

Shenzhen Toby Technology Co., Ltd.

Report No.: TB-FCC146766

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FCC Radio Test Report FCC ID: Y34-UITBSM

FCC Class II Permissive Change

Report No. : TB-FCC146766

Applicant : Outform Ltd

Equipment Under Test (EUT)

EUT Name : 32"IDISPLAY

Model No. : UIT232B-B06

Series No. : Please see the page of 4

Brand Name : N/A

Receipt Date : 2016-01-22

Test Date : 2016-01-22 to 2015-01-25

Issue Date : 2016-01-26

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

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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 : R405, East, Buliding 203, Tai Ran Industrial Zone, Chengongmiao,

Futian, Shenzhen, China

Manufacturer : Outform Ltd

Address: R405, East, Buliding 203, Tai Ran Industrial Zone, Chengongmiao,

Futian, Shenzhen, China

1.2 General Description of EUT (Equipment Under Test)

EUT Name		32"IDISPLAY				
Models No.	?	UIT306X-XYY, UIT332X	-XYY, UIT213X-XYY, UIT310X-XYY, -XYY, UIT432X-XYY (The 1st X is "A" or "B"			
Model Difference	Y	represents the software YY is client number from	version; The 2nd X is A-Z represents the color; n "01" to "50".)			
	÷	: They are identical in circuitry design, PCB layout, electrical				
Difference		components used, interr	nal wiring and functions, only different on color.			
Product Description		Operation Frequency: BLE: 2402MHz~2480MH WIFI 802.11b/g/n(H20): 802.11n(H40): 242	2412MHz~2462MHz			
	0	Number of Channel:	Bluetooth 4.0 (BLE): 40 channels see note(3)			
	•	RF Output Power:	-0.114 dBm Conducted Power			
		Antenna Gain:	2.12 dBi Embedded Antenna			
		Modulation Type:	GFSK			
		Bit Rate of Transmitter:	1Mbps(GFSK)			
Power Supply		DC power supplied by S	witching Adapter.			
Power Rating	:	Switching Adapter: Input:100~240V, 50/60Hz 1.5A Max Output:12V, 5000mA				
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.
- (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.



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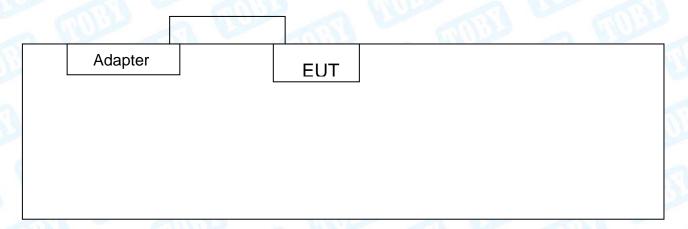
(3) Antenna information provided by the applicant.

(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
F	inal Test Mode	Description
N	Node 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		Realtek MP Test	
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 UD



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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

	FCC Par	t 15 Subpart C(15.247)/RSS 247	Issue 1	
Standa	rd Section	Tool How	Muslama and	Domork
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 Note(3)
15.247(b)	RSS 247 5.4 (4)	Peak Output Power	PASS	N/A Note(3)
15.247(e)	RSS 247 5.2 (2)	Power Spectral Density	PASS	N/A Note(3)
15.247(d)	RSS 247 5.5	Transmitter Radiated Spurious Emission	PASS	N/A

Note (1): "/" for no requirement for this test item.

^{(2):} N/A is an abbreviation for Not Applicable.

^{(3):} This report is Class II change report for the original equipment have changed, the transmitter module itself has not changed. More information about the test data please refer to the original test report.



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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

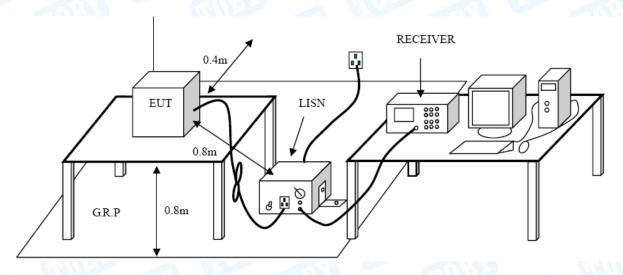
Conducted Emission Test Limit

Ereguenev	Maximum RF Lin	e 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.





