

Shenzhen Toby Technology Co., Ltd.

Report No.: TB-FCC145569

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FCC Radio Test Report FCC ID: 2ABEPTW1066

Original Grant

Report No. TB-FCC145569

Shenzhen Tianzheng Hongye Technology Co.Ltd. **Applicant**

Equipment Under Test (EUT)

EUT Name 10.1 inch MID

Model No. TM101A550L

TM101A530L, TM101A520L, TW1066G Serial No.

Brand Name NuVision

Receipt Date 2015-09-29

2015-09-30 to 2015-11-18 **Test Date**

Issue Date 2015-11-18

Standards FCC Part 15, Subpart C (15.247:2014)

Test Method ANSI C63.10: 2013

PASS Conclusions

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 Tianzheng Hongye Technology Co.Ltd.

Address : Building C, Guancheng High-tech Science and Technology Park,

Zhenxing Road, Carp River Industrial Zone, Lou Village, Gongming

Town, Guangming New District, Shenzhen City, Guangdong

Province, China

Manufacturer : Shenzhen Tianzheng Hongye Technology Co.Ltd.

Address : Building C, Guancheng High-tech Science and Technology Park,

Zhenxing Road, Carp River Industrial Zone, Lou Village, Gongming

Town, Guangming New District, Shenzhen City, Guangdong

Province, China

1.2 General Description of EUT (Equipment Under Test)

EUT Name	:	10.1 inch MID			
Models No.	÷	TM101A550L, TM10	TM101A550L, TM101A530L, TM101A520L, TW1066G		
Model Difference		All models are identical in the same PCB layout, interior structure and electrical circuits, The only difference is model name for commercia purpose.			
TOBY T	Operation Frequence 802.11b/g/n(HT20): BT: 2402MHz~2480 BLE: 2402MHz~248		2412MHz~2462MHz MHz ₍₂₎		
		Number of Channel:	802.11b/g/n(HT20):11 channels see note(3)		
Product Description		RF Output Power:	802.11b: 9.28 dBm 802.11g: 9.28 dBm 802.11n (HT20): 9.20 dBm 802.11n (HT40): 9.26 dBm		
		Antenna Gain:	2.09 dBi FPC Antenna		
		Modulation Type:	802.11b: DSSS(CCK/DQPSK/DBPSK) 802.11g: OFDM(BPSK/QPSK/16-QAM/64-QAM) 802.11n: OFDM(BPSK/QPSK/16-QAM/64-QAM)		
	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	•				
Power Rating	:		18-0502500UK 1509):		



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	Input: AC 100~240V 50/60Hz 0.5A Output: 5V/2.5A
000	Adapter 2#(TEKA018-0502500UK 1510):
	Input: AC 100~240V 50/60Hz 0.5A Output: 5V/2.5A
	DC 3.7V from 45.6Wh Li-ion battery
Connecting	: Please refer to the User's Manual
I/O Port(S)	

Note:

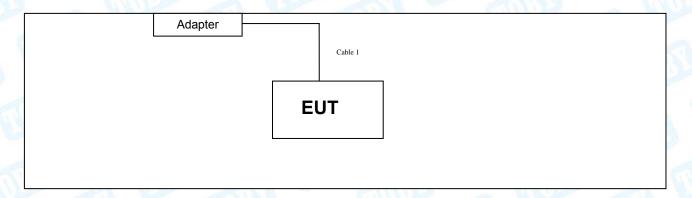
- (1) This Test Report is FCC Part 15.247 for 802.11b/g/n, the test procedure follows the FCC KDB 558074 D01 DTS Meas Guidance v03r02.
- (2) For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual. The EUT has also been tested and complied the FCC 15C for BLE and WIFI function, and recorded in the separate test report.
- (3) 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 802.11b/g/n(HT40)

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

TX Mode



1.4 Description of Support Units

Equipment Information	



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Name	Name Model S/N Manufacturer Used "√"						
4000							
	Cable Information						
Number	Number Shielded Type Ferrite Core Length Note						
Cable 1	Cable 1 YES NO 1.0M Accessory						

1.5 Description of Test Mode

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

l	For Conducted Test	
	Final Test Mode	Description
í	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		
Mode 6	TX Mode N(HT40) Mode Channel 03/06/09		

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) 802.11n (HT40) 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; it was pre-tested on the positioned of each 3 axis, X-plane, Y-plane and Z-plane. The worst case was found positioned on Z-plane as the normal use. Therefore only the test data of this Z-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		WLAN Test Tool	
Channel	CH 01	CH 06	CH 11
IEEE 802.11b DSSS	30	30	30
IEEE 802.11g OFDM	38	37	37
IEEE 802.11n (HT20)	37	37	37
Channel	CH 03	CH 06	CH 09
IEEE 802.11n (HT40)	40	40	40

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 %.

The second secon		
Test Item	Parameters	Expanded Uncertainty (U _{Lab})
	Level Accuracy:	W S
Conducted Emission	9kHz~150kHz	±3.42 dB
	150kHz to 30MHz	±3.42 dB
B IE	Level Accuracy:	14 CO 4D
Radiated Emission	9kHz to 30 MHz	±4.60 dB
Dedicted Emission	Level Accuracy:	14 40 dD
Radiated Emission	30MHz to 1000 MHz	±4.40 dB
B E () E ()	Level Accuracy:	14 20 dD
Radiated Emission	Above 1000MHz	±4.20 dB



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1.7 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 Par	t 15 Subpart C(15.247)/RSS 247	Issue 1	
Standa	rd Section	Took House	Tuelana (A)	Remark
FCC	IC	Test Item	Judgment	
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

AC Main C	onducted Emis	ssion			
Description	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Due Date
EMI Test Receiver	ROHDE& SCHWARZ	ESCI	100321	Aug. 07, 2015	Aug. 06, 2016
50ΩCoaxial Switch	Anritsu	MP59B	X10321	Aug. 07, 2015	Aug. 06, 2016
L.I.S.N	Rohde & Schwarz	ENV216	101131	Aug. 07, 2015	Aug. 06, 2016
L.I.S.N	SCHWARZBECK	NNBL 8226-2	8226-2/164	Aug. 07, 2015	Aug. 06, 2016
Radiation	Spurious Emis	sion			
Description	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Due Date
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
Horn Antenna	ETS-LINDGREN	3117	00143207	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
Antenna C	onducted Emis	ssion			
Description	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Due Date
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
Power Meter	Anritsu	ML2495A	25406005	Aug. 07, 2015	Aug. 06, 2016
	Anritsu	Market -	25406005	Aug. 07, 2015	Aug. 06, 2016



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4. Conducted Emission Test

4.1 Test Standard and Limit

4.1.1Test Standard FCC Part 15.207

4.1.2 Test Limit

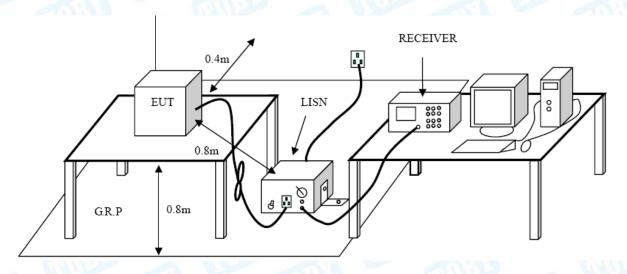
Conducted Emission Test Limit

THE PROPERTY OF THE PARTY OF TH	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.

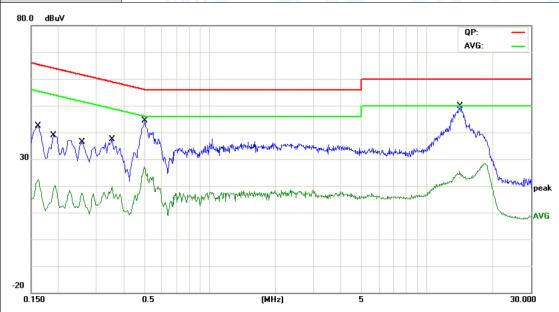
4.5 Test Data

Please see the next page.



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EUT:	10.1 inch MID	Model Name :	TM101A550L				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60Hz						
Terminal:	Line	Line					
Test Mode:	AC Charging with TX	B Mode (Adapter 1#)	CHIM TO THE PARTY OF THE PARTY				
Remark:	Only worse case is re	eported					
80.0 dBuV			QP: —				



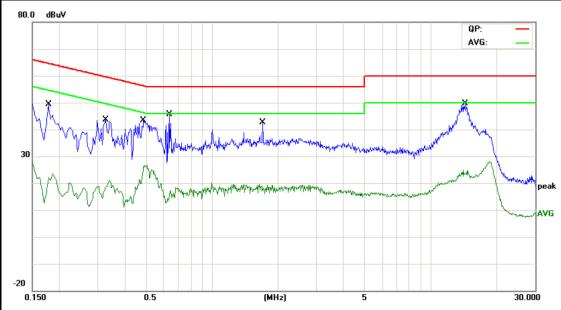
No. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
	MHz	dBu∀	dB	dBuV	dBuV	dB	Detector
1	0.1620	28.78	9.94	38.72	65.36	-26.64	QP
2	0.1620	10.76	9.94	20.70	55.36	-34.66	AVG
3	0.1900	24.35	10.00	34.35	64.03	-29.68	QP
4	0.1900	7.51	10.00	17.51	54.03	-36.52	AVG
5	0.2580	22.54	10.02	32.56	61.49	-28.93	QP
6	0.2580	6.08	10.02	16.10	51.49	-35.39	AVG
7	0.3540	23.10	10.02	33.12	58.87	-25.75	QP
8	0.3540	8.89	10.02	18.91	48.87	-29.96	AVG
9 *	0.5020	29.79	10.02	39.81	56.00	-16.19	QP
10	0.5020	15.67	10.02	25.69	46.00	-20.31	AVG
11	14.1540	31.91	10.24	42.15	60.00	-17.85	QP
12	14.1540	12.68	10.24	22.92	50.00	-27.08	AVG

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



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EUT:	10.1 inch MID	Model Name :	TM101A550L			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60Hz					
Terminal:	Neutral	5733	THE			
Test Mode:	AC Charging with TX B N	Mode (Adapter 1#)				
Remark:	only worse case is reported					



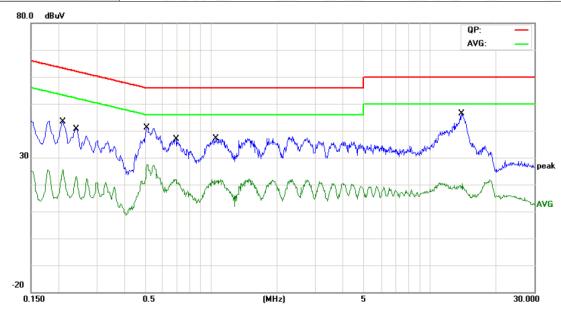
No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	0.1780	18.01	10.12	28.13	64.57	-36.44	QP
2	0.1780	1.54	10.12	11.66	54.57	-42.91	AVG
3	0.3260	19.06	10.08	29.14	59.55	-30.41	QP
4	0.3260	6.07	10.08	16.15	49.55	-33.40	AVG
5 *	0.4860	26.65	10.02	36.67	56.24	-19.57	QP
6	0.4860	13.01	10.02	23.03	46.24	-23.21	AVG
7	0.6340	12.09	10.02	22.11	56.00	-33.89	QP
8	0.6340	-0.02	10.02	10.00	46.00	-36.00	AVG
9	1.7060	20.10	10.09	30.19	56.00	-25.81	QP
10	1.7060	6.15	10.09	16.24	46.00	-29.76	AVG
11	14.3340	30.20	10.07	40.27	60.00	-19.73	QP
12	14.3340	12.05	10.07	22.12	50.00	-27.88	AVG

