

Shenzhen Toby Technology Co., Ltd.

Report No.: TB-FCC154914

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FCC Radio Test Report FCC ID: 2AMQR-101

Original Grant

Report No. TB-FCC154914

Shenzhen Zhixingsheng Electronic Co., Ltd **Applicant**

Equipment Under Test (EUT)

EUT Name Ads machine

10.1" Model No.

Series Model No. 7", 13.3", 15.6", 18.5", 23.5", 27", 32"

N/A **Brand Name**

Receipt Date 2017-06-22

2017-06-23 to 2017-06-28 **Test Date**

Issue Date 2017-07-01

Standards FCC Part 15, Subpart C (15.247:2016)

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.

TB-RF-074-1.0

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1. General Information about EUT

1.1 Client Information

Applicant: Shenzhen Zhixingsheng Electronic Co., Ltd

Address : 4/F, Building F.No.8 of East Zone, Shangxue Science Park, Bantian,

Jihua Road, Longgang Disctrict, Shenzhen, China

Manufacturer : Shenzhen Zhixingsheng Electronic Co., Ltd

Address: 4/F, Building F.No.8 of East Zone, Shangxue Science Park, Bantian,

Jihua Road, Longgang Disctrict, Shenzhen, China

1.2 General Description of EUT (Equipment Under Test)

EUT Name		Ads machine			
Models No.		7", 10.1", 13.3", 15.6",	18.5", 23.5", 27", 32"		
		entical in the same PCB layout and electrical			
		Operation Frequency:	802.11b/g/n(HT20): 2412MHz~2462MHz		
		Number of Channel:	802.11b/g/n(HT20):11 channels see note(3)		
		RF Output Power:	802.11b: 8.39dBm 802.11g: 7.59dBm 802.11n (HT20): 7.99dBm		
Product	4	Antenna Gain:	4.3dBi FPC Antenna		
Description		Modulation Type:	802.11b: DSSS(CCK, DQPSK, DBPSK) 802.11g/n: OFDM(BPSK,QPSK,16QAM, 64QAM)		
		Bit Rate of Transmitter:	802.11b:11/5.5/2/1 Mbps 802.11g:54/48/36/24/18/12/9/6 Mbps 802.11n:up to 150Mbps		
Power Supply		DC Voltage supplied by	DC Voltage supplied by AC/DC Adapter.		
Power Rating	•	AC/DC Adapter (K-T100502000U): Input: AC 100~240V, 50/60Hz, 0.35A. Output: DC 5V, 2.0A.			
Connecting I/O Port(S)	:	Please refer to the Use	er's Manual		

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 v04.
- (2) For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.
- (3) Channel List:

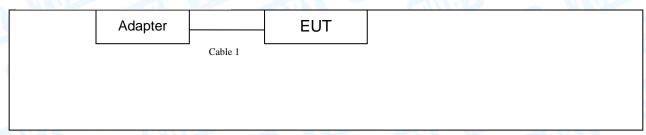


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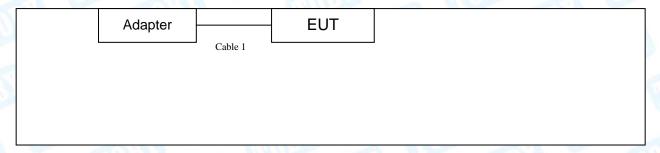
	CONTRACTOR OF THE PARTY OF THE				471
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
01	2412	05	2432	09	2452
02	2417	06	2437	10	2457
03	2422	07	2442	11	2462
04	2427	80	2447		
Note: CH 01~CH 1	1 for 802.11b/g/n(HT2	20)			

- (4) The Antenna information about the equipment is provided by the applicant.
- 1.3 Block Diagram Showing the Configuration of System Tested

Normal Mode+ TX Mode



TX mode



1.4 Description of Support Units

Equipment Information				
Name	Model	FCC ID/VOC	Manufacturer	Used "√"
33		THURSDAY	Contract of the	33
		Cable Information		
Number	Shielded Type	Ferrite Core	Length	Note
Cable 1	YES	NO	1.0M	3 0

1.5 Description of Test Mode

To investigate the maximum EMI emission characteristics generates from EUT, the test



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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	Normal Mode with TX B Mode

For Radiated Test				
Final Test Mode	Description			
Mode 2	TX Mode B Mode Channel 01/06/11			
Mode 3	TX Mode G Mode Channel 01/06/11			
Mode 4	TX Mode N(HT20) Mode Channel 01/06/11			

Note:

(1) For all test, we have verified the construction and function in typical operation. And all the test modes were carried out with the EUT in transmitting operation in maximum power with all kinds of data rate.

According to ANSI C63.10 standards, the measurements are performed at the highest, Middle, lowest available channels, and the worst case data rate as follows:

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

802.11n (HT20) Mode: MCS 0 (6.5 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 portable unit; in normal use it was positioned on X-plane. The worst case was found positioned on X-plane. Therefore only the test data of this X-plane was used for radiated emission measurement test.



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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	RfTestTool.apk		
Channel	CH 01	CH 06	CH 11
IEEE 802.11b DSSS	DEF	DEF	DEF
IEEE 802.11g OFDM	DEF	DEF	DEF
IEEE 802.11n (HT20)	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
Padiated Emission	Level Accuracy:	. 4 60 dB
Radiated Emission	9kHz to 30 MHz	±4.60 dB
Padiated 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 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.



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2. Test Summary

	FCC Part	t 15 Subpart C(15.247)/ RSS 247	Issue 1		
Standa	rd Section	Test Item	Judgment	Remark	
FCC	IC	rest 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	6dB Bandwidth	PASS	N/A	
13.247 (a)(2)	5.2 (1)	odb Baridwidti			
15.247(b)	RSS 247	Peak Output Power	PASS	N/A	
13.247 (0)	5.4 (4)	Teak Output Tower			
15.247(e)	RSS 247	Power Spectral Density	PASS	N/A	
15.247 (e)	5.2 (2)	Power Spectral Delisity	PASS	IN/A	
15.247(d)	RSS 247	Pand Edga	PASS	NI/A	
15.247 (u)	5.5	Band Edge	PASS	N/A	
15.247(d)&	RSS 247	Transmitter Radiated Spurious	PASS	NI/A	
15.209	5.5	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	d Emission Te	st			
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date
EMI Test Receiver	Rohde & Schwarz	ESCI	100321	Jul. 20, 2017	Jul. 19, 2018
RF Switching Unit	Compliance Direction Systems Inc	RSU-A4	34403	Jul. 20, 2017	Jul. 19, 2018
AMN	SCHWARZBECK	NNBL 8226-2	8226-2/164	Jul. 20, 2017	Jul. 19, 2018
LISN	Rohde & Schwarz	ENV216	101131	Jul. 20, 2017	Jul. 19, 2018
Radiation	Emission Tes	t			
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date
Spectrum Analyzer	Agilent	E4407B	MY45106456	Jul. 20, 2017	Jul. 19, 2018
EMI Test Receiver	Rohde & Schwarz	ESPI	100010/007	Jul. 20, 2017	Jul. 19, 2018
Bilog Antenna	ETS-LINDGREN	3142E	00117537	Mar.25, 2017	Mar. 24, 201
Bilog Antenna	ETS-LINDGREN	3142E	00117542	Mar.25, 2017	Mar. 24, 201
Horn Antenna	ETS-LINDGREN	3117	00143207	Mar.24, 2017	Mar. 23, 201
Horn Antenna	ETS-LINDGREN	3117	00143209	Mar.24, 2017	Mar. 23, 201
Loop Antenna	Laplace instrument	RF300	0701	Mar.24, 2017	Mar. 23, 201
Pre-amplifier	Sonoma	310N	185903	Mar.25, 2017	Mar. 24, 201
Pre-amplifier	HP	8449B	3008A00849	Mar.24, 2017	Mar. 23, 201
Cable	HUBER+SUHNER	100	SUCOFLEX	Mar.25, 2017	Mar. 24, 201
Positioning Controller	ETS-LINDGREN	2090	N/A	N/A	N/A
Antenna C	onducted Em	ission			
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date
Spectrum Analyzer	Agilent	E4407B	MY45106456	Jul. 20, 2017	Jul. 19, 2018
Spectrum Analyzer	Rohde & Schwarz	ESCI	100010/007	Jul. 20, 2017	Jul. 19, 2018
Power Meter	Anritsu	ML2495A	25406005	Jul. 20, 2017	Jul. 19, 2018
Power Sensor	Anritsu	ML2411B	25406005	Jul. 20, 2017	Jul. 19, 2018



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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

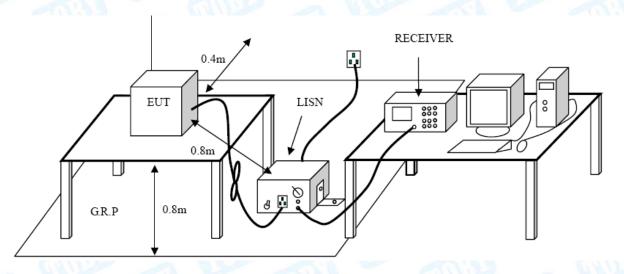
Conducted Emission Test Limit

Transport (MIN)	Maximum RF Line Voltage (dBμV)		
Frequency	Quasi-peak Level	Average Level	
150kHz~500kHz	66 ~ 56 *	56 ~ 46 *	
500kHz~5MHz	56	46	
5MHz~30MHz	60	50	

Notes:

- (1) *Decreasing linearly with logarithm of the frequency.
- (2) The lower limit shall apply at the transition frequencies.
- (3) The limit decrease in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

4.2 Test Setup



4.3 Test Procedure

The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/50uH of coupling impedance for the measuring instrument.

Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.



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

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

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

4.4 EUT Operating Mode

Please refer to the description of test mode.

4.5 Test Data

Please see the next page.