UT:	32"IDISPLAY		Model Name	e:	UIT2	32B-B06
emperature:	25 ℃	30	Relative Hu	midity:	55%	Am
est Voltage:	AC 120V/60Hz		180	(FI	11,373	
erminal:	Line	A A MAIN				
est Mode:	AC Charging wit	th TX BLE I	Mode 2402M	Hz	0	The same
Remark:	Only worse case	e is reporte	d		33	
90.0 dBuV					QP:	
40	Jynn Jyn yw	proposporom Season	Mark Market Mark	A STATE OF THE STA	AVG	
0						^^
0.150	0.5 Reading	(MHz)	5 Measure-			30.000
0.150	Reading req. Level	(MHz) Correct Factor	Measure- ment	Limit	Over	
0.150 No. Mk. Fi	Reading	Correct	Measure-	Limit	Over	
0.150 No. Mk. Fi M 1 0.1	Reading Level Hz dBuV 539 37.46	Correct Factor	Measure- ment	dBu∨ 65.78 -	dB -18.39	30.000
0.150 No. Mk. From Market 1 0.1 2 0.1	Reading Level 1Hz dBuV 539 37.46 539 18.31	Correct Factor dB 9.93	Measure- ment dBuV 47.39 28.24	dBu∨ 65.78 - 55.78 -	dB -18.39 -27.54	30.000 Detector QP AVG
0.150 No. Mk. Fi 1 0.1 2 0.1 3 0.3	Reading Level 1Hz dBuV 539 37.46 539 18.31 180 29.09	Correct Factor dB 9.93 9.93	Measure- ment dBuV 47.39 28.24 39.11	dBuV 65.78 - 55.78 - 59.76 -	dB -18.39 -27.54 -20.65	30.000 Detector QP AVG
0.150 No. Mk. From Mo. 1 1 0.1 2 0.1 3 0.3 4 0.3	Reading Level 1Hz dBuV 539 37.46 539 18.31 180 29.09 180 19.78	Correct Factor dB 9.93 9.93 10.02 10.02	Measure- ment dBuV 47.39 28.24 39.11 29.80	dBuV 65.78 - 55.78 - 59.76 - 49.76 -	dB -18.39 -27.54 -20.65 -19.96	30.000 Detector QP AVG QP AVG
0.150 No. Mk. Fi 1 0.1 2 0.1 3 0.3 4 0.3 5 0.5	Reading Level 1Hz dBuV 539 37.46 539 18.31 180 29.09 180 19.78 899 29.22	Correct Factor dB 9.93 9.93 10.02 10.02	Measure- ment dBuV 47.39 28.24 39.11 29.80 39.28	dBuV 65.78 - 55.78 - 49.76 - 56.00 -	dB -18.39 -27.54 -20.65 -19.96 -16.72	Journal Services AVG QP AVG QP
0.150 No. Mk. From Mark 1 0.1 2 0.1 3 0.3 4 0.3 5 0.5 6 0.5	Reading Level 1Hz dBuV 539 37.46 539 18.31 180 29.09 180 19.78 899 29.22 899 21.39	Correct Factor dB 9.93 9.93 10.02 10.02 10.06	Measure- ment dBuV 47.39 28.24 39.11 29.80 39.28 31.45	dBuV 65.78 - 55.78 - 59.76 - 49.76 - 56.00 - 46.00 -	dB -18.39 -27.54 -20.65 -19.96 -16.72 -14.55	Detector QP AVG QP AVG QP AVG
0.150 No. Mk. From Mark 1 0.1 2 0.1 3 0.3 4 0.3 5 0.5 6 0.5 7 1.1	Reading Level 1Hz dBuV 539 37.46 539 18.31 180 29.09 180 19.78 899 29.22 899 21.39 260 26.14	Correct Factor dB 9.93 9.93 10.02 10.02 10.06 10.06	Measurement dBuV 47.39 28.24 39.11 29.80 39.28 31.45 36.20	dBuV 65.78 - 55.78 - 49.76 - 56.00 - 56.00 -	dB -18.39 -27.54 -20.65 -19.96 -16.72 -14.55 -19.80	Journal Street, 1987 AVG QP AVG QP
0.150 No. Mk. From Market 1	Reading Level 1Hz dBuV 539 37.46 539 18.31 180 29.09 180 19.78 899 29.22 899 21.39	Correct Factor dB 9.93 9.93 10.02 10.02 10.06	Measure- ment dBuV 47.39 28.24 39.11 29.80 39.28 31.45	dBuV 65.78 - 55.78 - 59.76 - 49.76 - 56.00 - 46.00 -	dB -18.39 -27.54 -20.65 -19.96 -16.72 -14.55 -19.80	January Januar
0.150 No. Mk. From Mark 1 0.1 2 0.1 3 0.3 4 0.3 5 0.5 6 0.5 7 1.1 8 1.1	Reading Level 1Hz dBuV 539 37.46 539 18.31 180 29.09 180 19.78 899 29.22 899 21.39 260 26.14	Correct Factor dB 9.93 9.93 10.02 10.02 10.06 10.06	Measurement dBuV 47.39 28.24 39.11 29.80 39.28 31.45 36.20	dBuV 65.78 - 55.78 - 49.76 - 56.00 - 56.00 -	dB -18.39 -27.54 -20.65 -19.96 -16.72 -14.55 -19.80 -16.63	Journal Street, 1987 AVG QP AVG QP
0.150 No. Mk. From Mark 1 0.1 2 0.1 3 0.3 4 0.3 5 0.5 6 0.5 7 1.1 8 1.1 9 2.1	Reading Level Hz dBuV 539 37.46 539 18.31 180 29.09 180 19.78 899 29.22 899 21.39 260 26.14 260 19.31	Correct Factor dB 9.93 9.93 10.02 10.02 10.06 10.06 10.06	Measurement dBuV 47.39 28.24 39.11 29.80 39.28 31.45 36.20 29.37	dBuV 65.78 - 55.78 - 59.76 - 49.76 - 56.00 - 46.00 - 56.00 -	dB -18.39 -27.54 -20.65 -19.96 -16.72 -14.55 -19.80 -16.63	January Januar
No. Mk. From Mark 1 0.1 2 0.1 3 0.3 4 0.3 5 0.5 6 0.5 7 1.1 8 1.1 9 2.1	Reading Level Hz dBuV 539 37.46 539 18.31 180 29.09 180 19.78 899 29.22 899 21.39 260 26.14 260 19.31 260 24.91 260 17.25	Correct Factor dB 9.93 9.93 10.02 10.06 10.06 10.06 10.06	Measurement dBuV 47.39 28.24 39.11 29.80 39.28 31.45 36.20 29.37 34.97	dBuV 65.78 - 55.78 - 59.76 - 49.76 - 56.00 - 46.00 - 56.00 -	dB -18.39 -27.54 -20.65 -19.96 -16.72 -14.55 -19.80 -16.63 -21.03 -18.69	30.000 Detector QP AVG QP AVG QP AVG QP AVG