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



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EUT:	10.1 inch MID	Model Name :	TM101A550L					
Temperature:	25 ℃	Relative Humidity:	55%					
Test Voltage:	AC 240V/60Hz	AC 240V/60Hz						
Terminal:	Line	Line						
Test Mode:	AC Charging with TX B	AC Charging with TX B Mode (Adapter 1#)						
Remark:	Only worse case is report	ted						
80.0 dBuV			QP: — AVG: —					



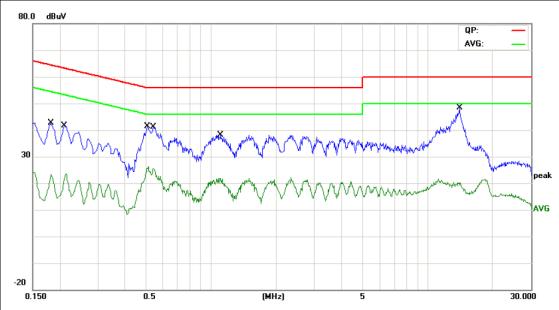
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∨	dB	dBuV	dBuV	dB	Detector
1		0.2100	28.65	10.02	38.67	63.20	-24.53	QP
2		0.2100	12.25	10.02	22.27	53.20	-30.93	AVG
3		0.2420	27.01	10.02	37.03	62.02	-24.99	QP
4		0.2420	11.61	10.02	21.63	52.02	-30.39	AVG
5	*	0.5100	27.62	10.02	37.64	56.00	-18.36	QP
6		0.5100	15.71	10.02	25.73	46.00	-20.27	AVG
7		0.6900	22.46	10.11	32.57	56.00	-23.43	QP
8		0.6900	10.17	10.11	20.28	46.00	-25.72	AVG
9		1.0500	22.03	10.06	32.09	56.00	-23.91	QP
10		1.0500	9.80	10.06	19.86	46.00	-26.14	AVG
11		13.9220	27.79	10.24	38.03	60.00	-21.97	QP
12		13.9220	6.35	10.24	16.59	50.00	-33.41	AVG

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



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EUT:	10.1 inch MID	Model Name :	TM101A550L				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 240V/60Hz	AC 240V/60Hz					
Terminal:	Neutral		THE				
Test Mode:	AC Charging with TX B N	Mode (Adapter 1#)					
Remark:	Remark: Only worse case is reported						



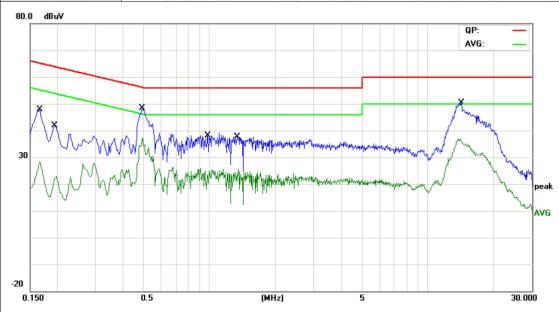
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB	dBuV	dBuV	dB	Detector
1		0.1819	29.05	10.12	39.17	64.39	-25.22	QP
2		0.1819	11.60	10.12	21.72	54.39	-32.67	AVG
3		0.2100	26.25	10.12	36.37	63.20	-26.83	QP
4		0.2100	9.93	10.12	20.05	53.20	-33.15	AVG
5	*	0.5100	28.20	10.02	38.22	56.00	-17.78	QP
6		0.5100	15.15	10.02	25.17	46.00	-20.83	AVG
7		0.5420	27.60	10.02	37.62	56.00	-18.38	QP
8		0.5420	15.00	10.02	25.02	46.00	-20.98	AVG
9		1.1060	22.86	10.15	33.01	56.00	-22.99	QP
10		1.1060	9.82	10.15	19.97	46.00	-26.03	AVG
11		13.9940	27.80	10.08	37.88	60.00	-22.12	QP
12		13.9940	7.35	10.08	17.43	50.00	-32.57	AVG

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



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EUT:	10.1 inch MID	Model Name :	TM101A550L				
Temperature:	25 ℃ Relative Humidity: 55%						
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz					
Terminal:	Line	133	THE				
Test Mode:	AC Charging with TX B N	Node (Adapter 2#)					
Remark:	Only worse case is reported						



No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
	MHz	dBu∀	dB	dBuV	dBuV	dB	Detector
1	0.1660	32.16	9.95	42.11	65.15	-23.04	QP
2	0.1660	17.29	9.95	27.24	55.15	-27.91	AVG
3	0.1940	25.16	10.01	35.17	63.86	-28.69	QP
4	0.1940	10.75	10.01	20.76	53.86	-33.10	AVG
5 *	0.4900	35.74	10.02	45.76	56.17	-10.41	QP
6	0.4900	25.71	10.02	35.73	46.17	-10.44	AVG
7	0.9820	22.51	10.06	32.57	56.00	-23.43	QP
8	0.9820	11.45	10.06	21.51	46.00	-24.49	AVG
9	1.3380	23.23	10.06	33.29	56.00	-22.71	QP
10	1.3380	12.24	10.06	22.30	46.00	-23.70	AVG
11	14.2700	32.72	10.25	42.97	60.00	-17.03	QP
12	14.2700	23.00	10.25	33.25	50.00	-16.75	AVG

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



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EUT:		1	I0.1 inch MI	D	Model	Name :		TM101A55	50L				
Temp	peratur	e: 2	25 ℃		Relativ	e Humi	dity:	55%	CIO!				
Test	Voltage	e: /	AC 120V/60	Hz		BATT			Allen				
Term	inal:	١	Neutral										
Test	Mode:	A	AC Charging with TX B Mode (Adapter 2#)										
Rema	ark:	(Only worse	case is rep	orted	MA			B. Land				
80.0	dBuV												
								QP: AVG:					
-													
-													
¥	{		X					A. Walter					
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0.15			0.5						20.000				
	Ю		0.5	(14	IHz)	5			30.000				
			Reading	Correct	Measure-		Over		30.000				
No	o. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	Potentia	30.000				
	o. Mk.	MHz	Reading Level	Correct Factor	Measure- ment	Limit dBuV	dB	Detector	30.000				
1	o. Mk.	MHz 0.1620	Reading Level dBuV 29.25	Correct Factor dB 9.94	Measure- ment dBuV 39.19	Limit dBuV 65.36	dB -26.17	QP	30.000				
1	o. Mk.	MHz 0.1620 0.1620	Reading Level dBuV 29.25 14.86	Correct Factor dB 9.94 9.94	Measurement dBuV 39.19 24.80	Limit dBuV 65.36 55.36	dB -26.17 -30.56	QP AVG	30.000				
1 2 3	o. Mk.	MHz 0.1620 0.1620 0.4860	Reading Level dBuV 29.25 14.86 35.61	Correct Factor dB 9.94 9.94 10.02	Measure- ment dBuV 39.19 24.80 45.63	Limit dBuV 65.36 55.36 56.24	dB -26.17 -30.56 -10.61	QP AVG QP	30.000				
1 3 4	o. Mk.	MHz 0.1620 0.1620 0.4860 0.4860	Reading Level dBuV 29.25 14.86 35.61 25.82	Correct Factor dB 9.94 9.94 10.02	Measure- ment dBuV 39.19 24.80 45.63 35.84	Limit dBuV 65.36 55.36 56.24 46.24	dB -26.17 -30.56 -10.61 -10.40	QP AVG QP AVG	30.000				
1 2 3	o. Mk.	MHz 0.1620 0.1620 0.4860 0.4860 0.9100	Reading Level dBuV 29.25 14.86 35.61 25.82 24.11	Correct Factor dB 9.94 9.94 10.02 10.02 10.08	Measure- ment dBuV 39.19 24.80 45.63 35.84 34.19	Limit dBuV 65.36 55.36 56.24 46.24 56.00	dB -26.17 -30.56 -10.61 -10.40 -21.81	QP AVG QP AVG QP	30.000				
1 3 4	o. Mk.	MHz 0.1620 0.1620 0.4860 0.4860	Reading Level dBuV 29.25 14.86 35.61 25.82	Correct Factor dB 9.94 9.94 10.02	Measure- ment dBuV 39.19 24.80 45.63 35.84	Limit dBuV 65.36 55.36 56.24 46.24 56.00	dB -26.17 -30.56 -10.61 -10.40	QP AVG QP AVG	30.000				
1 2 3 4	o. Mk.	MHz 0.1620 0.1620 0.4860 0.4860 0.9100	Reading Level dBuV 29.25 14.86 35.61 25.82 24.11	Correct Factor dB 9.94 9.94 10.02 10.02 10.08	Measure- ment dBuV 39.19 24.80 45.63 35.84 34.19	Limit dBuV 65.36 55.36 56.24 46.24 56.00 46.00	dB -26.17 -30.56 -10.61 -10.40 -21.81	QP AVG QP AVG QP	30.000				
	o. Mk.	MHz 0.1620 0.1620 0.4860 0.4860 0.9100 0.9100	Reading Level dBuV 29.25 14.86 35.61 25.82 24.11 12.98	Correct Factor dB 9.94 9.94 10.02 10.02 10.08	Measure- ment dBuV 39.19 24.80 45.63 35.84 34.19 23.06	Limit dBuV 65.36 55.36 56.24 46.24 56.00 46.00	dB -26.17 -30.56 -10.61 -10.40 -21.81 -22.94	QP AVG QP AVG QP AVG	30.000				
1 2 3 4 5 6	5. Mk. 1 2 3 4 * 5 6 7	MHz 0.1620 0.1620 0.4860 0.4860 0.9100 0.9100 1.3260	Reading Level dBuV 29.25 14.86 35.61 25.82 24.11 12.98 23.50	Correct Factor dB 9.94 9.94 10.02 10.02 10.08 10.08	Measurement dBuV 39.19 24.80 45.63 35.84 34.19 23.06 33.56	Limit dBuV 65.36 55.36 56.24 46.24 56.00 46.00 46.00	dB -26.17 -30.56 -10.61 -10.40 -21.81 -22.94 -22.44	QP AVG QP AVG QP AVG QP	30.000				
1 2 3 4 5 6 7	5. Mk. 1 2 3 4 * 5 6 7 3	MHz 0.1620 0.1620 0.4860 0.4860 0.9100 0.9100 1.3260 1.3260	Reading Level dBuV 29.25 14.86 35.61 25.82 24.11 12.98 23.50 12.86	Correct Factor dB 9.94 9.94 10.02 10.02 10.08 10.08 10.06	Measurement dBuV 39.19 24.80 45.63 35.84 34.19 23.06 33.56 22.92	Limit dBuV 65.36 55.36 56.24 46.24 56.00 46.00 56.00 56.00	dB -26.17 -30.56 -10.61 -10.40 -21.81 -22.94 -22.44 -23.08	QP AVG QP AVG QP AVG QP AVG	30.000				