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EUT:	Ads machine Model Name :				10.1"	
Temperature:	25 ℃	Relative Humidity: 55%			A River	
Test Voltage:	AC 120V/60Hz	A COLO	810	(A)	U.S.	
Terminal:	Line	a WU		1 6	100	W.
Test Mode:	Normal Mode v	vith TX B Mod	e		1 N	KUL
Remark:	Only worse cas	se is reported	1	CITI I	30	
90.0 dBuV					QP:	
					AVG:	
				x		
y Muny	X X	Marine Ma	harding contains	Land Control of the C	The state of the s	havy.
40	My My My My Tarl	Whythere	Marcher March	a postului	~ Willy	Total .
W M	WMW VOLV	MANAMANA MARINA	Washington - was again.	www.	Alexandria (
	, ,	*,				peak
						∀AVG
-10						
0.150	0.5	(MHz)	5			30.000
	Reading		Measure-			
	req. Level	Factor	ment	Limit	Over	
	Hz dBuV	dB	dBuV	dBu∨	dB	Detector
1 0.2	100 12.19	10.02	22.21	63.20	-40.99	QP
2 0.2	100 -1.95	10.02	8.07	53.20	-45.13	AVG
3 0.64	460 12.38	10.09	22.47	56.00	-33.53	QP
4 0.64	460 2.24	10.09	12.33	46.00	-33.67	AVG
5 1.93	380 22.11	10.06	32.17	56.00	-23.83	QP
6 1.93	380 5.92	10.06	15.98	46.00	-30.02	AVG
7 * 2.59	940 24.22	10.04	34.26	56.00	-21.74	QP
7 * 2.59 8 2.59	940 24.22 940 9.83	10.04 10.04	34.26 19.87	56.00 46.00	-21.74 -26.13	QP AVG
7 * 2.59 8 2.59 9 10.00	940 24.22 940 9.83 338 11.33	10.04 10.04 10.16	34.26 19.87 21.49	56.00 46.00 60.00	-21.74 -26.13 -38.51	QP AVG QP
7 * 2.59 8 2.59 9 10.00 10 10.00	940 24.22 940 9.83 338 11.33 338 -3.11	10.04 10.04 10.16 10.16	34.26 19.87 21.49 7.05	56.00 46.00 60.00 50.00	-21.74 -26.13 -38.51 -42.95	QP AVG QP AVG
7 * 2.59 8 2.59 9 10.00 10 10.00 11 17.60	940 24.22 940 9.83 338 11.33 338 -3.11 018 22.03	10.04 10.04 10.16 10.16 10.21	34.26 19.87 21.49 7.05 32.24	56.00 46.00 60.00 50.00	-21.74 -26.13 -38.51 -42.95 -27.76	QP AVG QP AVG QP
7 * 2.59 8 2.59 9 10.00 10 10.00	940 24.22 940 9.83 338 11.33 338 -3.11 018 22.03	10.04 10.04 10.16 10.16	34.26 19.87 21.49 7.05	56.00 46.00 60.00 50.00	-21.74 -26.13 -38.51 -42.95	QP AVG QP AVG



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	Ads machine Model Name :				10.1"		
Temperature:	re: 25 °C Relative Humidity: 55%				55%	A Bree	
Test Voltage:	AC 12	20V/60Hz		10	Cell	11:30	
Terminal:	Neutra	al	A POLICE		1 6		
Test Mode:	Norma	al Mode with	TX B Mode			a 1	N. L.
Remark:	Only v	worse case i	s reported	6	CIII)	10	
90.0 dBuV						QP:	
						AVG:	
		v					
WWY no	M is Naid	A. Mark	1.M. M	Mary Market	rik.		Į.
40	, MM	i. /w/ ////),	13. Malhadalar	1 May have an	Jay Pales	Herendangening	Mary Mary
MY	AAAI	1 1 1 1 1 1	лм				peal
W W	Ar Min	1 / M	MANATANAMA	Janes of the Carleton of the Control	enter de la	man manyar	AVG
		γ .					
-10							
0.150	0.5		(MHz)	5			30.000
		Reading	Correct	Measure-	1	0	
No. Mk. F	req.	Level	Factor	ment	Limit	Over	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
	MHz 2260	dBu√ 32.70	dB 10.11	dBu√ 42.81		dB -19.78	Detector
1 * 0.2					62.59		
1 * 0.2	2260	32.70	10.11	42.81	62.59 52.59	-19.78	QP
1 * 0.2 2 0.2 3 0.6	2260 2260	32.70 13.34	10.11	42.81 23.45	62.59 52.59 56.00	-19.78 -29.14	QP AVG QP
1 * 0.2 2 0.2 3 0.6 4 0.6	2260 2260 6540	32.70 13.34 10.79	10.11 10.11 10.02	42.81 23.45 20.81	62.59 52.59 56.00 46.00	-19.78 -29.14 -35.19	QP AVG QP
1 * 0.2 2 0.2 3 0.6 4 0.6 5 1.2	2260 2260 3540 3540 2260	32.70 13.34 10.79 0.18 15.38	10.11 10.11 10.02 10.02	42.81 23.45 20.81 10.20 25.52	62.59 52.59 56.00 46.00 56.00	-19.78 -29.14 -35.19 -35.80 -30.48	QP AVG QP AVG QP
1 * 0.2 2 0.2 3 0.6 4 0.6 5 1.2 6 1.2	2260 2260 3540 3540 2260 2260	32.70 13.34 10.79 0.18 15.38 5.34	10.11 10.11 10.02 10.02 10.14 10.14	42.81 23.45 20.81 10.20 25.52 15.48	62.59 52.59 56.00 46.00 56.00	-19.78 -29.14 -35.19 -35.80 -30.48 -30.52	QP AVG QP AVG QP AVG
1 * 0.2 2 0.2 3 0.6 4 0.6 5 1.2 6 1.2 7 1.3	2260 2260 3540 3540 2260 2260 7460	32.70 13.34 10.79 0.18 15.38 5.34 22.19	10.11 10.11 10.02 10.02 10.14 10.14 10.09	42.81 23.45 20.81 10.20 25.52 15.48 32.28	62.59 52.59 56.00 46.00 56.00 56.00	-19.78 -29.14 -35.19 -35.80 -30.48 -30.52 -23.72	QP AVG QP AVG QP AVG QP
1 * 0.2 2 0.2 3 0.6 4 0.6 5 1.2 6 1.2 7 1.3	2260 2260 3540 3540 2260 2260 7460	32.70 13.34 10.79 0.18 15.38 5.34 22.19 4.46	10.11 10.11 10.02 10.02 10.14 10.14 10.09	42.81 23.45 20.81 10.20 25.52 15.48 32.28 14.55	62.59 52.59 56.00 46.00 56.00 46.00 46.00	-19.78 -29.14 -35.19 -35.80 -30.48 -30.52 -23.72 -31.45	QP AVG QP AVG QP AVG QP AVG
1 * 0.2 2 0.2 3 0.6 4 0.6 5 1.2 6 1.2 7 1.7 8 1.7	2260 2260 6540 6540 2260 2260 7460 7460 6779	32.70 13.34 10.79 0.18 15.38 5.34 22.19 4.46 13.23	10.11 10.02 10.02 10.14 10.14 10.09 10.09	42.81 23.45 20.81 10.20 25.52 15.48 32.28 14.55 23.29	62.59 52.59 56.00 46.00 56.00 46.00 46.00 60.00	-19.78 -29.14 -35.19 -35.80 -30.48 -30.52 -23.72 -31.45 -36.71	QP AVG QP AVG QP AVG QP AVG
1 * 0.2 2 0.2 3 0.6 4 0.6 5 1.2 6 1.2 7 1.7 8 1.7 9 6.6 10 6.6	2260 2260 6540 6540 2260 2260 7460 7460 6779	32.70 13.34 10.79 0.18 15.38 5.34 22.19 4.46 13.23 4.19	10.11 10.11 10.02 10.02 10.14 10.14 10.09 10.09 10.06	42.81 23.45 20.81 10.20 25.52 15.48 32.28 14.55 23.29 14.25	62.59 52.59 56.00 46.00 56.00 46.00 60.00 50.00	-19.78 -29.14 -35.19 -35.80 -30.48 -30.52 -23.72 -31.45 -36.71 -35.75	QP AVG QP AVG QP AVG QP AVG
1 * 0.2 2 0.2 3 0.6 4 0.6 5 1.2 6 1.2 7 1.7 8 1.7 9 6.6 10 6.6	2260 2260 6540 6540 2260 2260 7460 7460 6779	32.70 13.34 10.79 0.18 15.38 5.34 22.19 4.46 13.23	10.11 10.02 10.02 10.14 10.14 10.09 10.09	42.81 23.45 20.81 10.20 25.52 15.48 32.28 14.55 23.29	62.59 52.59 56.00 46.00 56.00 46.00 60.00 50.00	-19.78 -29.14 -35.19 -35.80 -30.48 -30.52 -23.72 -31.45 -36.71	QP AVG QP AVG QP AVG QP AVG
1 * 0.2 2 0.2 3 0.6 4 0.6 5 1.2 6 1.2 7 1.3 8 1.3 9 6.6 10 6.6 11 20.3	2260 2260 6540 6540 2260 2260 7460 7460 6779	32.70 13.34 10.79 0.18 15.38 5.34 22.19 4.46 13.23 4.19	10.11 10.11 10.02 10.02 10.14 10.14 10.09 10.09 10.06	42.81 23.45 20.81 10.20 25.52 15.48 32.28 14.55 23.29 14.25	62.59 52.59 56.00 46.00 56.00 46.00 60.00 50.00	-19.78 -29.14 -35.19 -35.80 -30.48 -30.52 -23.72 -31.45 -36.71 -35.75	QP AVG QP AVG QP AVG QP AVG AVG



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EUT:	Ads machine		Model Nar	ne :	10.1"	
Temperature:	25 ℃	(81)	Relative H	umidity:	55%	ARTH
Test Voltage:	AC 240V/60Hz	1	811 6	(A)	11:30	
Terminal:	Line	A PROPERTY		J C	100	THE STATE OF
Test Mode:	Normal Mode wi	th TX B Mod	e			N. Land
Remark:	Only worse case	is reported			301	
40 -10 0.150	0.5	(MHz)	5	April 19 mary market	QP: AVG:	peak AVG
No. Mk. F	Reading req. Level	Correct Factor	Measure- ment	Limit	Over	
	IHz dBuV	dB	dBuV	dBu∨	dB	Detector
	460 29.43	10.02	39.45	61.89		QP
	460 9.42	10.02	19.44	51.89	-32.45	AVG
	700 15.18	10.10	25.28	56.00		QP
	700 5.72	10.10	15.82	46.00		AVG
5 1.2	100 12.78	10.06	22.84	56.00	-33.16	QP
	100 1.28	10.06	11.34	46.00	-34.66	AVG
	780 24.21	10.06	34.27	56.00		QP
	780 9.14	10.06	19.20	46.00		AVG
	500 12.55	10.03	22.58	56.00		QP
	500 -1.61	10.03	8.42	46.00		AVG
11 17.1		10.22	18.40	60.00		QP
12 17.1		10.22	5.53	50.00		AVG
	= Read Level+ Co					