EUT:	32"IDISPLAY		Model Name):	UIT232E	B-B06
Temperature:	25 ℃	33	Relative Hur	nidity:	55%	Albert
Гest Voltage:	AC 120V/60Hz	100	80	(61)	TI'S	
Terminal:	Neutral	A MAG		1 6	The same of	
Test Mode:	AC Charging wit	th TX BLE N	Node 2402MH	lz	~ N	KILL
Remark:	Only worse case	e is reported			35	
90.0 dBuV						
					QP: AVG:	
N. X					×	
40			v	- Miller	pypervendent	
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	0.5	(MHz)	Made de la constitución de la co	arter of the		
-10	0.5	(MHz)	M. Barren per control	artifel 6 T		30.000
0.150	Reading	Correct	Measure-	Limit	Over	
0.150	Reading eq. Level				Over	
0.150 No. Mk. Fr	Reading eq. Level	Correct Factor	Measure- ment	Limit dBuV		30.000
0.150 No. Mk. Fro	Reading eq. Level Hz dBuV 580 41.41	Correct Factor	Measure- ment	Limit dBu√ 65.56	dB	30.000 Detector
0.150 No. Mk. From MH	Reading Level Hz dBuV 580 41.41	Correct Factor dB 10.12	Measure- ment dBuV 51.53	dBuV 65.56 55.56	dB -14.03	30.000 Detector
0.150 No. Mk. From Mt. 1 * 0.15 2 0.15	Reading Level Hz dBuV 580 41.41 580 25.36 220 33.42	Correct Factor dB 10.12	Measure- ment dBuV 51.53 35.48	dBuV 65.56 55.56 62.74	dB -14.03 -20.08	30.000 Detector QP AVG
0.150 No. Mk. From Min 1 * 0.15 2 0.15 3 0.22	Reading Level Hz dBuV 580 41.41 580 25.36 220 33.42 220 17.41	Correct Factor dB 10.12 10.12	Measure- ment dBuV 51.53 35.48 43.53	dBuV 65.56 55.56 62.74 52.74	dB -14.03 -20.08 -19.21	30.000 Detector QP AVG
0.150 No. Mk. From Miles 1 * 0.15 2 0.15 3 0.22 4 0.22	Reading Level Hz dBuV 580 41.41 580 25.36 220 33.42 220 17.41 740 26.94	Correct Factor dB 10.12 10.12 10.11	Measure- ment dBuV 51.53 35.48 43.53 27.52	Limit dBuV 65.56 55.56 62.74 52.74 58.41	dB -14.03 -20.08 -19.21 -25.22	30.000 Detector QP AVG
No. Mk. From MH 1 * 0.15 2 0.15 3 0.22 4 0.22 5 0.37	Reading Level Hz dBuV 580 41.41 580 25.36 220 33.42 220 17.41 740 26.94 740 19.20	Correct Factor dB 10.12 10.12 10.11 10.11	Measurement dBuV 51.53 35.48 43.53 27.52 37.00	Limit dBu√ 65.56 55.56 62.74 52.74 58.41 48.41	dB -14.03 -20.08 -19.21 -25.22 -21.41	30.000 Detector QP AVG QP AVG
0.150 No. Mk. From Min 1 * 0.15 2 0.15 3 0.22 4 0.22 5 0.37 6 0.37	Reading Level Hz dBuV 580 41.41 580 25.36 220 33.42 220 17.41 740 26.94 740 19.20 580 25.05	Correct Factor dB 10.12 10.12 10.11 10.11 10.06 10.06	Measurement dBuV 51.53 35.48 43.53 27.52 37.00 29.26	Limit dBuV 65.56 55.56 62.74 52.74 58.41 48.41 56.00	dB -14.03 -20.08 -19.21 -25.22 -21.41 -19.15	JOURN STATE OF THE PROPERTY OF
0.150 No. Mk. From Minute 1 * 0.15 2 0.15 3 0.22 4 0.22 5 0.37 6 0.37 7 0.65	Reading Level Hz dBuV 580 41.41 580 25.36 220 33.42 220 17.41 740 26.94 740 19.20 580 25.05 580 12.59	Correct Factor dB 10.12 10.12 10.11 10.11 10.06 10.06 10.02	Measurement dBuV 51.53 35.48 43.53 27.52 37.00 29.26 35.07	Limit dBuV 65.56 55.56 62.74 52.74 58.41 48.41 56.00 46.00	dB -14.03 -20.08 -19.21 -25.22 -21.41 -19.15 -20.93	JOURN STATE OF THE PROPERTY OF
0.150 No. Mk. From MH 1 * 0.15 2 0.15 3 0.22 4 0.22 5 0.37 6 0.37 7 0.65 8 0.65	Reading Level Hz dBuV 580 41.41 580 25.36 220 33.42 220 17.41 740 26.94 740 19.20 580 25.05 580 12.59	Correct Factor dB 10.12 10.12 10.11 10.11 10.06 10.06 10.02 10.02	Measurement dBuV 51.53 35.48 43.53 27.52 37.00 29.26 35.07 22.61	bimit dBuV 65.56 55.56 62.74 58.41 48.41 56.00 46.00 56.00	-14.03 -20.08 -19.21 -25.22 -21.41 -19.15 -20.93 -23.39	JOURN STATE OF THE PROPERTY OF
0.150 No. Mk. From Minus 1 * 0.15 2 0.15 3 0.22 4 0.22 5 0.37 6 0.37 7 0.65 8 0.65 9 3.29	Reading Level Hz dBuV 580 41.41 580 25.36 220 33.42 220 17.41 740 26.94 740 19.20 580 25.05 580 12.59 900 15.85	Correct Factor dB 10.12 10.12 10.11 10.06 10.06 10.02 10.02 10.06	Measurement dBuV 51.53 35.48 43.53 27.52 37.00 29.26 35.07 22.61 25.91	bimit dBuV 65.56 55.56 62.74 52.74 58.41 48.41 56.00 46.00 46.00	-14.03 -20.08 -19.21 -25.22 -21.41 -19.15 -20.93 -23.39 -30.09	JOURN STANDS OF THE PROPERTY O