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

13.7540

12

Emission Level= Read Level+ Correct Factor

24.00

10.24

34.24

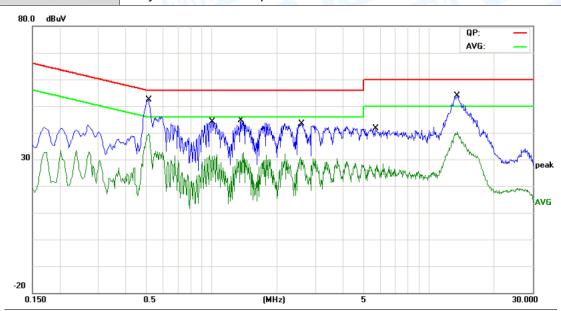
50.00 -15.76

AVG



Page: 19 of 95

EUT:	10.1 inch MID	Model Name :	TM101A550L
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 240V/60Hz	The state of the s	10
Terminal:	Line		
Test Mode:	AC Charging with TX B N	Node (Adapter 2#)	
Remark:	Only worse case is repor	ted	THE PARTY OF THE P
00.0 10.14			



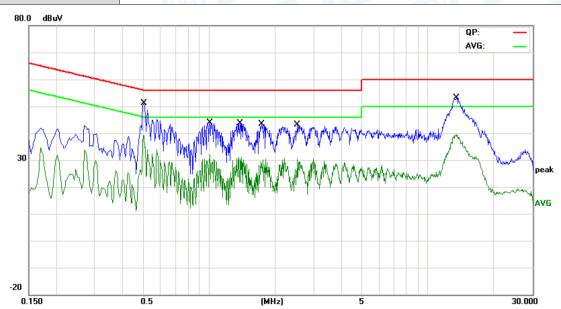
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	*	0.5140	38.02	10.03	48.05	56.00	-7.95	QP
2		0.5140	25.94	10.03	35.97	46.00	-10.03	AVG
3		1.0100	30.15	10.06	40.21	56.00	-15.79	QP
4		1.0100	17.99	10.06	28.05	46.00	-17.95	AVG
5		1.3619	29.56	10.06	39.62	56.00	-16.38	QP
6		1.3619	17.41	10.06	27.47	46.00	-18.53	AVG
7		2.6060	28.65	10.04	38.69	56.00	-17.31	QP
8		2.6060	16.41	10.04	26.45	46.00	-19.55	AVG
9		5.7100	25.74	10.00	35.74	60.00	-24.26	QP
10		5.7100	12.43	10.00	22.43	50.00	-27.57	AVG
11		13.5340	37.36	10.23	47.59	60.00	-12.41	QP
12		13.5340	25.29	10.23	35.52	50.00	-14.48	AVG

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



Page: 20 of 95

EUT:	10.1 inch MID	Model Name :	TM101A550L
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 240V/60Hz	The state of the s	13
Terminal:	Neutral		THE
Test Mode:	AC Charging with TX B N	Node (Adapter 2#)	
Remark:	Only worse case is repor	ted	



1	No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
			MHz	dBuV	dB	dBuV	dBuV	dB	Detector
	1	*	0.5060	38.49	10.02	48.51	56.00	-7.49	QP
	2		0.5060	26.39	10.02	36.41	46.00	-9.59	AVG
	3		1.0060	29.43	10.06	39.49	56.00	-16.51	QP
	4		1.0060	17.39	10.06	27.45	46.00	-18.55	AVG
	5		1.3820	29.68	10.06	39.74	56.00	-16.26	QP
	6		1.3820	17.38	10.06	27.44	46.00	-18.56	AVG
	7		1.7380	28.15	10.06	38.21	56.00	-17.79	QP
	8		1.7380	15.84	10.06	25.90	46.00	-20.10	AVG
	9		2.5300	27.91	10.04	37.95	56.00	-18.05	QP
	10		2.5300	14.91	10.04	24.95	46.00	-21.05	AVG
	11		13.5060	37.26	10.23	47.49	60.00	-12.51	QP
	12		13.5060	25.18	10.23	35.41	50.00	-14.59	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				

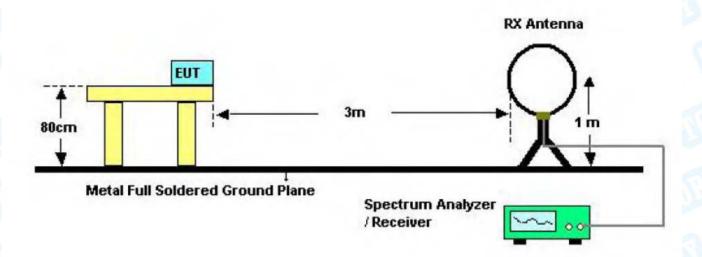
Note:

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

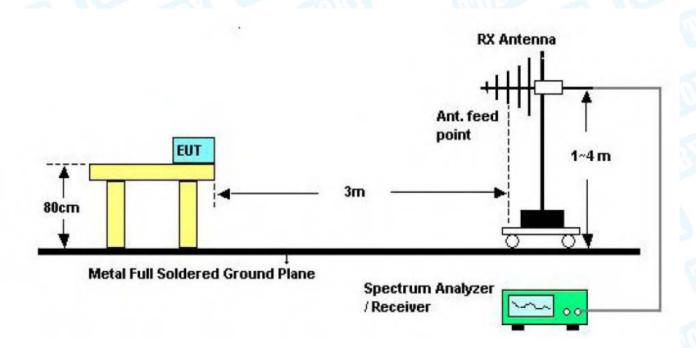


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5.2 Test Setup



Below 30MHz Test Setup

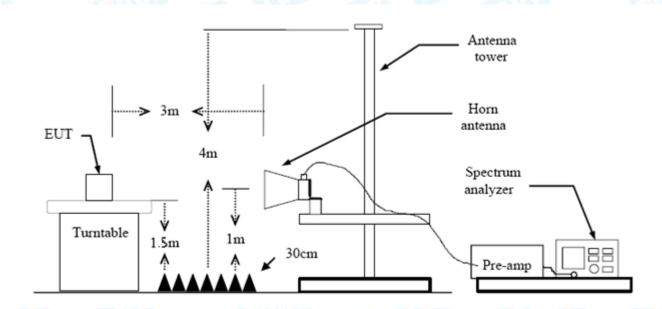


Below 1000MHz Test Setup

TORY

Report No.: TB-FCC145569

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Above 1GHz Test Setup

5.3 Test Procedure

- (1) The measuring distance of 3m shall be used for measurements at frequency up to 1GHz and above 1 GHz. The EUT was placed on a rotating 0.8m high above ground, the table was rotated 360 degrees to determine the position of the highest radiation.
- (2) Measurements at frequency above 1GHz. The EUT was placed on a rotating 1.5m high above the ground. RF absorbers covered the ground plane with a minimum area of 3.0m by 3.0m between the EUT and measurement receiver antenna. The RF absorber shall not exceed 30cm in high above the conducting floor. The table was rotated 360 degrees to determine the position of the highest radiation.
- (3) The Test antenna shall vary between 1m and 4m, Both Horizontal and Vertical antenna are set to make measurement.
- (4) The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- (5) If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit Bellow 1 GHz, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed. But the Peak Value and average value both need to comply with applicable limit above 1 GHz.
- (6) Testing frequency range below 1GHz the measuring instrument use VBW=120 kHz with Quasi-peak detection.
- (7) Testing frequency range above 1GHz the measuring instrument use RBW=1 MHz and VBW=3 MHz with Peak Detector for Peak Values, and use RBW=1 MHz and VBW=10 Hz with Peak Detector for Average Values.
- (8) For the actual test configuration, please see the test setup photo.



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5.4 EUT Operating Condition

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

5.5 Test Data

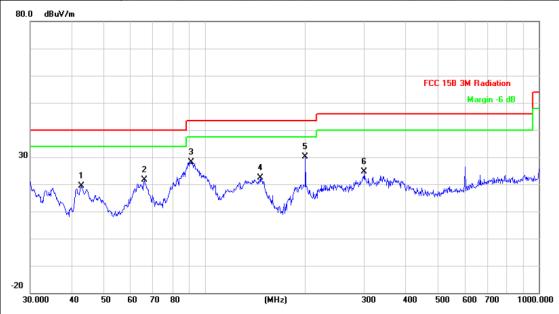
Remark: During testing above 1GHz the measuring instrument use RBW=1 MHz and VBW=3 MHz with Peak Detector for Peak Values, and use RBW=1 MHz and VBW=10 Hz with Peak Detector for Average Values.

Test data please refer the following pages.



Page: 25 of 95

EUT:	10.1 inch MID	Model:	TM101A550L		
Temperature:	25 ℃	Relative Humidity:	55%		
Test Voltage:	AC 120V/60Hz		THE STATE OF		
Ant. Pol. Horizontal					
Test Mode:	TX B Mode 2412MHz (A	dapter 1#)			
Remark:	Only worse case is repor	ted	1:33		
80.0 dBuV/m					



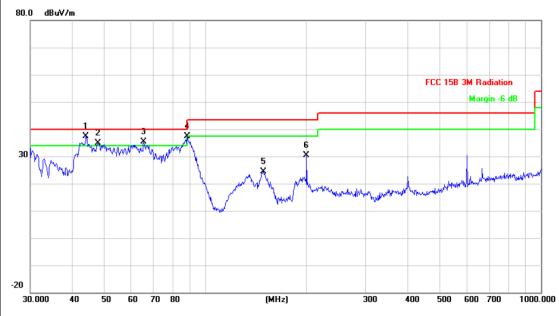
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		42.6000	40.67	-21.26	19.41	40.00	-20.59	peak
2		65.8031	45.56	-23.99	21.57	40.00	-18.43	peak
3		90.8554	50.78	-22.61	28.17	43.50	-15.33	peak
4		146.8877	43.83	-21.42	22.41	43.50	-21.09	peak
5	*	199.9856	50.53	-20.39	30.14	43.50	-13.36	peak
6		300.3672	41.78	-17.07	24.71	46.00	-21.29	peak

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



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EUT:	10.1 inch MID	Model:	TM101A550L nidity: 55%								
Temperature:	25 ℃	Relative Humidity:	55%								
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz									
Ant. Pol.	Vertical		The same of the sa								
Test Mode:	TX B Mode 2412MHz (A	dapter 1#)									
Remark:	Only worse case is repor	ted	1:33								
80.0 dBuV/m											