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EUT:	Ads machine		Model Name	:	10.1"	100
Temperature:	25 ℃		Relative Hur	nidity:	55%	A Brown
Test Voltage:	AC 240V/60Hz		11	(71)	11:32	
Terminal:	Neutral	A Diffe		1 6		
Test Mode:	Normal Mode wit	h TX B Mode	e (\(\) \(\)		0 N	
Remark:	Only worse case	is reported	6		33	The state of the s
40 40 -10 0.150		(MHz)	**************************************	W/W/Jakeler	QP: AVG:	peak AVG
	req. Reading Level	Correct Factor	Measure- ment	Limit dBuV	Over	Detector
	419 11.96	10.11	22.07		-39.96	QP
	419 -0.51	10.11	9.60		-42.43	AVG
	660 14.05	10.02	24.07		-31.93	QP
	6660 4.76	10.02	14.78		-31.22	AVG
5 1.7	259 20.53	10.09	30.62	56.00	-25.38	QP
6 1.7	259 7.07	10.09	17.16	46.00	-28.84	AVG
7 3.8	3500 14.24	10.06	24.30	56.00	-31.70	QP
8 3.8	5.01	10.06	15.07	46.00	-30.93	AVG
9 8.8	899 10.35	10.12	20.47	60.00	-39.53	QP
10 8.8	8899 -3.54	10.12	6.58	50.00	-43.42	AVG
11 * 17.8	858 27.79	10.06	37.85	60.00	-22.15	QP
12 17.8	858 10.25	10.06	20.31	50.00	-29.69	AVG
Emission Levels	= Read Level+ Co	rrect Factor	,			



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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 (9 kHz~1000 MHz)

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	Distance of 3	m (dBuV/m)
(MHz)	Peak	Average
Above 1000	74	54

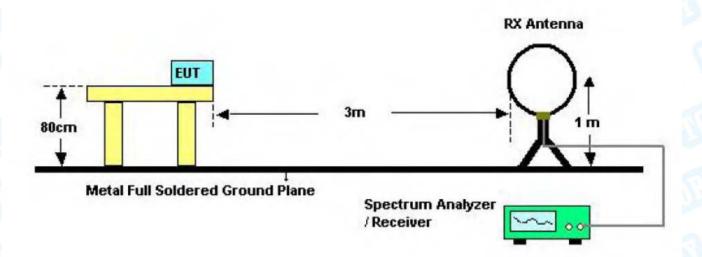
Note:

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

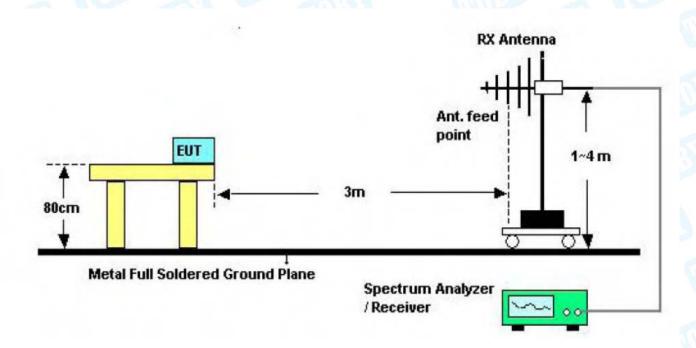


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5.2 Test Setup



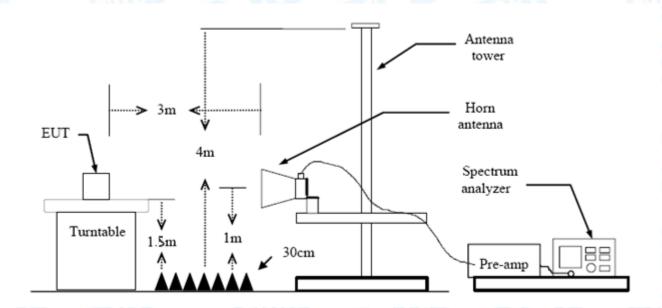
Below 30MHz Test Setup



Below 1000MHz Test Setup



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Above 1GHz Test Setup

5.3 Test Procedure

- (1) 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.
- (2) The Test antenna shall vary between 1m and 4m, Both Horizontal and Vertical antenna are set to make measurement.
- (3) 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.
- (4) 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.
- (5) Testing frequency range below 1GHz the measuring instrument use VBW=120 kHz with Quasi-peak detection.
- (6) 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.
- (7) 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.



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9KHz~30MHz

From 9KHz to 30MHz: Conclusion: PASS

Note: The amplitude of spurious emissions which are attenuated by more than 20dB

below the permissible value has no need to be reported.

30MHz~1GHz

EUT:	Ads m	achine	1	Model:		10.1"	Minn
Temperature:	25 ℃	CHILLIAN TO		Relative Hu	midity:	55%	
Test Voltage:	AC 12	0V/60Hz	MIND !		CHILL		
Ant. Pol.	Horizo	ontal	1			(IIII)	
Test Mode:	TXBI	Mode 2412N	ИHz	Break	100	No.	A
Remark:	Only v	vorse case i	s reported	- 4	M. Francisco	-	
80.0 dBuV/m							
30			MAN	2 34	(RF)FCC 15	Margin -6	
30.000 40	50 60 70		(MHz)	300	400 50	0 600 700	1000.00
No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detecto
1 4	7.9938	53.87	-23.65	30.22	40.00	-9.78	peak
2 23	9.9874	55.11	-18.18	36.93	46.00	-9.07	peak
3 29	2.0581	54.84	-16.81	38.03	46.00	-7.97	peak
4 30	5.6800	54.41	-16.43	37.98	46.00	-8.02	peak
5 67	7.5797	44.11	-6.50	37.61	46.00	-8.39	peak
6 * 72	1.7259	44.20	-6.00	38.20	46.00	-7.80	peak
*:Maximum dat	a x:Over lir	nit !:over mar					



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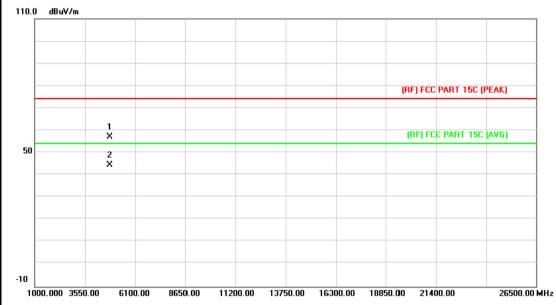
Tical B Mode 2412MHz Bly worse case is report 2 3 70 80 (MHz) Reading Correct Level Facto	300 400	55% CC 15C 3M Radiation Margin -6 d 4 5 6 X X X 500 600 700	
Thical B Mode 2412MHz Bly worse case is report 2 3 70 80 (MHz) Reading Correct	300 400	Margin -6 d	
B Mode 2412MHz ally worse case is report 2 3 70 80 (MHz) Reading Correct	300 400	Margin -6 d	
70 80 (MHz) Reading Correct	300 400	Margin -6 d	1000.000
70 80 (MHz) Reading Correct	300 400	Margin -6 d	
70 80 (MHz) Reading Correct	300 400	Margin -6 d	
_			
Level Facilo	r ment Limi	it Over	
dBuV dB/m	dBuV/m dBu\	V/m dB	Detecto
58.13 -23.72	34.41 40.	00 -5.59	peak
57.25 -21.85	35.40 43.	50 -8.10	peak
58.78 -21.51	37.27 43.	50 -6.23	peak
			peak
			peak
			peak
	57.25 -21.85 58.78 -21.51 51.45 -11.13 46.73 -8.67 46.06 -7.32	57.25 -21.85 35.40 43. 58.78 -21.51 37.27 43. 51.45 -11.13 40.32 46. 46.73 -8.67 38.06 46. 46.06 -7.32 38.74 46.	57.25 -21.85 35.40 43.50 -8.10 58.78 -21.51 37.27 43.50 -6.23 51.45 -11.13 40.32 46.00 -5.68 46.73 -8.67 38.06 46.00 -7.94 46.06 -7.32 38.74 46.00 -7.26



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Above 1GHz

Ads machine	Model:	10.1"					
25 °C Relative Humidity: 55%							
AC 120V/60Hz							
Horizontal							
TX B Mode 2412MHz							
No report for the emission which more than 10 dB below the prescribed limit.							
	25 °C AC 120V/60Hz Horizontal TX B Mode 2412MHz No report for the emission	25 °C Relative Humidity: AC 120V/60Hz Horizontal TX B Mode 2412MHz No report for the emission which more than 10 dB					

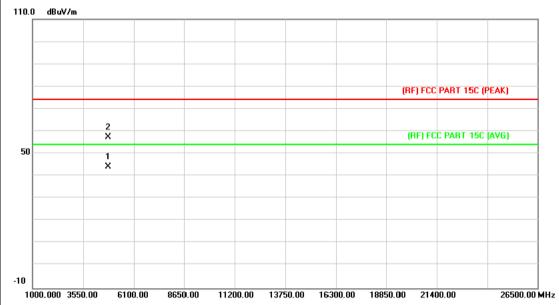


No.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4823.769	43.57	13.56	57.13	74.00	-16.87	peak
2	*	4824.162	30.90	13.56	44.46	54.00	-9.54	AVG



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EUT:	Ads machine Model: 10.1"							
Temperature:	25 °C Relative Humidity: 55%							
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz						
Ant. Pol.	Vertical	Vertical						
Test Mode:	TX B Mode 2412MHz							
Remark:	No report for the emission v	No report for the emission which more than 10 dB below the						
	prescribed limit.							
i e								

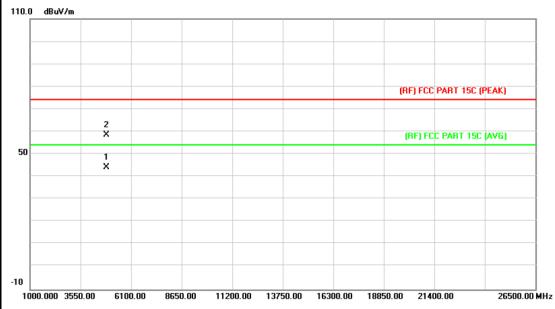


No	. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4823.946	30.67	13.56	44.23	54.00	-9.77	AVG
2		4825.455	43.87	13.57	57.44	74.00	-16.56	peak



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EUT:	Ads machine	Model:	10.1"			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60Hz					
Ant. Pol.	Horizontal	Horizontal				
Test Mode:	TX B Mode 2437MHz	MILES				
Remark: No report for the emission which more than 10 dB below the prescribed limit.						
F. 650						

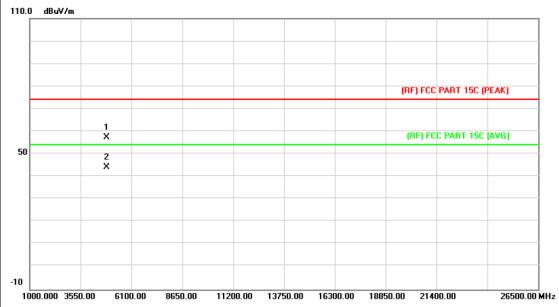


No	o. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4872.851	30.18	13.85	44.03	54.00	-9.97	AVG
2		4873.388	44.63	13.86	58.49	74.00	-15.51	peak



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EUT:	Ads machine	Model:	10.1"			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60Hz					
Ant. Pol.	Vertical	Vertical				
Test Mode:	TX B Mode 2437MHz		The same of the sa			
Remark:	No report for the emission	on which more than 10 de	B below the			
prescribed limit.						