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EUT:	32"IE	DISPLAY		Model Na	me :	UIT2	232B-B06
Temperature:	25 °C		a W	Relative I	Humidity	: 55%	
Test Voltage:	AC 2	40V/60Hz		2 BAG		1	ARIA
Terminal:	Line	1000		13	61	MIN TO SERVICE	
Test Mode:	AC C	harging with	n TX BLE M	ode 2402MH	·lz		TO THE
Remark:	Only	worse case	is reported	MILLE		ON Y	
90.0 dBuV			~\ ^{\\\} \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	VMMMM VMMMM	and the state of t	QP: AVG:	pea
V . VV	A - MA	" -					AVI
0.150	0.5	Reading	(MHz)	5 Measure-		Over	30.000
	Freq.	Level	(MHz) Correct Factor	Measure- ment	Limit	Over	30.000
0.150 No. Mk.	Freq.	Level dBuV	(MHz) Correct Factor	Measure- ment	Limit dBuV	dB	30.000 Detector
0.150 No. Mk.	Freq. MHz 0.1500	dBu V 45.71	Correct Factor	Measure- ment dBuV 55.63	Limit dBuV 65.99	dB -10.36	30.000 Detector QP
0.150 No. Mk. 1 2	Freq. MHz 0.1500	dBuV 45.71 35.54	(MHz) Correct Factor dB 9.92 9.92	Measure- ment dBuV 55.63 45.46	Limit dBuV 65.99 55.99	dB -10.36 -10.53	30.000 Detector QP AVG
0.150 No. Mk. 1 2 3	Freq. MHz 0.1500 0.1500 0.1500	45.71 35.54 39.39	Correct Factor dB 9.92 9.92 10.02	5 Measure- ment dBuV 55.63 45.46 49.41	Limit dBuV 65.99 55.99 63.69	dB -10.36 -10.53 -14.28	30.000 Detector QP AVG QP
0.150 No. Mk. 1 2 3 4	Freq. MHz 0.1500 0.1500 0.1980 0.1980	dBuV 45.71 35.54 39.39 32.12	(MHz) Correct Factor dB 9.92 9.92 10.02	5 Measurement dBuV 55.63 45.46 49.41 42.14	Limit dBuV 65.99 55.99 63.69 53.69	dB -10.36 -10.53 -14.28 -11.55	30.000 Detector QP AVG QP AVG
0.150 No. Mk. 1 2 3 4 5	Freq. MHz 0.1500 0.1500 0.1980 0.1980 0.5020	dBuV 45.71 35.54 39.39 32.12 31.25	(MHz) Correct Factor dB 9.92 9.92 10.02 10.02 10.02	5 Measure- ment dBuV 55.63 45.46 49.41 42.14 41.27	Limit dBuV 65.99 55.99 63.69 53.69 56.00	dB -10.36 -10.53 -14.28 -11.55 -14.73	Joseph Jo
0.150 No. Mk. 1 2 3 4 5	Freq. MHz 0.1500 0.1500 0.1980 0.1980 0.5020	45.71 35.54 39.39 32.12 31.25 25.17	(MHz) Correct Factor dB 9.92 9.92 10.02 10.02 10.02	5 Measurement dBuV 55.63 45.46 49.41 42.14 41.27 35.19	Limit dBuV 65.99 55.99 63.69 53.69 56.00 46.00	dB -10.36 -10.53 -14.28 -11.55 -14.73 -10.81	Journal Street, 1987 AVG AVG AVG AVG
0.150 No. Mk. 1 2 3 4 5 6 7	Freq. MHz 0.1500 0.1500 0.1980 0.1980 0.5020 0.5020 0.6500	45.71 35.54 39.39 32.12 31.25 25.17 31.02	(MHz) Correct Factor dB 9.92 9.92 10.02 10.02 10.02 10.02	5 Measurement dBuV 55.63 45.46 49.41 42.14 41.27 35.19 41.11	Limit dBuV 65.99 55.99 63.69 53.69 56.00 46.00	dB -10.36 -10.53 -14.28 -11.55 -14.73 -10.81 -14.89	Joseph Jo
0.150 No. Mk. 1 2 3 4 5 6 7 8 *	Freq. MHz 0.1500 0.1500 0.1980 0.1980 0.5020 0.5020 0.6500 0.6500	dBuV 45.71 35.54 39.39 32.12 31.25 25.17 31.02 25.67	(MHz) Correct Factor dB 9.92 9.92 10.02 10.02 10.02 10.02 10.09	5 Measure- ment dBuV 55.63 45.46 49.41 42.14 41.27 35.19 41.11 35.76	Limit dBuV 65.99 55.99 63.69 56.00 46.00 46.00	dB -10.36 -10.53 -14.28 -11.55 -14.73 -10.81 -14.89 -10.24	Joseph Jo
0.150 No. Mk. 1 2 3 4 5 6 7 8 *	Freq. MHz 0.1500 0.1500 0.1980 0.1980 0.5020 0.5020 0.6500 0.6500 1.4700	ABuV 45.71 35.54 39.39 32.12 31.25 25.17 31.02 25.67 30.07	(MHz) Correct Factor dB 9.92 9.92 10.02 10.02 10.02 10.09 10.09 10.06	5 Measurement dBuV 55.63 45.46 49.41 42.14 41.27 35.19 41.11 35.76 40.13	Limit dBuV 65.99 55.99 63.69 56.00 46.00 56.00 56.00	dB -10.36 -10.53 -14.28 -11.55 -14.73 -10.81 -14.89 -10.24 -15.87	JOURNAL STATE OF THE PROPERTY
0.150 No. Mk. 1 2 3 4 5 6 7 8 * 9 10	Freq. MHz 0.1500 0.1500 0.1980 0.1980 0.5020 0.5020 0.6500 0.6500	dBuV 45.71 35.54 39.39 32.12 31.25 25.17 31.02 25.67	(MHz) Correct Factor dB 9.92 9.92 10.02 10.02 10.02 10.02 10.09	5 Measure- ment dBuV 55.63 45.46 49.41 42.14 41.27 35.19 41.11 35.76	Limit dBuV 65.99 55.99 63.69 56.00 46.00 46.00	dB -10.36 -10.53 -14.28 -11.55 -14.73 -10.81 -14.89 -10.24 -15.87 -12.68	JOURN

x:Over limit !:over margin

*:Maximum data



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	3			
EUT:	32"IDISPLAY	M	odel Name :	UIT232B-B06
Temperature:	25 ℃	R	elative Humidity:	55%
Test Voltage:	AC 240V/60Hz)	diam	10
Terminal:	Neutral	100	CIII	100
Test Mode:	AC Charging with T	X BLE Mode	2402MHz	
Remark:	Only worse case is	reported	Miles	3 13
90.0 dBuV	<u>'</u>			
				QP: —
*				
W *			Alla.	S
40	X		And the state of t	AND THE PROPERTY OF THE PROPER
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A A DA AA M	AN JAMA LAMBAN KATAMA	MAAAAA	1 AMMONTONIA MARINI	peak
				AVG
10				
0.150	0.5	(MHz)	5	30.000
	D "	.		
No. Mk.	Reading (Freq. Level		easure- ment Limit	Over
	MHz dBuV	dB (dBuV dBuV	dB Detector

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∨	dB	dBu∨	dBu∨	dB	Detector
1	*	0.1500	46.88	10.12	57.00	65.99	-8.99	QP
2		0.1500	29.94	10.12	40.06	55.99	-15.93	AVG
3		0.1980	39.87	10.12	49.99	63.69	-13.70	QP
4		0.1980	27.59	10.12	37.71	53.69	-15.98	AVG
5		0.2460	32.97	10.10	43.07	61.89	-18.82	QP
6		0.2460	20.61	10.10	30.71	51.89	-21.18	AVG
7		0.6060	22.54	10.02	32.56	56.00	-23.44	QP
8		0.6060	10.63	10.02	20.65	46.00	-25.35	AVG
9		0.6780	23.53	10.02	33.55	56.00	-22.45	QP
10		0.6780	13.10	10.02	23.12	46.00	-22.88	AVG
11		12.1860	33.71	10.12	43.83	60.00	-16.17	QP
12		12.1860	28.60	10.12	38.72	50.00	-11.28	AVG