No	. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	43.9658	59.12	-21.84	37.28	40.00	-2.72	peak
2	ļ	47.8260	58.43	-23.48	34.95	40.00	-5.05	peak
3	į	65.3432	59.41	-24.04	35.37	40.00	-4.63	peak
4		88.0329	60.11	-22.81	37.30	43.50	-6.20	peak
5		148.9625	45.64	-21.26	24.38	43.50	-19.12	peak
6		199.9856	50.69	-20.39	30.30	43.50	-13.20	peak

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



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EU.	T:			10	.1 ir	nch	10.1 inch MID							TM101A550L					
Ten	npera	ature	:	25	$^{\circ}$ C) I	Rel	ative Hu	ımid	lity:	55%	6				
Tes	t Vol	tage		AC	; 12	20V/	60H	Ηz			6		(61)	M	3)			
Ant	. Pol			Но	rizo	onta	I		MAG				16					N.V	
Tes	t Mo	de:		TX	TX B Mode 2412MHz (Adapter 2#)														
Rer	nark:			On	ıly \	wors	se c	ase	is reporte	d	Comment			M	3			1	
80.0	0 dBu	V/m																	
					_								FC	CC 158	3 3M R	adiatio	n		
					+										Ma	rgin -6	dB	\blacksquare	
					\bot	4				5	_								
30					\pm										6 X				
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	14.4	all variety	\wedge	Jest	Beat	"LATT	المستطفهما	MMP [™]	HANDAN MARKET ,	1	mileliferes/wad	Waled	•	+				-	
			-	Was .	+														
					_														
-20																			
30	0.000	40	50	60	70	80			(MHz)		;	300	400	500	600	700	10	000.000	
_						Re	ad	ing	Correc	t	Measur	e-							
	No.	Mk.	F	req.			eve	_	Factor		ment		Limit		Ov	er			
			N	1Hz		C	dBu\	/	dB/m		dBuV/m	า	dBuV/ı	m	dE	3	De	tecto	
1			34.6	6385	,	3	3.2	0	-16.84		16.36	;	40.00	0	-23	.64	p	eak	
2	2		46.3	3402	2	3	9.5	1	-22.85		16.66	;	40.00	0	-23	.34	p	eak	
3 66.0			0342	2	4	4.1	1	-23.98		20.13	3	40.00	0 -19.87		p	eak			
4	4 175.			036	8	3	8.9	8	-20.88		18.10)	43.50	50 -25.40		r	eak		

199.9856

601.4265

5

6

Emission Level= Read Level+ Correct Factor

57.69

40.83

-20.39

-9.41

43.50

46.00

37.30

31.42

-6.20

-14.58

QP

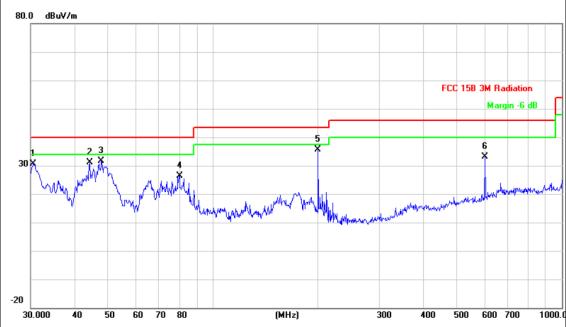
peak

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



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	EUT:	10.1 inch MID	Model:	TM101A550L			
	Temperature:	25 ℃	Relative Humidity:	55%			
	Test Voltage:	AC 120V/60Hz					
	Ant. Pol.	Vertical					
	Test Mode:	TX B Mode 2412MHz (Adapter 2#)					
	Remark:	Only worse case is reported					



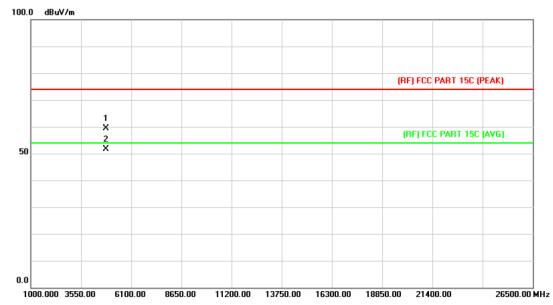
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		30.5306	45.03	-14.28	30.75	40.00	-9.25	peak
2		44.2752	53.02	-21.97	31.05	40.00	-8.95	peak
3		47.8260	55.03	-23.48	31.55	40.00	-8.45	peak
4		80.0806	49.78	-23.28	26.50	40.00	-13.50	peak
5	*	199.9856	56.03	-20.39	35.64	43.50	-7.86	peak
6		601.4265	42.55	-9.41	33.14	46.00	-12.86	peak

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



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EUT:	10.1 inch MID	Model:	TM101A550L			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz				
Ant. Pol.	Horizontal	Horizontal				
Test Mode:	TX B Mode 2412MHz (Ac	lapter 1#)				
Remark:	No report for the emission	No report for the emission which more than 10 dB below the				
	prescribed limit.					

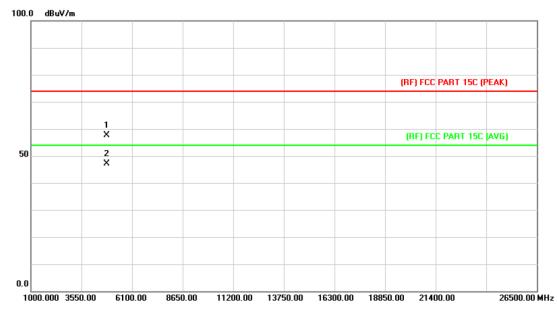


No	. Mk	Freq.		Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4823.978	45.79	13.56	59.35	74.00	-14.65	peak
2	*	4824.009	38.00	13.56	51.56	54.00	-2.44	AVG



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EUT:	10.1 inch MID	Model:	TM101A550L			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz				
Ant. Pol.	Vertical	Vertical				
Test Mode:	TX B Mode 2412MHz (A	dapter 1#)				
Remark:	No report for the emission	n which more than 10	dB below the			
	prescribed limit.					
	·	·	·			

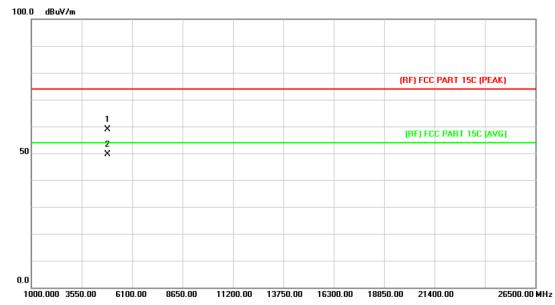


No	o. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4824.039	44.12	13.56	57.68	74.00	-16.32	peak
2	*	4824.048	33.56	13.56	47.12	54.00	-6.88	AVG



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EUT:	10.1 inch MID	TM101A550L				
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60Hz					
Ant. Pol.	Horizontal					
Test Mode:	TX B Mode 2437MHz (Ad	dapter 1#)				
Remark:	No report for the emission which more than 10 dB below the					
	prescribed limit.					

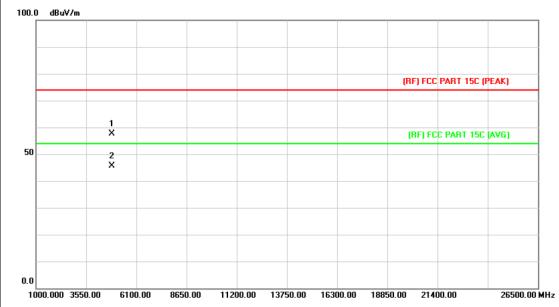


No	. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4873.892	44.92	13.86	58.78	74.00	-15.22	peak
2	*	4873.991	35.82	13.86	49.68	54.00	-4.32	AVG



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í	EUT:	10.1 inch MID	TM101A550L					
	Temperature:	25 ℃	25 ℃ Relative Humidity: 55%					
Test Voltage: AC 120V/60Hz				THE STATE OF THE S				
	Ant. Pol.	Vertical						
	Test Mode:	TX B Mode 2437MHz (Ad	dapter 1#)	The same				
	Remark:	No report for the emission which more than 10 dB below the						
		prescribed limit.						

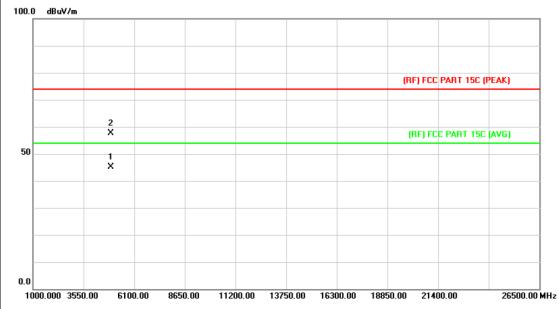


No	э. М	k. Freq.	•		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4873.922	43.74	13.86	57.60	74.00	-16.40	peak
2	*	4873.991	31.81	13.86	45.67	54.00	-8.33	AVG



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EUT:	10.1 inch MID	Model:	TM101A550L			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz				
Ant. Pol.	Horizontal	Horizontal				
Test Mode:	TX B Mode 2462MHz (A	Adapter 1#)				
Remark:	No report for the emission	on which more than 10	dB below the			
	prescribed limit.					

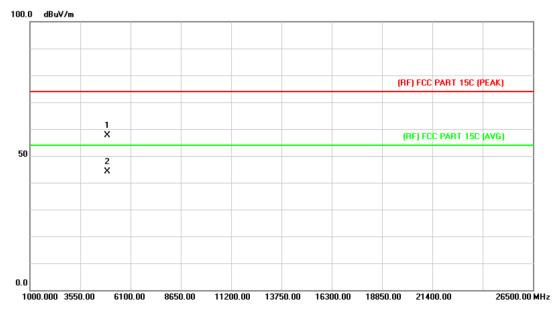


No	. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4924.009	30.96	14.15	45.11	54.00	-8.89	AVG
2		4924.030	43.55	14.15	57.70	74.00	-16.30	peak



Page: 34 of 95

EUT:	10.1 inch MID	Model:	TM101A550L				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz					
Ant. Pol.	Vertical						
Test Mode:	TX B Mode 2462MHz (Adapter 1#)						
Remark:	No report for the emission which more than 10 dB below the						
	prescribed limit.						
i							

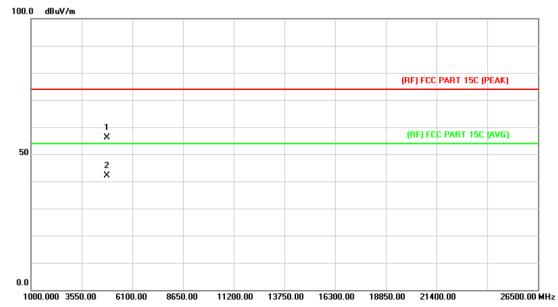


١	No.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1			4923.922	43.44	14.15	57.59	74.00	-16.41	peak
2		*	4923.952	30.07	14.15	44.22	54.00	-9.78	AVG



Page: 35 of 95

EUT:	10.1 inch MID	Model:	TM101A550L				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz					
Ant. Pol.	Horizontal						
Test Mode:	TX G Mode 2412MHz (Adapter 1#)						
Remark:	No report for the emission which more than 10 dB below the						
	prescribed limit.						

