

Shenzhen Toby Technology Co., Ltd.

Report No.: TB-FCC146529

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FCC ID: 2AC8G-UITAS

Original Grant

Report No. : TB-FCC146529

Applicant: Outform Ltd.

Equipment Under Test (EUT)

EUT Name: iDISPLAY TABLET

Model No. : UIT313B-U01

Series No. : Please see the page of 4

Brand Name : ContextMedia Health

Receipt Date : 2016-01-04

Test Date : 2016-01-05 to 2016-01-13

Issue Date : 2016-01-14

Standards : FCC Part 15, Subpart C (15.247:2015)

Test Method : ANSI C63.10: 2013

Conclusions : PASS

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

The EUT technically complies with the FCC and IC requirements

Test/Witness

Engineer

Approved&

Authorized

LVAN SA CECHNOLOGY

Fug Lai 1945 *

This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in the report.

TB-RF-074-1.0



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1. General Information about EUT

1.1 Client Information

Applicant: Outform Ltd.

Address : Room A103 and A105, Nanshan Medical Instrument Industry Park,

No. 1019, Nanhai Avenue Nanshan District, Shenzhen, Guangdong

Province, China

Manufacturer : Outform Ltd.

Address : Room A103 and A105, Nanshan Medical Instrument Industry Park,

No. 1019, Nanhai Avenue Nanshan District, Shenzhen, Guangdong

Province, China

1.2 General Description of EUT (Equipment Under Test)

EUT Name	:	iDISPLAY TABLET					
Models No.		UIT243X-XYY, UIT410X X is A-Z represents the s	UIT313B-U01, UIT313X-XYY, UIT305X-XYY, UIT413X-XYY, UIT243X-XYY, UIT410X-XYY, UIT407X-XYY, UIM400X-XYY (The 1st X is A-Z represents the software version; The 2nd X is A-Z represents the color, YY is client number from "01" to "50".)				
Model Difference	*	They are identical in circuitry design, PCB layout, electrical components used, internal wiring and functions, only different on colo					
Product Description		Operation Frequency: BLE: 2402MHz~2480MH WIFI 802.11b/g/n(H20): 802.11n(H40): 242 Number of Channel: RF Output Power: Antenna Gain: Modulation Type: Bit Rate of Transmitter:	2412MHz~2462MHz see note(2) Bluetooth 4.0 (BLE): 40 channels see note(3) -6.092 dBm Conducted Power 1.66 dBi FPC Antenna GFSK				
Power Supply	Ġ	DC power supplied by AC/DC Adapter. DC Voltage supplied from Li-ion battery.					
Power Rating		Input: AC 100~240V 50/60Hz 0.7A Max. Output: 5V 3A. DC 3.7V from 2*5000mA Li-ion battery.					
Connecting I/O Port(S)	:	Please refer to the User	's Manual				

Note:

(1) This Test Report is FCC Part 15.247 for Bluetooth BLE, the test procedure follows the FCC KDB 558074 D01 DTS Meas Guidance v03r03.



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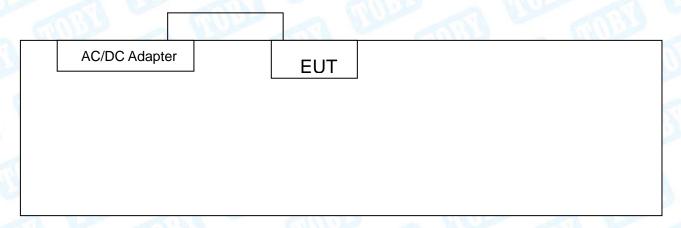
(2) For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual. The EUT has also been tested and complied the FCC 15C for WiFi function, and recorded in the separate test report.

- (3) Antenna information provided by the applicant.
- (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

TX Mode



1.4 Description of Support Units

The EUT has been tested as an independent unit.



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1.5 Description of Test Mode

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned follow was evaluated respectively.

For Conducted Test				
Final Test Mode Description				
Mode 1	AC Charging With TX Mode			

For Radiated Test				
Final Test Mode	Description			
Mode 2	AC Charging With TX Mode			
Mode 3	TX Mode (Channel 00/20/39)			

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:

Bluetooth 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 mobile unit; in normal use it was positioned on X-plane. The worst case was found positioned on X-plane. Therefore only the test data of this X-plane was used for radiated emission measurement test.



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1.6 Description of Test Software Setting

During testing channel& Power controlling software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product power parameters of RF setting.

Test Software Version	Bluetooth MP Tool			
Channel	CH 00	CH 20	CH 39	
BLE Mode	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 _{Lab})
	Level Accuracy:	
Conducted Emission	9kHz~150kHz	±3.42 dB
	150kHz to 30MHz	±3.42 dB
Dadiated Emission	Level Accuracy:	. 4 CO dD
Radiated Emission	9kHz to 30 MHz	±4.60 dB
Radiated Emission	Level Accuracy:	±4.40 dB
Radiated Emission	30MHz to 1000 MHz	±4.40 db
Radiated Emission	Level Accuracy:	±4.20 dB
Radiated Emission	Above 1000MHz	±4.20 UB



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1.8 Test Facility

The testing report were performed by the Shenzhen Toby Technology Co., Ltd., in their facilities located at 1A/F., Bldg.6, Yusheng Industrial Zone, The National Road No.107 Xixiang Section 467, Xixiang, Bao'an, Shenzhen, Guangdong, China. At the time of testing, the following bodies accredited the Laboratory:

CNAS (L5813)

The Laboratory has been accredited by CNAS to ISO/IEC 17025: 2005 General Requirements for the Competence of Testing and Calibration Laboratories for the competence in the field of testing. And the Registration No.: CNAS L5813.

FCC List No.: (811562)

The Laboratory is listed in the United States of American Federal Communications Commission (FCC), and the registration number is 811562.

IC Registration No.: (11950A-1)

The Laboratory has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing. The site registration: Site# 11950A-1.



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2. Test Summary

Standa	rd Section	Tool Hom	lu dama ant	a Wy	
FCC	IC	Test Item	Judgment	Remark	
15.203	1	Antenna Requirement	PASS	N/A	
15.207	RSS-GEN 7.2.4	Conducted Emission	PASS	N/A	
15.205	RSS-GEN 7.2.2	Restricted Bands	PASS	N/A	
15.247(a)(2)	RSS 247 5.2 (1)	6dB Bandwidth	PASS	N/A	
15.247(b)	RSS 247 5.4 (4)	Peak Output Power	PASS	N/A	
15.247(e)	RSS 247 5.2 (2)	Power Spectral Density	PASS	N/A	
15.247(d)	RSS 247 5.5	Transmitter Radiated Spurious Emission	PASS	N/A	

Note: "/" for no requirement for this test item.

N/A is an abbreviation for Not Applicable.



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3. Test Equipment

Conducte	d Emission Te	est			
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date
EMI Test Receiver	Rohde & Schwarz	ESCI	100321	Aug. 07, 2015	Aug. 06, 2016
RF Switching Unit	Compliance Direction Systems Inc	RSU-A4	34403	Aug. 07, 2015	Aug. 06, 2016
AMN	SCHWARZBECK	NNBL 8226-2	8226-2/164	Aug. 07, 2015	Aug. 06, 2016
LISN	Rohde & Schwarz	ENV216	101131	Aug. 07, 2015	Aug. 06, 2016
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Date
Radiation	Emission Tes	i.			Cal. Due
Spectrum	Agilent	E4407B	MY45106456	Aug. 29, 2015	Aug. 28, 2016
Analyzer EMI Test Receiver	Rohde & Schwarz	ESCI	100010/007	Aug. 07, 2015	Aug. 06, 2016
Bilog Antenna	ETS-LINDGREN	3142E	00117537	Mar. 28, 2015	Mar. 27, 2016
Bilog Antenna	ETS-LINDGREN	3142E	00117542	Mar. 28, 2015	Mar. 27, 2016
Horn Antenna	ETS-LINDGREN	3117	00143207	Mar. 28, 2015	Mar. 27, 2016
Horn Antenna	ETS-LINDGREN	3117	00143209	Mar. 28, 2015	Mar. 27, 2016
Pre-amplifier	Sonoma	310N	185903	Mar. 28, 2015	Mar. 27, 2016
Pre-amplifier	HP	8447B	3008A00849	Mar. 28, 2015	Mar. 27, 2016
Cable	HUBER+SUHNER	100	SUCOFLEX	Mar. 28, 2015	Mar. 27, 2016
Positioning Controller	ETS-LINDGREN	2090	N/A	N/A	N/A



