

Shenzhen Toby Technology Co., Ltd.

Report No.: TB-FCC145816 Page: 1 of 93

FCC Radio Test Report FCC ID: Y34-UITBSM

Original Grant

Report No. : TB-FCC145816

Applicant : Outform Ltd

Equipment Under Test (EUT)

EUT Name : 32"IDISPLAY

Model No. : UIT232B-B06

Series Model No. : Please see the page of 4

Brand Name : N/A

Receipt Date : 2015-10-22

Test Date : 2015-10-22 to 2015-10-28

Issue Date : 2015-10-29

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:

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.

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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	3	32"IDISPLAY	The same of the sa			
Models No.		UIT232B-B06, UIT232X-XYY, UIT213X-XYY, UIT310X-XYY,				
		UIT306X-XYY, UIT3	332X-XYY, UIT432X-XYY (The 1st X is "A" or "B"			
		represents the softw	vare version; The 2nd X is A-Z represents the color			
	9	YY is client number	from "01" to "50".)			
Model		They are identical in circuitry design, PCB layout, electrical				
Difference		components used, i	nternal wiring and functions, only different on color			
		Operation Frequency:				
		WIFI 802.11b/g/n(H	20): 2412MHz~2462MHz			
		802.11n(H40)	: 2422MHz~2452MHz			
		BLE: 2402MHz~2480MHz see note(2)				
		Number of	802.11b/g/n(HT20):11 channels see note(3)			
		Channel:	802.11n(HT40): 9 channels see note(3)			
		RF Output Power:	802.11b: 19.64dBm			
Product			802.11g: 18.02dBm			
Description	Ŀ		802.11n (HT20): 16.95dBm			
THE PARTY OF		THE PARTY OF THE P	802.11n (HT40): 14.23dBm			
	6	Antenna Gain:	2.12 dBi Embedded Antenna			
		Modulation Type:	802.11b:DSSS(CCK, DQPSK, DBPSK)			
		THURSDAY	802.11g/n:OFDM(BPSK,QPSK,16QAM,64QAM)			
		Bit Rate of	802.11b:11/5.5/2/1 Mbps			
		Transmitter:	802.11g:54/48/36/24/18/12/9/6 Mbps			
			802.11n:up to 150Mbps			
Power Supply		DC power supplied by Switching Adapter.				
Power Rating		Switching Adapter: Input:100~240V, 50/60Hz 1.5A Max				
CHILL	4	Output:12V, 5000m.	A			
Connecting I/O Port(S)		Please refer to the User's Manual				



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Note:

(1) This Test Report is FCC Part 15.247 for 802.11b/g/n, 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 BLE function, and recorded in the separate test report.
- (3) Antenna information provided by the applicant.
- (4) Channel List:

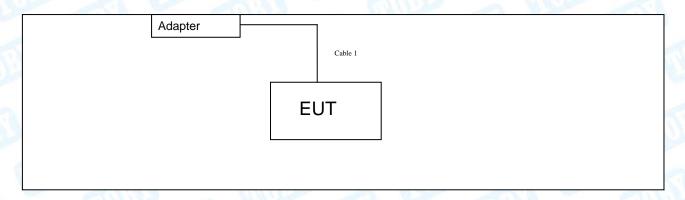
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
01	2412	05	2432	09	2452
02	2417	06	2437	10	2457
03	2422	07	2442	11	2462
04	2427	08	2447		

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

CH 03~CH 09 for 802.11n(HT40)

1.3 Block Diagram Showing the Configuration of System Tested

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 B Mode				

For Radiated Test				
Final Test Mode Description				
Mode 3	TX Mode B Mode Channel 01/06/11			
Mode 4	TX Mode G Mode Channel 01/06/11			
Mode 5	TX Mode N(HT20) Mode Channel 01/06/11			

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, Midle, lowest available channels, and the worst case data rate as follows:

802.11b Mode: CCK (1 Mbps) 802.11g Mode: OFDM (6 Mbps)

802.11n (HT20) Mode: MCS 0 (6.5 Mbps) 802.11n (HT40) Mode: MCS 0 (13 Mbps)

- (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 WLAN.

Test Software Version		Realtek MP Test	
Channel	CH 01	CH 06	CH 11
IEEE 802.11b DSSS	50	50	50
IEEE 802.11g OFDM	48	48	48
IEEE 802.11n (HT20)	46	46	46
Channel	CH 03	CH 06	CH 09
IEEE 802.11n (HT40)	46	46	46

1.7 Measurement Uncertainty

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

Test Item	Parameters	Expanded Uncertainty (U _{Lab})
Conducted Emission	Level Accuracy: 9kHz~150kHz	±3.42 dB
	150kHz to 30MHz	±3.42 dB
Radiated Emission	Level Accuracy: 9kHz to 30 MHz	±4.60 dB
Radiated Emission	Level Accuracy: 30MHz to 1000 MHz	±4.40 dB
Radiated Emission	Level Accuracy: Above 1000MHz	±4.20 dB



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1.8 Test Facility

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

May 22, 2014 certificated by TUV Rheinland(China) Co., Ltd. with TUV certificate No.: UA 50282953 0001 and report No.: 17026822 002. The certificate is valid until the next scheduled audit or up to 18 months, at the discretion of TUV Rhineland.



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2. Test Summary

	FCC Part	t 15 Subpart C(15.247)/ RSS 247	Issue 1				
Standard Section Ludement Beneric							
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

Conducted Emission Test							
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	t			Cal. Due		
Spectrum Analyzer	Agilent	E4407B	MY45106456	Aug. 29, 2015	Aug. 28, 2016		
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

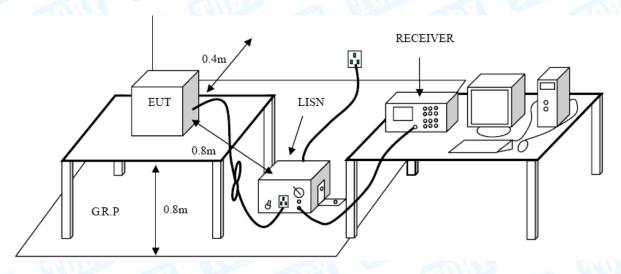
Conducted Emission Test Limit

Eroguenov	Maximum RF Line	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

Please see the next page



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T	0.	BY	

EUT:	32"IDISPLAY	Model N	Name :	UIT232B-E	306
Temperature:	25 ℃	Relative	Humidity:	55%	Riber
Test Voltage:	AC 120V/60 Hz	7	63	Miles	
Terminal:	Line	The state of the s			
Test Mode:	AC Charging w	rith TX B Mode	MOSS	- W	
Remark:	Only worse cas	se is reported		73	
90.0 dBuV			4.1111		
				QP:	_
				AVG:	_
X				v	
WWW	1 0%			À	
40 1 1 1 1 1	May Valoren	Mary many market to the			steen to de
	, Milyllyd, m, yyvaternar	Why was a fact of the state of	A CONTRACTOR OF THE PROPERTY O		W
W V V I			harry a a garden and	Mil. Jalilih	pea
		Y	Mymm		V
		٧	WWww.		Avi
		٧	NVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVV		Avi
10		V	MMM		Avi
0.150	0.5	(MHz)	5		30.000
0.150	0.5 Reading	g Correct Me	5 sasure-nent Limit	Over	
0.150 No. Mk. F	Readin	g Correct Me Factor n	asure "		30.000
0.150 No. Mk. F	Reading req. Level	g Correct Me Factor n	easure- nent Limit	dB	30.000
0.150 No. Mk. Fr	Reading req. Level 1Hz dBuV	g Correct Me Factor n dB d	easure- nent Limit BuV dBuV	dB 3 -6.80	30.000 Detecto
0.150 No. Mk. From Market 1 0.1 2 0.1	Reading req. Level 1Hz dBuV 539 49.05	g Correct Me Factor n dB d 9.93 58	easure- nent Limit BuV dBuV 3.98 65.78	dB 3 -6.80 3 -13.37	30.000 Detecto
0.150 No. Mk. Final Material	Reading req. Level 1Hz dBuV 539 49.05 539 32.48	g Correct Me Factor n dB d 9.93 58 9.93 42 10.00 54	easure- nent Limit BuV dBuV 3.98 65.78 2.41 55.78 4.34 64.03	dB 3 -6.80 3 -13.37	Detector QP AVG
0.150 No. Mk. From Mark 1 0.1 2 0.1 3 0.1 4 0.1	Reading Level 1Hz dBuV 539 49.05 539 32.48 900 44.34	g Correct Me Factor n dB d 9.93 58 9.93 42 10.00 54	easure- nent Limit BuV dBuV 3.98 65.78 2.41 55.78 4.34 64.03 2.85 54.03	dB 3 -6.80 3 -13.37 3 -9.69	30.000 Detecto QP AVC
0.150 No. Mk. From Mark 1	Reading Level 1Hz dBuV 539 49.05 539 32.48 900 44.34 901 32.85	g Correct Me Factor n dB d 9.93 58 9.93 42 10.00 54 10.00 42	easure- nent Limit BuV dBuV 8.98 65.78 2.41 55.78 4.34 64.03 2.85 54.03 6.64 57.64	dB 3 -6.80 3 -13.37 3 -9.69 3 -11.18	30.000 Detecto QP AVC QP QP
0.150 No. Mk. Fi 1 0.1 2 0.1 3 0.1 4 0.1 5 0.4 6 0.4	Reading Level 1Hz dBuV 539 49.05 539 32.48 900 44.34 901 32.85 102 36.62	g Correct Me Factor n dB d d 9.93 58 9.93 42 10.00 54 10.02 46 10.02 35	Easure- nent Limit BuV dBuV 3.98 65.78 2.41 55.78 4.34 64.03 2.85 54.03 3.64 57.64 7.21 47.64	dB 3 -6.80 3 -13.37 3 -9.69 3 -11.18 4 -11.00	30.000 Detecto QP AVC QP QP
0.150 No. Mk. From Mark 1 0.1 2 0.1 3 0.1 4 0.1 5 0.4 6 0.4 7 0.6	Reading Level Hz dBuV 539 49.05 539 32.48 900 44.34 901 32.85 102 36.62 102 27.19	g Correct Me Factor n dB dd 9.93 58 9.93 42 10.00 54 10.02 46 10.02 35 10.08 48	Easurenent Limit BuV dBuV 8.98 65.78 2.41 55.78 4.34 64.03 2.85 54.03 6.64 57.64 7.21 47.64 5.28 56.00	dB 3 -6.80 3 -13.37 3 -9.69 3 -11.18 4 -11.00 4 -10.43	30.000 Detector QP AVG QP AVG QP QP
0.150 No. Mk. Fi 1 0.1 2 0.1 3 0.1 4 0.1 5 0.4 6 0.4 7 0.6 8 0.6	Reading Level 1Hz	g Correct Me Factor n dB d d 9.93 58 9.93 42 10.00 54 10.02 46 10.02 31 10.08 48 10.08 34	Easurenent Limit BuV dBuV 3.98 65.78 2.41 55.78 4.34 64.03 2.85 54.03 3.64 57.64 7.21 47.64 5.28 56.00 4.77 46.00	dB 3 -6.80 3 -13.37 3 -9.69 3 -11.18 4 -11.00 4 -10.43 0 -10.72	Detector QP AVG QP AVG
0.150 No. Mk. From Mark 1 0.1 2 0.1 3 0.1 4 0.1 5 0.4 6 0.4 7 0.6 8 0.6 9 2.9	Reading Level 1Hz dBuV 539 49.05 539 32.48 900 44.34 901 32.85 102 36.62 102 27.19 260 35.20	g Correct Me Factor n dB dd 9.93 58 9.93 42 10.00 54 10.02 46 10.02 33 10.08 48 10.08 34 10.03 46	Easurenent Limit BuV dBuV 3.98 65.78 2.41 55.78 4.34 64.03 2.85 54.03 3.64 57.64 7.21 47.64 5.28 56.00 4.77 46.00	dB 3 -6.80 3 -13.37 3 -9.69 3 -11.18 4 -11.00 4 -10.43 0 -10.72 0 -11.23 0 -15.36	30.000 Detector QP AVC QP AVC QP AVC QP QP
No. Mk. Fi 1 0.1 2 0.1 3 0.1 4 0.1 5 0.4 6 0.4 7 0.6 8 0.6 9 2.9	Reading Level 1Hz dBuV 539 49.05 539 32.48 900 44.34 901 32.85 102 36.62 102 27.19 260 35.20 260 24.69 380 30.61 380 18.87	g Correct Me Factor n dB dd 9.93 58 9.93 42 10.00 54 10.02 46 10.08 45 10.08 45 10.03 46 10.03 28	Easurenent Limit BuV dBuV B.98 65.78 2.41 55.78 4.34 64.03 2.85 54.03 6.64 57.64 7.21 47.64 6.28 56.00 6.64 56.00	dB 3 -6.80 3 -13.37 3 -9.69 3 -11.18 4 -11.00 4 -10.43 0 -10.72 0 -11.23 0 -15.36 0 -17.10	OP AVG