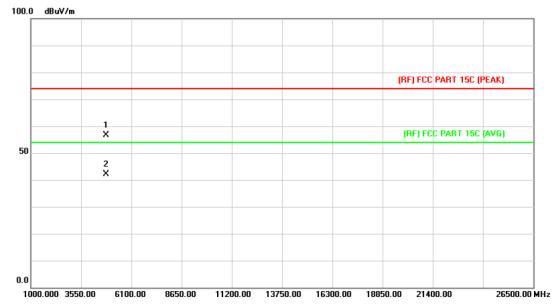


No	. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4823.709	42.55	13.56	56.11	74.00	-17.89	peak
2	*	4824.072	28.67	13.56	42.23	54.00	-11.77	AVG



Page: 36 of 95

EUT:	10.1 inch MID	Model:	TM101A550L				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz					
Ant. Pol.	Vertical						
Test Mode:	TX G Mode 2412MHz (Adapter 1#)						
Remark:	No report for the emission which more than 10 dB below the						
	prescribed limit.	2 m 13					

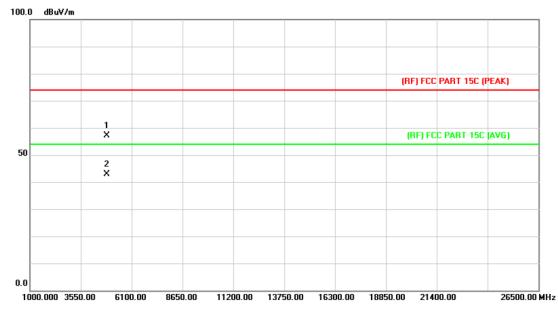


N	o. M	k. Freq.	_		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4823.916	43.02	13.56	56.58	74.00	-17.42	peak
2	*	4824.054	28.62	13.56	42.18	54.00	-11.82	AVG



Page: 37 of 95

EUT:	10.1 inch MID	Model:	TM101A550L			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz				
Ant. Pol.	Horizontal	Horizontal				
Test Mode:	TX G Mode 2437MHz (A	Adapter 1#)				
Remark:	No report for the emission	No report for the emission which more than 10 dB below the				
	prescribed limit.					
i						

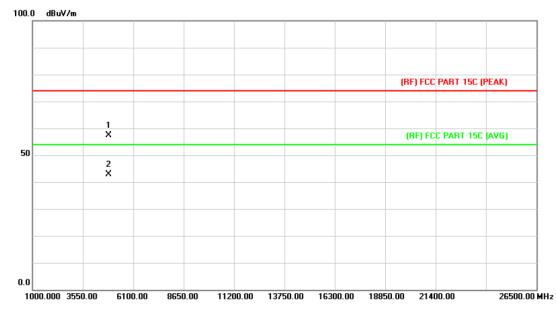


No	. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4874.036	43.20	13.86	57.06	74.00	-16.94	peak
2	*	4874.357	29.01	13.86	42.87	54.00	-11.13	AVG



Page: 38 of 95

	EUT:	10.1 inch MID	Model:	TM101A550L			
}	Temperature:	25 ℃	Relative Humidity:	55%			
	Test Voltage:	AC 120V/60Hz					
	Ant. Pol.	Vertical					
	Test Mode:	TX G Mode 2437MHz (A	dapter 1#)	The same of			
	Remark:	No report for the emission which more than 10 dB below the					
		prescribed limit.					

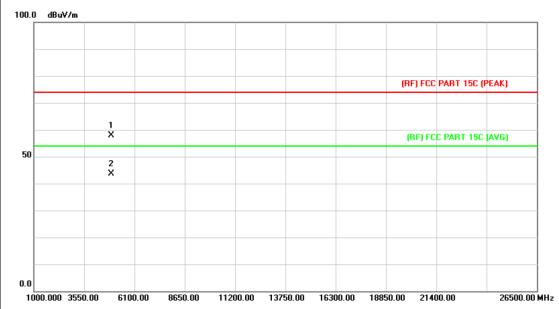


1	No.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1			4873.570	43.55	13.86	57.41	74.00	-16.59	peak
2		*	4874.288	29.00	13.86	42.86	54.00	-11.14	AVG



Page: 39 of 95

EUT:	10.1 inch MID	Model:	TM101A550L			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz				
Ant. Pol.	Horizontal	Horizontal				
Test Mode:	TX G Mode 2462MHz (A	dapter 1#)				
Remark:	No report for the emission	No report for the emission which more than 10 dB below the				
prescribed limit.						

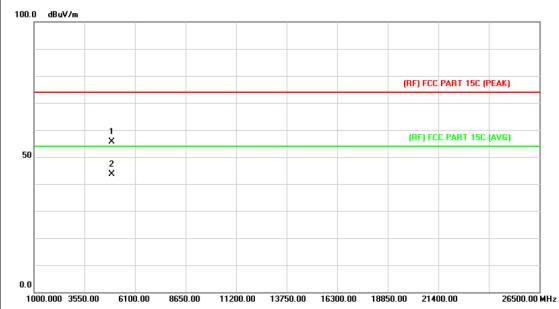


No	. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4924.102	43.63	14.15	57.78	74.00	-16.22	peak
2	*	4924.350	29.41	14.15	43.56	54.00	-10.44	AVG



Page: 40 of 95

EUT:	10.1 inch MID	Model:	TM101A550L			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz				
Ant. Pol.	Vertical	Vertical				
Test Mode:	TX G Mode 2462MHz (A	dapter 1#)				
Remark:	No report for the emission	on which more than 10	dB below the			
	prescribed limit.					
	·	·	·			

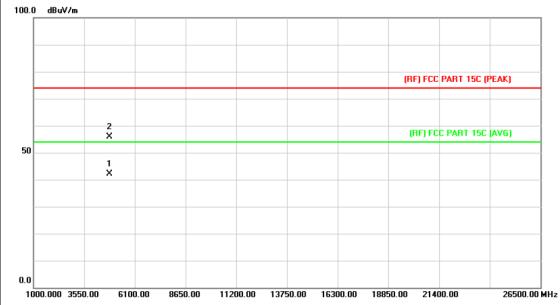


No	. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4923.598	41.48	14.15	55.63	74.00	-18.37	peak
2	*	4924.194	29.43	14.15	43.58	54.00	-10.42	AVG



Page: 41 of 95

EUT:	10.1 inch MID	Model:	TM101A550L			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60Hz					
Ant. Pol.	Horizontal					
Test Mode:	TX N(HT20) Mode 2412N	ИНz (Adapter 1#)				
Remark:	No report for the emission which more than 10 dB below the prescribed limit.					
	prescribed little.					

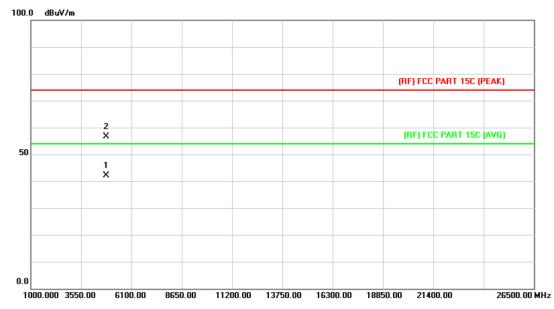


No	. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4823.582	28.46	13.56	42.02	54.00	-11.98	AVG
2		4823.596	42.38	13.56	55.94	74.00	-18.06	peak



Page: 42 of 95

EUT:	10.1 inch MID	Model:	TM101A550L			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz				
Ant. Pol.	Vertical	Vertical				
Test Mode:	TX N(HT20) Mode 2412	MHz (Adapter 1#)				
Remark:	No report for the emission	No report for the emission which more than 10 dB below the				
	prescribed limit.					



1	Vo.	Mk.	Freq.	_		Measure- ment	Limit	Over	
			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		*	4823.668	28.47	13.56	42.03	54.00	-11.97	AVG
2			4824.133	43.04	13.56	56.60	74.00	-17.40	peak



Page: 43 of 95

EUT:	10.1 inch MID	Model:	TM101A550L			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60Hz					
Ant. Pol.	Horizontal					
Test Mode:	TX N(HT20) Mode 2437N	MHz (Adapter 1#)	THE PARTY OF THE P			
Remark:	No report for the emission which more than 10 dB below the					
	prescribed limit.					

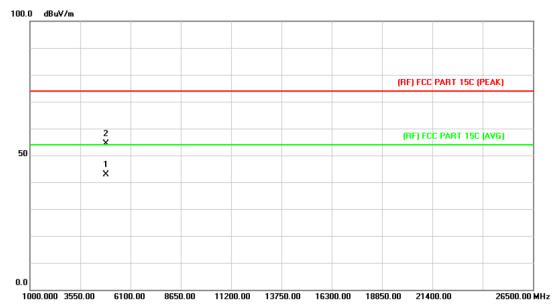


No	o. Mk	. Freq.	_	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4874.112	28.88	13.86	42.74	54.00	-11.26	AVG
2		4874.124	40.30	13.86	54.16	74.00	-19.84	peak



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EUT:	10.1 inch MID	Model:	TM101A550L				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz					
Ant. Pol.	Vertical	Vertical					
Test Mode:	TX N(HT20) Mode 2437	MHz (Adapter 1#)					
Remark:	No report for the emission	No report for the emission which more than 10 dB below the					
prescribed limit.							
İ							

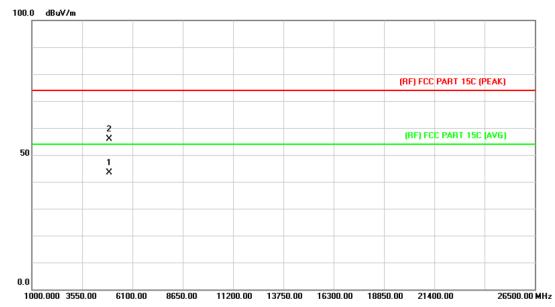


No	o. Mk	. Freq.	_	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4874.010	28.90	13.86	42.76	54.00	-11.24	AVG
2		4874.092	40.54	13.86	54.40	74.00	-19.60	peak



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EUT:	10.1 inch MID	Model:	TM101A550L				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz					
Ant. Pol.	Horizontal	Horizontal					
Test Mode:	TX N(HT20) Mode 2462	MHz (Adapter 1#)					
Remark:	No report for the emission	No report for the emission which more than 10 dB below the					
	prescribed limit.						
1							

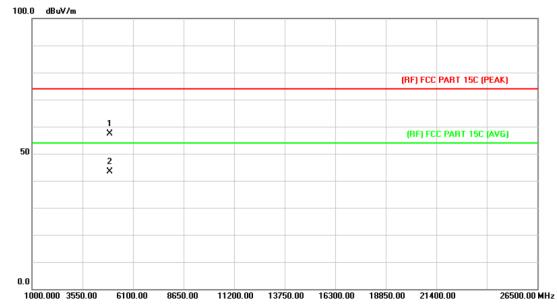


N	lo.	Mk.	Freq.	_	Correct Factor	Measure- ment	Limit	Over	
			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		*	4923.582	29.29	14.15	43.44	54.00	-10.56	AVG
2			4923.825	41.81	14.15	55.96	74.00	-18.04	peak



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EUT:	10.1 inch MID	Model:	TM101A550L				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz					
Ant. Pol.	Vertical	Vertical					
Test Mode:	TX N(HT20) Mode 246	2MHz (Adapter 1#)					
Remark:	No report for the emiss prescribed limit.	No report for the emission which more than 10 dB below the prescribed limit.					