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4. Conducted Emission Test

4.1 Test Standard and Limit

4.1.1Test Standard FCC Part 15.207

4.1.2 Test Limit

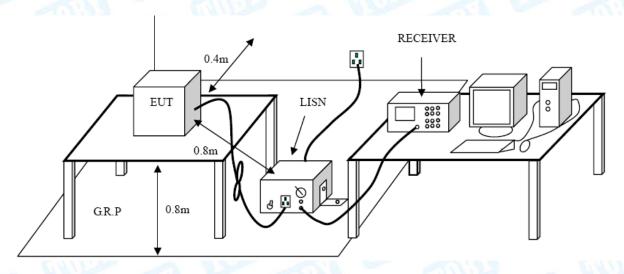
Conducted Emission Test Limit

THE FRANCE OF THE PARTY OF THE	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.

4.2 Test Setup



4.3 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.



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I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.

LISN at least 80 cm from nearest part of EUT chassis.

The bandwidth of EMI test receiver is set at 9kHz, and the test frequency band is from 0.15MHz to 30MHz.

4.4 EUT Operating Mode

Please refer to the description of test mode.

4.5 Test Data

Test data please refer the following pages.





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EUT:	iDISI	PLAY TABLE	T I	Model Name	:	UIT313	3B-U01
Temperature:	25 °C	C		Relative Hur	nidity:	55%	Aller
Test Voltage:	AC 1	20V/60Hz		18	Cal	11119	
Terminal:	Line	2	Alto		J B		
Test Mode:	AC C	Charging with	TX BLE M	lode 2402MF	lz	2 N	MALE
Remark:	Only	worse case	is reported	-		13	
80.0 dBuV			-				
						QP: AVG:	
						ATG.	
√x .							
Why	×	× ×					
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20							
0.150	0.5		(MHz)	5			30.000
		Reading	Correct	Measure-			
No. Mk.	Freq.	Level	Factor	ment	Limit	O∨er	
	MHz	dBuV	dB	dBuV	dBu∀	dB	Detector
1 (0.1685	29.90	9.96	39.86	65.03	-25.17	QP
2 *	0.1685	23.07	9.96	33.03	55.03	-22.00	AVG
3	0.4060	22.36	10.02	32.38	57.73	-25.35	QP
4	0.4060	15.06	10.02	25.08	47.73	-22.65	AVG
5	0.6100	21.61	10.07	31.68	56.00		QP
	0.6100	11.91	10.07	21.98	46.00		AVG
	0.8980	19.29	10.08	29.37	56.00		QP
	0.8980	11.03	10.08	21.11	46.00		AVG
_	6.1660	18.72	10.02	28.74	60.00		QP
9 1	6.1660	12.66	10.02	22.68	50.00		AVG
		12.00		26.43	60.00		QP
10		16 34	10 NQ		00.00	00.07	1
10	7.8460	16.34	10.09		50.00		A1/C
10		16.34 10.60	10.09	20.69	50.00		AVG
10 11 12	7.8460 7.8460	10.60			50.00		AVG
10 11 12	7.8460	10.60			50.00		AVG





UT:	iDISP	LAY TABLET		Model Name		UIT313B	3-U01
Temperature:	25 ℃	Carried States		Relative Hum	idity:	55%	Alle
Test Voltage:	AC 12	20V/60Hz			61	11:30	
Terminal:	Neutra	al	Alto.		1 6		
Test Mode:	AC CI	harging with	TX BLE M	ode 2402MHz	Z	a W	
Remark:	Only	worse case is	s reported			13	
80.0 dBuV							
						QP: AVG:	
Nu .							
W. M.	×	,					
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							AV
20							
20 0.150	0.5		(MHz)	5			30.000
	0.5	Danding					30.000
0.150	0.5 Freq.	Reading Level	(MHz) Correct Factor	Measure- ment	Limit	Over	30.000
0.150 No. Mk. F		_	Correct	Measure-	Limit	Over	30.000
0.150 No. Mk. F	req.	Level	Correct Factor	Measure- ment			
0.150 No. Mk. F	req. MHz	Level dBuV	Correct Factor	Measure- ment	dBuV	dB	Detector QP
0.150 No. Mk. F 1 0.3 2 0.3	Freq. MHz 3740	dBuV 23.62	Correct Factor dB 10.06	Measure- ment dBuV 33.68	dBuV 58.41 48.41	dB -24.73	Detector QP
0.150 No. Mk. F 1 0.3 2 0.3 3 0.4	Freq. WHZ 3740 3740 4820	dBuV 23.62 15.87 23.78	Correct Factor dB 10.06 10.06	Measure- ment dBuV 33.68 25.93 33.81	dBu∨ 58.41 48.41 56.30	dB -24.73 -22.48	Detector QP AVG
0.150 No. Mk. F 1 0.3 2 0.3 3 0.4 4 * 0.4	Freq. MHz 3740 3740 4820	23.62 15.87 23.78 18.43	Correct Factor dB 10.06 10.03 10.03	Measure- ment dBuV 33.68 25.93 33.81 28.46	dBuV 58.41 48.41 56.30 46.30	dB -24.73 -22.48 -22.49 -17.84	Detector QP AVG QP AVG
0.150 No. Mk. F 1 0.3 2 0.3 3 0.4 4 * 0.4 5 0.6	Freq. MHz 3740 3740 4820 4820 6340	23.62 15.87 23.78 18.43 21.67	Correct Factor dB 10.06 10.06 10.03 10.03	Measure- ment dBuV 33.68 25.93 33.81 28.46 31.69	58.41 48.41 56.30 46.30 56.00	-24.73 -22.48 -22.49 -17.84 -24.31	Detector QP AVG QP AVG
0.150 No. Mk. F 1 0.3 2 0.3 3 0.4 4 * 0.4 5 0.6 6 0.6	Freq. MHz 3740 3740 4820 4820 5340 5340	23.62 15.87 23.78 18.43 21.67 14.20	Correct Factor dB 10.06 10.03 10.03 10.02 10.02	Measure- ment dBuV 33.68 25.93 33.81 28.46 31.69 24.22	dBuV 58.41 48.41 56.30 46.30 56.00	dB -24.73 -22.48 -22.49 -17.84 -24.31 -21.78	Detector QP AVG QP AVG
0.150 No. Mk. F 1 0.3 2 0.3 3 0.4 4 * 0.4 5 0.6 6 0.6 7 0.8	Freq. MHz 3740 3740 4820 4820 5340 5340 3420	Level dBuV 23.62 15.87 23.78 18.43 21.67 14.20 21.75	Correct Factor dB 10.06 10.03 10.03 10.02 10.02 10.09	Measurement dBuV 33.68 25.93 33.81 28.46 31.69 24.22 31.84	dBuV 58.41 48.41 56.30 46.30 56.00 56.00	-24.73 -22.48 -22.49 -17.84 -24.31 -21.78 -24.16	Detector QP AVG QP AVG QP AVG
0.150 No. Mk. F 1 0.3 2 0.3 3 0.4 4 * 0.4 5 0.6 6 0.6 7 0.8 8 0.8	Freq. MHz 3740 3740 4820 5340 5340 3420	Level dBuV 23.62 15.87 23.78 18.43 21.67 14.20 21.75 15.60	Correct Factor dB 10.06 10.06 10.03 10.03 10.02 10.02 10.09	Measurement dBuV 33.68 25.93 33.81 28.46 31.69 24.22 31.84 25.69	dBuV 58.41 48.41 56.30 46.30 56.00 46.00	-24.73 -22.48 -22.49 -17.84 -24.31 -21.78 -24.16 -20.31	QP AVG QP AVG QP AVG
0.150 No. Mk. F 1 0.3 2 0.3 3 0.4 4 * 0.4 5 0.6 6 0.6 7 0.8 8 0.8 9 2.4	Freq. MHz 3740 3740 4820 5340 5340 3420 4539	Level dBuV 23.62 15.87 23.78 18.43 21.67 14.20 21.75 15.60 19.70	Correct Factor dB 10.06 10.03 10.03 10.02 10.02 10.09 10.09	Measurement dBuV 33.68 25.93 33.81 28.46 31.69 24.22 31.84 25.69 29.76	58.41 48.41 56.30 46.30 56.00 46.00 56.00	-24.73 -22.48 -22.49 -17.84 -24.31 -21.78 -24.16 -20.31 -26.24	Detector QP AVG QP AVG QP AVG QP AVG
No. Mk. F 1 0.3 2 0.3 3 0.4 4 * 0.4 5 0.6 6 0.6 7 0.8 8 0.8 9 2.4 10 2.4	Freq. MHz 3740 3740 4820 4820 3340 3420 4539 4539	Level dBuV 23.62 15.87 23.78 18.43 21.67 14.20 21.75 15.60 19.70 16.10	Correct Factor dB 10.06 10.03 10.03 10.02 10.02 10.09 10.09 10.06 10.06	Measurement dBuV 33.68 25.93 33.81 28.46 31.69 24.22 31.84 25.69 29.76 26.16	dBuV 58.41 48.41 56.30 46.30 56.00 46.00 56.00 46.00	dB -24.73 -22.48 -22.49 -17.84 -24.31 -21.78 -24.16 -20.31 -26.24 -19.84	QP AVG QP AVG QP AVG
0.150 No. Mk. F 1 0.3 2 0.3 3 0.4 4 * 0.4 5 0.6 6 0.6 7 0.8 8 0.8 9 2.4 10 2.4 11 3.4	Freq. MHz 3740 3740 4820 5340 5340 3420 4539	Level dBuV 23.62 15.87 23.78 18.43 21.67 14.20 21.75 15.60 19.70	Correct Factor dB 10.06 10.03 10.03 10.02 10.02 10.09 10.09	Measurement dBuV 33.68 25.93 33.81 28.46 31.69 24.22 31.84 25.69 29.76	dBuV 58.41 48.41 56.30 46.30 56.00 46.00 56.00 46.00 56.00	dB -24.73 -22.48 -22.49 -17.84 -24.31 -21.78 -24.16 -20.31 -26.24 -19.84	QP AVG QP AVG QP AVG