Emission Level= Read Level+ Correct Factor

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	32"ID	ISPLAY	Мо	del Name :	U	IIT232B-E	306
Temperature:	25 ℃		Rel	ative Humidi	ty: 5	5%	River
Test Voltage:	AC 12	20V/60 Hz			Call	132	
Terminal:	Neutra	al	A Killing		6		ATIL
Test Mode:	AC CI	narging with	TX B Mode	CHILDS		2 1	ALL SECTION OF THE PERSON OF T
Remark:	Only	worse case is	s reported	The same of		13	{
90.0 dBuV							
40		My Man war war war water		May	Marine and the state of the sta	QP: AVG:	pea
0.150 No. Mk.	Freq.	Reading Level	(MHz) Correct Factor	Measure- ment	Limit	Over	30.000
1 *	0.1539	49.74	9.93	59.67	65.78	-6.11	Detector QP
	0.1539	33.78	9.93	43.71	55.78		AVG
_	0.1559	33.76	9.93	45.71	33.76	-12.07	
	N 1940	44 54	10.01	54 55	63.86	_Q 21	\cap P
3	0.1940 0.1940	44.54 28.99	10.01	54.55 39.00	63.86 53.86	-9.31 -14.86	QP AVG
3	0.1940	28.99	10.01	39.00	53.86	-14.86	AVG
3 4 5	0.1940 0.2660	28.99 38.30	10.01 10.02	39.00 48.32	53.86 61.24	-14.86 -12.92	AVG QP
3 4 5 6	0.1940 0.2660 0.2660	28.99 38.30 28.95	10.01 10.02 10.02	39.00 48.32 38.97	53.86 61.24 51.24	-14.86 -12.92 -12.27	AVG QP AVG
3 4 5	0.1940 0.2660	28.99 38.30 28.95 36.64	10.01 10.02 10.02 10.02	39.00 48.32 38.97 46.66	53.86 61.24 51.24 60.08	-14.86 -12.92 -12.27 -13.42	AVG QP AVG
3 4 5 6 7 8	0.1940 0.2660 0.2660 0.3059 0.3059	28.99 38.30 28.95 36.64 30.70	10.01 10.02 10.02 10.02 10.02	39.00 48.32 38.97 46.66 40.72	53.86 61.24 51.24 60.08 50.08	-14.86 -12.92 -12.27 -13.42 -9.36	AVG
3 4 5 6 7 8 9	0.1940 0.2660 0.2660 0.3059 0.3059 0.5737	28.99 38.30 28.95 36.64 30.70 35.44	10.01 10.02 10.02 10.02 10.02 10.06	39.00 48.32 38.97 46.66 40.72 45.50	53.86 61.24 51.24 60.08 50.08 56.00	-14.86 -12.92 -12.27 -13.42 -9.36 -10.50	AVG QP AVG QP AVG
3 4 5 6 7 8 9	0.1940 0.2660 0.2660 0.3059 0.3059	28.99 38.30 28.95 36.64 30.70	10.01 10.02 10.02 10.02 10.02	39.00 48.32 38.97 46.66 40.72	53.86 61.24 51.24 60.08 50.08 56.00 46.00	-14.86 -12.92 -12.27 -13.42 -9.36 -10.50	AVG



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EUT:	32"ID	ISPLAY	Mo	del Name :		UIT232B-	B06
Temperature:	25 ℃	Carry!	Re	lative Humi	dity:	55%	A MA
Test Voltage:	AC 24	10V/60 Hz		1	60	11:30	
Terminal:	Line		A KOL		1 6		
Test Mode:	AC C	narging with	TX B Mode		7	1 N	The same
Remark:	Only	worse case	is reported	Marie .		13	
90.0 dBuV							
						QP: AVG:	
40		Myler had wat yeller so hale		A Marina	and the second second	Ž.	pea
0.150	0.5		(MHz)	5			30.000
No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	Detector
1 0	.1539	48.05	9.93	57.98	65.78	-7.80	QP
2 0	.1539	31.48	9.93	41.41	55.78	-14.37	AVG
	.2278	41.44	10.02	51.46	62.53		QP
4 0	0.2278	31.72	10.02	41.74	52.53	-10.79	AVG
	.2938	36.58	10.02	46.60		-13.81	QP
6 0	.2938	24.03	10.02	34.05	50.41	-16.36	AVG
7 0	.4102	38.12	10.02	48.14	57.64	-9.50	QP
8 0	.4102	28.69	10.02	38.71	47.64	-8.93	AVG
9 0	.6219	35.87	10.08	45.95	56.00	-10.05	QP
10 0	.6219	24.69	10.08	34.77	46.00	-11.23	AVG
11 13	.4219	41.09	10.23	51.32	60.00	-8.68	QP
12 * 13	.4219	34.73	10.23	44.96	50.00	-5.04	AVG
*:Maximum data x:0	Over limit !:	over margin					



			II WILL
EUT:	32"IDISPLAY	Model Name :	UIT232B-B06
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 240V/60 Hz		an is
Terminal:	Neutral		
Test Mode:	AC Charging with TX	K B Mode	TO WILL
Remark:	Only worse case is r	eported	1:33
90.0 dBuV			
			QP: — AVG: —
WA.			
W W MAN	Mr. ad Å a	.X.	Å

-10 0.150 0.5 (MHz) 5 30.000

No. M	lk. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	O∨er	
	MHz	dBu∨	dB	dBu∀	dBu∨	dB	Detector
1	0.1539	49.24	9.93	59.17	65.78	-6.61	QP
2	0.1539	32.78	9.93	42.71	55.78	-13.07	AVG
3	0.1943	47.30	10.01	57.31	63.85	-6.54	QP
4	0.1943	32.49	10.01	42.50	53.85	-11.35	AVG
5	0.3059	38.14	10.02	48.16	60.08	-11.92	QP
6	0.3059	32.20	10.02	42.22	50.08	-7.86	AVG
7	0.5656	35.65	10.05	45.70	56.00	-10.30	QP
8 *	0.5656	31.03	10.05	41.08	46.00	-4.92	AVG
9	2.1619	33.53	10.05	43.58	56.00	-12.42	QP
10	2.1619	24.59	10.05	34.64	46.00	-11.36	AVG
11	13.4219	39.63	10.23	49.86	60.00	-10.14	QP
12	13.4219	33.24	10.23	43.47	50.00	-6.53	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	

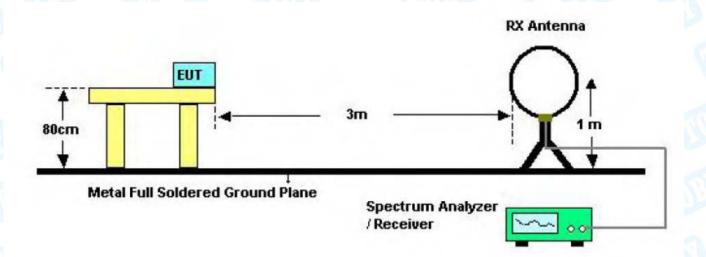
Note:

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

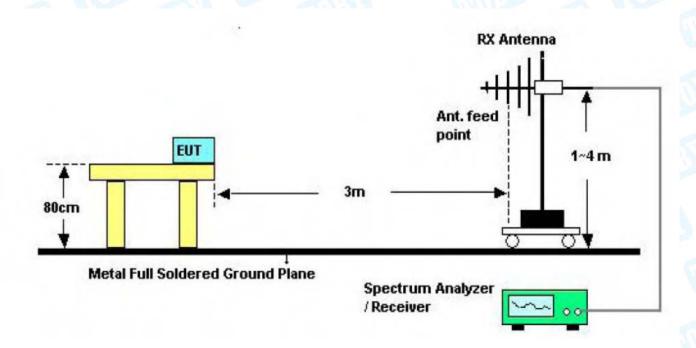


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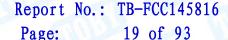
5.2 Test Setup



Below 30MHz Test Setup



Below 1000MHz Test Setup





Antenna tower

Horn antenna

Spectrum analyzer

Turntable 1.5m 1m 30cm

Above 1GHz Test Setup

5.3 Test Procedure

- (1) The measuring distance of 3m shall be used for measurements at frequency up to 1GHz. The EUT was placed on a rotating 0.8m high above the 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.

5.4 EUT Operating Condition

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



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5.5 Test Data

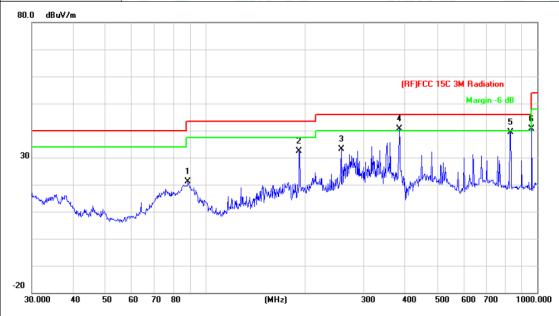
Remark: During testing above 1GHz the measuring instrument use RBW=1 MHz and VBW=3 MHz with Peak Detector for Peak Values, and use RBW=1 MHz and VBW=10 Hz with Peak Detector for Average Values.

Test data please refer the following pages.



Page: 21 of 93

EUT:	32"IDISPLAY	Model Name :	UIT232B-B06
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60 Hz	01 - 0	TO SECURE
Ant. Pol.	Horizontal		
Test Mode:	TX B Mode 2412MHz		
Remark:	Only worse case is repor	ted	1:72



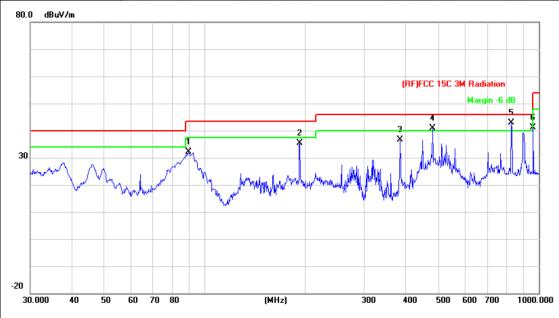
No	. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		88.6524	43.88	-22.77	21.11	43.50	-22.39	peak
2		191.7450	53.29	-20.81	32.48	43.50	-11.02	peak
3		256.5210	51.17	-17.98	33.19	46.00	-12.81	peak
4	*	383.9318	54.49	-13.87	40.62	46.00	-5.38	peak
5		830.4002	45.71	-6.38	39.33	46.00	-6.67	peak
6		962.1621	45.54	-4.84	40.70	54.00	-13.30	peak

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



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Š	EUT:	32"IDISPLAY	Model Name :	UIT232B-B06				
	Temperature:	25 ℃	Relative Humidity:	55%				
	Test Voltage:	AC 120V/60 Hz	AC 120V/60 Hz					
	Ant. Pol.	Vertical						
	Test Mode:	TX B Mode 2412MHz						
	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		89.2762	54.91	-22.74	32.17	43.50	-11.33	peak
2		192.4183	56.08	-20.78	35.30	43.50	-8.20	peak
3		383.9318	50.53	-13.87	36.66	46.00	-9.34	peak
4	ļ	480.5276	52.56	-11.62	40.94	46.00	-5.06	peak
5	*	827.4932	49.31	-6.32	42.99	46.00	-3.01	peak
6		962.1621	45.95	-4.84	41.11	54.00	-12.89	peak

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



23 of 93 Page:

EUT:	32"IDIS	PLAY	Mo	del Name :	UIT	232B-B0	6
Temperature:	25 ℃	COUNTY A	Re	lative Humid	ity: 55°	%	The same
Test Voltage:	AC 120	//60 Hz		10	(III)	13.3	
Ant. Pol.	Horizon	tal	A Kar		62		City
Test Mode:	TX B Mo	ode 2437MI	Hz	CHILD S.		113	No.
Remark:	Only wo	rse case is	reported	The same of		3	_ (
80.0 dBuV/m							
-20 30.000 40 50	0 60 70 80		(MHz)	300	(RF)FCC 150	3M Radiation Margin -6	1000.000
	Freq.	Level	Correct Factor	Measure- ment	Limit	O∨er	
	MHz ————————————————————————————————————	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detecto
1 37	.8121	37.69 -	-18.80	18.89	40.00	-21.11	peak
2 88	.3421	45.14 -	-22.79	22.35	43.50	-21.15	peak
3 191	.7450	51.79 -	-20.81	30.98	43.50	-12.52	peak
4 263	3.8190	56.94 -	-17.82	39.12	46.00	-6.88	peak
5 * 383	3.9318	56.32 -	-13.87	42.45	46.00	-3.55	peak
6 896	5.9963	42.38	-5.17	37.21	46.00	-8.79	peak

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



Page: 24 of 93

EUT:	32"IDISPLAY	M	odel Name :	UIT232B-B06
Temperature:	25 ℃	Re	elative Humidity:	55%
Test Voltage:	AC 120V/60 Hz		11	MIN'S
Ant. Pol.	Vertical	A PAGE		
Test Mode:	TX B Mode 243	7MHz	CHILD S	
Remark:	Only worse case	e is reported		7:33
80.0 dBuV/m				
30		* * * * * * * * * * * * * * * * * * *	White the state of	F)FCC 15C 3M Radiation Margin -6 dB
-20	20. 70. 00	au. >	200	2 500 000 700 4000 000
30.000 40 50	60 70 80	(MHz)	300 40	0 500 600 700 1000.000
	Reading Freq. Level	Correct Factor	Measure- ment Lin	
	MHz dBuV	dB/m		uV/m dB Detector
1 92	.1388 54.60	-22.50	32.10 43	5.50 -11.40 peak
2 19	1.7450 53.32	-20.81	32.51 43	.50 -10.99 peak
3 383	3.9318 49.20	-13.87	35.33 46	i.00 -10.67 peak
4 * 480	0.5276 51.03	-11.62	39.41 46	i.00 -6.59 peak
5 768	3.7481 41.80	-6.82	34.98 46	i.00 -11.02 peak
6 962	2.1621 44.37	-4.84	39.53 54	.00 -14.47 peak