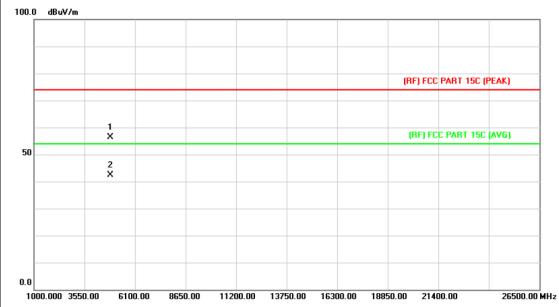


No	. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4923.625	43.25	14.15	57.40	74.00	-16.60	peak
2	*	4923.929	29.31	14.15	43.46	54.00	-10.54	AVG



Page: 47 of 95

EUT:	10.1 inch MID	Model:	TM101A550L				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz					
Ant. Pol.	Horizontal	Horizontal					
Test Mode:	TX N(HT40) Mode 2422N	MHz (Adapter 1#)					
Remark:	No report for the emissio	No report for the emission which more than 10 dB below the					
	prescribed limit.	- N					

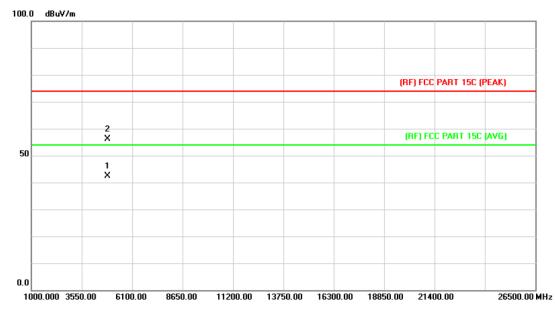


No	. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4843.752	42.69	13.68	56.37	74.00	-17.63	peak
2	*	4844.121	28.63	13.68	42.31	54.00	-11.69	AVG



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EUT:	10.1 inch MID	Model:	TM101A550L				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz					
Ant. Pol.	Vertical	Vertical					
Test Mode:	TX N(HT40) Mode 2422	MHz (Adapter 1#)					
Remark:	No report for the emission	No report for the emission which more than 10 dB below the					
prescribed limit.							
i							

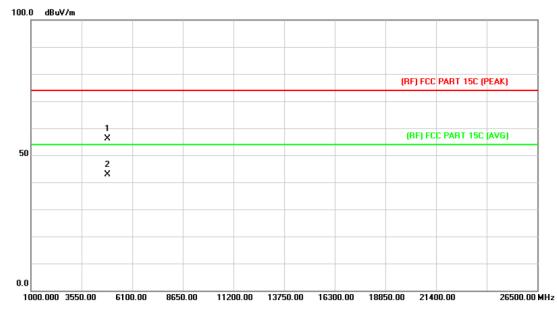


No	. Mk	. Freq.	•	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4844.153	28.66	13.68	42.34	54.00	-11.66	AVG
2		4844.410	42.45	13.68	56.13	74.00	-17.87	peak



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í	EUT:	10.1 inch MID	Model:	TM101A550L			
	Temperature:	25 ℃	Relative Humidity:	55%			
	Test Voltage:	AC 120V/60Hz	01 - 6				
	Ant. Pol.	Horizontal					
	Test Mode:	TX N(HT40) Mode 2437N	MHz (Adapter 1#)	THE PARTY OF THE P			
	Remark:	No report for the emission which more than 10 dB below the					
		prescribed limit.					

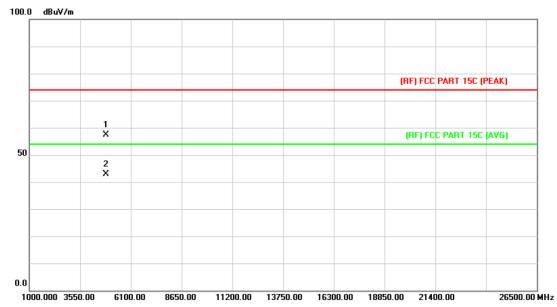


No	. Mk.	Freq.	_	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4873.863	42.16	13.86	56.02	74.00	-17.98	peak
2	*	4874.227	28.92	13.86	42.78	54.00	-11.22	AVG



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EUT:	10.1 inch MID	Model:	TM101A550L					
Temperature:	25 ℃	Relative Humidity:	55%					
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz						
Ant. Pol.	Vertical							
Test Mode:	TX N(HT40) Mode 2437	MHz (Adapter 1#)						
Remark:	No report for the emission	No report for the emission which more than 10 dB below the						
	prescribed limit.							
			·					

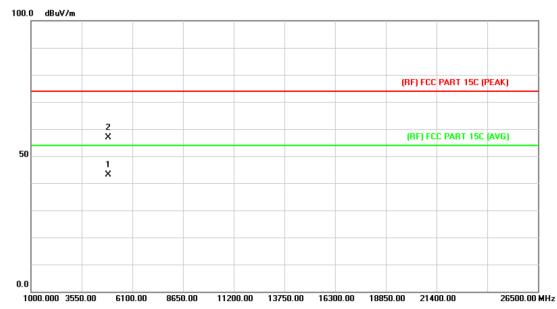


N	o. M	k. Freq.		Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4873.620	43.53	13.86	57.39	74.00	-16.61	peak
2	*	4874.055	28.91	13.86	42.77	54.00	-11.23	AVG



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EUT:	10.1 inch MID	Model:	TM101A550L				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz					
Ant. Pol.	Horizontal						
Test Mode:	TX N(HT40) Mode 2452	MHz (Adapter 1#)	THE PARTY OF THE P				
Remark:	No report for the emission which more than 10 dB below the						
	prescribed limit.						

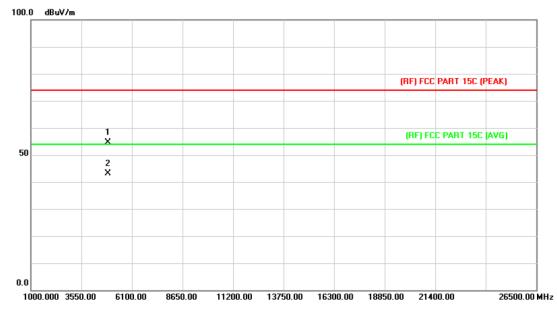


No	. Mk	. Freq.	_	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4903.839	29.15	14.03	43.18	54.00	-10.82	AVG
2		4904.382	42.86	14.03	56.89	74.00	-17.11	peak



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EUT:	10.1 inch MID	Model:	TM101A550L					
Temperature:	25 ℃	Relative Humidity:	55%					
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz						
Ant. Pol.	Vertical							
Test Mode:	TX N(HT40) Mode 2452N	MHz (Adapter 1#)	THE PERSON NAMED IN					
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	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4904.250	40.68	14.03	54.71	74.00	-19.29	peak
2	*	4904.253	29.15	14.03	43.18	54.00	-10.82	AVG



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6. Restricted Bands Requirement

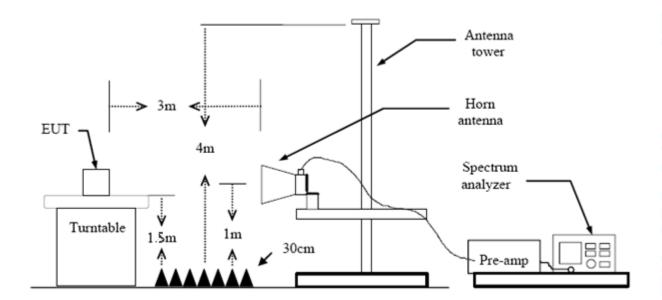
6.1 Test Standard and Limit

6.1.1 Test Standard FCC Part 15.209 FCC Part 15.205

6.1.2 Test Limit

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

6.2 Test Setup



6.3 Test Procedure

- (1) The measuring distance of 3m shall be used for measurements at frequency up to 1GHz and above 1 GHz. The EUT was placed on a rotating 0.8m high above ground, the table was rotated 360 degrees to determine the position of the highest radiation.
- (2) Measurements at frequency above 1GHz. The EUT was placed on a rotating 1.5m high above the ground. RF absorbers covered the ground plane with a minimum area of 3.0m by 3.0m between the EUT and measurement receiver antenna. The RF absorber shall not exceed 30cm in high above the conducting floor. The table was rotated 360 degrees to determine the position of the highest radiation.
- (3) The Test antenna shall vary between 1m and 4m, Both Horizontal and Vertical antenna are set to make measurement.



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(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

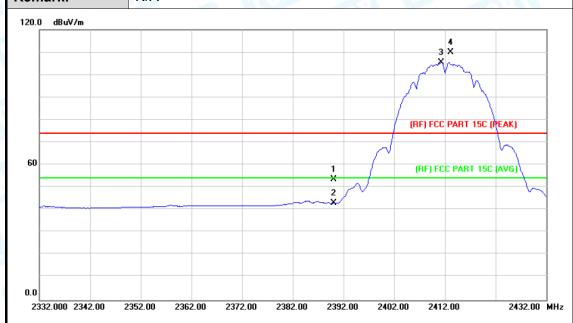
Please see the next page.