6.				
4	A.	U.	$\mathbf{n}\mathbf{v}$	
			KV.	
		V.		
- 5				

dBuV 30.63	(MHz) Correct Factor	Measure-ment	- GIII	QP: AVG:	peal AVG
Reading Level dBuV 30.63	(MHz) Correct Factor	Measure-ment	and the same of th	AVG:	AVG
Reading Level dBuV 30.63	(MHz) Correct Factor	Measure-ment	and the same of th	AVG:	AVG
Reading Level dBuV 30.63	(MHz) Correct Factor	Measure-ment	and the same of th	AVG:	AVG
Reading Level dBuV 30.63	(MHz) Correct Factor	Measure- ment	Limit	AVG:	AVG
Reading Level dBuV 30.63	Correct Factor	Measure- ment	Limit	AVG:	AVG
Reading Level dBuV 30.63	Correct Factor	Measure- ment	Limit	AVG:	AVG
dBuV 30.63	Correct Factor	Measure- ment	Limit	Over	30.000
30.63					
		dBu∨	dBu∀	dB	Detector
	9.94	40.57	65.36	-24.79	QP
20.29	9.94	30.23	55.36	-25.13	AVG
28.09	10.02	38.11	63.36	-25.25	QP
18.42	10.02	28.44	53.36	-24.92	AVG
26.95	10.02	36.97	61.49	-24.52	QP
17.83	10.02	27.85	51.49	-23.64	AVG
23.96	10.02	33.98	58.68	-24.70	QP
15.26	10.02	25.28	48.68	-23.40	AVG
21.29	10.02	31.31	56.30	-24.99	QP
14.81	10.02	24.83	46.30	-21.47	AVG
21.66	10.09	31.75	56.00	-24.25	QP
14.49	10.09	24.58			AVG
	26.95 17.83 23.96 15.26 21.29 14.81 21.66	26.95 10.02 17.83 10.02 23.96 10.02 15.26 10.02 21.29 10.02 14.81 10.02 21.66 10.09 14.49 10.09	26.95 10.02 36.97 17.83 10.02 27.85 23.96 10.02 33.98 15.26 10.02 25.28 21.29 10.02 31.31 14.81 10.02 24.83 21.66 10.09 31.75 14.49 10.09 24.58	26.95 10.02 36.97 61.49 17.83 10.02 27.85 51.49 23.96 10.02 33.98 58.68 15.26 10.02 25.28 48.68 21.29 10.02 31.31 56.30 14.81 10.02 24.83 46.30 21.66 10.09 31.75 56.00 14.49 10.09 24.58 46.00	26.95 10.02 36.97 61.49 -24.52 17.83 10.02 27.85 51.49 -23.64 23.96 10.02 33.98 58.68 -24.70 15.26 10.02 25.28 48.68 -23.40 21.29 10.02 31.31 56.30 -24.99 14.81 10.02 24.83 46.30 -21.47 21.66 10.09 31.75 56.00 -24.25 14.49 10.09 24.58 46.00 -21.42



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		ВΥ
	. •	

EUT:	iDISF	PLAY TABLE	T	Model Na	me:	UIT3	13B-U01
Temperature:	25 ℃		2 M	Relative F	lumidity:	55%	
Test Voltage:	AC 2	40V/60Hz		J. BAT.		1	A Property
Terminal:	Neutr	al		13	GII	100	
Test Mode:	AC C	harging with	TX BLE M	ode 2402MH	z	600	MAL
Remark:	Only	worse case	is reported	William		A N	
80.0 dBuV	,						
						QP: AVG:	
^ *t							
WYW	1.M~~~~~	raturatura x			AND		
30	1 amount	and making	Labyron gardelaby yang daring daring	Makershiresperior	W. Wall	h.	
W W V	C) () cond(Thankshiph Y payout .	. NAMANO 11 1	والمرود أمير والمرود والمرود والمراسات	- marine	Market Land Comment	Warajina Mara
		7/4/4	White a mattheway was	N. Marie C.	Variable of 1	hallhade a	pea
						and partition	AVE
0.150	0.5		(MHz)	5			30.000
No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	0.2100	27.99	10.12	38.11		-25.09	QP
	0.2100	19.92	10.12	30.04		-23.16	AVG
	0.3740	24.45	10.06	34.51	58.41		QP
	0.3740	16.17	10.06	26.23	48.41		AVG
	0.6900	21.46	10.02	31.48	56.00		QP
	0.6900	13.80	10.02	23.82	46.00		AVG
7	1.1300	15.82	10.02	25.97	56.00		QP
8	1.1300	7.67	10.15	17.82	46.00		AVG
9	3.5780	14.47	10.06	24.53	56.00		QP
	3.5780	6.03	10.06	16.09	46.00		AVG
11	8.0620	19.16	10.10	29.26	60.00		QP
	8.0620	11.61	10.10	21.71	50.00		AVG
	5.5020	11.01	10.10	21.71	55.00	20.28	740
*:Maximum data							



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5. Radiated Emission Test

5.1 Test Standard and Limit

5.1.1 Test Standard FCC Part 15.209

5.1.2 Test Limit

Radiated Emission Limits (9kHz~1000MHz)

Frequency (MHz	Field Strength (microvolt/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

Radiated Emission Limit (Above 1000MHz)

Frequency	Class A (dBu\	//m)(at 3 M)	Class B (dBuV	//m)(at 3 M)
(MHz)	Peak	Average	Peak	Average
Above 1000	80	60	74	54