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



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EUT:	32"IDISPLAY	Mo	odel Name :	UI	T232B-B0	06
Temperature:	25 ℃	Re	elative Humidity	y: 55°	%	1111
Test Voltage:	AC 120V/60 Hz			630	133	
Ant. Pol.	Horizontal	LAGO.		10		
Test Mode:	TX B Mode 2462	2MHz			1 11/1	Lane.
Remark:	Only worse case	e is reported	C. C.	mi)	3	
30 dBuV/m 30 -20 30.000 40 50	60 70 80		2 3 4 X	(RF)FCC 15(C 3M Radiation Margin -6	
	Reading	Correct	Measure-			
	eq. Level	Factor	- III GIIC	imit	Over	
MI	Hz dBuV	dB/m	dBuV/m dl	BuV/m	dB	Detector
1 191.7	7450 53.29	-20.81	32.48 4	3.50	-11.02	peak
2 256.5	5210 51.67	-17.98	33.69 4	6.00	-12.31	peak
3 316.5	5889 51.59	-16.45	35.14 4	6.00	-10.86	peak
4 ! 383.9	9318 54.49	-13.87	40.62 4	6.00	-5.38	peak
5 * 827.4	4932 48.11	-6.32	41.79 4	6.00	-4.21	peak
6 962.1	1621 45.04	-4.84	40.20 5	4.00	-13.80	peak
*:Maximum data x:O	ver limit !:over margin	_				



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A HILL		10.00					
EUT:	32"IDISPLAY	Model Name :	UIT232B-B06				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60 Hz						
Ant. Pol.	Vertical						
Test Mode:	TX B Mode 2462MHz						
Remark:	Only worse case is re	eported	1:33				
80.0 dBuV/m							
		(RF)	FCC 15C 3M Radiation				

30.000	40	50	60	70	00			(MHz)		300	400	500 (500 7 00		000.
										rp 1:114					
dural Day	$\frac{1}{2}$	1		ad more desired	۳.	Ŋ	Lynn My	Whymal	Cope to September 19 19 19 19 19 19 19 19 19 19 19 19 19		₩"	Jun!	yM _{ara} lard	\\J\ _\ /	Vede
144	_					4	2 X	Ť							Щ
			+					3			<u>4</u>			X	×
													maryin -	5	-
											(RF)FCC	15C 3M	Radiatio		
_															

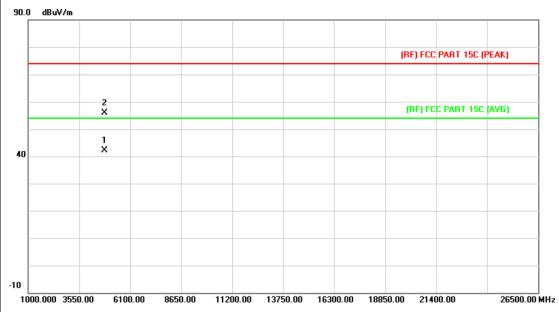
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		89.2762	55.41	-22.74	32.67	43.50	-10.83	peak
2		128.1128	52.42	-22.24	30.18	43.50	-13.32	peak
3		192.4183	54.08	-20.78	33.30	43.50	-10.20	peak
4		480.5276	50.56	-11.62	38.94	46.00	-7.06	peak
5	*	827.4932	47.31	-6.32	40.99	46.00	-5.01	peak
6		962.1621	45.95	-4.84	41.11	54.00	-12.89	peak

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



Page: 27 of 93

EUT:	32"IDISPLAY	Model:	UIT232B-B06					
Temperature:	25 ℃	Relative Humidity:	55%					
Test Voltage:	AC 120V/60 Hz	AC 120V/60 Hz						
Ant. Pol.	Horizontal							
Test Mode:	TX B Mode 2412MHz		THE RESERVE TO SERVE					
Remark:	No report for the emissio	n which more than 10 o	dB below the					
	prescribed limit.							
i								

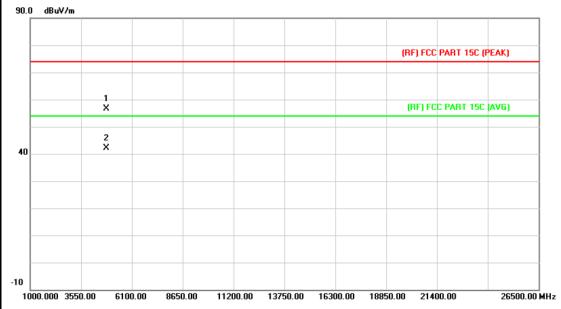


No	. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4824.439	28.58	13.56	42.14	54.00	-11.86	AVG
2		4824.448	42.43	13.56	55.99	74.00	-18.01	peak



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EUT:	32"IDISPLAY	Model:	UIT232B-B06					
Temperature:	25 ℃	Relative Humidity:	55%					
Test Voltage:	AC 120V/60 Hz	AC 120V/60 Hz						
Ant. Pol.	Vertical							
Test Mode:	TX B Mode 2412MHz		THE RESERVE TO SERVE					
Remark:	No report for the emissio	n which more than 10 o	dB below the					
	prescribed limit.							

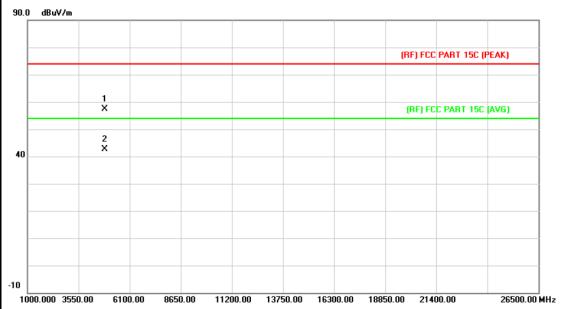


No	. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4824.166	43.19	13.56	56.75	74.00	-17.25	peak
2	*	4824.500	28.58	13.56	42.14	54.00	-11.86	AVG



Page: 29 of 93

EUT:	32"IDISPLAY	Model Name :	UIT232B-B06					
Temperature:	25 ℃	Relative Humidity:	55%					
Test Voltage:	AC 120V/60 Hz	AC 120V/60 Hz						
Ant. Pol.	Horizontal							
Test Mode:	TX B Mode 2437MHz							
Remark:	No report for the emissio	No report for the emission which more than 10 dB below the						
	prescribed limit.							
· · · · · · · · · · · · · · · · · · ·								

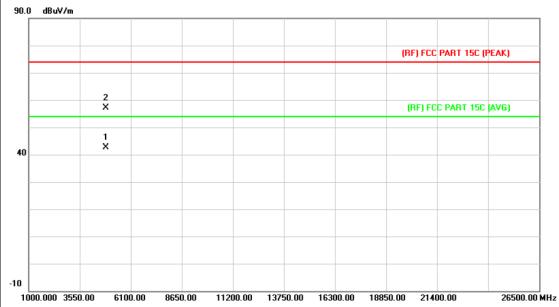


No	o. Mk.	Freq.	Reading Level		Measure- ment	Limit	O∨er	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4873.812	43.58	13.86	57.44	74.00	-16.56	peak
2	*	4874.480	28.86	13.86	42.72	54.00	-11.28	AVG



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EUT:	32"IDISPLAY	Model Name :	UIT232B-B06				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60 Hz	AC 120V/60 Hz					
Ant. Pol.	Vertical	Vertical					
Test Mode:	TX B Mode 2437MHz		THE PARTY OF THE P				
Remark:	No report for the emission	No report for the emission which more than 10 dB below the					
	prescribed limit.						

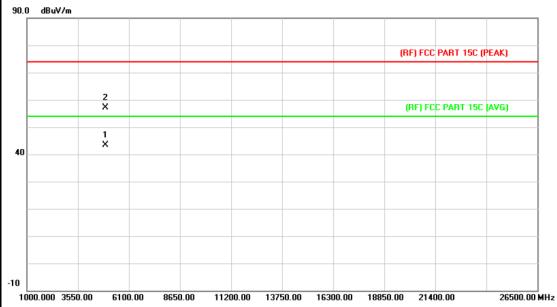


No	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4874.194	28.86	13.86	42.72	54.00	-11.28	AVG
2		4874.274	43.32	13.86	57.18	74.00	-16.82	peak



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EUT:	32"IDISPLAY	Model Name :	UIT232B-B06				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60 Hz	AC 120V/60 Hz					
Ant. Pol.	Horizontal	Horizontal					
Test Mode:	TX B Mode 2462MHz						
Remark:	No report for the emission	No report for the emission which more than 10 dB below the					
prescribed limit.							

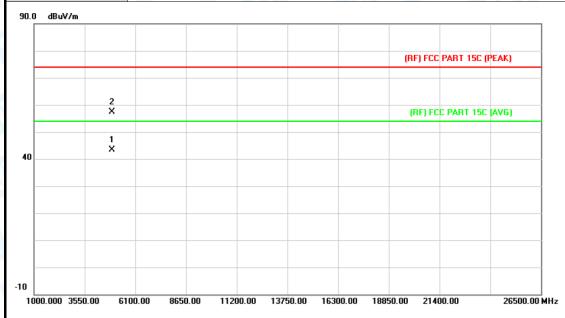


N	lo.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
			MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		*	4923.520	29.18	14.15	43.33	54.00	-10.67	AVG
2			4924.283	42.90	14.15	57.05	74.00	-16.95	peak



Report No.: TB-FCC145816
Page: 32 of 93

EUT:	32"IDISPLAY	Model Name :	UIT232B-B06			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60 Hz					
Ant. Pol.	Vertical					
Test Mode:	TX B Mode 2462MHz					
Remark:	No report for the emission which more than 10 dB below the prescribed limit.					
	produibed innit.					

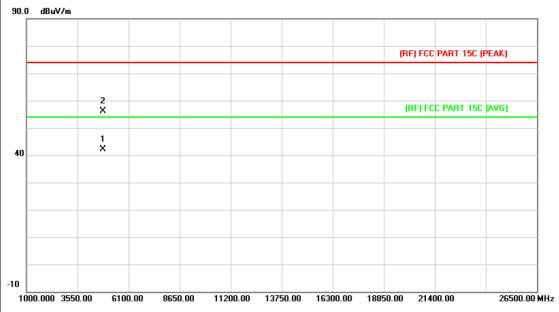


No	. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4923.806	29.18	14.15	43.33	54.00	-10.67	AVG
2		4924.226	43.18	14.15	57.33	74.00	-16.67	peak



Page: 33 of 93

EUT:	32"IDISPLAY	Model Name :	UIT232B-B06				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60 Hz	AC 120V/60 Hz					
Ant. Pol.	Horizontal	Horizontal					
Test Mode:	TX G Mode 2412MHz		A VIVE				
Remark: No report for the emission which more than 10 dB below the prescribed limit.							
00 0 dB.4//-	·						

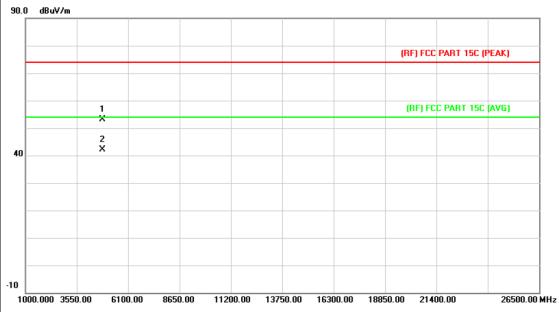


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4823.990	28.60	13.56	42.16	54.00	-11.84	AVG
2		4824.386	42.46	13.56	56.02	74.00	-17.98	peak



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EUT:	32"IDISPLAY	Model Name :	UIT232B-B06			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60 Hz	AC 120V/60 Hz				
Ant. Pol.	Vertical	Vertical				
Test Mode:	TX G Mode 2412MHz					
Remark:	No report for the emission which more than 10 dB below the prescribed limit.					
90.0 dB ₁ W/m						

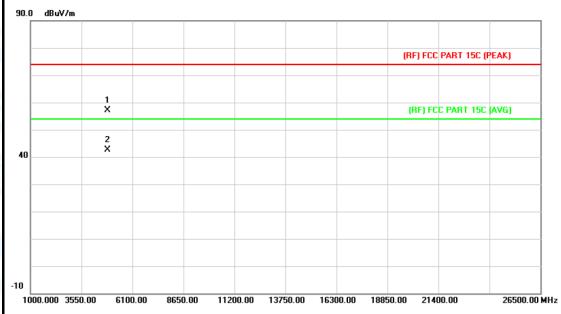


No	o. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4823.888	39.60	13.56	53.16	74.00	-20.84	peak
2	*	4823.888	28.60	13.56	42.16	54.00	-11.84	AVG



Report No.: TB-FCC145816
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EUT:	32"IDISPLAY	Model Name :	UIT232B-B06				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60 Hz	AC 120V/60 Hz					
Ant. Pol.	Horizontal	Horizontal					
Test Mode:	TX G Mode 2437MHz						
Remark:	No report for the emissio prescribed limit.	No report for the emission which more than 10 dB below the prescribed limit.					