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



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

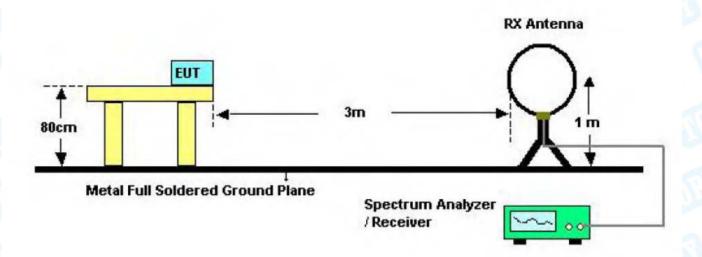
Note:

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

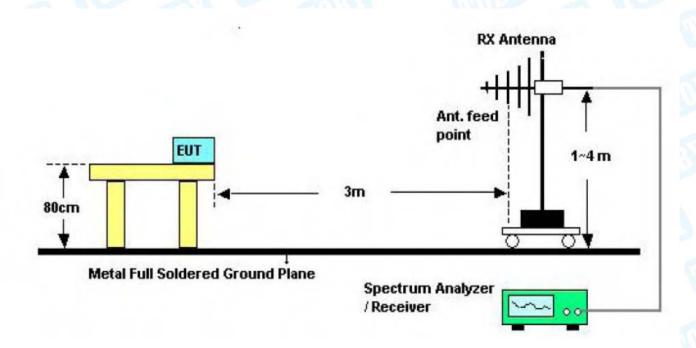


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5.2 Test Setup



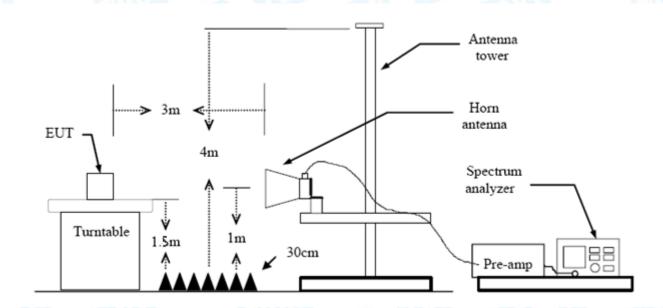
Below 30MHz Test Setup



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.

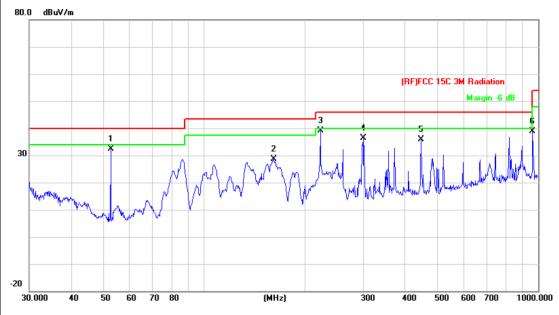
5.5 Test Data

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=1 kHz with Peak Detector for Average Values.

Test data please refer the following pages.



١	EUT:	32"IDISPLAY	Model:	UIT232B-B06
	Temperature:	25 ℃	Relative Humidity:	55%
	Test Voltage:	AC 120V/60Hz		13
	Ant. Pol.	Horizontal		
	Test Mode:	BLE TX 2402 Mode		ABOVE
	Remark:	Only worse case is reported		
		•		

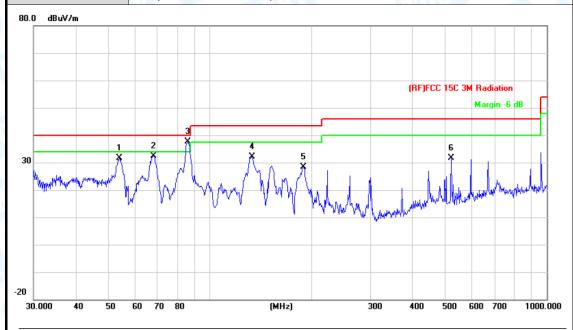


No	. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		52.5753	56.79	-24.43	32.36	40.00	-7.64	peak
2		161.4742	49.21	-20.61	28.60	43.50	-14.90	peak
3	*	222.9502	58.64	-19.40	39.24	46.00	-6.76	peak
4		299.3158	53.40	-17.10	36.30	46.00	-9.70	peak
5		446.4141	48.45	-12.53	35.92	46.00	-10.08	peak
6		962.1623	43.73	-4.84	38.89	54.00	-15.11	peak

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



		A11/11/1	LI MILLION
EUT:	32"IDISPLAY	Model:	UIT232B-B06
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	BLE TX 2402 Mode		
Remark:	Only worse case is repo	orted	133

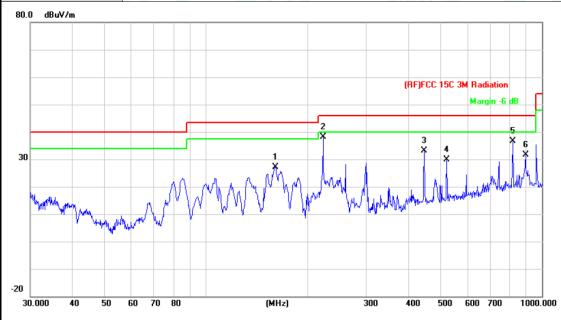


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		53.8817	56.07	-24.45	31.62	40.00	-8.38	peak
2		68.1512	56.27	-23.78	32.49	40.00	-7.51	peak
3	*	85.8983	60.65	-22.94	37.71	40.00	-2.29	peak
4		133.6187	54.27	-22.10	32.17	43.50	-11.33	peak
5		189.7384	49.28	-20.90	28.38	43.50	-15.12	peak
6		520.8881	41.97	-10.40	31.57	46.00	-14.43	peak

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



EUT:	32"IDISPLAY	Model:	UIT232B-B06
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz	The same	
Ant. Pol.	Horizontal		
Test Mode:	BLE TX 2442 Mode	WILD ST	HALL
Remark:	Only worse case is reported		5
80.0 dBuV/m			



N	o. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	O∨er	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		160.9089	47.67	-20.57	27.10	43.50	-16.40	peak
2	*	222.9502	57.57	-19.40	38.17	46.00	-7.83	peak
3		446.4141	45.57	-12.53	33.04	46.00	-12.96	peak
4		520.8882	40.24	-10.40	29.84	46.00	-16.16	peak
5		818.8341	42.86	-6.34	36.52	46.00	-9.48	peak
6		893.8567	36.93	-5.30	31.63	46.00	-14.37	peak