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(1) Radiation Test

EUT:	10.1 inch MID	Model:	TM101A550L			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60Hz					
Ant. Pol.	Horizontal					
Test Mode:	TX B Mode 2412MHz (A	TX B Mode 2412MHz (Adapter 1#)				
Remark:	N/A					

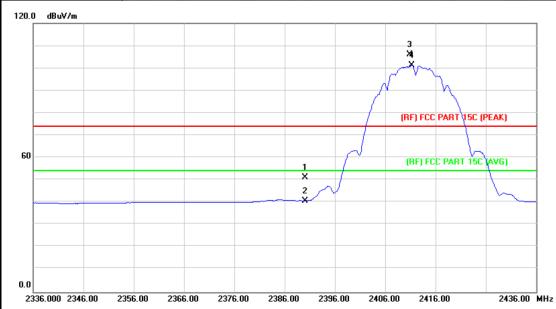


No	. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	52.72	0.77	53.49	74.00	-20.51	peak
2		2390.000	42.23	0.77	43.00	54.00	-11.00	AVG
3	*	2411.300	104.49	0.86	105.35	Fundament	al Frequency	AVG
4	Χ	2413.100	109.20	0.86	110.06	Fundament	al Frequency	peak



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EUT:	10.1 inch MID	Model:	TM101A550L				
Temperature:	25 °C Relative Humidity: 55%						
Test Voltage:	AC 120V/60Hz						
Ant. Pol.	Vertical	Vertical					
Test Mode:	TX B Mode 2412MHz (Adapter 1#) N/A						
Remark:							

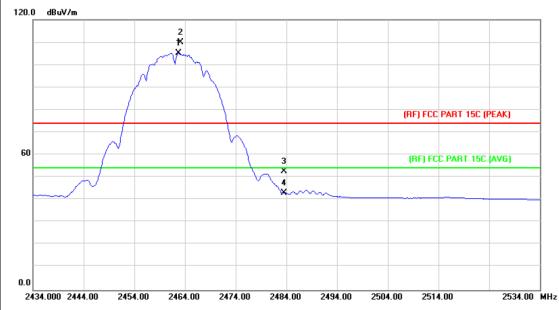


No	. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	50.32	0.77	51.09	74.00	-22.91	peak
2		2390.000	39.95	0.77	40.72	54.00	-13.28	AVG
3	Χ	2410.900	105.13	0.86	105.99	Fundamenta	I Frequency	peak
4	*	2411.300	100.51	0.86	101.37	Fundamenta	l Frequency	AVG



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EUT:	10.1 inch MID	Model:	TM101A550L				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	THE STATE OF						
Ant. Pol.	Horizontal	Horizontal					
Test Mode:	TX B Mode 2462MHz (Ad	dapter 1#)	THE PARTY OF THE P				
Remark:	N/A						

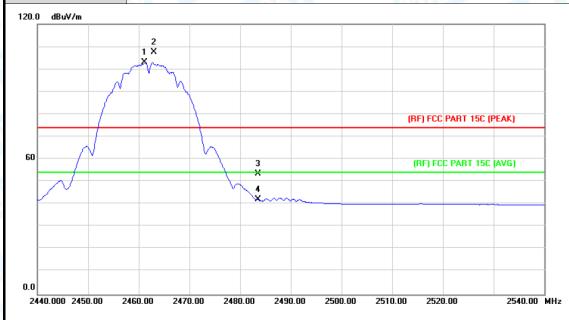


No	o. Mk	c. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	2462.700	104.20	1.08	105.28	Fundamenta	l Frequency	AVG
2	Χ	2463.100	108.96	1.08	110.04	Fundamenta	I Frequency	peak
3		2483.500	51.43	1.17	52.60	74.00	-21.40	peak
4		2483.500	42.01	1.17	43.18	54.00	-10.82	AVG



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EUT:	10.1 inch MID	Model:	TM101A550L					
Temperature:	25 ℃	25 ℃ Relative Humidity: 55%						
Test Voltage:	AC 120V/60Hz							
Ant. Pol.	Vertical							
Test Mode:	TX B Mode 2462MHz (Adapter 1#)							
Remark:	N/A							

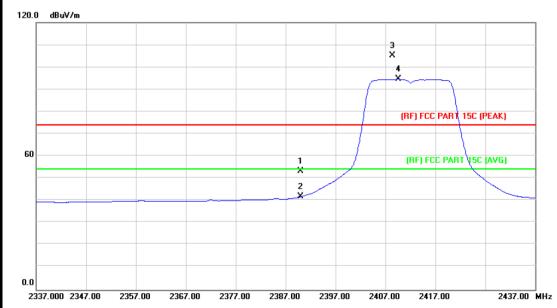


No	o. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	2461.200	101.85	1.07	102.92	Fundamenta	I Frequency	AVG
2	Χ	2463.000	106.45	1.08	107.53	Fundamenta	I Frequency	peak
3		2483.500	52.24	1.17	53.41	74.00	-20.59	peak
4		2483.500	40.89	1.17	42.06	54.00	-11.94	AVG



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EUT:	10.1 inch MID	Model:	TM101A550L				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60Hz						
Ant. Pol.	Horizontal						
Test Mode:	TX G Mode 2412MHz (Adapter 1#)						
Remark: N/A							

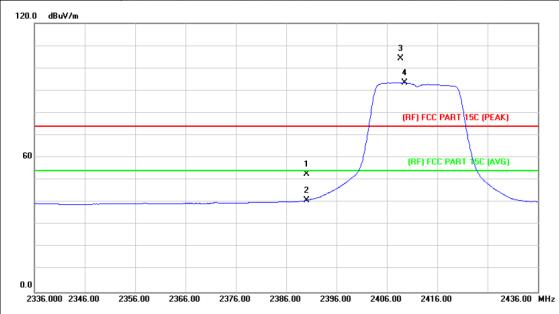


No.	Mk.	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	52.50	0.77	53.27	74.00	-20.73	peak
2		2390.000	41.02	0.77	41.79	54.00	-12.21	AVG
3	Χ	2408.400	104.45	0.85	105.30	Fundamental	Frequency	peak
4	*	2409.600	93.74	0.85	94.59	Fundamental	Frequency	AVG



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EUT:	10.1 inch MID	Model:	TM101A550L				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60Hz						
Ant. Pol.	Vertical						
Test Mode:	TX G Mode 2412MHz (A	dapter 1#)					
Remark:	N/A						

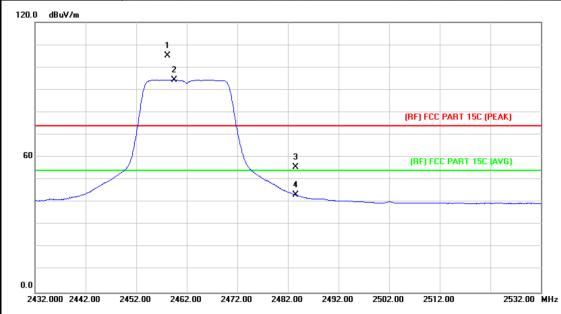


Nc	o. Mk.	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	51.99	0.77	52.76	74.00	-21.24	peak
2		2390.000	40.18	0.77	40.95	54.00	-13.05	AVG
3	Х	2408.700	103.40	0.85	104.25	Fundamental	Frequency	peak
4	*	2409.600	92.62	0.85	93.47	Fundamental	l Frequency	AVG



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EUT:	10.1 inch MID	Model:	TM101A550L				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage: AC 120V/60Hz							
Ant. Pol.	Horizontal						
Test Mode:	TX G Mode 2462MHz (Ad	dapter 1#)					
Remark: N/A							
120.0 dBuV/m							

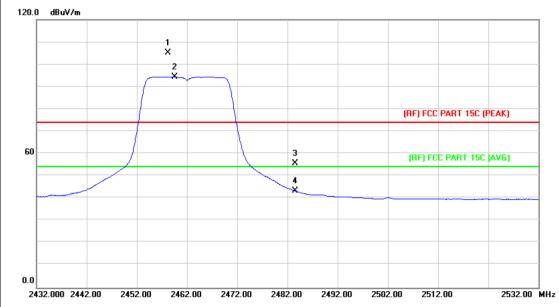


No	. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1	Χ	2458.200	104.01	1.06	105.07	Fundamenta	l Frequency	peak
2	*	2459.500	93.41	1.06	94.47	Fundamenta	l Frequency	AVG
3		2483.500	54.37	1.17	55.54	74.00	-18.46	peak
4		2483.500	42.14	1.17	43.31	54.00	-10.69	AVG



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į.	EUT:	10.1 inch MID	Model:	TM101A550L				
	Temperature:	25 ℃	Relative Humidity:	55%				
	Test Voltage: AC 120V/60Hz							
	Ant. Pol.	Vertical						
	Test Mode:	TX G Mode 2462MHz (A	dapter 1#)	The same of				
	Remark:	N/A	N/A					

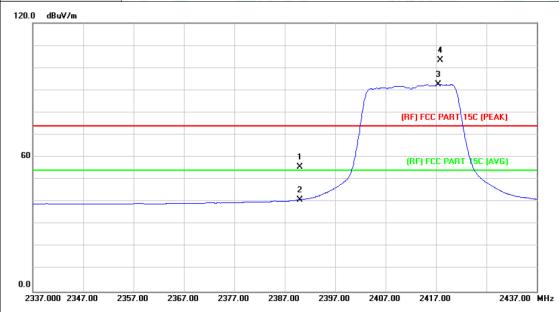


No	. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	Χ	2458.200	104.01	1.06	105.07	- Fundamental	Frequency	peak
2	*	2459.500	93.41	1.06	94.47	Fundamental	Frequency	AVG
3		2483.500	54.37	1.17	55.54	74.00	-18.46	peak
4		2483.500	42.14	1.17	43.31	54.00	-10.69	AVG



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EUT:	10.1 inch MID	Model:	TM101A550L					
Temperature:	25 ℃	Relative Humidity:	55%					
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz						
Ant. Pol.	Horizontal							
Test Mode:	TX N(HT20) Mode 2412N	TX N(HT20) Mode 2412MHz (Adapter 1#)						
Remark:	N/A							

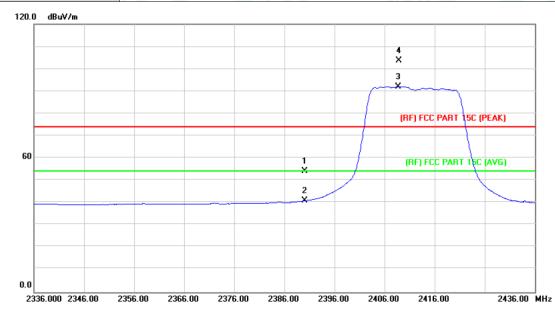


No	. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	54.76	0.77	55.53	74.00	-18.47	peak
2		2390.000	40.25	0.77	41.02	54.00	-12.98	AVG
3	*	2417.400	91.61	0.89	92.50	Fundamental	Frequency	AVG
4	Χ	2417.900	102.49	0.89	103.38	_ Fundamental	Frequency	peak



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EUT:	10.1 inch MID	Model:	TM101A550L				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60Hz						
Ant. Pol.	Vertical						
Test Mode:	TX N(HT20) Mode 2412N	TX N(HT20) Mode 2412MHz (Adapter 1#)					
Remark:	N/A						

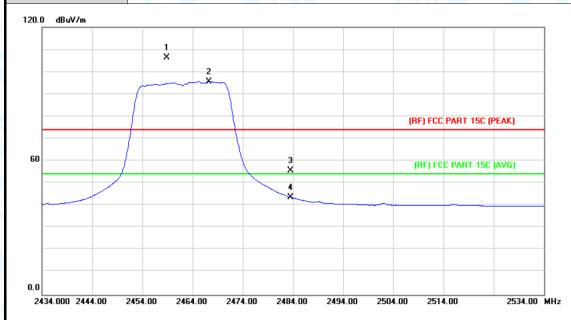


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	53.47	0.77	54.24	74.00	-19.76	peak
2		2390.000	40.16	0.77	40.93	54.00	-13.07	AVG
3	*	2408.700	91.19	0.85	92.04	Fundamental	Frequency	AVG
4	Χ	2408.900	102.75	0.85	103.60	Fundamental	Frequency	peak