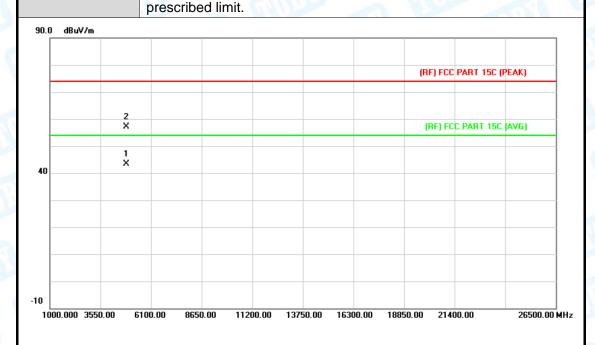


No	o. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4873.727	43.35	13.86	57.21	74.00	-16.79	peak
2	*	4874.500	28.87	13.86	42.73	54.00	-11.27	AVG



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A Aller		17:13				
EUT:	32"IDISPLAY	Model Name :	UIT232B-B06			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60 Hz		ALL STATE			
Ant. Pol.	Vertical					
Test Mode:	TX G Mode 2437MHz					
Remark:	No report for the emission which more than 10 dB below the					

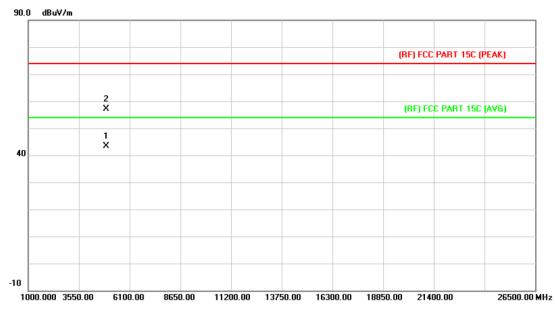


N	lo. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4874.031	29.48	13.86	43.34	54.00	-10.66	AVG
2		4874.284	43.26	13.86	57.12	74.00	-16.88	peak



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EUT:	32"IDISPLAY	Model Name :	UIT232B-B06			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60 Hz	01 - 0	THE STATE OF THE S			
Ant. Pol.	Horizontal	Horizontal				
Test Mode:	TX G Mode 2462MHz	TX G Mode 2462MHz				
Remark:	No report for the emission which more than 10 dB below the					
	prescribed limit.					

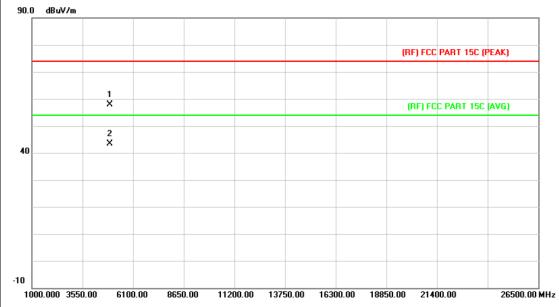


No	o. Mk	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4923.500	29.18	14.15	43.33	54.00	-10.67	AVG
2		4924.205	42.91	14.15	57.06	74.00	-16.94	peak



Page: 38 of 93

EUT:	32"IDISPLAY	Model Name :	UIT232B-B06			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60 Hz	01 - 0				
Ant. Pol.	Vertical	Vertical				
Test Mode:	TX G Mode 2462MHz					
Remark:	No report for the emission which more than 10 dB below the					
	prescribed limit.					

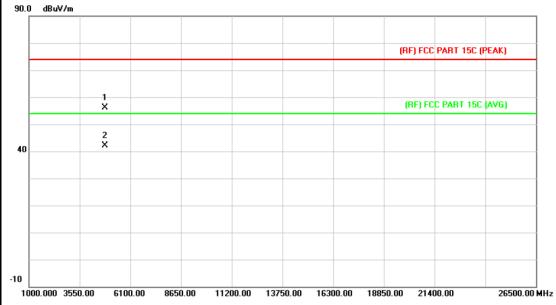


No	. Mk	Freq.	_	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4924.070	43.61	14.15	57.76	74.00	-16.24	peak
2	*	4924.275	29.18	14.15	43.33	54.00	-10.67	AVG



Report No.: TB-FCC145816
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EUT:	32"IDISPLAY	Model Name :	UIT232B-B06		
Temperature:	25 ℃	Relative Humidity:	55%		
Test Voltage:	AC 120V/60 Hz	101 T	ans a		
Ant. Pol.	Horizontal				
Test Mode:	TX N(HT20) Mode 2412I	MHz			
Remark:	No report for the emission which more than 10 dB below the prescribed limit.				

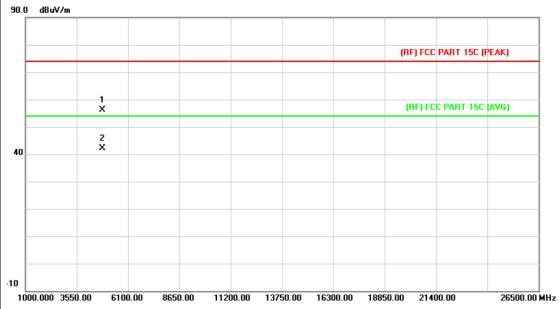


No	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4823.800	42.66	13.56	56.22	74.00	-17.78	peak
2	*	4824.214	28.59	13.56	42.15	54.00	-11.85	AVG



Page: 40 of 93

EUT:	32"IDISPLAY	Model Name :	UIT232B-B06			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60 Hz	AC 120V/60 Hz				
Ant. Pol.	Vertical	Vertical				
Test Mode:	TX N(HT20) Mode 2412	MHz				
Remark:	No report for the emission which more than 10 dB below the					
90.0 dRuV/m	prescribed limit.					

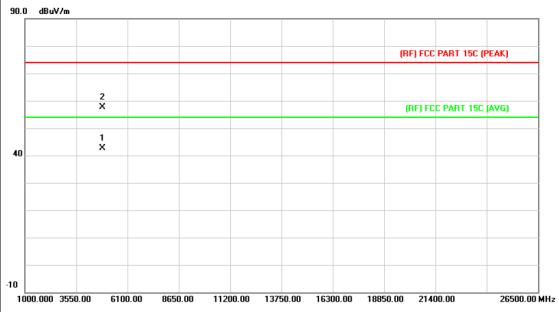


No	o. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	O∨er	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4823.884	42.57	13.56	56.13	74.00	-17.87	peak
2	*	4824.051	28.61	13.56	42.17	54.00	-11.83	AVG



Page: 41 of 93

EUT:	32"IDISPLAY	Model Name :	UIT232B-B06			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60 Hz	01 - 6				
Ant. Pol.	Horizontal	Horizontal				
Test Mode:	TX N(HT20) Mode 2437	ИНz				
Remark:	No report for the emissio prescribed limit.	No report for the emission which more than 10 dB below the				
00 0 ID VI						

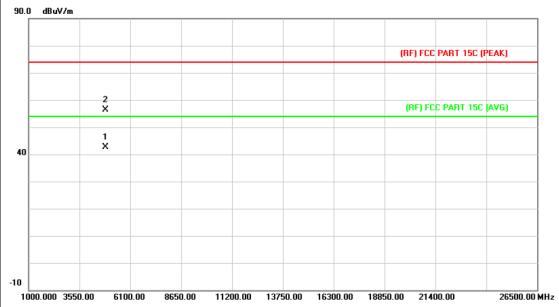


No	. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4874.316	28.86	13.86	42.72	54.00	-11.28	AVG
2		4874.478	43.83	13.86	57.69	74.00	-16.31	peak



Page: 42 of 93

EUT:	32"IDISPLAY	Model Name :	UIT232B-B06			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60 Hz	AC 120V/60 Hz				
Ant. Pol.	Vertical	Vertical				
Test Mode:	TX N(HT20) Mode 2437	TX N(HT20) Mode 2437MHz				
Remark:	No report for the emission which more than 10 dB below the					
	prescribed limit.					

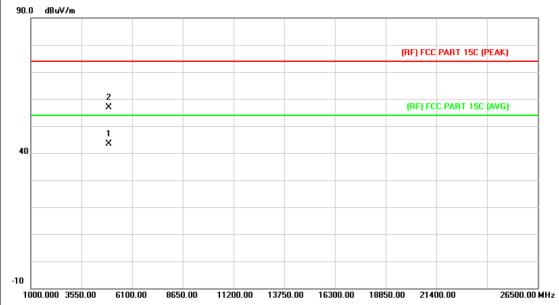


No	. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4874.112	28.87	13.86	42.73	54.00	-11.27	AVG
2		4874.209	42.41	13.86	56.27	74.00	-17.73	peak



Page: 43 of 93

EUT:	32"IDISPLAY	Model Name :	UIT232B-B06			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60 Hz	AC 120V/60 Hz				
Ant. Pol.	Horizontal	Horizontal				
Test Mode:	TX N(HT20) Mode 2462N	ИНz				
Remark:	No report for the emission which more than 10 dB below the					
	prescribed limit.	prescribed limit.				
8						

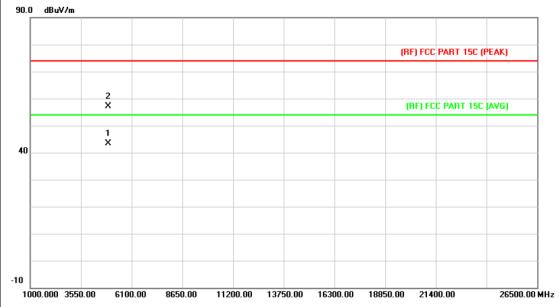


N	lo. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4923.765	29.18	14.15	43.33	54.00	-10.67	AVG
2		4923.907	42.69	14.15	56.84	74.00	-17.16	peak



Page: 44 of 93

EUT:	32"IDISPLAY	Model Name :	UIT232B-B06			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60 Hz	AC 120V/60 Hz				
Ant. Pol.	Vertical	Vertical				
Test Mode:	TX N(HT20) Mode 2462N	ИНz				
Remark:	No report for the emission which more than 10 dB below the					
	prescribed limit.					

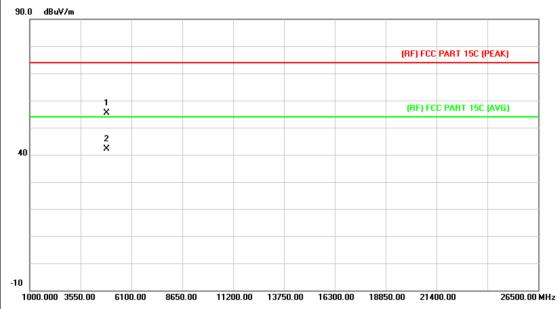


No	o. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4924.214	29.18	14.15	43.33	54.00	-10.67	AVG
2		4924.459	43.08	14.15	57.23	74.00	-16.77	peak



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EUT:	32"IDISPLAY	Model Name :	UIT232B-B06				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60 Hz	AC 120V/60 Hz					
Ant. Pol.	Horizontal	Horizontal					
Test Mode:	TX N(HT40) Mode 2422	MHz					
Remark:	No report for the emission	No report for the emission which more than 10 dB below the					
	prescribed limit.						
i							

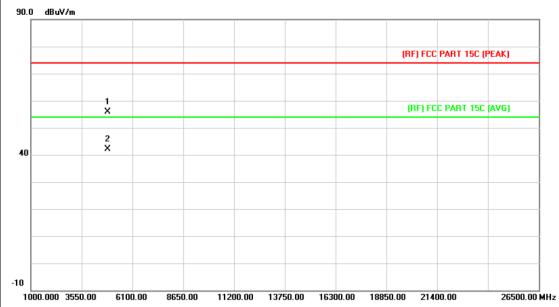


1	No. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4843.746	41.64	13.68	55.32	74.00	-18.68	peak
2	*	4844.480	28.45	13.68	42.13	54.00	-11.87	AVG



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EUT:	32"IDISPLAY	Model Name :	UIT232B-B06				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60 Hz	AC 120V/60 Hz					
Ant. Pol.	Vertical	Vertical					
Test Mode:	TX N(HT40) Mode 2422N	ИНz	THE PARTY OF THE P				
Remark:	No report for the emissio	No report for the emission which more than 10 dB below the					
	prescribed limit.						

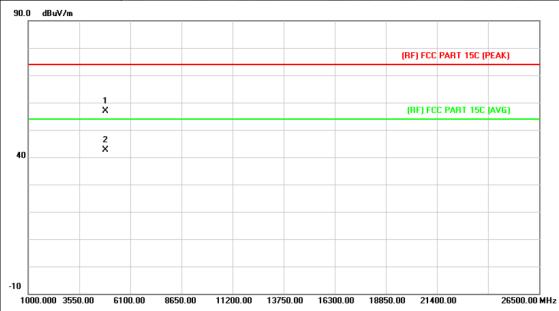


No	o. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4843.531	42.09	13.68	55.77	74.00	-18.23	peak
2	*	4843.963	28.48	13.68	42.16	54.00	-11.84	AVG



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EUT:	32"IDISPLAY	Model Name :	UIT232B-B06				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60 Hz	AC 120V/60 Hz					
Ant. Pol.	Horizontal	Horizontal					
Test Mode:	TX N(HT40) Mode 2437	ИНz	THE PARTY OF THE P				
Remark:	No report for the emission	No report for the emission which more than 10 dB below the					
	prescribed limit.						

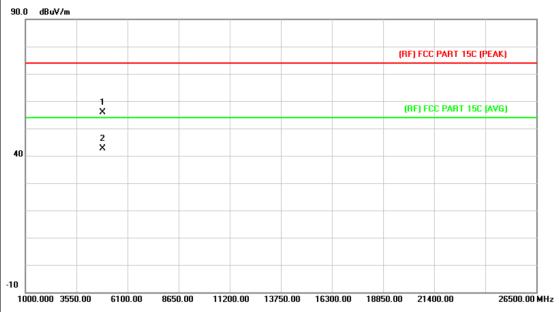


No	. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4873.897	42.97	13.86	56.83	74.00	-17.17	peak
2	*	4874.174	28.87	13.86	42.73	54.00	-11.27	AVG



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EUT:	32"IDISPLAY	Model Name :	UIT232B-B06			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60 Hz	AC 120V/60 Hz				
Ant. Pol.	Vertical	Vertical				
Test Mode:	TX N(HT40) Mode 2437N	ИНz				
Remark:	No report for the emission which more than 10 dB below the prescribed limit.					