No	. Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4874.747	43.38	13.86	57.24	74.00	-16.76	peak
2	*	4875.221	30.26	13.87	44.13	54.00	-9.87	AVG



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EUT:	Ads machine	Model:	10.1"				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60Hz						
Ant. Pol.	Horizontal	Horizontal					
Test Mode:	TX B Mode 2462MHz	MILES	THE PARTY OF THE P				
Remark: No report for the emission which more than 10 dB below the prescribed limit.							
1.5							

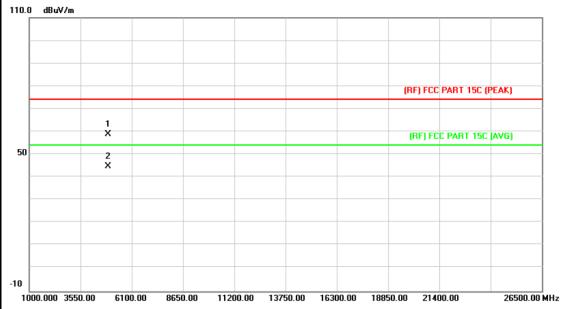


N	No. I	Mk.	Freq.	_	Correct Factor	Measure- ment	Limit	Over	
			MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	t	4923.538	30.64	14.15	44.79	54.00	-9.21	AVG
2			4923.958	44.69	14.15	58.84	74.00	-15.16	peak



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EUT:	Ads machine	Model:	10.1"			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60Hz					
Ant. Pol.	Vertical	Vertical				
Test Mode:	TX B Mode 2462MHz	MILES	The same of the sa			
Remark: No report for the emission which more than 10 dB below the prescribed limit.						
110.0 10.4/-						

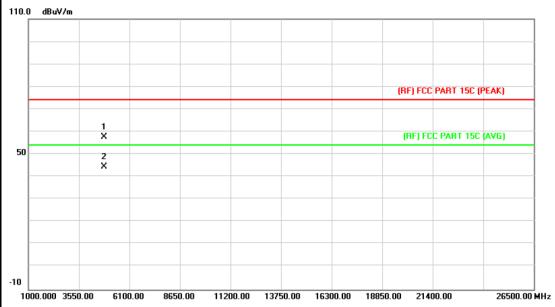


No	. Mk	Freq.	_		Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4924.144	44.64	14.15	58.79	74.00	-15.21	peak
2	*	4924.651	30.65	14.15	44.80	54.00	-9.20	AVG



Page: 29 of 76

EUT:	Ads machine	Model:	10.1"			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60Hz					
Ant. Pol.	Horizontal					
Test Mode:	TX G Mode 2412MHz		The same of the sa			
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		4824.042	44.03	13.56	57.59	74.00	-16.41	peak
2	*	4824.066	30.76	13.56	44.32	54.00	-9.68	AVG



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EUT:	Ads machine	Model:	10.1"			
Temperature:	25 ℃	25 ℃ Relative Humidity: 55%				
Test Voltage:	AC 120V/60Hz					
Ant. Pol.	Vertical	Vertical				
Test Mode:	TX G Mode 2412MHz		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.					
i						



N	o. l	Mk.	Freq.	_		Measure- ment	Limit	Over	
			MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	r	4824.624	30.33	13.56	43.89	54.00	-10.11	AVG
2			4825.293	43.29	13.57	56.86	74.00	-17.14	peak



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EUT:	Ads machine	Model:	10.1"		
Temperature:	25 ℃	Relative Humidity:	55%		
Test Voltage:	AC 120V/60Hz				
Ant. Pol.	Horizontal				
Test Mode:	TX G Mode 2437MHz	WIII DE	- Aller		
Remark:	No report for the emission which more than 10 dB below the prescribed limit.				
	proceniced mine.		1 / /		

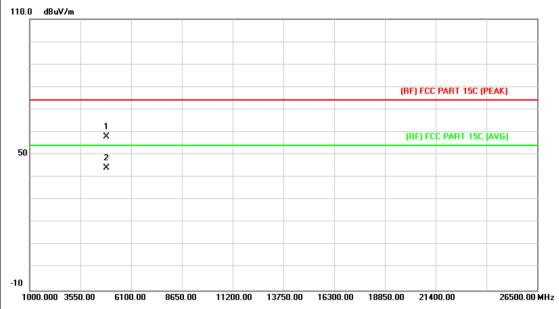


No	. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4873.796	43.49	13.86	57.35	74.00	-16.65	peak
2	*	4875.452	30.36	13.87	44.23	54.00	-9.77	AVG



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EUT:	Ads machine	Model:	10.1"				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz					
Ant. Pol.	Vertical	Vertical					
Test Mode:	TX G Mode 2437MHz		The state of the s				
Remark:	No report for the emissio prescribed limit.	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		4873.445	44.08	13.86	57.94	74.00	-16.06	peak
2	*	4874.816	30.28	13.86	44.14	54.00	-9.86	AVG



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EUT:	Ads machine	Model:	10.1"				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz					
Ant. Pol.	Horizontal	Horizontal					
Test Mode:	TX G Mode 2462MHz	WILD S	THE PARTY OF				
Remark:	No report for the emission which more than 10 dB below the prescribed limit.						

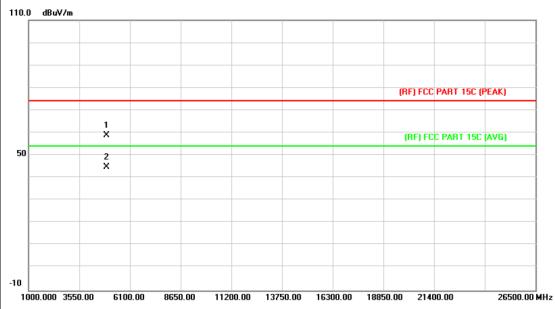


N	No.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
			MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		*	4922.836	30.75	14.14	44.89	54.00	-9.11	AVG
2			4924.018	44.43	14.15	58.58	74.00	-15.42	peak



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EUT:	Ads machine	Model:	10.1"				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz					
Ant. Pol.	Vertical	Vertical					
Test Mode:	TX G Mode 2462MHz		THE PERSON NAMED IN				
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		4924.144	44.64	14.15	58.79	74.00	-15.21	peak
2	*	4925.254	30.51	14.16	44.67	54.00	-9.33	AVG



Page: 35 of 76

EUT:	Ads machine	Model:	10.1"				
Temperature:	25 ℃	25 °C Relative Humidity: 55%					
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz					
Ant. Pol.	Horizontal						
Test Mode:	TX N(HT20) Mode 2412N	lHz					
Remark:	No report for the emission prescribed limit.	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		*	4823.886	44.08	13.56	57.64	74.00	-16.36	peak
2			4824.882	30.24	13.56	43.80	74.00	-30.20	peak



Page: 36 of 76

	10.1"	Model:	Ads machine	EUT:
Liber	55%	Relative Humidity:	25 ℃	Temperature:
		AC 120V/60Hz	Test Voltage:	
60			Vertical	Ant. Pol.
	THE PARTY OF THE P	Hz	TX N(HT20) Mode 2412M	Test Mode:
	B below the	Remark:		
	3 below the			Test Mode:

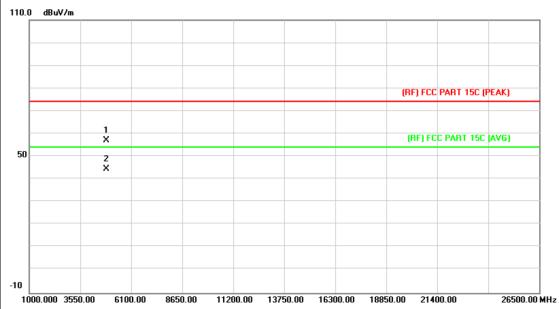


No	o. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4822.992	44.32	13.55	57.87	74.00	-16.13	peak
2	*	4825.011	30.14	13.57	43.71	54.00	-10.29	AVG



Page: 37 of 76

EUT:	Ads machine	Model:	10.1"				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz					
Ant. Pol.	Horizontal						
Test Mode:	TX N(HT20) Mode 2437M	Hz					
Remark:	No report for the emission	No report for the emission which more than 10 dB below the					
	prescribed limit.						
440							



N	o. N	۱k.	Freq.	Reading Level		Measure- ment	Limit	Over	
			MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4	1872.608	43.28	13.85	57.13	74.00	-16.87	peak
2	*	4	1874.405	30.53	13.86	44.39	54.00	-9.61	AVG



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EUT:	Ads machine	Model:	10.1"				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz					
Ant. Pol.	Vertical						
Test Mode:	TX N(HT20) Mode 2437M	lHz					
Remark:	No report for the emission which more than 10 dB below the prescribed limit.						
Kemark:							

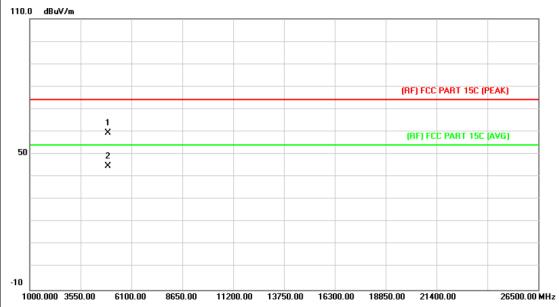


No	. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4873.718	44.04	13.86	57.90	74.00	-16.10	peak
2	*	4875.305	30.34	13.87	44.21	54.00	-9.79	AVG



Page: 39 of 76

EUT:	Ads machine	Model:	10.1"				
Temperature:	25 ℃	25 °C Relative Humidity: 55%					
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz					
Ant. Pol.	Horizontal						
Test Mode:	TX N(HT20) Mode 2462MH	z	3 The				
Remark:	No report for the emission v	No report for the emission which more than 10 dB below the					
	prescribed limit.						

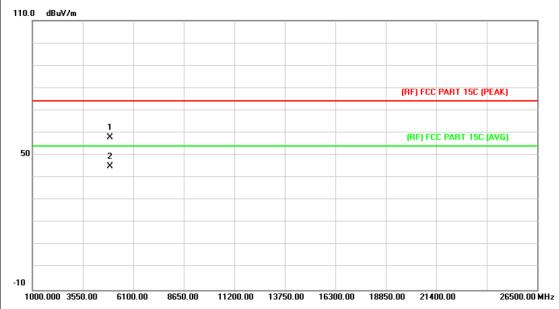


No.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4922.749	45.36	14.14	59.50	74.00	-14.50	peak
2	*	4925.119	30.46	14.16	44.62	54.00	-9.38	AVG



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EUT:	Ads machine	Model:	10.1"				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz					
Ant. Pol.	Vertical	TO U					
Test Mode:	TX N(HT20) Mode 2462MH	z	3 Hills				
Remark:	No report for the emission w	No report for the emission which more than 10 dB below the					
	prescribed limit.						