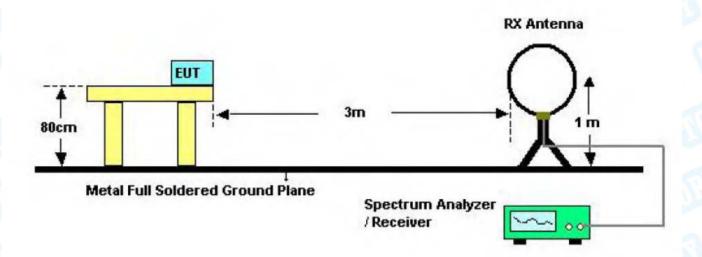
Note:

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

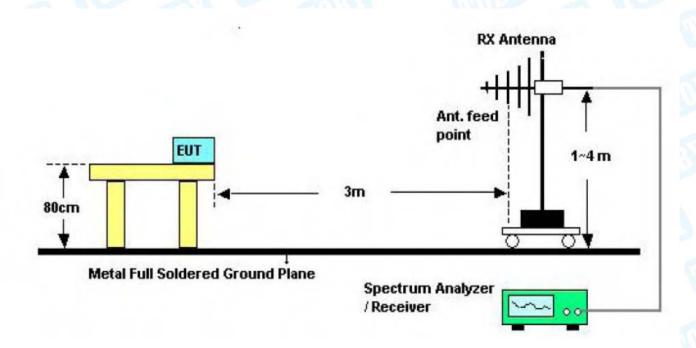


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5.2 Test Setup



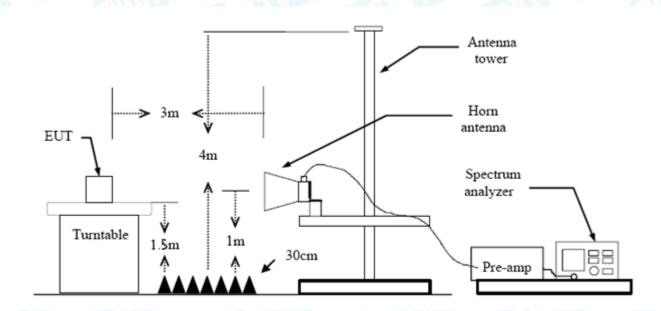
Below 30MHz Test Setup



Below 1000MHz Test Setup



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Above 1GHz Test Setup

5.3 Test Procedure

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



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5.4 EUT Operating Condition

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

5.5 Test Data

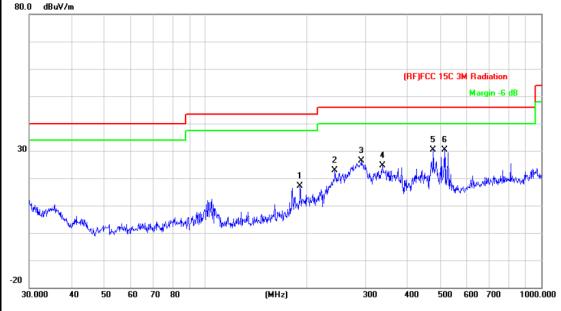
Remark: During testing above 1GHz the measuring instrument use RBW=1 MHz and VBW=3 MHz with Peak Detector for Peak Values, and use RBW=1 MHz and VBW=10 kHz with Peak Detector for Average Values.

Test data please refer the following pages.



T _A	\T	7	7
) i	5	
		0 10	-

EUT:	iDISPLAY TABLET	Model:	UIT313B-U01
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz	ma tra	339
Ant. Pol.	Horizontal		
Test Mode:	BLE TX 2402 Mode	WILD S	HILL
Remark:	Only worse case is report	ed	5 5
80.0 dBuV/m			
		(RF)FCC 15C	3M Radiation



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		191.7450	37.82	-20.81	17.01	43.50	-26.49	peak
2		243.3771	41.23	-18.43	22.80	46.00	-23.20	peak
3		291.0360	43.63	-17.26	26.37	46.00	-19.63	peak
4		337.2155	40.12	-15.39	24.73	46.00	-21.27	peak
5		477.1693	42.02	-11.61	30.41	46.00	-15.59	peak
6	*	515.4374	41.18	-10.74	30.44	46.00	-15.56	peak

x:Over limit !:over margin *:Maximum data





EUT:		iDISF	PLAY TABLE	T \	Model:		UIT313B-U	J01
Temperat	ure:	25 ℃		33	Relative Hum	nidity:	55%	N. P.
Test Volta	ge:	AC 1	20V/60Hz		811	(FI	TIME TO SELECT	
Ant. Pol.		Vertic	cal	AND		I C	-	ΩI
est Mod	e :	BLE	TX 2402 Mo	de	MILLER			
Remark:		Only	worse case	is reported		an'	33	
80.0 dBuV/m	<u> </u>							
						(RF)FCC	15C 3M Radiation Margin -6	ав Г
							6	
							الرا	
30								
	1 /***	2 X	hynn. 3		4 5 X 4	الموادات		Mappy
JAN WATER	NA PARTIES	-	**************************************	walkaray Maray	Mary Mary Mary	Mynywyw inti		
	Ψ.		. MV40	palpalata anta Lata santa	and when			
20								
30.000 4	0 50	60 70	80	(MHz)	300	400	500 600 700	1000.00
			Reading	Correct	Measure-		_	
No. M	k. Fi	req.	Level	Factor	m ent	Limit	O∨er	
	М	Hz	dBu∨	dB/m	dBuV/m	dBuV/m	ı dB	Detecto
1	52.5	753	43.72	-24.43	19.29	40.00	-20.71	peak
2	66.7	325	43.17	-23.91	19.26	40.00	-20.74	peak
3	107.	8877	37.05	-21.86	15.19	43.50	-28.31	peak
	250.	3012	35.06	-18.11	16.95	46.00	-29.05	peak
4			35.78	-16.95	18.83	46.00	-27.17	peak
4 5	303.	5437	00.70					
		5437 2458	50.60	-10.14	40.46	46.00	-5.54	peak
5				-10.14	40.46	46.00	-5.54	peak





UT:	וטוטו	PLAY TABLE		Model:		UIT313	3B-U01
emperature:	25 °C		30	Relative I	Humidity:	55%	
est Voltage:	AC 1	20V/60Hz		11	1150	13.9	
Ant. Pol.	Horiz	ontal	BAIL.		1 62		
Test Mode:	BLE	TX 2442 Mo	de	MID		A 11/1	Market
Remark:	Only	worse case	is reported				
30 dBuV/m				3	(RF)FCC 150	C 3M Radiation Margin -6	
20 30.000 40 !	50 60 70	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(MHz)	300	400 500) 600 700	1000.00
30.000 40 !					400 500 Limit		1000.00
30.000 40 !	50 60 70	80 Reading	(MHz)	300 Measure-		0 600 700	1000.00
30.000 40 ! No. Mk.	50 60 70 Freq.	Reading Level	(MHz) Correct Factor	Measure- ment	Limit	0 600 700 Over	
No. Mk.	Freq. MHz	Reading Level	(MHz) Correct Factor dB/m	Measure- ment	Limit dBuV/m	0 600 700 Over	Detecto
No. Mk. 1 10 2 19	Freq. MHz 6.7587	Reading Level dBuV 33.24	(MHz) Correct Factor dB/m -21.85	Measure- ment dBuV/m 11.39	Limit dBuV/m 43.50	Over dB -32.11	Detecto peak
No. Mk. 1 10 2 19 3 28	Freq. MHz 6.7587	Reading Level dBuV 33.24 36.52	Correct Factor dB/m -21.85 -20.81	Measure- ment dBuV/m 11.39 15.71	Limit dBuV/m 43.50 43.50	Over dB -32.11 -27.79	Detecto peak peak
No. Mk. 1 10 2 19 3 28 4 34	Freq. MHz 6.7587 1.7450 2.9852	Reading Level dBuV 33.24 36.52 44.26	(MHz) Correct Factor dB/m -21.85 -20.81 -17.42	Measure- ment dBuV/m 11.39 15.71 26.84	Limit dBuV/m 43.50 43.50 46.00	Over dB -32.11 -27.79 -19.16	Detecto peak peak peak