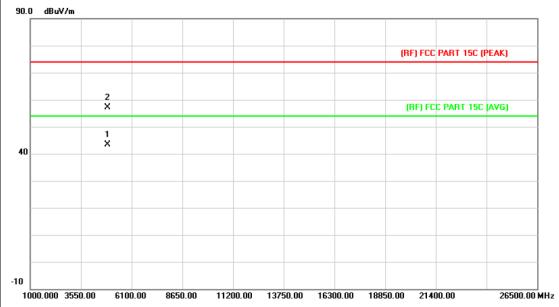


No	. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4873.638	42.09	13.86	55.95	74.00	-18.05	peak
2	*	4874.092	28.87	13.86	42.73	54.00	-11.27	AVG



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١	EUT:	32"IDISPLAY	Model Name :	UIT232B-B06			
	Temperature:	25 ℃	Relative Humidity:	55%			
	Test Voltage:	AC 120V/60 Hz					
	Ant. Pol.	Horizontal					
	Test Mode:	TX N(HT40) Mode 2452N	ИНz	THE PARTY OF THE P			
	Remark:	No report for the emission which more than 10 dB below the prescribed limit.					
4							

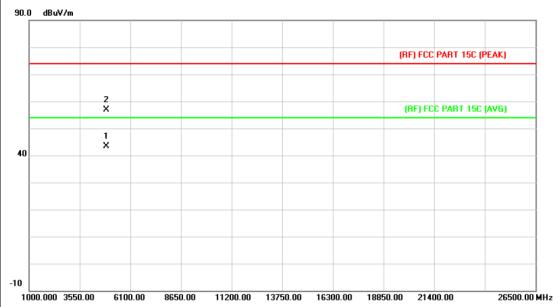


No	o. Mk	. Freq.	_	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4903.602	29.31	14.03	43.34	54.00	-10.66	AVG
2		4904.241	43.16	14.03	57.19	74.00	-16.81	peak



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EUT:	32"IDISPLAY	Model Name :	UIT232B-B06				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60 Hz	AC 120V/60 Hz					
Ant. Pol.	Vertical	Vertical					
Test Mode:	TX N(HT40) Mode 2452	MHz					
Remark:	No report for the emission	No report for the emission which more than 10 dB below the					
	prescribed limit.						
Ĭ			· ·				



No	. Mk	. Freq.	_	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4903.768	29.29	14.03	43.32	54.00	-10.68	AVG
2		4904.095	42.96	14.03	56.99	74.00	-17.01	peak



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6. Restricted Bands Requirement

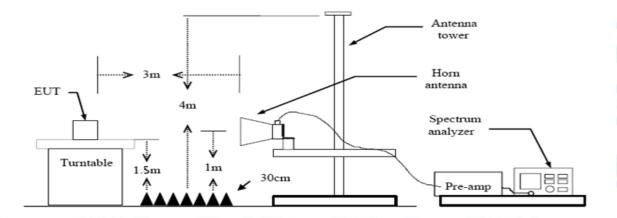
6.1 Test Standard and Limit

5.1.1 Test Standard FCC Part 15.209 FCC Part 15.205

5.1.2 Test Limit

Restricted Frequency	Class B (dB	8uV/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. The EUT was placed on a rotating 0.8m high above the 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



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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.

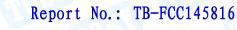
- (6) Testing frequency range below 1GHz the measuring instrument use VBW=120 kHz with Quasi-peak detection.
- (7) Testing frequency range above 1GHz the measuring instrument use RBW=1 MHz and VBW=3 MHz with Peak Detector for Peak Values, and use RBW=1 MHz and VBW=10 Hz with Peak Detector for Average Values.
- (8) For the actual test configuration, please see the test setup photo.

6.4 EUT Operating Condition

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

6.5 Test Data

Please see the next page.

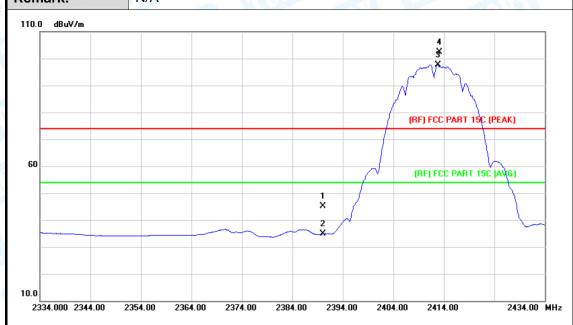




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(1) Radiation Test

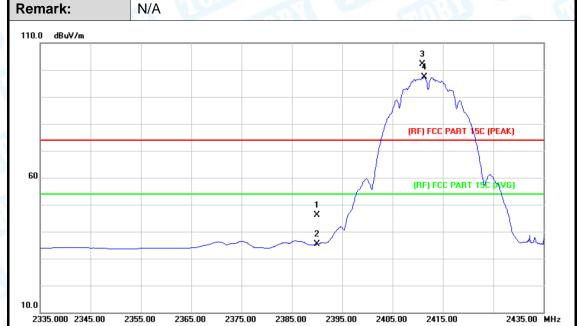
EUT:	32"IDISPLAY	Model Name :	UIT232B-B06
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60 Hz		
Ant. Pol.	Horizontal	COURSE OF THE PROPERTY OF THE	THE PARTY OF THE P
Test Mode:	TX B Mode 2412MHz		
Remark:	N/A		



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	44.26	0.77	45.03	74.00	-28.97	peak
2		2390.000	34.04	0.77	34.81	54.00	-19.19	AVG
3	*	2412.800	96.80	0.86	97.66	Fundamental Frequency		AVG
4	Х	2413.100	101.62	0.86	102.48	Fundamental I	Frequency	peak



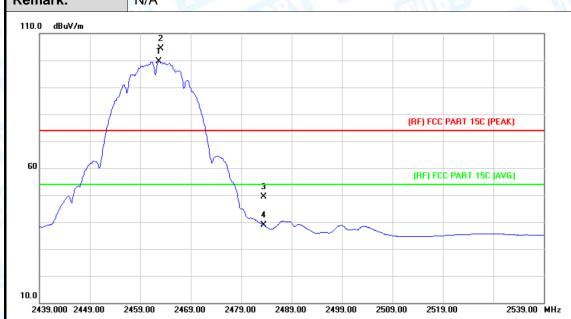
EUT:	32"IDISPLAY	Model Name :	UIT232B-B06
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60 Hz		TO SECURE
Ant. Pol.	Vertical		
Test Mode:	TX B Mode 2412MHz		THE PARTY OF THE P



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	45.47	0.77	46.24	74.00	-27.76	peak
2		2390.000	34.52	0.77	35.29	54.00	-18.71	AVG
3	Х	2410.900	101.16	0.86	102.02	Fundamental F	requency	peak
4	*	2411.300	96.61	0.86	97.47	Fundamental F	requency	AVG



EUT: 32"IDISPLAY **Model Name:** UIT232B-B06 Temperature: **25** ℃ **Relative Humidity:** 55% AC 120V/60 Hz **Test Voltage:** Ant. Pol. Horizontal **Test Mode:** TX B Mode 2462MHz Remark: N/A



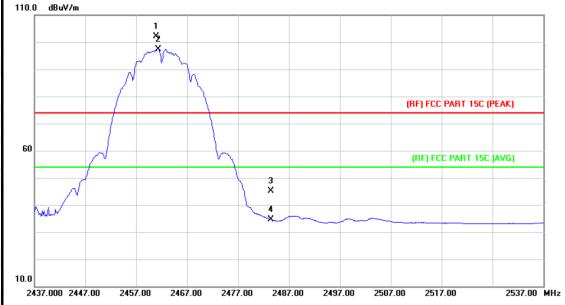
No	. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	O∨er	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	2462.700	98.57	1.08	99.65	Fundamental	Frequency	AVG
2	Х	2463.000	103.40	1.08	104.48	Fundamental	Frequency	peak
3		2483.500	48.16	1.17	49.33	74.00	-24.67	peak
4		2483.500	37.78	1.17	38.95	54.00	-15.05	AVG



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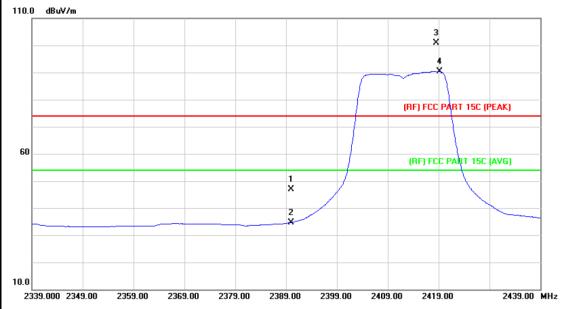
EUT:	32"IDISPLAY	Model Name :	UIT232B-B06
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60 Hz		
Ant. Pol.	Vertical		
Test Mode:	TX B Mode 2462MHz		
Remark:	N/A	SI CO	1:72
110.0 dBuV/m			
	1 %		
	-Xn		



No. Mk.		. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	Х	2460.900	100.97	1.06	102.03	Fundamental	Frequency	peak
2	*	2461.300	96.43	1.07	97.50	Fundamental	Frequency	AVG
3		2483.500	43.89	1.17	45.06	74.00	-28.94	peak
4		2483.500	33.47	1.17	34.64	54.00	-19.36	AVG



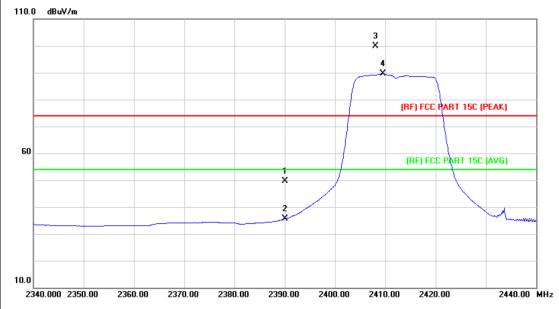
EUT:	32"IDISPLAY	Model Name :	UIT232B-B06
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60 Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX G Mode 2412MHz		
Remark:	N/A		1:73 _ (L)



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	46.01	0.77	46.78	74.00	-27.22	peak
2		2390.000	33.95	0.77	34.72	54.00	-19.28	AVG
3	Х	2418.600	100.04	0.89	100.93	Fundamental Frequency		peak
4	*	2419.200	89.41	0.89	90.30	Fundamental I	requency	AVG



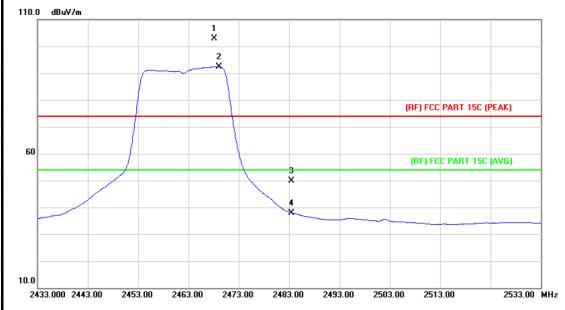
E	UT:	32"IDISPLAY	Model Name :	UIT232B-B06				
Te	emperature:	25 ℃	Relative Humidity:	55%				
Te	est Voltage:	AC 120V/60 Hz	01 - 0	in its				
A	nt. Pol.	Vertical						
Te	est Mode:	TX G Mode 2412MHz	CHILD S					
R	emark:	N/A		1:33				



No	. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	48.89	0.77	49.66	74.00	-24.34	peak
2		2390.000	34.87	0.77	35.64	54.00	-18.36	AVG
3	Х	2408.100	98.92	0.85	99.77	Fundamental Frequency		peak
4	*	2409.600	88.71	0.85	89.56	Fundamental	Frequency	AVG



EUT:	32"IDISPLAY	Model Name :	UIT232B-B06
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60 Hz	01 - 0	an is
Ant. Pol.	Horizontal		
Test Mode:	TX G Mode 2462MHz		
Remark:	N/A		1:33

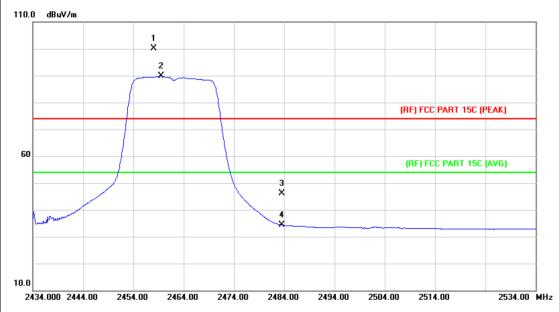


No	. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	Χ	2468.200	101.81	1.11	102.92	Fundamental Frequency		peak
2	*	2469.100	91.30	1.11	92.41	Fundamenta	l Frequency	AVG
3		2483.500	48.66	1.17	49.83	74.00	-24.17	peak
4		2483.500	36.82	1.17	37.99	54.00	-16.01	AVG





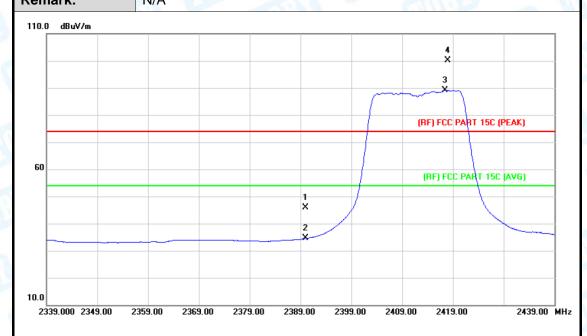
EUT:	32"IDISPLAY	Model Name :	UIT232B-B06
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60 Hz	(1) T	in its
Ant. Pol.	Vertical		
Test Mode:	TX G Mode 2462MHz		THE PARTY OF THE P
Remark:	N/A		1:33 _ (1)