No	. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4922.944	43.67	14.14	57.81	74.00	-16.19	peak
2	*	4924.960	30.77	14.15	44.92	54.00	-9.08	AVG



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6. Restricted Bands Requirement

6.1 Test Standard and Limit

6.1.1 Test Standard

FCC Part 15.247(d)

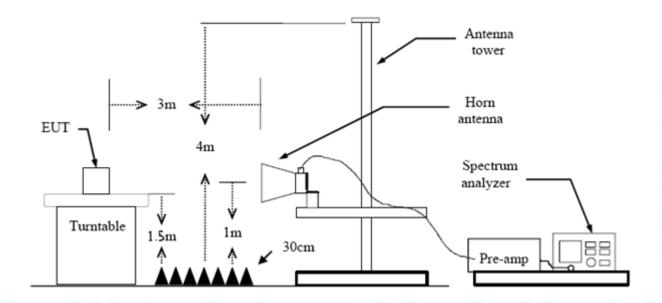
FCC Part 15.209

FCC Part 15.205

6.1.2 Test Limit

Restricted Frequency	Distance of	3m (dBuV/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.



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(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.

6.4 EUT Operating Condition

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

6.5 Test Data

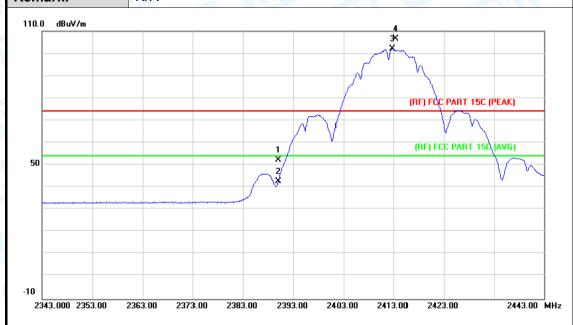
Please see the next page.



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(1) Radiation Test

EUT:	Ads machine	Model:	10.1"
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		ALIVE TO SERVICE TO SE
Test Mode:	TX B Mode 2412MHz		13 - 6
Remark:	N/A		

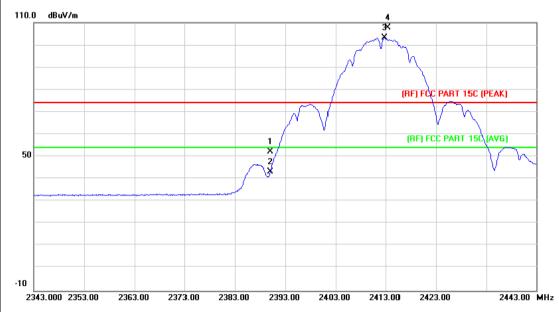


No.	Mk.	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	51.40	0.77	52.17	74.00	-21.83	peak
2		2390.000	41.90	0.77	42.67	54.00	-11.33	AVG
3	*	2412.800	101.17	0.86	102.03	Fundamental	Frequency	AVG
4	X	2413.500	105.82	0.86	106.68	Fundamental	Frequency	peak



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EUT:	Ads machine	Model:	10.1"
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX B Mode 2412MHz		
Remark:	N/A		



No	o. Mk	c. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	51.47	0.77	52.24	74.00	-21.76	peak
2		2390.000	42.52	0.77	43.29	54.00	-10.71	AVG
3	*	2412.800	102.30	0.86	103.16	Fundamenta	I Frequency	AVG
4	X	2413.400	106.94	0.86	107.80	Fundamenta	I Frequency	peak



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EUT:	Ads machine		Model:	10.1"	
Temperature:	25 ℃	F	Relative Humidit	y: 55%	A Britain
Test Voltage:	AC 120V/60Hz		13	COLUMN TO SERVICE SERV	
Ant. Pol.	Horizontal	Alle		0	
Test Mode:	TX B Mode 2462	MHz		- W	UL PARTIE
Remark:	N/A			(133)	
110.0 dBuV/m					
50	**	3 × 4		RF) FCC PART 15C (PEA)	
-10					
2439.000 2449.00	0 2459.00 2469.00 247	79.00 2489.00	2499.00 2509.00	2519.00	2539.00 MHz
No. Mk.	Reading Freq. Level	Correct Factor	Measure- ment Lir	mit Over	
	MHz dBuV	dB/m	dBuV/m dB	BuV/m dB	Detector
1 X 24	160.600 103.50	1.06	104.56 Fund	damental Frequency	peak
2 * 24	461.300 98.97	1.07	100.04 Fund	damental Frequency	AVG

Emission Level= Read Level+ Correct Factor

46.77

36.93

1.17

1.17

2483.500

2483.500

3

4

-26.06

-15.90

peak

AVG

74.00

54.00

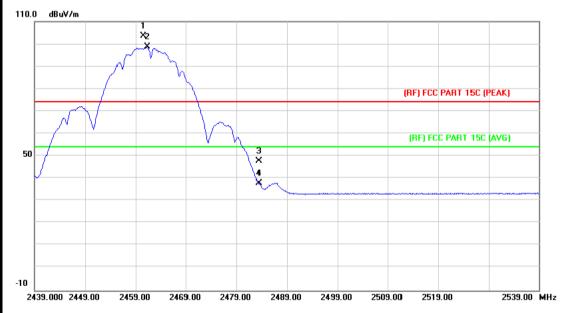
47.94

38.10



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EUT:	Ads machine	Model:	10.1"
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX B Mode 2462MHz	WILD B	THE PARTY OF THE P
Remark:	N/A		



No	. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	X	2460.500	102.46	1.06	103.52	Fundamental	Frequency	peak
2	*	2461.300	97.54	1.07	98.61	Fundamental	Frequency	AVG
3		2483.500	46.57	1.17	47.74	74.00	-26.26	peak
4		2483.500	36.76	1.17	37.93	54.00	-16.07	AVG



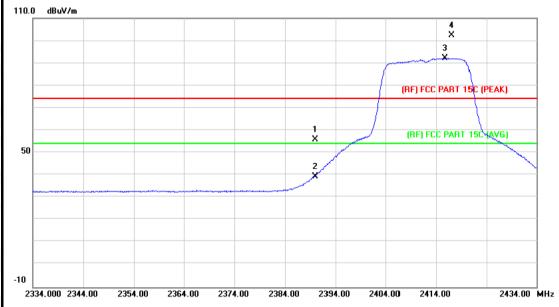
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EUT	:		Ads	machi	ne		Mode	l:		10.1"		
Tem	peratu	ıre:	25 °	С	Time		Relati	ve Hu	midity:	55%		
Test	Voltag	ge:	AC 1	120V/6	0Hz		Pist		60	11139		
Ant.	Pol.		Hori	zontal		11/1		1	J E		1100	
Test	Mode	:	TX C	3 Mode	e 241	2MHz	- 5	11/12			A STATE OF THE PARTY OF THE PAR	
Rem	ark:		N/A	18			1 1		CITI I	33		
110.0	dBuV/m											
									**			
									3 X			
									(DE) FCC	PART 15C (PEAK		
-									(RF) FCC	PART TOU (PEAK	,J	
-							1.		(05) 50	C PART 15C AVE	,	
50							X	part of the same o	(AF) FC	C PART 13C 18VC		
-							2					
-												
-10	34.000 23	44 NN 2°	354.00	2364.00	n 23	74.00 2384.	00 2394	. NN 24	04.00 241	4.00 2	434.00 MH	
No	o. Mk.	Fre	q.	Read Lev		Correct Factor		sure- ent	Limit	Over		
		MH	Z	dBu	ıV	dB/m	dBu	ıV/m	dBuV/m	dB	Detecto	
		2390.0	000	55.	59	0.77	56	.36	74.00	-17.64	peak	
1						0.77		02	54.00	-13.97	AVG	
2		2390.0	000	39.	26	0.77	40	.03				
1 2 3	*	2390.0 2413.4		92.		0.77		.03	Fundame	ntal Frequency	AVG	



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EUT:	Ads machine	Model:	10.1"
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		133
Ant. Pol.	Vertical	O	
Test Mode:	TX G Mode 2412MHz		3 1111
Remark:	N/A		

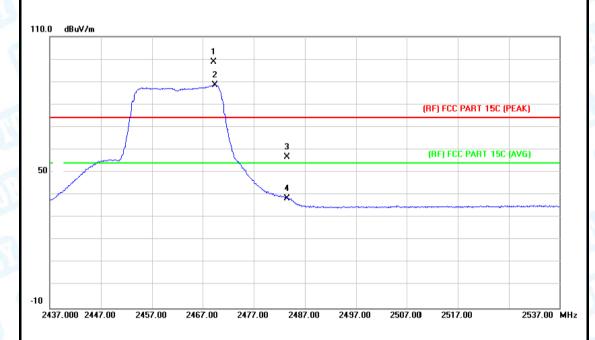


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	55.20	0.77	55.97	74.00	-18.03	peak
2		2390.000	38.63	0.77	39.40	54.00	-14.60	AVG
3	*	2415.800	91.29	0.88	92.17	Fundamenta	al Frequency	AVG
4	X	2417.200	101.51	0.88	102.39	Fundamenta	al Frequency	peak



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EUT:	Ads machine	Model:	10.1"
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		TIES TO THE TOTAL PROPERTY OF THE TOTAL PROP
Ant. Pol.	Horizontal		
Test Mode:	TX G Mode 2462MHz	WILLIAM STATE	
Remark:	N/A		

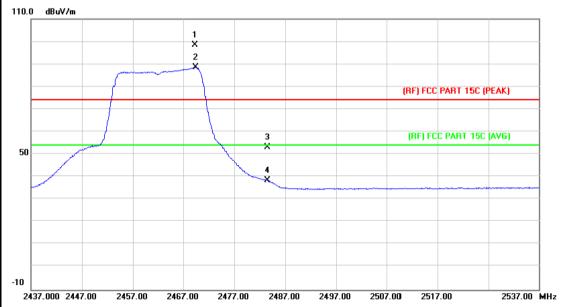


No.	Mk	. Freq.	Reading Level	Correct	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	X	2469.000	97.64	1.11	98.75	Fundamental	Frequency	peak
2	*	2469.300	87.44	1.11	88.55	Fundamental	Frequency	AVG
3		2483.500	55.49	1.17	56.66	74.00	-17.34	peak
4		2483.500	37.35	1.17	38.52	54.00	-15.48	AVG