EUT:	JT: iDISPLAY TABLET Model:				UIT313B	-U01					
Temper	ature	:	25	$^{\circ}$ C	CIL		Relativ	e Hum	nidity:	55%	ARRY
Test Vo	ltage:		AC	120\	V/60Hz		100		(A)	1133	
Ant. Po	I.		Vert	tical		a 113	1	1	J C		MI
Test Mo	BLE TX 2442 Mode										
Remark	(:		Only	y wo	rse ca	se is repo	rted			19	
80.0 dBu	V/m										
									(RF)FCC	15C 3M Radiati	
										Margin 6	-6 db
										X	
30										M	
		1	2 X	uń.		3		4 5 * X	. Marth	Mary The State of	hollywar
Man Mar	oh "A/	/ ~	MV.	N ANN	Wassing Pality	X	, , , , , , , , , , , , , , , , , , ,	, Mary Market	Managhapha May May M	10QWITT.	
'	White				1,1,1,1	identacy)krisyrige.jedilijil	Mirighingherpur				
20											
20 <u> </u>	40	50	60 7	70 80		(MH	z)	300	400	500 600 70	0 1000.0
					eadin	g Corre	act Ma:	asure-			
No.	Mk.	Fre	eq.		Level	y Cont		asure- rent	Limit	O∨er	
		MH			dBu∀	dB/m		BuV/m	dBuV/m	dB	Detecto
1		51.3	005		42.96	-24.4		8.55	40.00	-21.45	5 peal
2		67.2			44.44	-23.8		0.57	40.00		
											<u>'</u>
3		158.1			35.45			4.81	43.50		
	-	261.0)583	ı	36.40	-17.8	38 1	8.52	46.00	-27.48	3 peal
4								0.00	46.00	-26.12	2 peal
5		304.6	099		36.79	-16.9	91 1	9.88	10.00		- pou





ature: tage:	25 °C AC 12 Horizo	0V/60Hz		Relative I	Humidity:	55%
•			1			V In Visit
	Horizo			49		
		ontal	LINE.		1 62	
de:	BLE T	X 2480 M	ode	MILE		I THE
	Only v	vorse case	is reported			
7/m						
					(RF)FCC 15C	3M Radiation
						Margin -6 dB
				3	5 6 X X	
				Z X	المالميلا يبيرة	المرابع المارين
			1 (Å.	A WHAT AND A ST.	Mar. L. Alexandra M. M.	make product of report products of the particular
Yu. du		and the last of the last	Mary Mary Mary Mary Mary	(Mis.)		
Water Land Miner Land	\www.hyPloyn ⁱⁿ yyP	and tolder teas. I which	Laft with a true			
40 50	60 70	80	(MHz)	300	400 500	600 700 1000.0
		Reading	Correct	Measure-		_
/lk. Fre	eq.	Level	Factor	m ent	Limit	Over
МН	lz	dBu∀	dB/m	dBuV/m	dBuV/m	dB Detecto
190.4	050	35.53	-20.89	14.64	43.50	-28.86 peal
244.2	321	41.49	-18.40	23.09	46.00	-22.91 peal
280.0	237	43.71	-17.48	26.23	46.00	-19.77 peal
						-21.38 peal
						·
		42./0		31.09	46.00	-14.91 peal
	374	40.27	-10.74	29.53	46.00	-16.47 peal
	Alk. Fre M⊢ 190.4 244.2 280.0 343.1	40 50 60 70	/m 40 50 60 70 80 Reading Level MHz dBuV 190.4050 35.53 244.2321 41.49 280.0237 43.71 343.1800 39.65	/m 40 50 60 70 80 (MHz) Reading Correct Factor MHz dBuV dB/m 190.4050 35.53 -20.89 244.2321 41.49 -18.40 280.0237 43.71 -17.48 343.1800 39.65 -15.03	Reading Correct Measure— MHz dBuV dB/m dBuV/m 190.4050 35.53 -20.89 14.64 244.2321 41.49 -18.40 23.09 280.0237 43.71 -17.48 26.23 343.1800 39.65 -15.03 24.62	Reading Correct Measure— MHz dBuV dB/m dBuV/m dBuV/m 190.4050 35.53 -20.89 14.64 43.50 244.2321 41.49 -18.40 23.09 46.00 280.0237 43.71 -17.48 26.23 46.00 343.1800 39.65 -15.03 24.62 46.00



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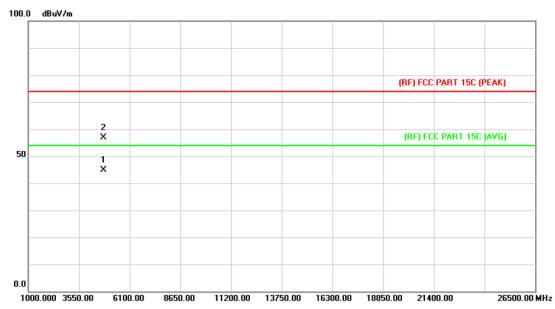


_	iDISPLAY TAB	LET	Model:		UIT313B	-U01
Temperature:	25 ℃		Relative Hum	idity:	55%	MA
Test Voltage:	AC 120V/60Hz		81	GUI	1:35	
Ant. Pol.	Vertical	J. Allan		60		
Test Mode:	BLE TX 2480 N	Mode	WILL		a W	N. Control
Remark:	Only worse cas	se is reported			10	
80.0 dBuV/m						
-20			yy Adam Market M	5 * *		ANT FACTORIAL
30.000 40 50	60 70 80	(MHz)	300	400 5	00 600 700	1000.0
No. Mk. F	Reading req. Level	g Correct Factor	Measure- ment	Limit	Over	
N	1Hz dBuV	dB/m	dBuV/m	dBuV/m	dB	Detect
1 70.8	8315 42.32	-23.59	18.73	40.00	-21.27	pea
2 165	.4866 34.49	-20.88	13.61	43.50	-29.89	pea
3 254	.7284 32.99	-18.02	14.97	46.00	-31.03	pea
	.3158 34.71	-17.10	17.61	46.00	-28.39	pea
4 299		-12.64	21.48	46.00	-24.52	pea
	.1963 34.12	-14.07				



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EUT:	iDISPLAY TABLET	Model:	UIT313B-U01				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60Hz						
Ant. Pol.	Horizontal						
Test Mode:	BLE Mode TX 2402 MHz	BLE Mode TX 2402 MHz					
Remark:	No report for the emission	No report for the emission which more than 10 dB below the					
	prescribed limit.	الله المراح					
l I							

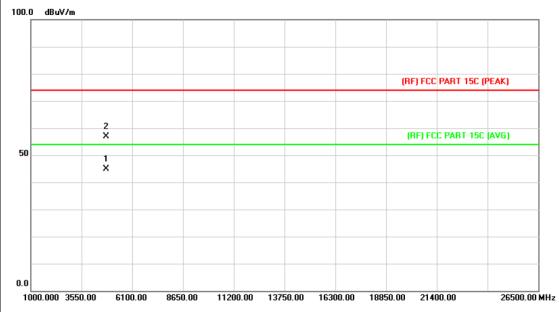


	No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
			MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		*	4803.529	31.55	13.44	44.99	54.00	-9.01	AVG
2			4803.880	43.47	13.44	56.91	74.00	-17.09	peak



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EUT:	iDISPLAY TABLET	Model:	UIT313B-U01				
Temperature:	25 °C Relative Humidity: 55%						
Test Voltage:	AC 120V/60Hz						
Ant. Pol.	Vertical	Vertical					
Test Mode:	BLE Mode TX 2402 MHz		a live				
Remark:	No report for the emission w	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	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4803.136	31.41	13.44	44.85	74.00	-29.15	peak
2	*	4804.543	43.48	13.44	56.92	74.00	-17.08	peak



Page: 29 of 49

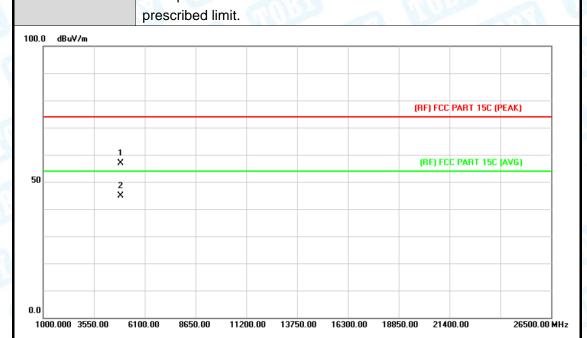
EUT:	iDISPLAY TABLET	Model:	UIT313B-U01				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60Hz						
Ant. Pol.	Horizontal						
Test Mode:	BLE Mode TX 2442 MHz	WILLIAM TO	ABO				
Remark:	No report for the emission which	No report for the emission which more than 10 dB below the					
	prescribed limit.						



