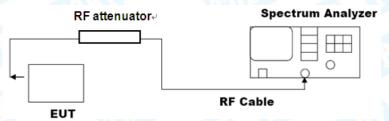
Note: According the ANSI C63.10 11.12.2 antenna-port conducted measurements may also be used as an alternative to radiated measurements for determining compliance in the restricted frequency bands requirements. If conducted measurements are performed, then proper impedance matching must be ensured and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

## 7.2 Test Setup

### Radiated measurement



### **Conducted measurement**





Page: 21 of 34

### 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 ≤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 34

## 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.

Please refer to the Appendix B section 6&8.



23 of 34 Page:

## 8. Bandwidth Test

### 8.1 Test Standard and Limit

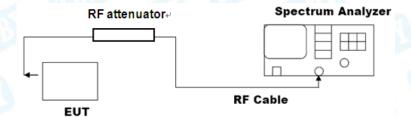
8.1.1 Test Standard

### 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.
- c) Set the reference level of the instrument as required, keeping the signal from exceeding



Report No.: TB-FCC182992 Page: 24 of 34

the maximum input mixer level for linear operation. In general, the peak of the spectral envelope shall be more than [10 log (OBW/RBW)] below the reference level. Specific guidance is given in 4.1.5.2.

- d) Step a) through step c) might require iteration to adjust within the specified range.
- e) Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.
- f) Use the 99% power bandwidth function of the instrument (if available) and report the measured bandwidth.
- g) If the instrument does not have a 99% power bandwidth function, then the trace data points are recovered and directly summed in linear power terms. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5% of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5% of the total is reached; that frequency is recorded as the upper frequency. The 99% power bandwidth is the difference between these two frequencies.
- h) The occupied bandwidth shall be reported by providing plot(s) of the measuring instrument display; the plot axes and the scale units per division shall be clearly labeled. Tabular data may be reported in addition to the plot(s).

### 8.4 Deviation From Test Standard

No deviation

## 8.5 EUT Operating Mode

Please refer to the description of test mode.

### 8.6 Test Data

Please refer to the Appendix B section 4.



Page: 25 of 34

## 9. Peak Output Power

### 9.1 Test Standard and Limit

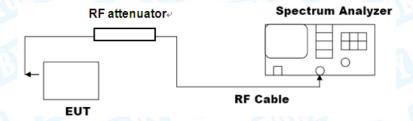
9.1.1 Test Standard

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

### ---RBW≥DTS bandwidth

● The following procedure shall be used when an instrument with a resolution bandwidth that is greater than

the DTS bandwidth is available to perform the measurement:

- a) Set the RBW≥DTS bandwidth.
- b) Set VBW≥[3\*RBW].
- c) Set span≥[3\*RBW].
- d) Sweep time = auto couple.
- e) Detector = peak.
- f) Trace mode = max hold.
- g) Allow trace to fully stabilize.
- h) Use peak marker function to determine the peak amplitude level.

### 9.4 Deviation From Test Standard

No deviation

## 9.5 EUT Operating Mode

Please refer to the description of test mode.

### 9.6 Test Data

Please refer to the Appendix B section 2.



Page: 26 of 34

## 10. Power Spectral Density

### 10.1 Test Standard and Limit

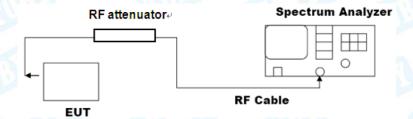
10.1.1 Test Standard

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

Please refer to the Appendix B section 5.



Report No.: TB-FCC182992 Page: 27 of 34

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 1.12dBi, and the antenna de-signed with permanent attachment and no consideration of replacement. Please see the EUT photo for details.