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



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100	100			

EUT:	32"ID	ISPLAY	M	odel:		UIT232B-E	306
Temperature:	25 ℃	Carl	Re	elative Humi	dity:	55%	
Test Voltage:	AC 12	0V/60Hz	1000	11	(A)	1133	
Ant. Pol.	Vertica	al	AHIL		1 63		TIP.
Test Mode:	BLE T	X 2442 Mod	de	MILE		2 111	No.
Remark:	Only v	vorse case	is reported	-	CITI'	13	
80.0 dBuV/m							
					(RF)FCC	ISC 3M Radiation	
						Margin -6	dB [
		3					
30	1 2 X 1	Ä	4 % 5			6	
Market aller aller	ΛM	/	Arm X				
delander by down	VW	/ W\\\\	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Sa La. II.	Mulana	Mary of syndron and Prophysics	Mary healt
	' '	1 0 00	Y •	L.M. Konderdan Arte In Philipsin	MACHINANA		
-20							
30.000 40 50	60 70	80	(MHz)	300	400 5	00 600 700	1000.00
		Reading	Correct	Measure-			
No. Mk. F	req.	Level	Factor	ment	Limit	Over	
N	ИНz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detecto
1 53.	8817	55.94	-24.45	31.49	40.00	-8.51	peak
2 67.	9128	57.00	-23.80	33.20	40.00	-6.80	peak
3 * 85.	8983	59.84	-22.94	36.90	40.00	-3.10	peak
4 133	.1511	54.20	-22.12	32.08	43.50	-11.42	peak
5 189	.0741	49.18	-20.88	28.30	43.50	-15.20	peak
6 520	.8881	41.11	-10.40	30.71	46.00	-15.29	peak



TOBY	dino		
Mary Control		enin.	

EUT:	32"IDISPLAY	Model:	UIT232B-B06
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		30
Ant. Pol.	Horizontal		
Test Mode:	BLE TX 2480 Mode		A RIVER
Remark:	Only worse case is reported		3 _ 0
80.0 dBuV/m			
30		(RF)FCC 15C	3M Radiation Margin -6 dB
-20		Mary Mary Mary Mary Mary Mary Mary Mary	and was been all the second
Address of the Same Same Same Same Same Same Same Sam	60 70 80 (MHz)	300 400 500	600 700 1000.000
-20 30.000 40 50	, ,	300 400 500 Measure- ment Limit	600 700 1000.000 Over
-20 30.000 40 50	Reading Correct I eq. Level Factor	Measure-	
-20 30.000 40 50 No. Mk. Fr	Reading Correct I eq. Level Factor	Measure- ment Limit	Over
-20 30.000 40 50 No. Mk. Fr	Reading Correct I eq. Level Factor dBuV dB/m 984 51.15 -22.94	Measure- ment Limit dBuV/m dBuV/m	Over dB Detector
No. Mk. From Miles 1 85.8	Reading Correct I Level Factor dBuV dB/m 984 51.15 -22.94 9502 58.78 -19.40	Measurement Limit dBuV/m dBuV/m 28.21 40.00	Over dB Detector -11.79 peak
No. Mk. From Mr. 1 85.8 2 * 222.9	Reading Correct I Factor dBuV dB/m 984 51.15 -22.94 9502 58.78 -19.40 6158 53.74 -17.10	Measurement Limit dBuV/m dBuV/m 28.21 40.00 39.38 46.00	Over dB Detector -11.79 peak -6.62 peak
No. Mk. From Mt 1 85.8 2 * 222.9 3 299.3	Reading Correct I Factor dBuV dB/m	Measurement Limit dBuV/m dBuV/m 28.21 40.00 39.38 46.00 36.64 46.00	Over dB Detector -11.79 peak -6.62 peak -9.36 peak

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



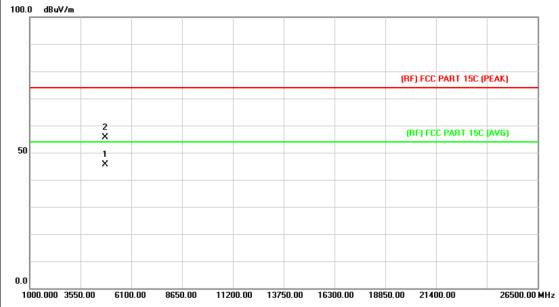


AC 120V/60Hz /ertical BLE TX 2480 Mode Only worse case is repo	ported 5	- (1)		
/ertical BLE TX 2480 Mode Only worse case is repo	orted	6	Margin -6 d	
BLE TX 2480 Mode Only worse case is repo	orted 5	6	Margin -6 d	
Only worse case is repo	orted	6	Margin -6 d	
3	orted 5	6	Margin -6 d	
a X	5 × × × × × × × × × × × × × × × × × × ×	6	Margin -6 d	
a X		6	Margin -6 d	
a X	M. M	6	Margin -6 d	
a X	M	6	Margin -6 d	
a X	Mary Mary Mary Mary Mary Mary Mary Mary			
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	May Mary Mary Mary Mary Mary Mary Mary M			www.
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	M by Maranhan James	malunder Judy	Karama da san a langa saga saga sa	MWW.
V	V V Warry Harrison	White for a gold of the	N. C.	
V				
) 70 80 (M	Hz) 300	400 500	0 600 700	1000.0
Reading Corr	ect Measure-			
-		Limit	Over	
dBuV dB/r	m dBuV/m	dBuV/m	dB I	Detect
1 55.95 -24.	44 31.51	40.00	-8.49	peal
8 56.28 -23.	80 32.48	40.00	-7.52	peal
1 60.09 -22.9	92 37.17	40.00	-2.83	peal
11 54.12 -22.	12 32.00	43.50	-11.50	peal
58 43.10 -17.	10 26.00	46.00	-20.00	peal
31 42.91 -10.	40 32.51	46.00	-13.49	peal
	. Level Face dBuV dB/r 1 55.95 -24.68 56.28 -23.88 1 60.09 -22.88 1 54.12 -22.68 58 43.10 -17.68 1 1 1 1 1 1 1 1 1	Level Factor ment dBuV dB/m dBuV/m 55.95 -24.44 31.51 8 56.28 -23.80 32.48 1 60.09 -22.92 37.17 11 54.12 -22.12 32.00 58 43.10 -17.10 26.00 31 42.91 -10.40 32.51	Level Factor ment Limit dBuV dB/m dBuV/m dBuV/m d1 55.95 -24.44 31.51 40.00 d8 56.28 -23.80 32.48 40.00 d1 60.09 -22.92 37.17 40.00 d1 54.12 -22.12 32.00 43.50 d2 43.10 -17.10 26.00 46.00 d3 42.91 -10.40 32.51 46.00	Level Factor ment Limit Over dBuV dB/m dBuV/m dBuV/m dB 31 55.95 -24.44 31.51 40.00 -8.49 28 56.28 -23.80 32.48 40.00 -7.52 31 60.09 -22.92 37.17 40.00 -2.83 31 54.12 -22.12 32.00 43.50 -11.50 38 43.10 -17.10 26.00 46.00 -20.00 31 42.91 -10.40 32.51 46.00 -13.49



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EUT:	32"IDISPLAY	Model:	UIT232B-B06				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60Hz						
Ant. Pol.	Horizontal	U					
Test Mode:	BLE Mode TX 2402 MHz	WIII DE	2				
Remark:	No report for the emission which more than 10 dB below the						
prescribed limit.							