No.	. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	Χ	2458.100	99.15	1.06	100.21	Fundamental Frequency		peak
2	*	2459.500	88.72	1.06	89.78	Fundamental	Frequency	AVG
3		2483.500	45.03	1.17	46.20	74.00	-27.80	peak
4		2483.500	33.28	1.17	34.45	54.00	-19.55	AVG



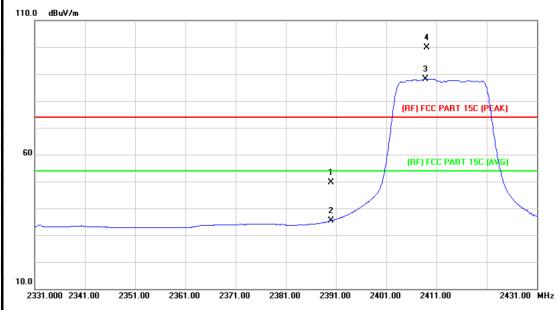
EUT: 32"IDISPLAY **Model Name:** UIT232B-B06 Temperature: **25** ℃ **Relative Humidity:** 55% **Test Voltage:** AC 120V/60 Hz Ant. Pol. Horizontal **Test Mode:** TX N(HT20) Mode 2412MHz Remark: N/A



No	. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	45.00	0.77	45.77	74.00	-28.23	peak
2		2390.000	33.74	0.77	34.51	54.00	-19.49	AVG
3	*	2417.400	88.23	0.89	89.12	Fundamental Frequency		AVG
4	Х	2418.000	99.12	0.89	100.01	Fundamental Frequency		peak



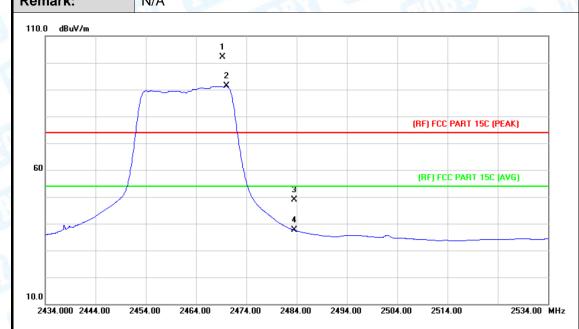
EUT:	32"IDISPLAY	Model Name :	UIT232B-B06					
Temperature:	25 ℃	25 ℃ Relative Humidity: 55%						
Test Voltage:	AC 120V/60 Hz							
Ant. Pol.	Vertical							
Test Mode:	TX N(HT20) Mode 2412N	ИНz						
Remark:	N/A		1:33					
110.0 dPul//m								



No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	48.91	0.77	49.68	74.00	-24.32	peak
2		2390.000	34.61	0.77	35.38	54.00	-18.62	AVG
3	*	2408.800	87.38	0.85	88.23	Fundamenta	l Frequency	AVG
4	Х	2409.000	98.97	0.85	99.82	Fundamental	Frequency	peak



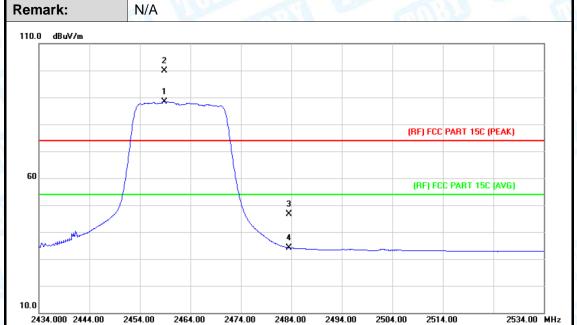
EUT: 32"IDISPLAY **Model Name:** UIT232B-B06 Temperature: **25** ℃ **Relative Humidity:** 55% AC 120V/60 Hz **Test Voltage:** Ant. Pol. Horizontal **Test Mode:** TX N(HT20) Mode 2462MHz Remark: N/A



No	. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	Χ	2469.300	101.09	1.11	102.20	Fundamental	Frequency	peak
2	*	2470.000	90.19	1.11	91.30	Fundamental	Frequency	AVG
3		2483.500	47.80	1.17	48.97	74.00	-25.03	peak
4		2483.500	36.39	1.17	37.56	54.00	-16.44	AVG



A Maria		771:13	CALL TO SERVICE						
EUT:	32"IDISPLAY	Model Name :	UIT232B-B06						
Temperature:	25 ℃	Relative Humidity:	55%						
Test Voltage:	AC 120V/60 Hz	(1) T	and a						
Ant. Pol.	Vertical	Vertical							
Test Mode:	TX N(HT20) Mode 2462	MHz							

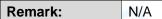


No	o. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	O∨er	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	2458.800	87.28	1.06	88.34	Fundamental F	Frequency	AVG
2	Χ	2458.900	98.85	1.06	99.91	Fundamental F	Frequency	peak
3		2483.500	45.56	1.17	46.73	74.00	-27.27	peak
4		2483.500	33.01	1.17	34.18	54.00	-19.82	AVG

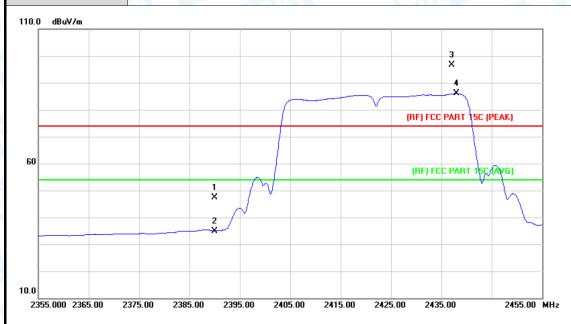


EUT:	32"IDISPLAY	Model Name :	UIT232B-B06
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60 Hz	131	
Ant. Pol.	Horizontal		

TX N(HT40) Mode 2422MHz



Test Mode:



N	o. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	46.71	0.77	47.48	74.00	-26.52	peak
2		2390.000	34.22	0.77	34.99	54.00	-19.01	AVG
3	Х	2437.000	95.57	0.97	96.54	Fundamental F	requency	peak
4	*	2438.000	85.04	0.98	86.02	Fundamental F	requency	AVG



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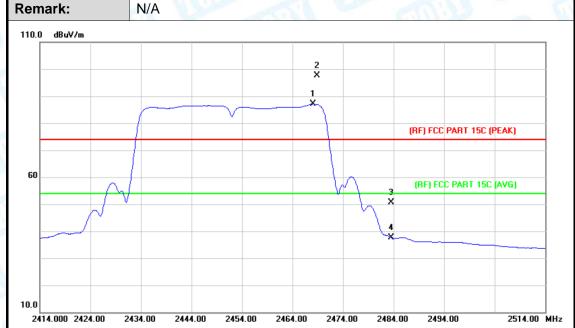
EUT	:		32"	DISPLA'	Y	3 N	Model	Name	:	UIT23	32B-B0)6	
Tem	peratu	e:	25 °	C			Relativ	e Hun	nidity:	55%	a 1		
Test	Voltag	e:	AC 1	20V/60	Hz		W.	100	6				
Ant.	Pol.		Verti	cal		HAI		-	7 N			THE	
Test	Mode:		TXN	(HT40)	Mode	2422N	1Hz	11175		-	11/11		
Rem	nark:		N/A	W		1	11		e III	133			M
110.0) dBuV/m												
									4 ×				
							3 X						
								V	(RF) F	CC PART	15C (PEAK)	
60									(RF)	FCC PART	15C LAVE	. i)	
					1 X	$\wedge \forall$					W/		
					2 X	/					V		
10.0													
	955.000 236	5.00 2	2375.00	2385.00	2395.	00 240	5.00 241	5.00 2	425.00 2	435.00	2	455.00 I	MHz
				Read	ina	Corre	ct Me	asure-					
N	lo. Mk	. Fr	eq.	Leve	_	Facto	or m	ent	Limit	t C	∨er		
		М	Hz	dBu'	V	dB/m	dE	BuV/m	dBuV	/m	dB	Detec	tor
1		2390	.000	46.5	52	0.77	4	7.29	74.0	00 -2	26.71	pea	ık
2		2390	.000	35.2	25	0.77	3	6.02	54.0	00 -1	17.98	AV	G
3	*	2412	.500	83.0	00	0.86	8	3.86	Fundame	ntal Frequ	uency	AV	G
4	Х	2425	.200	93.6	9	0.93	9	4.62	Fundame	ntal Frequ	uency	pea	ık



EUT: 32"IDISPLAY Model Name: UIT232B-B06
Temperature: 25 °C Relative Humidity: 55%

Test Voltage: AC 120V/60 Hz

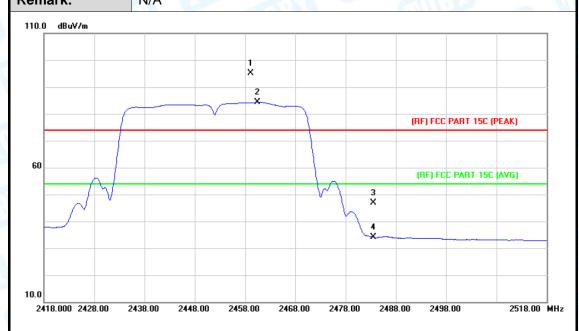
Ant. Pol. Horizontal
Test Mode: TX N(HT40) Mode 2452MHz



No	. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	O∨er	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	2468.100	85.91	1.11	87.02	Fundamental	Frequency	AVG
2	Χ	2468.800	96.43	1.11	97.54	Fundamental	Frequency	peak
3		2483.500	49.50	1.17	50.67	74.00	-23.33	peak
4		2483.500	36.52	1.17	37.69	54.00	-16.31	AVG



EUT: 32"IDISPLAY **Model Name:** UIT232B-B06 Temperature: **25** ℃ **Relative Humidity:** 55% AC 120V/60 Hz **Test Voltage:** Ant. Pol. Vertical **Test Mode:** TX N(HT40) Mode 2452MHz Remark: N/A



No	. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	Χ	2459.200	94.03	1.06	95.09	Fundamental	Frequency	peak
2	*	2460.400	83.24	1.06	84.30	Fundamental	Frequency	AVG
3		2483.500	45.63	1.17	46.80	74.00	-27.20	peak
4		2483.500	32.95	1.17	34.12	54.00	-19.88	AVG

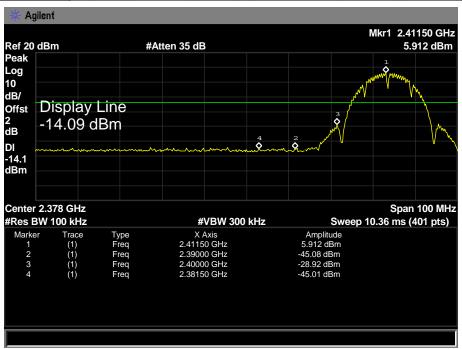


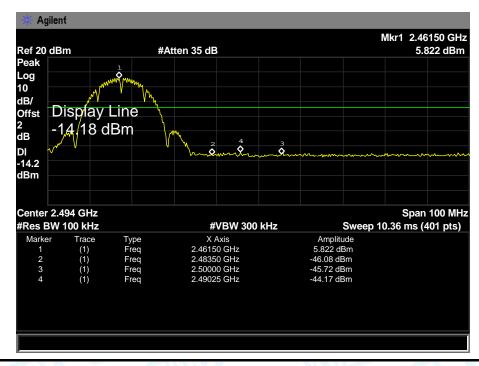


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(2) Conducted Test

EUT:	32"IDISPLAY	Model Name :	UIT232B-B06					
Temperature:	25 ℃	Relative Humidity:	55%					
Test Voltage:	AC 120V/60 Hz							
Test Mode:	TX B Mode 2412MHz / T	TX B Mode 2412MHz / TX B Mode 2462MHz						
Remark:	The EUT is programed in	The EUT is programed in continuously transmitting mode						



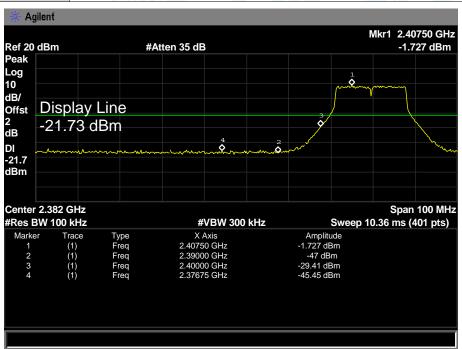


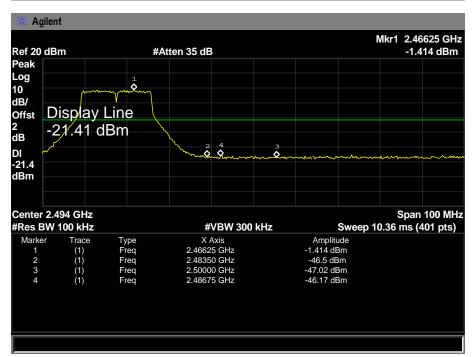






EUT:	32"IDISPLAY	Model Name :	UIT232B-B06					
Temperature:	25 ℃	Relative Humidity:	55%					
Test Voltage:	AC 120V/60 Hz	01 - 6	Will be					
Test Mode:	TX G Mode 2412MHz / T	TX G Mode 2412MHz / TX G Mode 2462MHz						
Remark:	The EUT is programed in continuously transmitting mode							