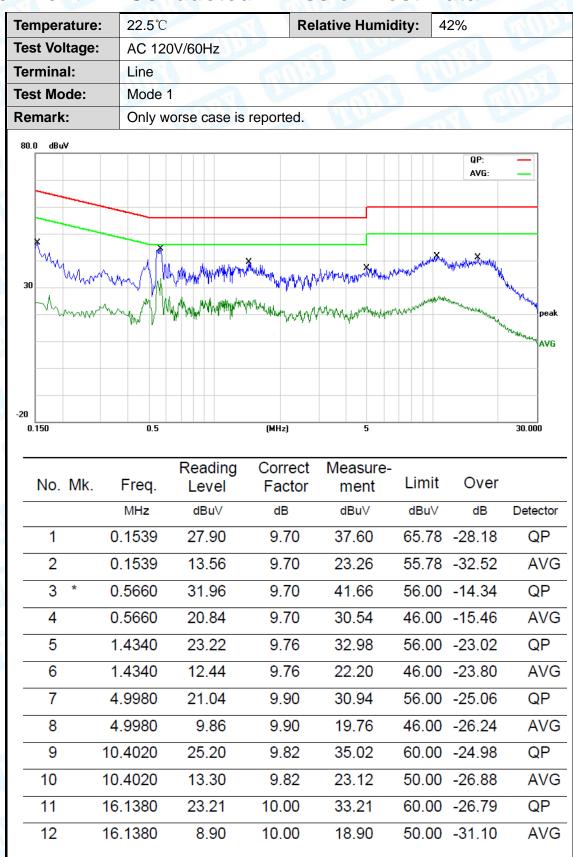
### 11.4 Test Data

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

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



## **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)





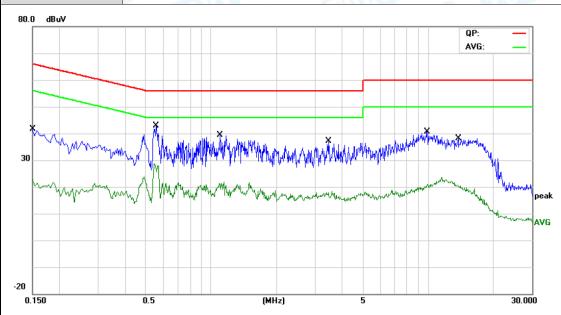
Temperature:
22.5℃
Relative Humidity:
42%

Test Voltage:
AC 120V/60Hz

Terminal:
Neutral

Test Mode:
Mode 1

Remark:
Only worse case is reported.



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∨	dB	dBu∨	dBu∨	dB	Detector
1		0.1500	27.73	9.80	37.53	65.99	-28.46	QP
2		0.1500	11.61	9.80	21.41	55.99	-34.58	AVG
3	*	0.5580	26.19	9.80	35.99	56.00	-20.01	QP
4		0.5580	16.17	9.80	25.97	46.00	-20.03	AVG
5		1.0980	18.82	9.80	28.62	56.00	-27.38	QP
6		1.0980	9.36	9.80	19.16	46.00	-26.84	AVG
7		3.4620	17.24	9.80	27.04	56.00	-28.96	QP
8		3.4620	6.57	9.80	16.37	46.00	-29.63	AVG
9		9.9020	19.89	9.90	29.79	60.00	-30.21	QP
10		9.9020	9.19	9.90	19.09	50.00	-30.91	AVG
11		13.7460	19.51	9.97	29.48	60.00	-30.52	QP
12		13.7460	9.34	9.97	19.31	50.00	-30.69	AVG

#### Remark

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





## **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

<u> </u>	ure:	23	3.9℃		<b>a</b>	A Walley	Relative H	umidity:		44%	6	133
est Volta	ige:	AC	2 12	0V/60	0Hz		CHILL		1		3	
nt. Pol.		Но	orizo	ntal				an!				8 W
est Mod	e:	Мо	ode	2	1	N. C.				1	11	
emark:		Or	าly w	vorse	case	is reported	Miles			18	STATE OF	
80.0 dBu\	//m											
								FC	C 15B	3M Ra		
										Marg	jin -6 d	IB -
							3	5	+-			6 *
30						2	X 4	5 X				
	1					ŇΛ	1 marin	manual	Amm	wh.	yman	MUD.
mm	W. A					In	MWW "	WIN FOR				
	700	Y	white	m	Mywaya	W V '						
-20												
30.000	40	50 E	60 70	0 80		(MHz)	300	400	500	600	700	1000.000
	40	50 E	60 70						500	600	700	1000.000
30.000				Re	ading	Correct	Measure-		500			1000.000
		Fred	q.	Re Le	evel		Measure- ment	Limit		Ove	er	
30.000			q.	Re Le	_	Correct	Measure-				er	1000.000  Detecto
30.000	Лk.	Fred	q. z	Re Le	evel	Correct Factor	Measure- ment	Limit	m	Ove	er	
30.000 No. N	Лk. 4	Fred	q. z 64	Re Le d	evel BuV	Correct Factor	Measure- ment dBuV/m	Limit	m O	Ove dB	er 93	Detecto
No. N	Иk. 41 17	Fred MHz	q. z 64	Re Le d	BuV 3.03	Correct Factor dB/m -21.96	Measure- ment dBuV/m 21.07	Limit	m )	Ove dB -18.	er 93 58	Detecto peak
No. No. 1	Mk. 41 17 29	Fred MHz 6.666	q. 2 64 926	Re Le d 43 47	BuV 3.03 7.36	Correct Factor dB/m -21.96	Measure- ment dBuV/m 21.07 26.92	Limit dBuV/r 40.00	m O O	Ove dB -18.	93 58 29	Detecto peak peak
No. No. 1	Mk. 40 17 29	Fred MHz 6.666 70.79	q. 2 64 926 860 794	Re. Le d 43 45 50 47	BuV 3.03 7.36 0.16	Correct Factor dB/m -21.96 -20.44 -16.45	Measure- ment dBuV/m 21.07 26.92 33.71	Limit  dBuV/r  40.00  43.50  46.00	m O O	Ove dB -18. -16.	93 58 29 76	Detecto peak peak peak