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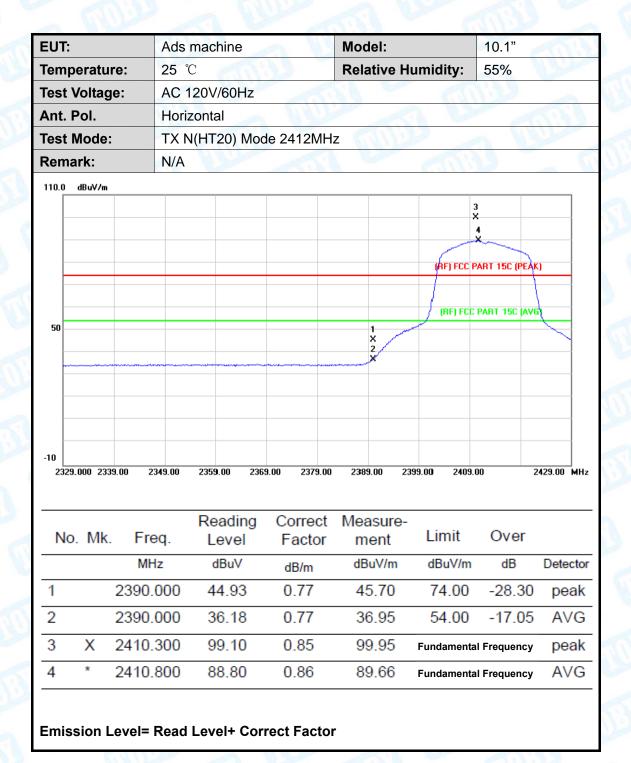
EUT:	Ads machine	Model:	10.1"
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		1339
Ant. Pol.	Vertical	U	
Test Mode:	TX G Mode 2462MHz	WILD S	a William
Remark:	N/A		13



No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	X	2469.200	97.35	1.11	98.46	Fundamental	Frequency	peak
2	*	2469.300	87.50	1.11	88.61	Fundamental	Frequency	AVG
3		2483.500	51.89	1.17	53.06	74.00	-20.94	peak
4		2483.500	37.42	1.17	38.59	54.00	-15.41	AVG



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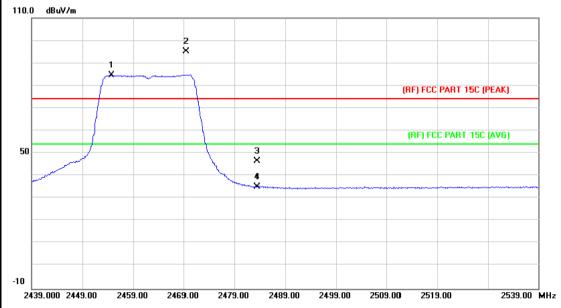
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EU1	T:		Ads	machi	ne	a N	N	/lodel:		1	0.1"	-017
Ten	peratu	re:	25 °	C		33	F	Relative H	umidity:	5	5%	Bire
Tes	t Voltaç	je:	AC 1	120V/6	60Hz		n	10	6	10	133	
Ant	. Pol.		Verti	ical		11/1	36					(D)
Tes	t Mode		TXN	V(HT2	0) Mod	de 2412N	1Hz	(mill)			2 184	No.
Ren	nark:		N/A	117	· Jan		9	6	610			
110.	0 dBuV/n	1										
										3 X		
										4		
										×	-	
									(RF)	FCC PA	RT 15C (PEAK	()
50								1.	(RF) FCC F	ART 15C (AVE	
90								X 2 /	and the second			
								× ×				
-10												
	329.000 23	39.00	2349.00	2359.0	00 230	69.00 237	9.00	2389.00	2399.00	2409.0	D 2	429.00 MH
				Rea	ding	Correc	et	Measure	_			
Ν	lo. Mk	. Fre	eq.	Lev		Facto		ment	Limi	it	Over	
		MH	Ιz	dB	uV	dB/m		dBuV/m	dBu\	//m	dB	Detecto
1		2390.	.000	49.	.12	0.77		49.89	74.	00	-24.11	peak
2		2390.	.000	35.	.87	0.77		36.64	54.	00	-17.36	AVG
	Χ	2410.	100	98.	.84	0.85		99.69	Fundan	nental	Frequency	peak
3												



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EUT:	Ads machine	Model:	10.1"
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX N(HT20) Mode 2462MHz		
Remark:	N/A		



N	o. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	2454.800	83.54	1.05	84.59	Fundamental F	requency	AVG
2	X	2469.400	94.12	1.11	95.23	Fundamental F	requency	peak
3		2483.500	45.44	1.17	46.61	74.00	-27.39	peak
4		2483.500	33.98	1.17	35.15	54.00	-18.85	AVG



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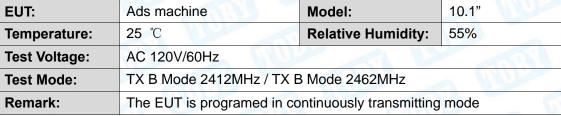
EUT:	Ads ma	chine	Model:	10.1"
Temperature:	25 ℃	Carrie	Relative Humidi	ity: 55%
Test Voltage:	AC 120	V/60Hz		
Ant. Pol.	Vertical			
Test Mode:	TX N(H	T20) Mode 24	62MHz	
Remark:	N/A	A CONTRACTOR OF THE PARTY OF TH		11:33
110.0 dBuV/m	1			
	2 X			
	×			
	1 ×			
				(RF) FCC PART 15C (PEAK)
				(RF) FCC PART 15C (AVG)
50		3 X		
		4		
-10				

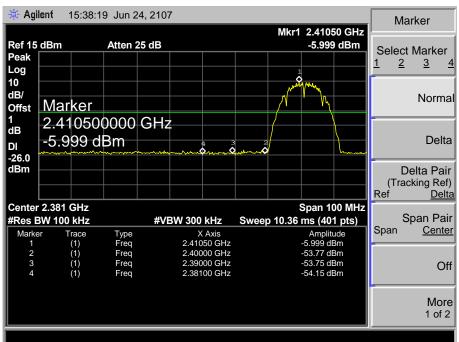
1	No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		*	2455.500	82.46	1.05	83.51	Fundamenta	I Frequency	AVG
2		X	2460.800	95.79	1.06	96.85	Fundamental	Frequency	peak
3			2483.500	47.46	1.17	48.63	74.00	-25.37	peak
4			2483.500	34.32	1.17	35.49	54.00	-18.51	AVG

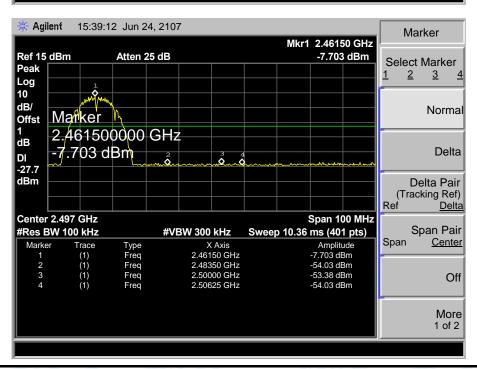


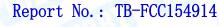
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(2) Conducted Test



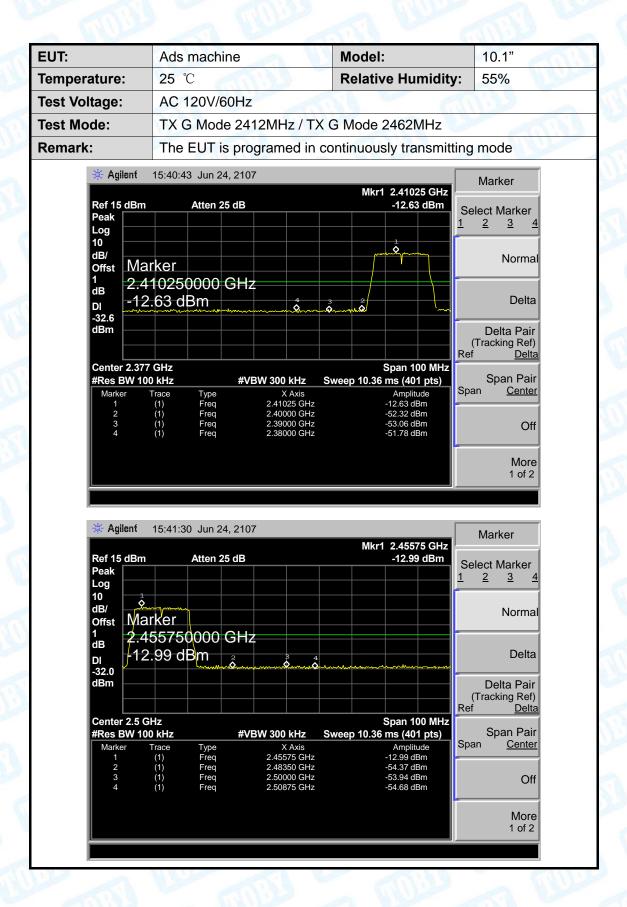








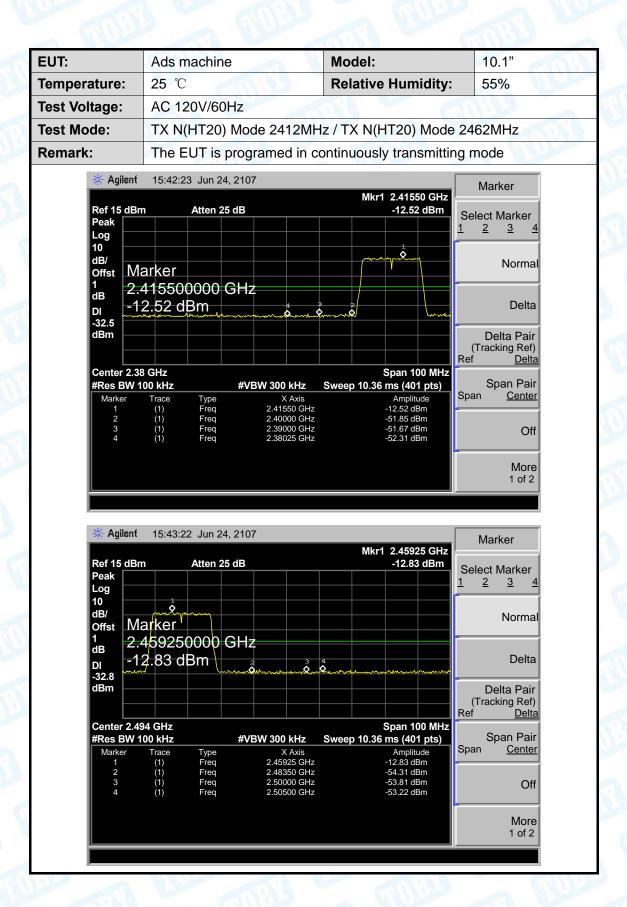
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7. Bandwidth Test

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-210					
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, Digital photo frames middle and high channel for the test.