No	. Mk	. Freq.	-	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4883.811	31.98	13.92	45.90	54.00	-8.10	AVG
2		4884.615	43.27	13.92	57.19	74.00	-16.81	peak



THUS A							
EUT:	iDISPLAY TABLET	Model:	UIT313B-U01				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz					
Ant. Pol.	Vertical	U					
Test Mode:	BLE Mode TX 2442 MHz						
Remark:	No report for the emission v	No report for the emission which more than 10 dB below the					



No	. Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4883.862	43.05	13.92	56.97	74.00	-17.03	peak
2	*	4883.913	30.93	13.92	44.85	54.00	-9.15	AVG



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EUT:	iDISPLAY TABLET	Model:	UIT313B-U01				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60Hz						
Ant. Pol.	Horizontal						
Test Mode:	BLE Mode TX 2480 MHz		A HILL				
Remark:	No report for the emission wh	No report for the emission which more than 10 dB below the					
	prescribed limit.	- W					
i							

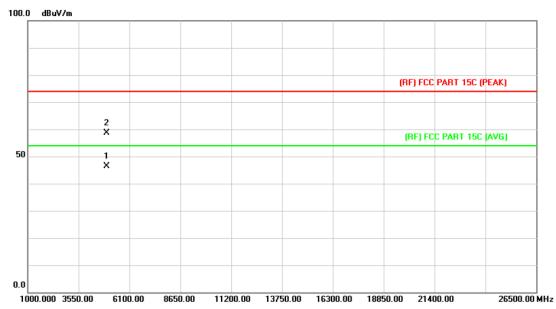


N	o. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4959.805	43.39	14.36	57.75	74.00	-16.25	peak
2	*	4961.165	32.25	14.38	46.63	54.00	-7.37	AVG



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EUT:	iDISPLAY TABLET	Model:	UIT313B-U01				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60Hz	ST - 60	1133				
Ant. Pol.	Vertical	U					
Test Mode:	BLE Mode TX 2480 MHz		2 Aller				
Remark:	No report for the emission which more than 10 dB below the						
	prescribed limit.	- W					



No	o. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4960.141	31.92	14.36	46.28	54.00	-7.72	AVG
2		4960.288	44.26	14.36	58.62	74.00	-15.38	peak



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6. Restricted Bands Requirement

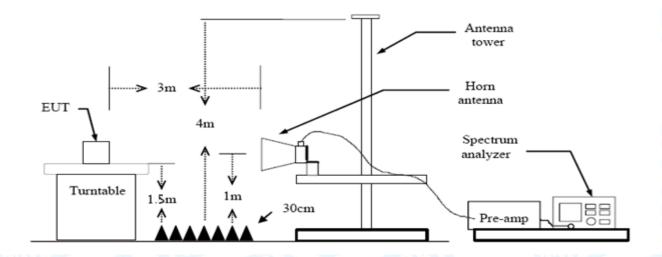
6.1 Test Standard and Limit

6.1.1 Test Standard FCC Part 15.209 FCC Part 15.205

6.1.2 Test Limit

Restricted Frequency	Class B (dB	uV/m)(at 3 M)
Band (MHz)	Peak	Average
2310 ~2390	74	54
2483.5 ~2500	74	54

6.2 Test Setup



6.3 Test Procedure

- (1) 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.
- (2) Measurements at frequency above 1GHz. The EUT was placed on a rotating 1.5m high above the ground. RF absorbers covered the ground plane with a minimum area of 3.0m by 3.0m between the EUT and measurement receiver antenna. The RF absorber shall not exceed 30cm in high above the conducting floor. The table was rotated 360 degrees to determine the position of the highest radiation.
- (3) The Test antenna shall vary between 1m and 4m, Both Horizontal and Vertical antenna are set to make measurement.
- (4) The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked



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and then Quasi Peak detector mode re-measured.

- (5) If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit Bellow 1 GHz, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed. But the Peak Value and average value both need to comply with applicable limit above 1 GHz.
- (6) Testing frequency range below 1GHz the measuring instrument use VBW=120 kHz with Quasi-peak detection.
- (7) Testing frequency range above 1GHz the measuring instrument use RBW=1 MHz and VBW=3 MHz with Peak Detector for Peak Values, and use RBW=1 MHz and VBW=10 KHz with Peak Detector for Average Values.
- (8) For the actual test configuration, please see the test setup photo.

6.4 EUT Operating Condition

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

6.5 Test Data

Remark: During testing above 1GHz the measuring instrument use RBW=1 MHz and VBW=3 MHz with Peak Detector for Peak Values, and use RBW=1 MHz and VBW=10kHz with Peak Detector for Average Values.

Test data please refer the following pages.

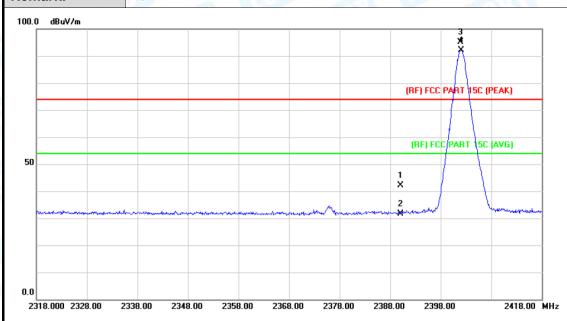






(1) Radiation Test

EUT:	iDISPLAY TABLET	Model:	UIT313B-U01
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		MAIL
Test Mode:	BLE Mode TX 2402 MHz		
Remark:	N/A	A HILL	



No	. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	41.40	0.77	42.17	74.00	-31.83	peak
2		2390.000	30.88	0.77	31.65	54.00	-22.35	AVG
3	Χ	2401.900	94.33	0.82	95.15	Fundamental	Frequency	peak
4	*	2402.100	91.34	0.82	92.16	Fundamental	Frequency	AVG



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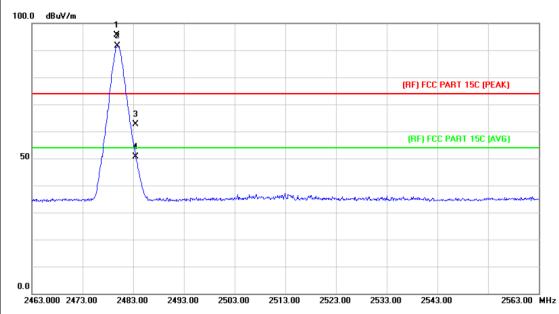