#### Remark:

\*: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 $\mu$ V/m)-Limit QPK(dB $\mu$ V/m)





Temperature:			23.9	$^{\circ}$ C			R	elative H	lumi	dity:	4	4%			Ś
Test	Voltage	e:	AC	120V	//60H	łz		e e	M				Ç	MI	3
Ant.	Pol.		Vert	ical	11	11)		a 1				17	e) L		
Test	Mode:		Mod	le 2						1	MI	A STATE OF			À
Rem	nark:		Only	wor	se c	ase i	s reported.		15	3		. (	W	IN	
80.0	0 dBuV/m														
30	Mun	×	~	~~	2 X	w	3 4 X X	5 X	Pw.		FCC 15E	3 3M Radia Margin		6 ×	
-20															
30	D.000 40	50	60	70 8	10		(MHz)		300	400	500	600 70	0	1000.000	)
١	No. Mk	. F	req.	F	Read Lev		Correct Factor	Measu ment		Lim	it	Ove	٢		
		ľ	MHz		dBu	V	dB/m	dBuV/r	n	dBu\	//m	dB		Detect	or
1	*	46.	3402	1	56.9	92	-21.87	35.0	5	40.	00	-4.9	5	peal	k
2		82.	9385	1	47.0	06	-22.29	24.7	7	40.	00	-15.2	23	peal	k
3		170	.7926	3	51.7	73	-20.44	31.29	9	43.	50	-12.2	21	peal	k
4		184	.4898	3	51.5	52	-19.98	31.54	4	43.	50	-11.9	96	peal	k
5		234	.1684	4	49.7	74	-18.08	31.66	3	46.	00	-14.3	34	peal	k
6	ļ	893	.8567	7	44.9	97	-4.45	40.52	2	46.	00	-5.4	8	peal	k
															_

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

- Remark:
  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)



## Above 1-25GHz

Temperature:	23.9℃	Relative Humidity:	44%					
Test Voltage:	DC 7.6V							
Ant. Pol.	Horizontal							
Test Mode:	BLE(1Mbps) Mode TX 240	BLE(1Mbps) Mode TX 2402 MHz						
Remark:	No report for the emission which more than 10 dB below the							
	prescribed limit.							

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4804.992	41.75	13.03	54.78	74.00	-19.22	peak
2	*	4805.148	27.88	13.03	40.91	54.00	-13.09	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 (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.

Temperature:	23.9℃	Relative Humidity:	44%					
Test Voltage:	DC 7.6V	TIVE						
Ant. Pol.	Vertical							
Test Mode:	BLE(1Mbps) Mode TX 24	BLE(1Mbps) Mode TX 2402 MHz						
Remark:	No report for the emission which more than 10 dB below the prescribed limit.							

No	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4803.637	41.07	13.01	54.08	74.00	-19.92	peak
2	*	4803.733	28.02	13.01	41.03	54.00	-12.97	AVG

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





Page: 33 of 34

Temperature:	23.9℃	Relative Humidity:	44%						
Test Voltage:	DC 7.6V								
Ant. Pol.	Horizontal	Horizontal							
Test Mode:	BLE(1Mbps) Mode TX 2442 MHz								

N	o. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4882.474	41.39	13.59	54.98	74.00	-19.02	peak
2	*	4883.948	28.58	13.60	42.18	54.00	-11.82	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 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:	23.9℃	Relative Humidity:	44%						
Test Voltage:	DC 7.6V								
Ant. Pol.	Vertical								
Test Mode:	BLE(1Mbps) Mode TX 2442	BLE(1Mbps) Mode TX 2442 MHz							

No	. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4884.133	41.61	13.60	55.21	74.00	-18.79	peak
2	*	4885.526	28.37	13.61	41.98	54.00	-12.02	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 (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.





 Temperature:
 23.9℃
 Relative Humidity:
 44%

 Test Voltage:
 DC 7.6V

 Ant. Pol.
 Horizontal

 Test Mode:
 BLE(1Mbps) Mode TX 2480 MHz

	No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		*	4959.059	28.44	14.15	42.59	54.00	-11.41	AVG
2			4961.385	40.37	14.16	54.53	74.00	-19.47	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:	23.9℃	Relative Humidity:	44%
Test Voltage:	DC 7.6V		
Ant. Pol.	Vertical	THU -	
Test Mode:	BLE(1Mbps) Mode TX 2480	MHz	

No	o. Mł	k. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4959.844	28.61	14.15	42.76	54.00	-11.24	AVG
2		4960.489	41.92	14.16	56.08	74.00	-17.92	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.

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