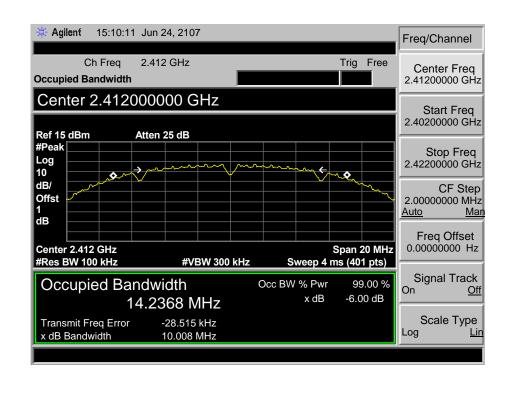
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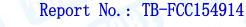
7.5 Test Data

EUT:	Ads machine	Model:	10.1"		
Temperature:	25 ℃	Relative Humidity:	55%		
Test Voltage:	AC 120V/60Hz				
Test Mode:	TX 802.11B Mode	TX 802.11B Mode			
Channel frequence	cy 6dB Bandwidth	99% Bandwidth	Limit		
(MHz)	(MHz)	(MHz)	(MHz)		
2412	10.008	14.2368			
2437	9.614	14.2220	>=0.5		
2462	9.619	14.2277			
	902 44 D	Mode	1		

802.11B Mode

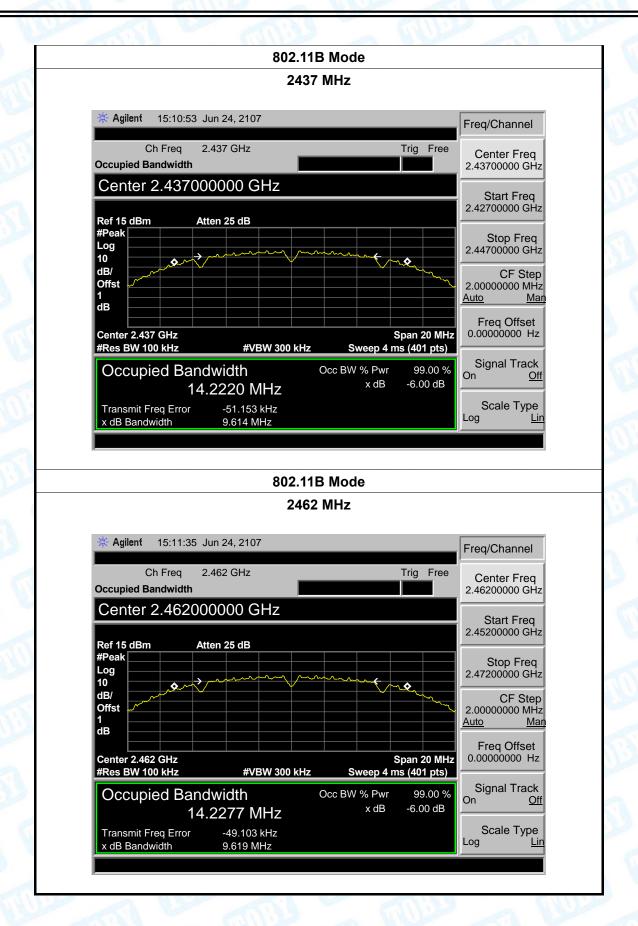
2412 MHz





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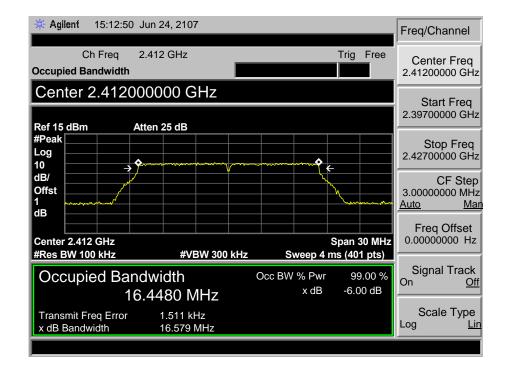






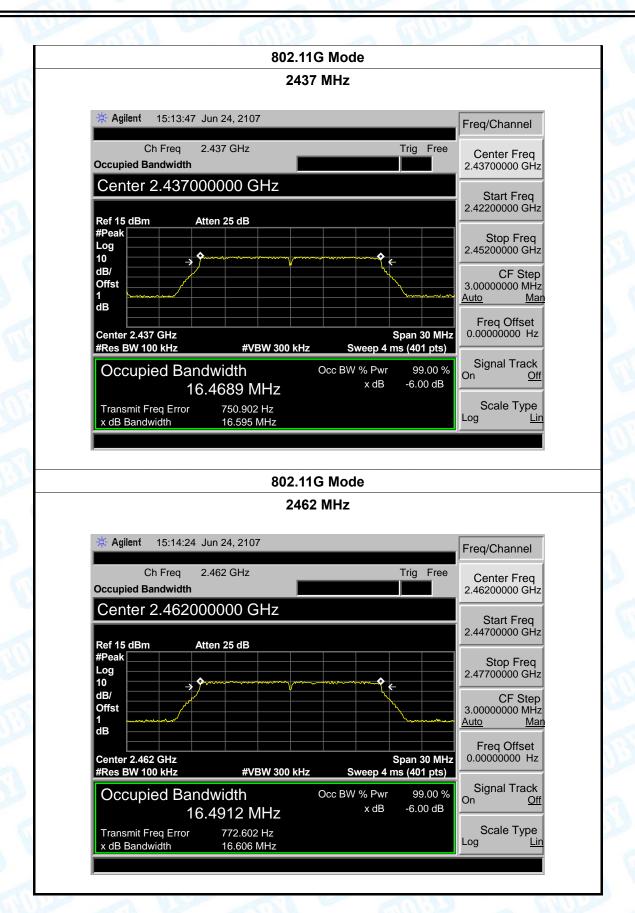
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EUT:	Ads machine	Model:	10.1"		
Temperature:	25 ℃	Relative Humidity:	55%		
Test Voltage:	AC 120V/60Hz				
Test Mode:	TX 802.11G Mode				
Channel frequen	cy 6dB Bandwidth	99% Bandwidth	Limit		
(MHz)	(MHz)	(MHz)	(MHz)		
2412	16.579	16.4480			
2437	16.595	16.4689	>=0.5		
2462	16.606	16.4912			
	802.11G Mode				
	2412 N	lH ₇			





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Signal Track

Scale Type

On

99.00 %

-6.00 dB

UT:	Ads machine	Model:	10.1"
emperature:	25 ℃	Relative Humidity:	55%
est Voltage:	t Voltage: AC 120V/60Hz		1:35
est Mode:	st Mode: TX 802.11N(HT20) Mode		
Channel frequenc	y 6dB Bandwidth	99% Bandwidth	Limit
(MHz)	(MHz)	(MHz)	(MHz)
2412	17.839	17.6326	
2437	17.839	17.6341	>=0.5
2462	17.843	17.6314	
	802.11N(HT	20) Mode	1
	2412	MHz	
	15:15:12 Jun 24, 2107	Fr	eq/Channel
	15:15:12 Jun 24, 2107 Freq 2.412 GHz	Trig Free	eq/Channel Center Freq 41200000 GHz
Occupied Bar Center 2	15:15:12 Jun 24, 2107 Freq 2.412 GHz adwidth .4120000000 GHz	Trig Free	Center Freq
Center 2 Ref 15 dBm #Peak Log 10	15:15:12 Jun 24, 2107 Freq 2.412 GHz Idwidth	Trig Free 2.4	Center Freq 41200000 GHz Start Freq 39700000 GHz Stop Freq 42700000 GHz
Center 2 Ref 15 dBm #Peak Log	15:15:12 Jun 24, 2107 Freq 2.412 GHz adwidth .412000000 GHz Atten 25 dB	Trig Free 2.	Center Freq 41200000 GHz Start Freq 39700000 GHz Stop Freq 42700000 GHz CF Step
Center 2 Ref 15 dBm #Peak Log 10 dB/ Offst 1	15:15:12 Jun 24, 2107 Freq 2.412 GHz idwidth .412000000 GHz Atten 25 dB	Trig Free 2.4	Center Freq 41200000 GHz Start Freq 39700000 GHz Stop Freq 42700000 GHz CF Step 00000000 MHz