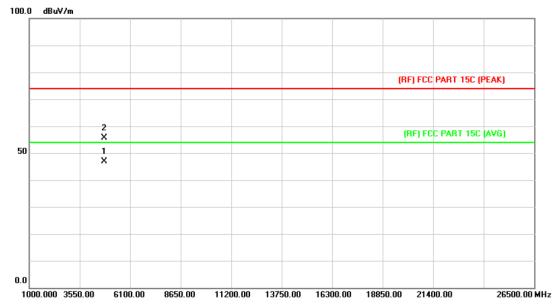


1	۷o.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
			MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		*	4803.698	32.25	13.44	45.69	54.00	-8.31	AVG
2			4804.614	42.21	13.44	55.65	74.00	-18.35	peak



Page: 27 of 38

EUT:	32"IDISPLAY	Model:	UIT232B-B06					
Temperature:	25 ℃	Relative Humidity:	55%					
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz						
Ant. Pol.	Vertical	Vertical						
Test Mode:	BLE Mode TX 2402 MHz		A WILLIAM					
Remark:	No report for the emission v	No report for the emission which more than 10 dB below the						
	prescribed limit.							
i								

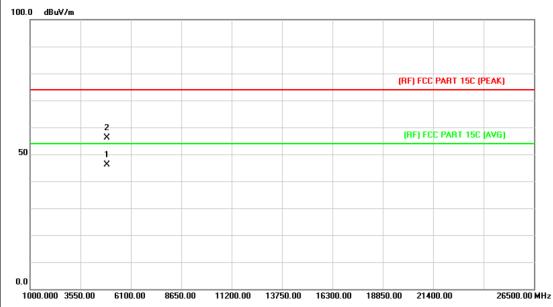


N	lo. Mk	Freq.	_	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4803.841	33.42	13.44	46.86	54.00	-7.14	AVG
2		4804.236	42.24	13.44	55.68	74.00	-18.32	peak



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EUT:	32"IDISPLAY	Model:	UIT232B-B06			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60Hz	ani	33			
Ant. Pol.	Horizontal					
Test Mode:	BLE Mode TX 2442 MHz		HILL			
Remark:	No report for the emission which more than 10 dB below the					
	prescribed limit.					

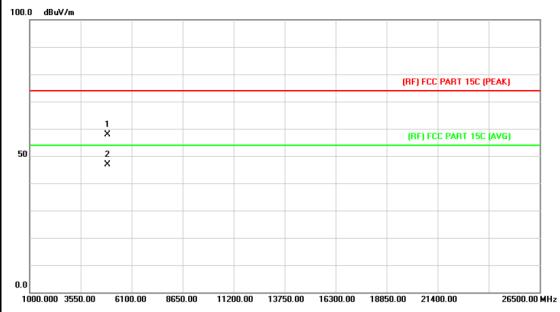


N	No.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
			MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		*	4884.261	32.29	13.92	46.21	54.00	-7.79	AVG
2			4884.351	42.32	13.92	56.24	74.00	-17.76	peak



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EUT:	32"IDISPLAY	Model:	UIT232B-B06					
Temperature:	25 ℃	Relative Humidity:	55%					
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz						
Ant. Pol.	Vertical	TO U						
Test Mode:	BLE Mode TX 2442 MHz	WID S	Jan Milliam					
Remark:	No report for the emission which more than 10 dB below the prescribed limit.							
100 0 JD-V/-								

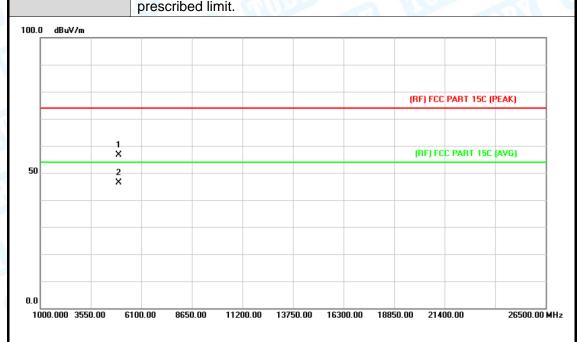


No	. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4883.954	44.06	13.92	57.98	74.00	-16.02	peak
2	*	4884.254	32.97	13.92	46.89	54.00	-7.11	AVG



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EUT:	32"IDISPLAY	Model:	UIT232B-B06				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60Hz	no T					
Ant. Pol.	Horizontal						
Test Mode:	BLE Mode TX 2480 MHz	BLE Mode TX 2480 MHz					
Remark:	No report for the emission wh	No report for the emission which more than 10 dB below the					

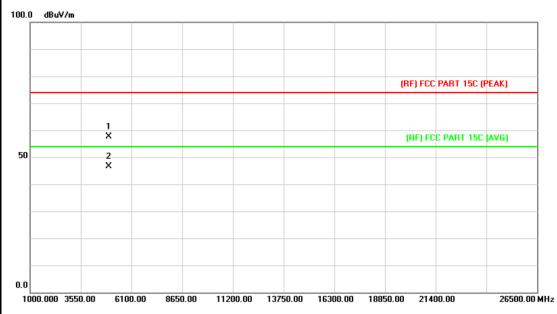


No	. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4959.321	42.32	14.36	56.68	74.00	-17.32	peak
2	*	4959.612	31.99	14.36	46.35	54.00	-7.65	AVG



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EUT:	32"IDISPLAY	Model:	UIT232B-B06					
Temperature:	25 ℃	Relative Humidity:	55%					
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz						
Ant. Pol.	Vertical	Vertical						
Test Mode:	BLE Mode TX 2480 MHz		A HILL					
Remark:	No report for the emission which more than 10 dB below the							
	prescribed limit.							
Í								