EUT:			iDIS	iDISPLAY TABLET					odel:			UIT313B-U01			1
Temp	eratu	re:	25 ℃					Re	Relative Humidity:				55%		
Test \	Voltag	e:	AC 1	120V	/60Hz		1	S.			(III)	13	9		
Ant. F	Pol.		Verti	ical		1 10					63			M	
Test I	Mode:		BLE	Mod	e TX 2	402 MF	łz	6	3/12	النوا		2	197		
Rema	ark:		N/A				51	/ /			111				
100.0	dBuV/m														
												3 X			
												Ä			
										(BI	F) FCC P.	ART 15	C (PEAI	()	l
												Λ			
											RF) FCC	PART	SC (AVI	21	
50										,	117166	Anı	SC PAY	²]	
										1 X					
					Add a second		Phone 14 4	territoria de la constanta de		2			1	on a successful	
		0404044					41-may 19-may								
0.0		10.00		2010		F0.00	200 00	0076			0000]
2318	0.000 232	28.00 2	2338.00	2348.	.00 23	58.00 2	368.00	2378	3.00 2	388.00	2398.0	IU		2418.00	МН
				D.		Corr		N 4	asur e						
No	. Mk	. Fr	eq.		ading e∨el	Fac			ent	Lin	nit	O	/er		
		М	Hz	d	lBuV	dB/r	m	dB	uV/m	dBı	ıV/m	(:B	Dete	ctc
1		2390	.000	4	1.92	0.7	7	42	2.69	74	.00	-3	1.31	pe	ak
2		2390	.000	3	1.00	0.7	7	3	1.77	54	.00	-2	2.23	ΑV	'G
3	Х	2401	.800	9	0.30	8.0	2	9	1.12	Funda	mental	Frequ	ency	pe	ak
		2402	2.100 86.38		0.8	0.82		87.20		20 Fundamental F		al Eroguene:		'G	



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EUT:	iDISPLAY TABLET	Model:	UIT313B-U0 1		
Temperature:	25 ℃	Relative Humidity:	55%		
Test Voltage:	AC 120V/60Hz				
Ant. Pol.	Horizontal				
Test Mode:	BLE Mode TX 2480 MHz				
Remark:	N/A	- 13			



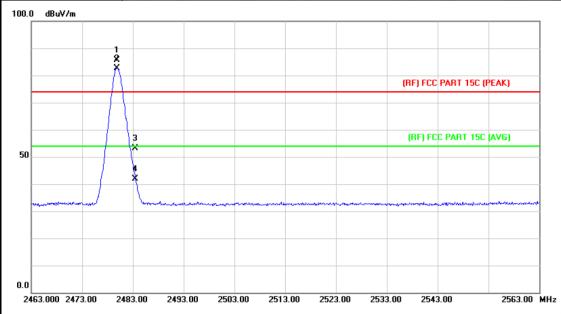
No.	. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	Χ	2479.700	94.58	1.15	95.73	Fundamental	Frequency	peak
2	*	2479.900	90.42	1.15	91.57	Fundamental	Frequency	AVG
3		2483.500	61.44	1.17	62.61	74.00	-11.39	peak
4		2483.500	49.55	1.17	50.72	54.00	-3.28	AVG

Emission Level= Read Level+ Correct Factor



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EUT:	iDISPLAY TABLET	Model:	UIT313B-U01
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	BLE Mode TX 2480 MHz		
Remark:	N/A		1313



No	. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	Χ	2479.800	84.40	1.15	85.55	Fundamental I	Frequency	peak
2	*	2479.900	81.57	1.15	82.72	Fundamental I	Frequency	AVG
3		2483.500	52.04	1.17	53.21	74.00	-20.79	peak
4		2483.500	40.72	1.17	41.89	54.00	-12.11	AVG

Emission Level= Read Level+ Correct Factor

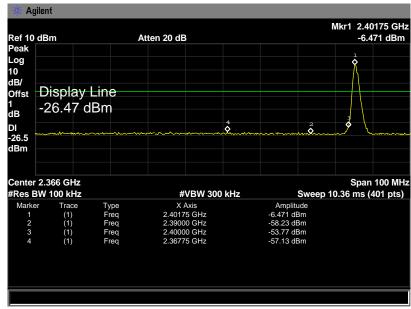


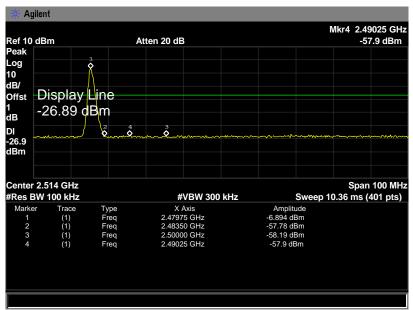


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(2) Conducted Test

EUT:	iDISPLAY TABLET	Model:	UIT313B-U01		
Temperature:	25 ℃	Relative Humidity:	55%		
Test Voltage:	AC 120V/60Hz				
Test Mode:	BLE Mode TX 2402MHz / BLE Mode TX 2480MHz				
Remark:	The EUT is programed in continuously transmitting mode				







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7. Bandwidth Test

7.1 Test Standard and Limit

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

7.1.2 Test Limit

FCC Part 15 Subpart C(15.247)/RSS-247					
Test Item	Test Item Limit Frequency Range(MH				
Bandwidth	>=500 KHz (6dB bandwidth)	2400~2483.5			

7.2 Test Setup



7.3 Test Procedure

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

7.4 EUT Operating Condition

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



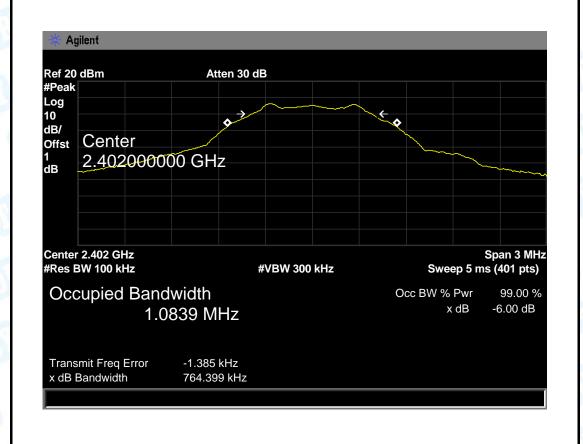
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7.5 Test Data

EUT:	iDIS	SPLAY TABLET	Model:	UIT313B-U01	
Temperature:	25	${\mathbb C}$	Relative Humidity:	55%	
Test Voltage:	AC	120V/60Hz	MILLER	A STATE OF	
Test Mode:	BLE	BLE TX Mode			
Channel frequency 6dB Bandwidth			99% Bandwidth	Limit	
(MHz)		(kHz)	(kHz)	(kHz)	
2402		764.399	1083.90		
2442		762.889	1086.20	>=500	
2480		762.196	1089.80		
PLE Mode					

BLE Mode

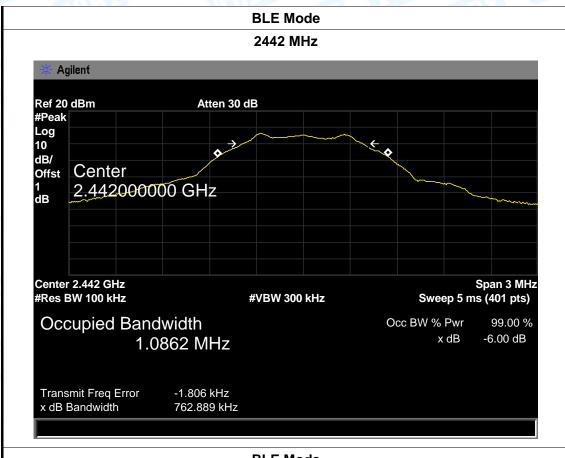
2402 MHz

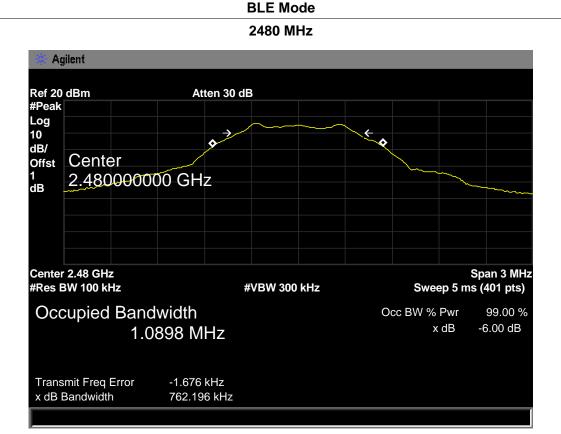






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8. Peak Output Power Test

8.1 Test Standard and Limit

8.1.1 Test Standard FCC Part 15.247 (b)

8.1.2 Test Limit

FCC Part 15 Subpart C(15.247)/RSS-247				
Test Item	Limit	Frequency Range(MHz)		
Peak Output Power	1 Watt or 30 dBm	2400~2483.5		

8.2 Test Setup



8.3 Test Procedure

The EUT was directly connected to the Spectrum Analyzer and antenna output port as show in the block diagram above. The measurement is according to section 9.1.1 of KDB 558074 D01 DTS Meas Guidance v03r03.