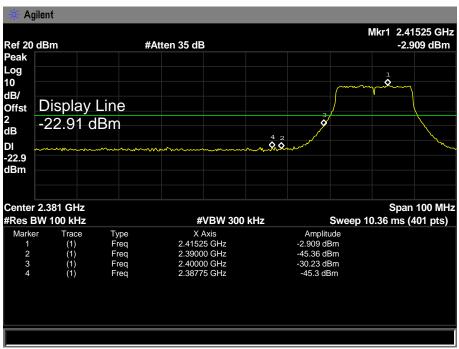


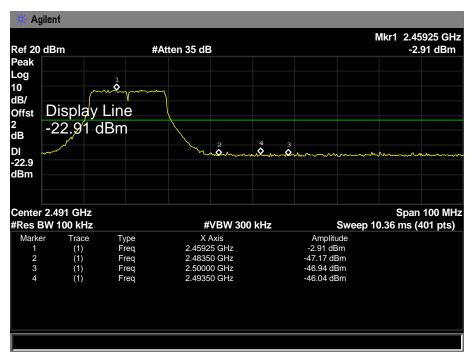




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EUT:	32"IDISPLAY	Model Name :	UIT232B-B06					
Temperature:	25 °C Relative Humidity: 55%							
Test Voltage:	AC 120V/60 Hz	01 - 0						
Test Mode:	TX N(HT20) Mode 2412N	TX N(HT20) Mode 2412MHz / TX N(HT20) Mode 2462MHz						
Remark:	The EUT is programed in continuously transmitting mode							



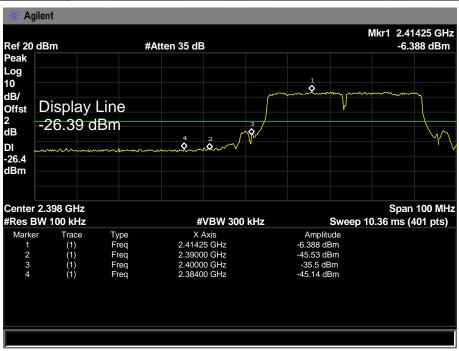


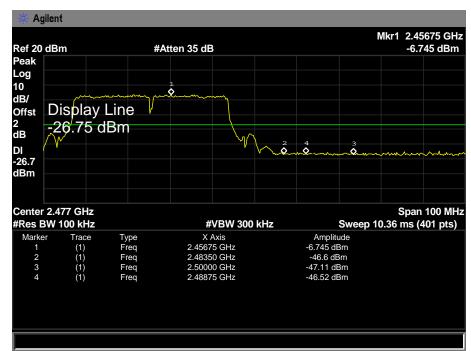




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EUT:	32"IDISPLAY	Model Name :	UIT232B-B06						
Temperature:	25 °C Relative Humidity: 55%								
Test Voltage:	AC 120V/60 Hz	01 - 0							
Test Mode:	TX N(HT40) Mode 2422N	TX N(HT40) Mode 2422MHz / TX N(HT40) Mode 2452MHz							
Remark:	The EUT is programed in continuously transmitting mode								







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7. Bandwidth Test

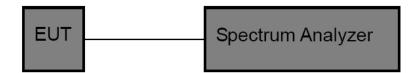
7.1 Test Standard and Limit

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 Issue 1				
Test Item	Test Item Limit Frequency Range(MHz)			
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, Midle and high channel for the test.

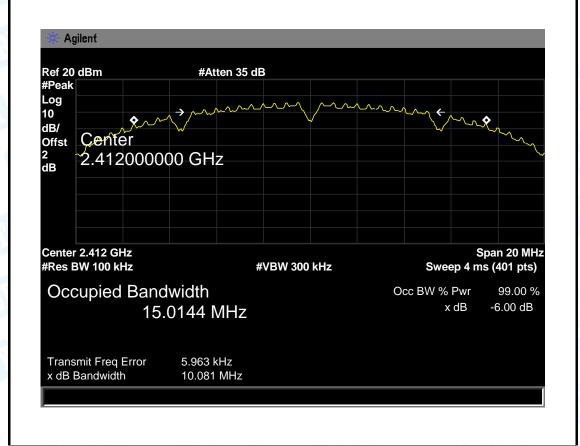


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7.5 Test Data

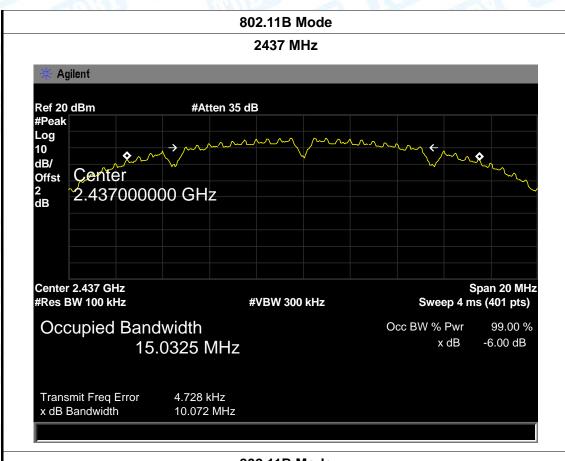
EUT:	32"IDISPLAY	Model Name :	UIT232B-B06
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60 Hz		CAN DE
Test Mode:	TX 802.11B Mode		
Channel frequen	cy 6dB Bandwidth	99% Bandwidth	Limit
(MHz)	(MHz)	(MHz)	(MHz)
2412	10.081	15.0144	
2437	10.072	15.0325	>=0.5
2462	10.067	15.0140	

802.11B Mode





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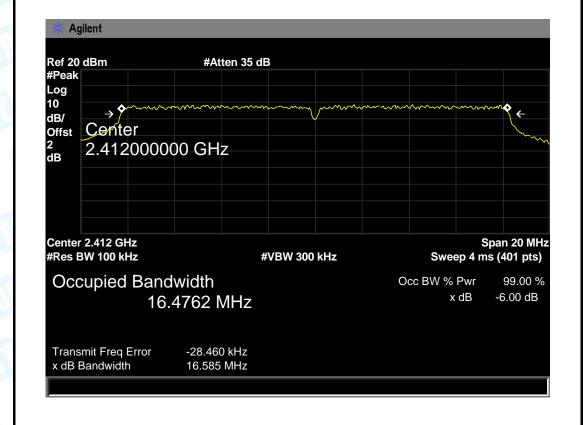
802.11B Mode 2462 MHz Agilent Ref 20 dBm #Atten 35 dB #Peak Log 10 dB/ Center Offst 2 dB 2.462000000 GHz Center 2.462 GHz Span 20 MHz #Res BW 100 kHz **#VBW 300 kHz** Sweep 4 ms (401 pts) Occupied Bandwidth Occ BW % Pwr 99.00 % -6.00 dB x dB 15.0140 MHz Transmit Freq Error 3.929 kHz x dB Bandwidth 10.067 MHz



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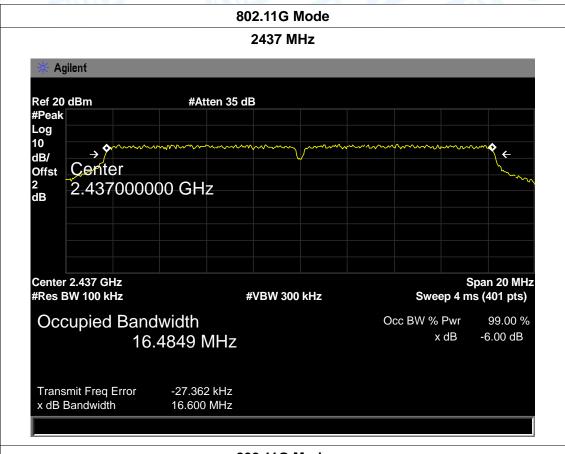


EUT:	32"IDISPLAY	Model Name :	UIT232B-B06	
Temperature:	25 ℃	Relative Humidity:	55%	
Test Voltage:	AC 120V/60 Hz	U. S.		
Test Mode:	: TX 802.11G Mode			
Channel frequence	cy 6dB Bandwidth	99% Bandwidth	Limit	
(MHz)	(MHz)	(MHz)	(MHz)	
2412	16.585	16.4762		
2437	16.600	16.4849	>=0.5	
2462	16.583	16.4813		
802.11G Mode				





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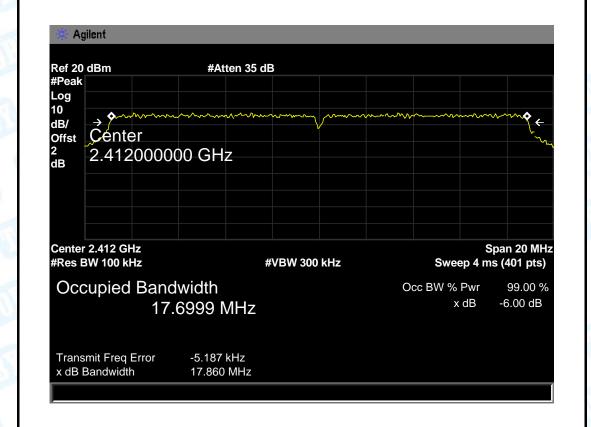
802.11G Mode 2462 MHz Agilent Ref 20 dBm #Atten 35 dB #Peak Log 10 → **^** Center dB/ Offst 2 dB 2.462000000 GHz Center 2.462 GHz Span 20 MHz #Res BW 100 kHz **#VBW 300 kHz** Sweep 4 ms (401 pts) Occupied Bandwidth Occ BW % Pwr 99.00 % -6.00 dB x dB 16.4813 MHz Transmit Freq Error -29.249 kHz x dB Bandwidth 16.583 MHz



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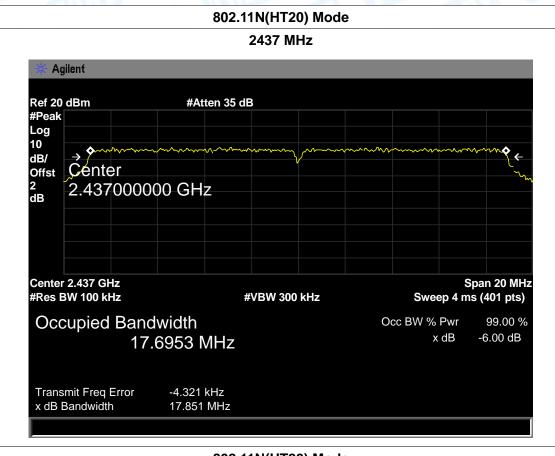


EUT:	32"IDISPLAY	Model Name :	UIT232B-B06	
Temperature:	25 ℃	Relative Humidity:	55%	
Test Voltage:	AC 120V/60 Hz	U. A. I		
Test Mode:	ode: TX 802.11N(HT20) Mode			
Channel frequen	cy 6dB Bandwidth	99% Bandwidth	Limit	
(MHz)	(MHz)	(MHz)	(MHz)	
2412	17.860	17.6999		
2437	17.851	17.6953	>=0.5	
2462	2462 17.862			
802.11N(HT20) Mode				





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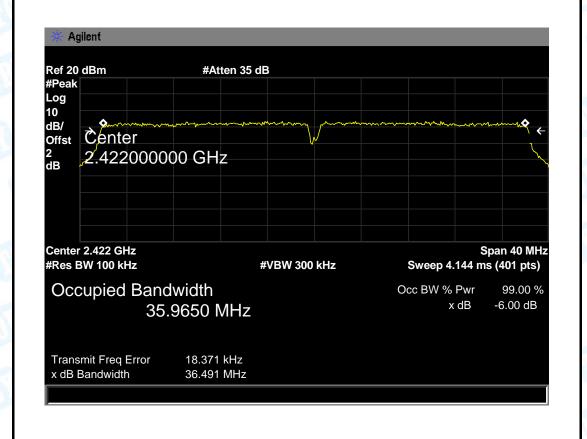


802.11N(HT20) Mode 2462 MHz Agilent Ref 20 dBm #Atten 35 dB #Peak Log 10 dB/ Çenter Offst 2 dB 2.462000000 GHz Center 2.462 GHz Span 20 MHz #Res BW 100 kHz **#VBW 300 kHz** Sweep 4 ms (401 pts) Occupied Bandwidth Occ BW % Pwr 99.00 % -6.00 dB x dB 17.7059 MHz Transmit Freq Error -5.340 kHz x dB Bandwidth 17.862 MHz



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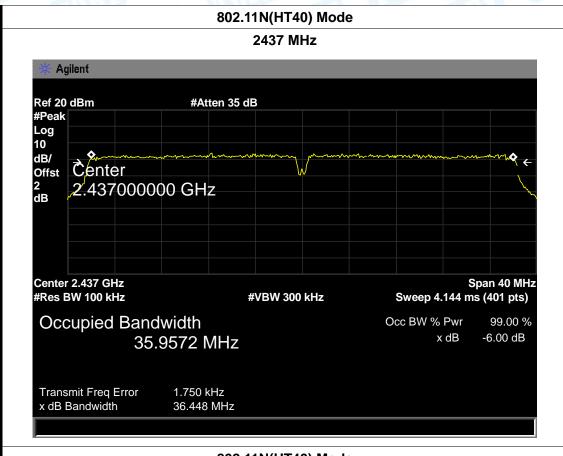
EUT:	32"IDISPLAY	Model Name :	UIT232B-B06
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60 Hz	(A)	
Test Mode:	TX 802.11N(HT40) Mode		
Channel frequence	cy 6dB Bandwidth	99% Bandwidth	Limit
(MHz)	(MHz)	(MHz)	(MHz)
0.400			
2422	36.491	35.9650	
2422	36.491 36.448	35.9650 35.9572	>=0.5
			>=0.5





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802.11N(HT40) Mode 2452 MHz Agilent Ref 20 dBm #Atten 35 dB #Peak Log 10 dB/ Center Offst 2 dB 2.452000000 GHz Center 2.452 GHz Span 40 MHz #Res BW 100 kHz Sweep 4.144 ms (401 pts) **#VBW 300 kHz** Occupied Bandwidth Occ BW % Pwr 99.00 % -6.00 dB 35.9618 MHz x dB Transmit Freq Error 15.435 kHz x dB Bandwidth 36.481 MHz



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8. Peak Output Power Test

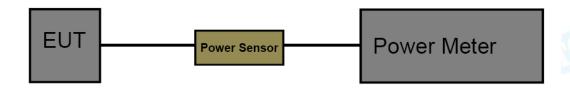
8.1 Test Standard and Limit

8.1.1 Test Standard FCC Part 15.247 (b)

8.1.2 Test Limit

FCC Part 15 Subpart C(15.247)/ RSS 247 Issue 1				
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 measurement is according to section 9.1.2 of KDB 558074 D01 DTS Meas Guidance v03r03.