17.6326 MHz

7.896 kHz 17.839 MHz

Occ BW % Pwr

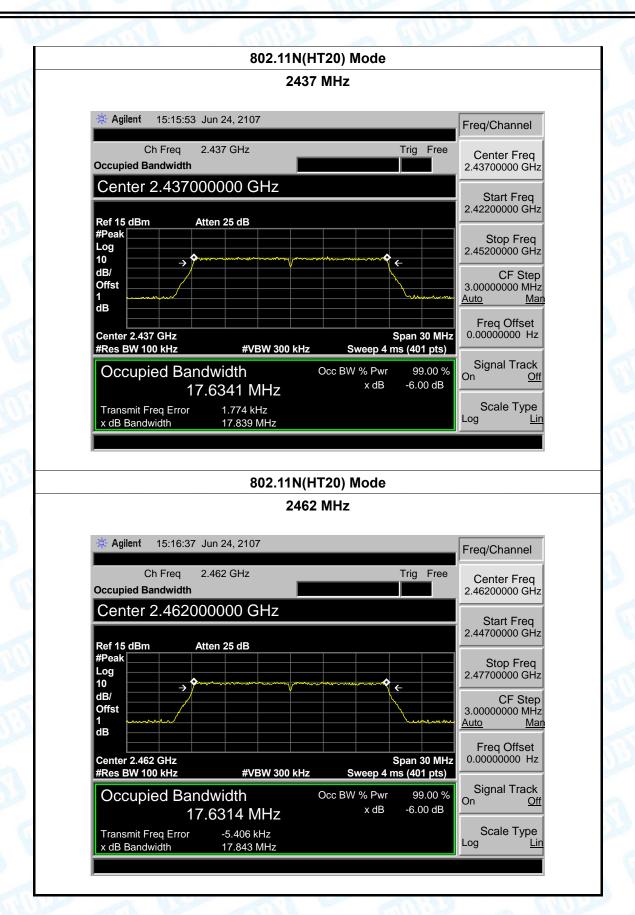
x dB

Occupied Bandwidth

Transmit Freq Error x dB Bandwidth



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8. Peak Output Power Test

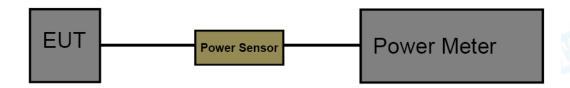
8.1 Test Standard and Limit

8.1.1 Test Standard FCC Part 15.247 (b)

8.1.2 Test Limit

FCC Part 15 Subpart C(15.247)/RSS-210					
Test Item	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 v04. 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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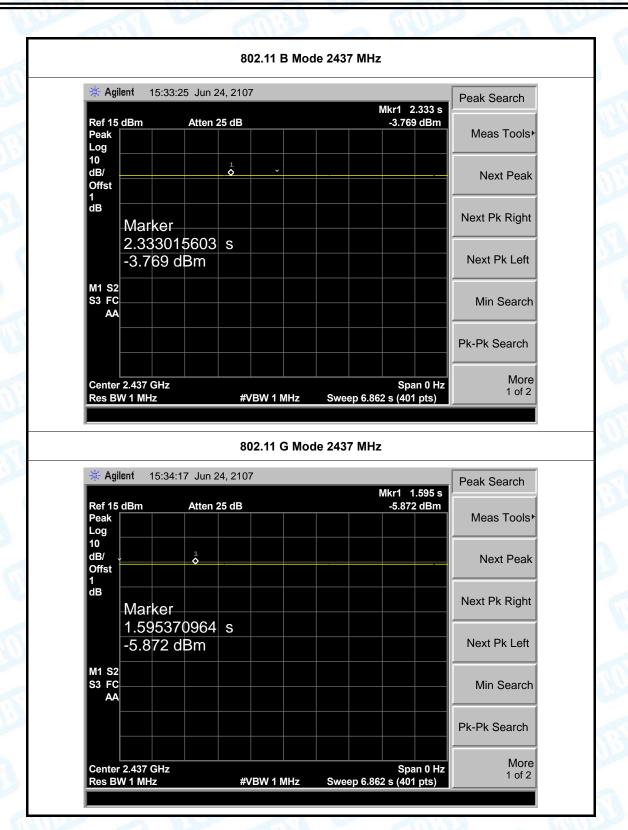
8.5 Test Data

EUT:	Ads machine	Model:	10.1"
Temperature:	25 ℃	Relative Humidit	ty: 55%
Test Voltage:	AC 120V/60Hz		
Mode	Channel frequency (MHz)	Test Result (dBm)	Limit (dBm)
	2412	8.39	
802.11b	2437	7.63	
	2462	7.07	
	2412	7.59	
802.11g	2437	7.19	30
	2462	6.73	
000.44	2412	7.99	
802.11n	2437	7.89	
(HT20)	2462	7.12	
	Resi	ult: PASS	

Duty Cycle				
Mode	Channel frequency (MHz)	Test Result		
	2412			
802.11b	2437			
	2462			
	2412			
802.11g	2437	>98%		
	2462			
000 44	2412			
802.11n	2437			
(HT20)	2462			

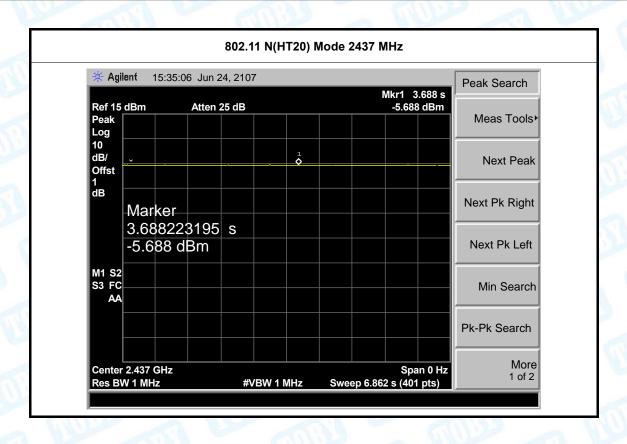


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9. Power Spectral Density Test

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 v04.

- (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, Digital photo framesdle and high channel for the test.



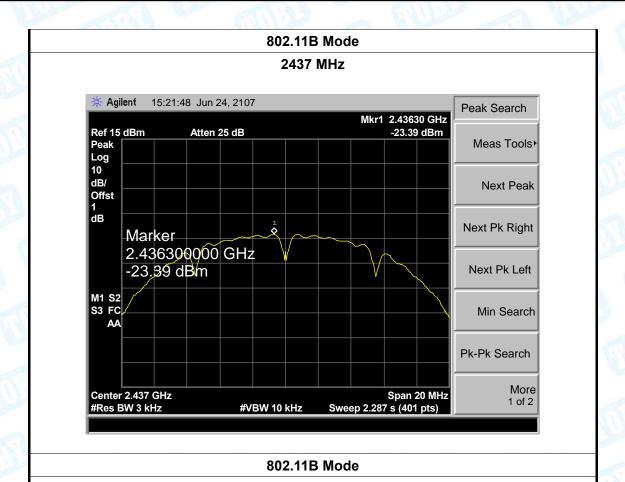
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9.5 Test Data

T:	Ads mad	chine	Model:		10.1"	
nperature	25 ℃		Relative H	umidity:	55%	
st Voltage:	AC 120\	//60Hz		M V	- 60	
st Mode:	TX 802.	TX 802.11B Mode			av	
Channel Frequency		Pow	Power Density		Limit	
(M	Hz)	(dB	3m/3 kHz)		(dBm)	
24	12		-22.91			
24	37		-23.39		8	
24	62		-24.41		-	
		802.	11B Mode			
		24	112 MHz			
* Agil		n 24, 2107 n 25 dB		41275 GHz 22.91 dBm	Peak Search	
Ref 15						
Ref 15 Peak Log 10					Peak Search Meas Tools	
Ref 15 Peak Log 10 dB/ Offst 1						
Ref 15 Peak Log 10 dB/	dBm Atte	n 25 dB			Meas Tools •	
Ref 15 Peak Log 10 dB/ Offst 1	dBm Atte	n 25 dB	.2		Meas Tools• Next Peak	
Ref 15 Peak Log 10 dB/ Offst 1 dB	dBm Atte	n 25 dB	.2		Meas Tools Next Peak Next Pk Right	
Ref 15 Peak Log 10 dB/ Offst 1 dB	dBm Atte	n 25 dB	.2		Meas Tools Next Peak Next Pk Right Next Pk Left	
Ref 15 Peak Log 10 dB/ Offst 1 dB	dBm Atte	n 25 dB			Meas Tools Next Peak Next Pk Right Next Pk Left Min Search	



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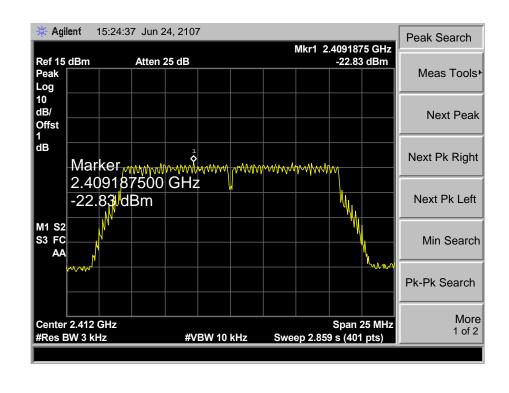
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EUT:	Ads machine	Model:	10.1"
Temperature:	25 ℃	Temperature:	25 ℃
Test Voltage:	AC 120V/60Hz		133
Test Mode:	TX 802.11G Mode		

Channel Frequency	Power Density	Limit
(MHz)	(dBm/3 kHz)	(dBm)
2412	-22.83	
2437	-22.77	8
2462	-23.87	

802.11G Mode

2412 MHz





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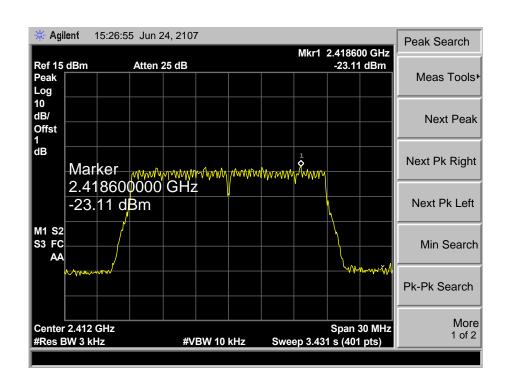
EUT:	Ads machine	Model:	10.1"
Temperature:	25 ℃	Temperature:	25 ℃
Test Voltage:	AC 120V/60Hz	11 6	THUS

Test Mode: TX 802.11N(HT20) Mode

Channel Frequency	Power Density	Limit
(MHz)	(dBm/3 kHz)	(dBm)
2412	-23.11	
2437	-23.06	8
2462	-23.68	

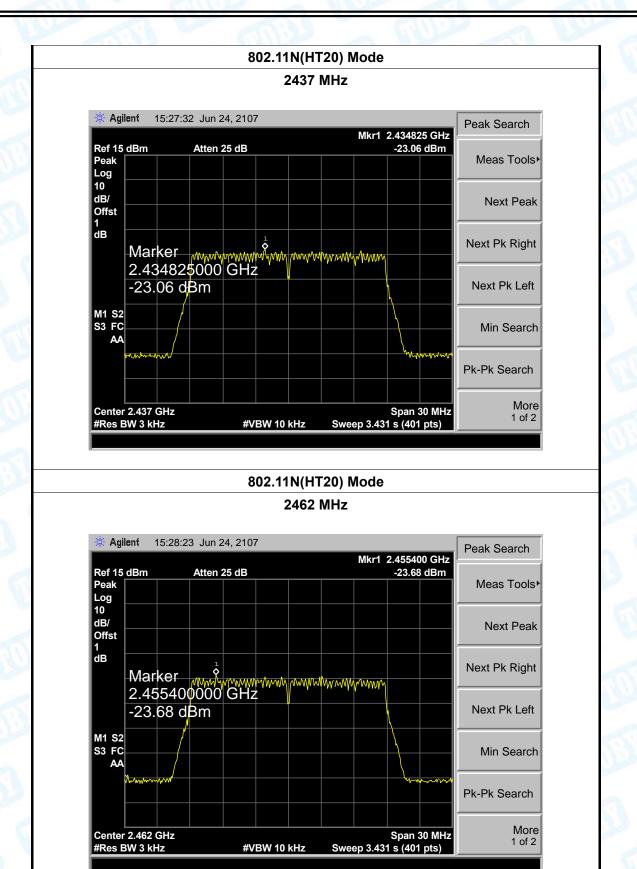
802.11N(HT20) Mode

2412 MHz





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10. Antenna Requirement

10.1 Standard Requirement

10.1.1 Standard FCC Part 15.203

10.1.2 Requirement

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this Section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

10.2 Antenna Connected Construction

The directional gains of the antenna used for transmitting is 4.3dBi, 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 a FPC Antenna. It complies with the standard requirement.

Antenna Type			
12	Permanent attached antenna	ETT.	
65			
	Professional installation antenna	Miller	

----END OF REPORT----