- (1) Set the RBW≥DTS Bandwidth
- (2) Set VBW≥3*RBW
- (3) Set Span≥3*RBW
- (4) Sweep time=auto
- (5) Detector= peak
- (6) Trace mode= maxhold.
- (7) Allow trace to fully stabilize, and then use peak marker function to determine the peak amplitude level.

8.4 EUT Operating Condition

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

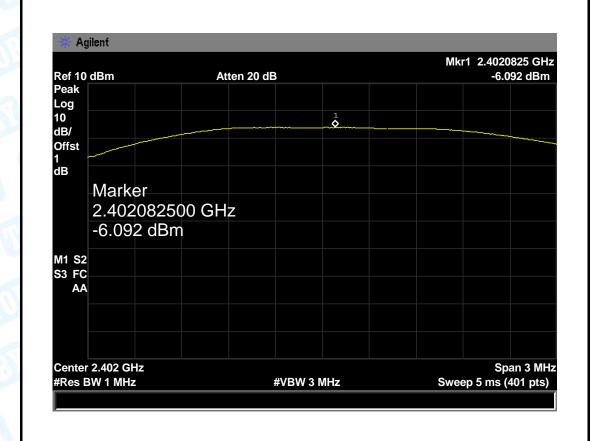


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8.5 Test Data

EUT:	iDISPLAY	TABLET	Model:		UIT313B-U01
Temperature:	25 ℃	- 170-	Relative	Humidity:	55%
Test Voltage:	AC 120V/	60Hz	MILLE		A File
Test Mode:	BLE TX M	lode			3 7
Channel frequen	cy (MHz)	Test Result (c	IBm)	Lin	nit (dBm)
2402		-6.092			
2442		-6.316			30
2480		-6.641			
		BLE Mode	9		

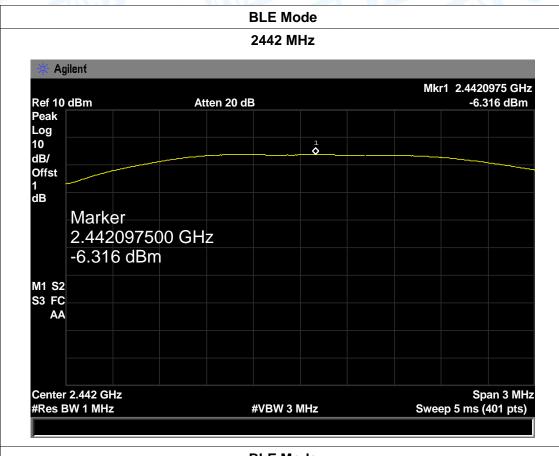
2402 MHz

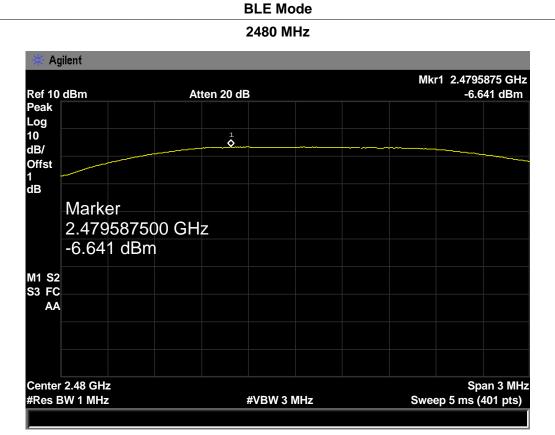






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9. Power Spectral Density Test

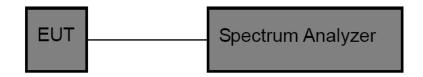
9.1 Test Standard and Limit

9.1.1 Test Standard FCC Part 15.247 (e)

9.1.2 Test Limit

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

9.2 Test Setup



9.3 Test Procedure

The EUT was directly connected to the Spectrum Analyzer and antenna output port as show in the block diagram above. The measurement according to section 10.2 of KDB 558074 D01 DTS Meas Guidance v03r03.

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

9.4 EUT Operating Condition

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



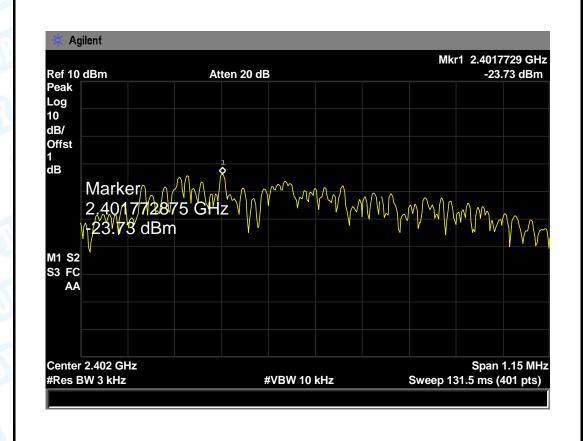
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8.5 Test Data

EUT:	iDISPLAY TABLET		Model:	UIT313B-U01		
Temperature:	25 ℃		Relative Humidity:	55%		
Test Voltage:	AC 120V/	60Hz		CONTRACT OF		
Test Mode:	BLE TX M	BLE TX Mode				
Channel Frequency	uency	Power Density		Limit		
(MHz)		(3 kHz/dBr	n)	(dBm)		
2402		-23.73				
2442 -23.78		-23.78		8		
2480 -23.94						
RI F Mode						

0400 8411-

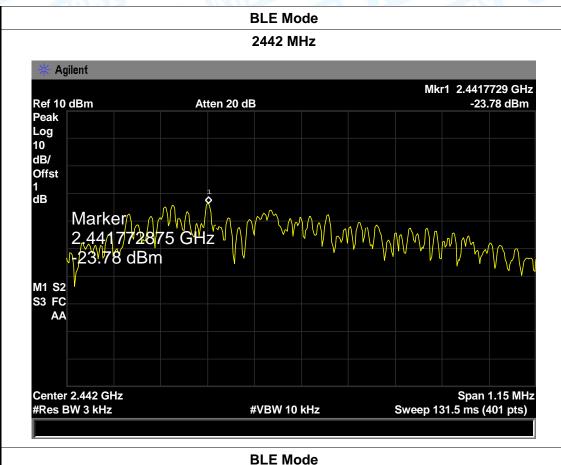
2402 MHz

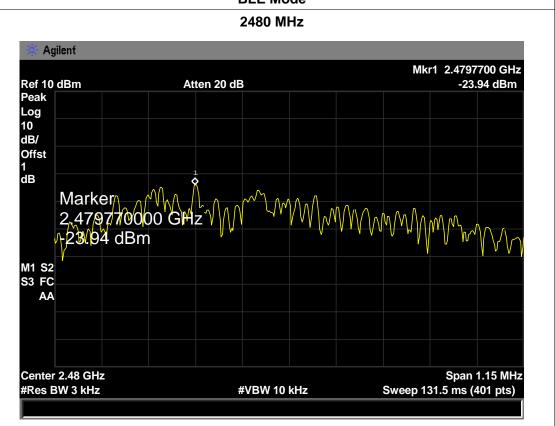






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10. Antenna Requirement

10.1 Standard Requirement

10.1.1 Standard FCC Part 15.203

10.1.2 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.

10.2 Antenna Connected Construction

The directional gains of the antenna used for transmitting is 1.66 dBi, and the antenna de-signed with permanent attachment and no consideration of replacement. Please see the EUT photo for details.

10.3 Result

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

Antenna Type	
▶ Permanent attached antenna	TIM
□ Unique connector antenna	
☐ Professional installation antenna	11.