The EUT was connected to RF power meter via a broadband power sensor as show the block above. The power sensor video bandwidth is greater than or equal to the DTS bandwidth of the equipment.

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:	32"IDISPLAY	Model Name :	UIT232B-B06	
Temperature:	25 ℃	Relative Humidity:	55%	
Test Voltage:	AC 120V/60 Hz			
Mode	Channel frequency (MHz)	Test Result (dBm)	Limit (dBm)	
	2412	19.35		
802.11b	2437	19.41		
	2462	19.64		
	2412	17.85		
802.11g	2437	18.02		
	2462	17.85	30	
000 44 =	2412	16.95	30	
802.11n (HT20)	2437	16.93		
(11120)	2462	16.84		
902 44 =	2422	14.23		
802.11n (HT40)	2437	14.23		
(11140)	2452	14.13		



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9. Power Spectral Density Test

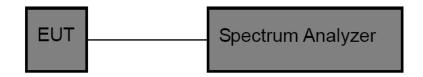
9.1 Test Standard and Limit

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(MHz)					
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 frequency.
- (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.

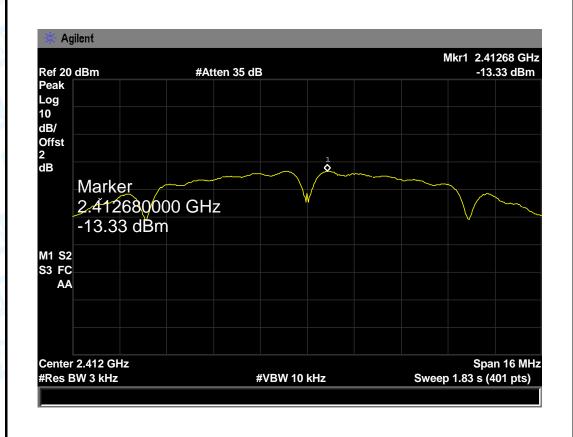


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9.5 Test Data

EUT:	32"IDISP	LAY	Model Name :	UIT232B-B06
Temperature:	25 ℃	610	Relative Humidity:	55%
Test Voltage:	AC 120V/	AC 120V/60 Hz		
Test Mode:	TX 802.11B Mode			
Channel Frequency	uency	Power Density		Limit (dBm)
(MHz)		(3 kHz/dBm)		
2412		-13.33		
2437		-13.26		8
2462		-13.27		
802.11B Mode				

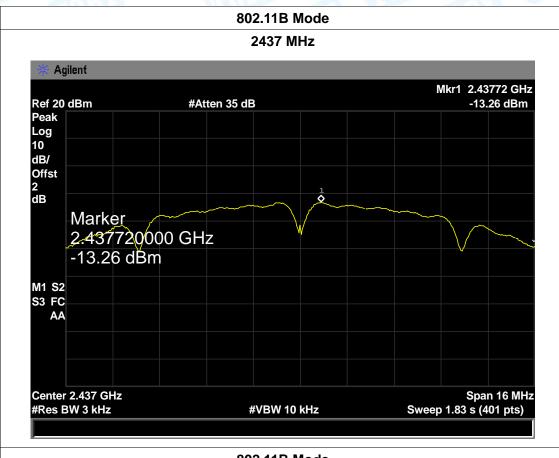
802.11B Mod







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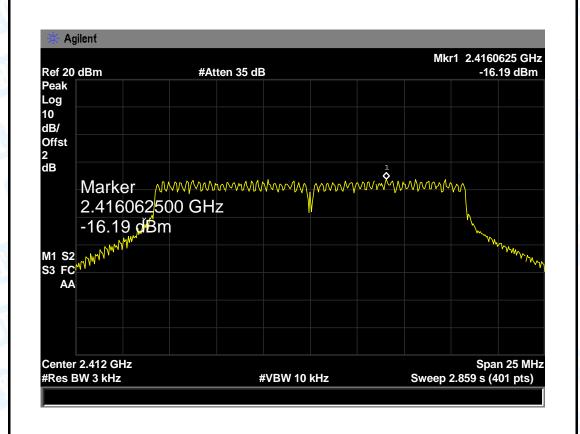


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EUT:	32"IDISP	LAY	Model Name	:	UIT232B-B06
Temperature:	25 ℃	WHITE I	Relative Hum	idity:	55%
Test Voltage:	AC 120V/	AC 120V/60 Hz			
Test Mode:	TX 802.1	1G Mode			
Channel Frequency	uency	Power Density			Limit (dBm)
(MHz)		(3 kH	lz/dBm)		

Channel Frequency	Power Density	Limit (dBm)
(MHz)	(3 kHz/dBm)	
2412	-16.19	
2437	-16.50	8
2462	-16.35	

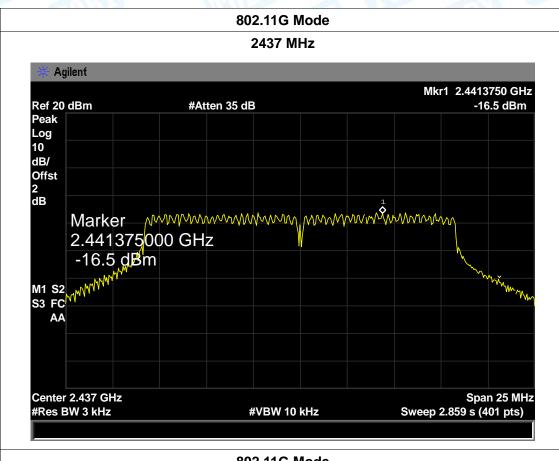
802.11G Mode

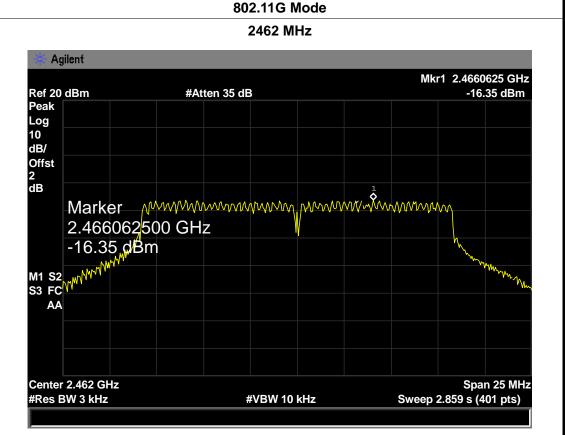






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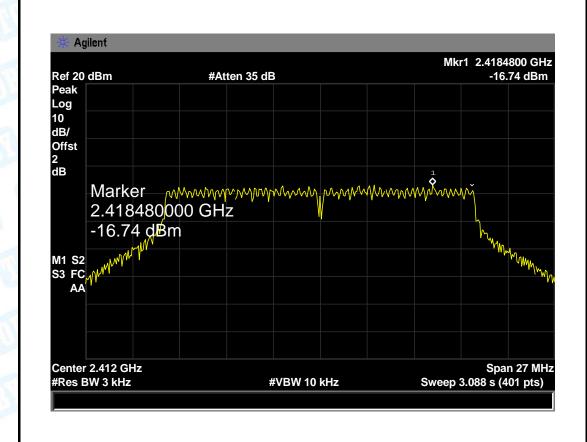
THE STATE OF THE S			
EUT:	32"IDISPLAY	Model Name :	UIT232B-B06
Temperature:	25 ℃	Relative Humidity:	55%

Test Voltage: AC 120V/60 Hz

Test Mode: TX 802.11N(HT20) Mode

Channel Frequency	Power Density	Limit (dBm)
(MHz)	(3 kHz/dBm)	
2412	-16.74	
2437	-16.83	8
2462	-16.68	
·		The state of the s

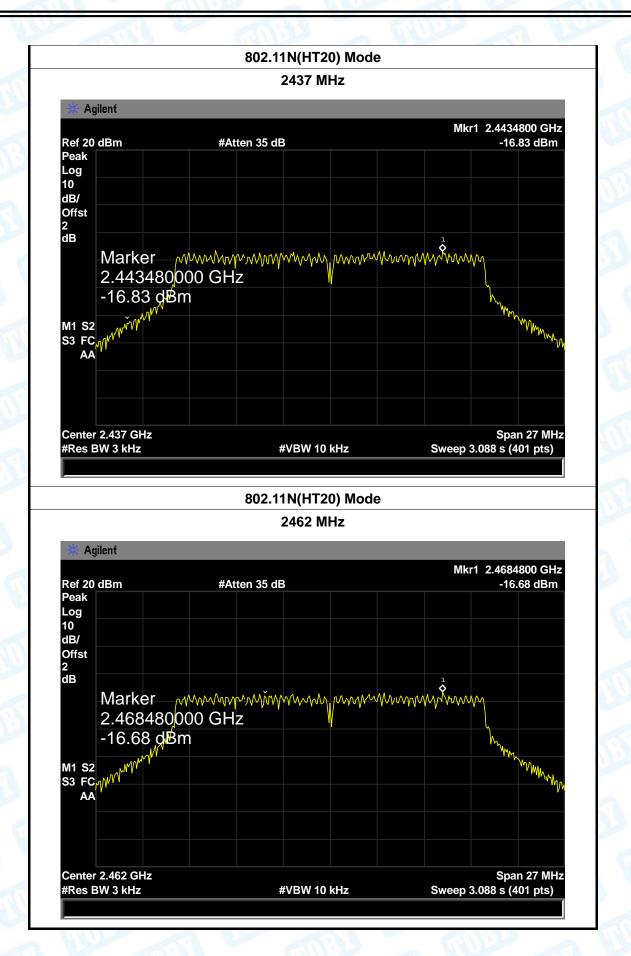
802.11N(HT20) Mode











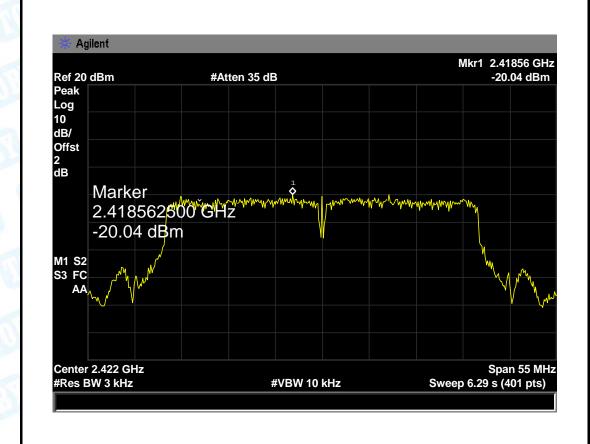


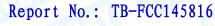
Report No.: TB-FCC145816 Page: 91 of 93

EUT:	32"IDISP	LAY	Model Name :	UIT232B-B06
Temperatur	re: 25 °C		Relative Humidity	: 55%
Test Voltage	e: AC 120V	AC 120V/60 Hz		
Test Mode:	TX 802.1	TX 802.11N(HT40) Mode		
Channel Frequency		Power	Density	Limit (dBm)

Channel Frequency	Power Density	Limit (dBm)
(MHz)	(3 kHz/dBm)	
2422	-20.04	
2437	-18.01	8
2452	-19.87	
	•	

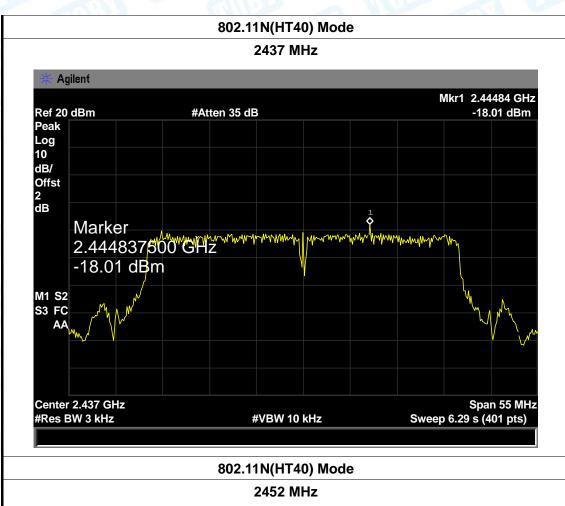
802.11N(HT40) Mode







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Agilent Mkr1 2.44416 GHz Ref 20 dBm #Atten 35 dB -19.87 dBm Peak Log 10 dB/ Offst 2 dB Marker 2.444162500 GHz -19.87 dBm M1 S2 S3 FC Center 2.452 GHz Span 55 MHz #Res BW 3 kHz #VBW 10 kHz Sweep 6.29 s (401 pts)



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

Result

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

Antenna Type		
	▼ Permanent attached antenna	
	□ Unique connector antenna	
	□ Professional installation antenna	