No	. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4959.562	43.32	14.36	57.68	74.00	-16.32	peak
2	*	4959.657	32.32	14.36	46.68	54.00	-7.32	AVG



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6. Restricted Bands Requirement

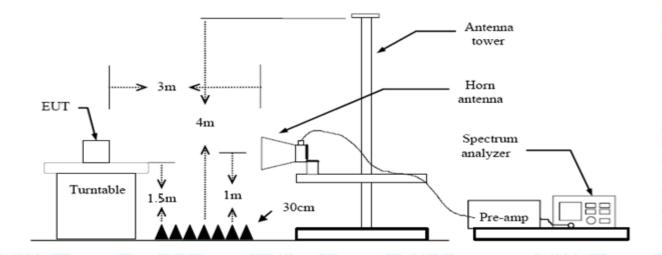
6.1 Test Standard and Limit

6.1.1 Test Standard FCC Part 15.209 FCC Part 15.205

6.1.2 Test Limit

Restricted Frequency	Class B (dB	suV/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=1kHz with Peak Detector for Average Values.

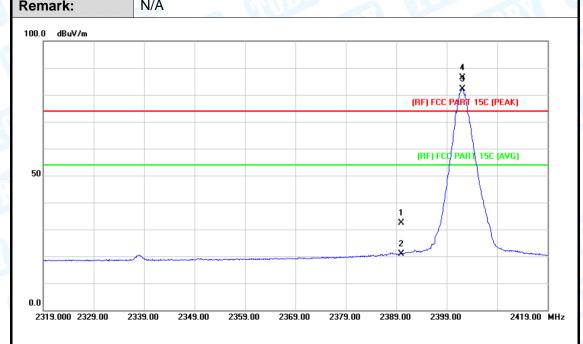
Test data please refer the following pages.



Report No.: TB-FCC146766
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(1) Radiation Test

EUT:	32"IDISPLAY	Model:	UIT232B-B06
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		A HILL
Test Mode:	BLE Mode TX 2402 MHz	1013	
Pomark:	Ν/Δ		

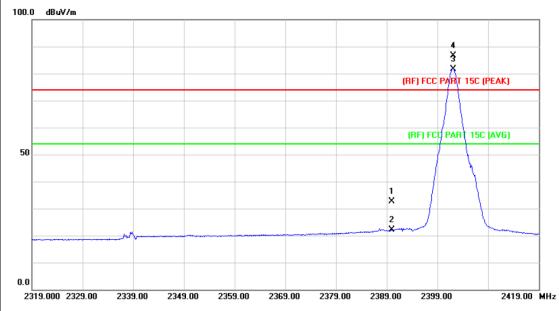


No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	O∨er	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	31.59	0.77	32.36	74.00	-41.64	peak
2		2390.000	20.04	0.77	20.81	54.00	-33.19	AVG
3	*	2402.100	81.29	0.82	82.11	Fundamental	Frequency	AVG
4	Х	2402.200	85.55	0.82	86.37	Fundamental	Frequency	peak



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EUT:	32"IDISPLAY	Model:	UIT232B-B06
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		339
Ant. Pol.	Vertical		
Test Mode:	BLE Mode TX 2402 MHz		A Alban
Remark:	N/A		
· · · · · · · · · · · · · · · · · · ·			·



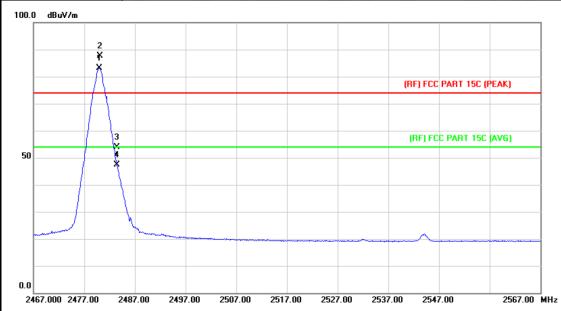
No	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	O∨er	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	31.91	0.77	32.68	74.00	-41.32	peak
2		2390.000	21.33	0.77	22.10	54.00	-31.90	AVG
3	*	2402.100	80.80	0.82	81.62	Fundamental	Frequency	AVG
4	Χ	2402.200	85.85	0.82	86.67	Fundamental	Frequency	peak



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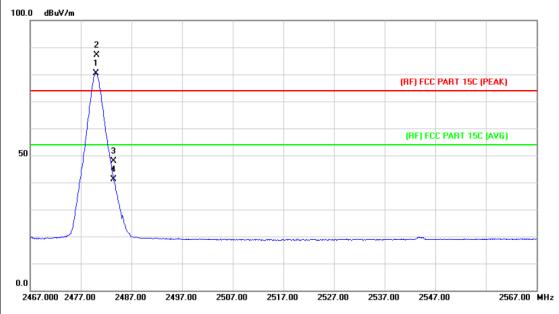
EUT:	32"IDISPLAY	Model:	UIT232B-B0 6			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60Hz					
Ant. Pol.	Horizontal	MINDS OF	CHILL			
Test Mode:	BLE Mode TX 2480 MHz					
Remark:	N/A	- W				



No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	2480.000	82.02	1.15	83.17	Fundamental F	requency	AVG
2	Х	2480.100	86.53	1.15	87.68	Fundamental Frequency		peak
3		2483.500	52.81	1.17	53.98	74.00	-20.02	peak
4		2483.500	46.21	1.17	47.38	54.00	-6.62	AVG



EUT:	32"IDISPLAY	Model:	UIT232B-B06
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	BLE Mode TX 2480 MHz	MILES	
Remark:	N/A		339



No	. Mk	. Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	2480.000	79.25	1.15	80.40	Fundamental F	requency	AVG
2	Х	2480.100	86.06	1.15	87.21	Fundamental F	requency	peak
3		2483.500	46.69	1.17	47.86	74.00	-26.14	peak
4		2483.500	39.88	1.17	41.05	54.00	-12.95	AVG



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7. Antenna Requirement

7.1 Standard Requirement

7.1.1 Standard FCC Part 15.203

7.1.2 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.

7.2 Antenna Connected Construction

The directional gains of the antenna used for transmitting is 2.12 dBi, and the antenna de-signed with permanent attachment and no consideration of replacement. Please see the EUT photo for details.

7.3 Result

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

Antenna Type	
▼ Permanent attached antenna	Will be
□ Unique connector antenna	EED.
☐ Professional installation antenna	