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EUT:	10.1 inch MID	Model:	TM101A550L					
Temperature:	25 ℃	Relative Humidity:	55%					
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz						
Ant. Pol.	Horizontal							
Test Mode:	TX N(HT20) Mode 2462MHz (Adapter 1#)							
Remark:	N/A							

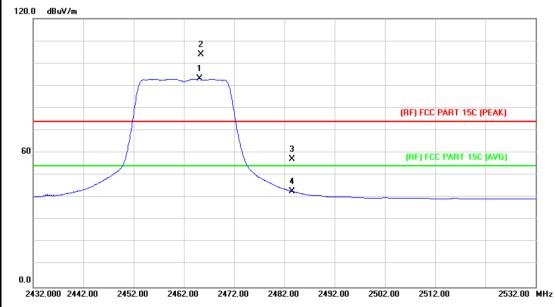


No	. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	Χ	2458.800	105.34	1.06	106.40	Fundamental	Frequency	peak
2	*	2467.300	94.43	1.10	95.53	Fundamental	Frequency	AVG
3		2483.500	54.59	1.17	55.76	74.00	-18.24	peak
4		2483.500	42.61	1.17	43.78	54.00	-10.22	AVG



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i i	EUT:	10.1 inch MID	Model:	TM101A550L					
	Temperature:	25 ℃	Relative Humidity:	55%					
	Test Voltage:	AC 120V/60Hz	AC 120V/60Hz						
Ì	Ant. Pol.	Vertical							
	Test Mode:	TX N(HT20) Mode 2462N	TX N(HT20) Mode 2462MHz (Adapter 1#)						
	Remark:	N/A							

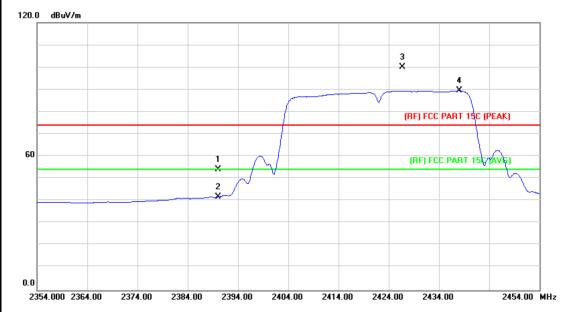


No	o. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	2465.200	91.99	1.09	93.08	Fundamenta	I Frequency	AVG
2	Χ	2465.400	102.73	1.09	103.82	Fundamenta	l Frequency	peak
3		2483.500	56.03	1.17	57.20	74.00	-16.80	peak
4		2483.500	41.61	1.17	42.78	54.00	-11.22	AVG



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EUT:	10.1 inch MID	Model:	TM101A550L					
Temperature:	25 ℃	Relative Humidity:	55%					
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz						
Ant. Pol.	Horizontal							
Test Mode:	TX N(HT40) Mode 2422I	TX N(HT40) Mode 2422MHz (Adapter 1#)						
Remark:	N/A							

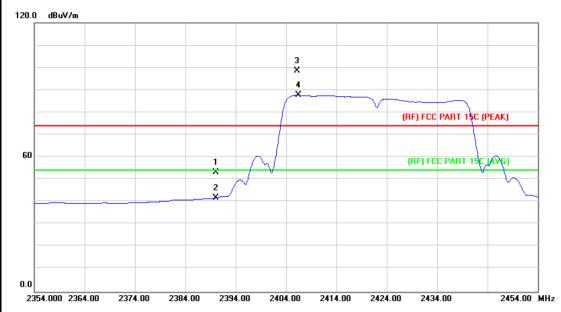


No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	53.24	0.77	54.01	74.00	-19.99	peak
2		2390.000	40.96	0.77	41.73	54.00	-12.27	AVG
3	Χ	2426.700	99.04	0.93	99.97	Fundamenta	l Frequency	peak
4	*	2438.000	88.44	0.98	89.42	Fundamenta	l Frequency	AVG



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EUT:	10.1 inch MID	Model:	TM101A550L					
Temperature:	25 ℃	Relative Humidity:	55%					
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz						
Ant. Pol.	Vertical							
Test Mode:	TX N(HT40) Mode 2422N	TX N(HT40) Mode 2422MHz (Adapter 1#)						
Remark:	N/A							

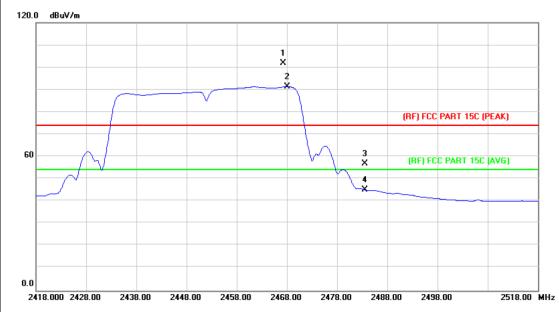


No	. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	52.51	0.77	53.28	74.00	-20.72	peak
2		2390.000	40.95	0.77	41.72	54.00	-12.28	AVG
3	Χ	2406.200	97.60	0.84	98.44	Fundamenta	I Frequency	peak
4	*	2406.400	86.89	0.84	87.73	Fundamenta	l Frequency	AVG



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EUT:	10.1 inch MID	Model:	TM101A550L		
Temperature:	25 ℃	Relative Humidity:	55%		
Test Voltage:	AC 120V/60Hz				
Ant. Pol.	Horizontal				
Test Mode:	TX N(HT40) Mode 2452MHz (Adapter 1#)				
Remark:	N/A				



No	o. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	Χ	2467.300	100.70	1.10	101.80	Fundamental	Frequency	peak
2	*	2468.000	90.25	1.11	91.36	Fundamental	Frequency	AVG
3		2483.500	55.74	1.17	56.91	74.00	-17.09	peak
4		2483.500	43.92	1.17	45.09	54.00	-8.91	AVG



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EUT:	10.1 inch MID	Model:	TM101A550L		
Temperature:	25 ℃	Relative Humidity:	55%		
Test Voltage:	AC 120V/60Hz				
Ant. Pol. Vertical					
Test Mode:	TX N(HT40) Mode 2452MHz (Adapter 1#)				
Remark:	N/A				



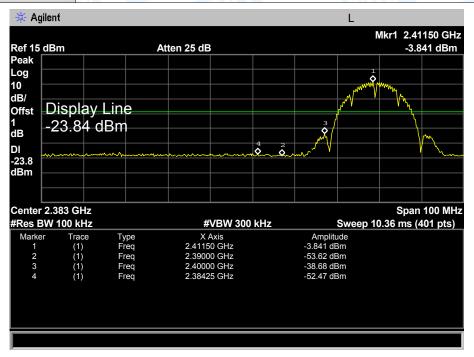
No	. Mk	c. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	2447.600	88.27	1.01	89.28	Fundamental	Frequency	AVG
2	Χ	2448.700	99.22	1.02	100.24	Fundamental	Frequency	peak
3		2483.500	54.47	1.17	55.64	74.00	-18.36	peak
4		2483.500	42.52	1.17	43.69	54.00	-10.31	AVG

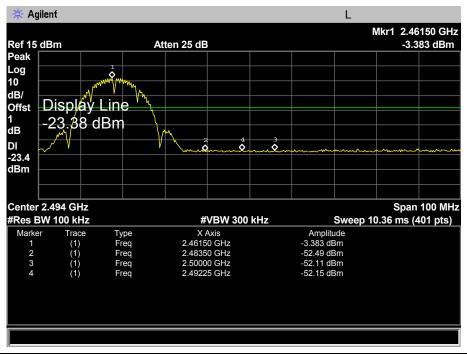


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(2) Conducted Test

EUT:	10.1 inch MID	Model:	TM101A550L		
Temperature:	25 ℃	Relative Humidity:	55%		
Test Voltage:	AC 120V/60 HZ				
Test Mode: TX B Mode 2412MHz / TX B Mode 2462MHz					
Remark: The EUT is programed in continuously transmitting mode					



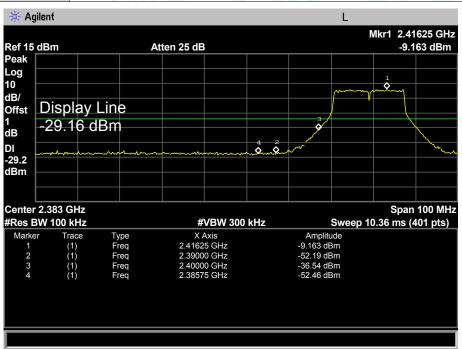


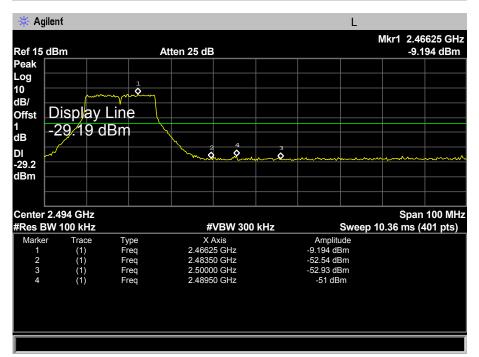


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M N		$\mathbf{D}\mathbf{W}$
	V.	DY

EUT:	10.1 inch MID	Model:	TM101A550L		
Temperature:	25 ℃	Relative Humidity:	55%		
Test Voltage: AC 120V/60 HZ					
Test Mode:	TX G Mode 2412MHz / TX G Mode 2462MHz				
Remark:	The EUT is programed in continuously transmitting mode				



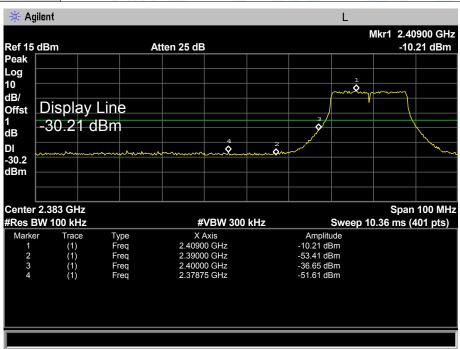


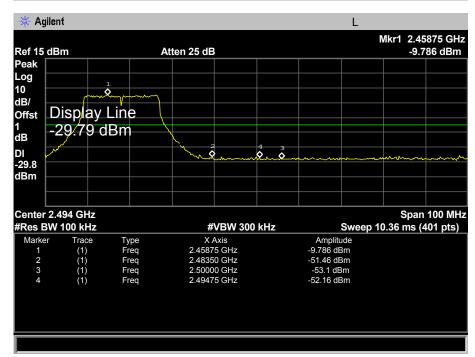


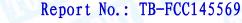
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IKV
LUL

EUT:	10.1 inch MID	Model:	TM101A550L
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60 HZ		
Test Mode:	TX N(HT20) Mode 2412MHz / TX N(HT20) Mode 2462MHz		
Remark:	The EUT is programed in continuously transmitting mode		



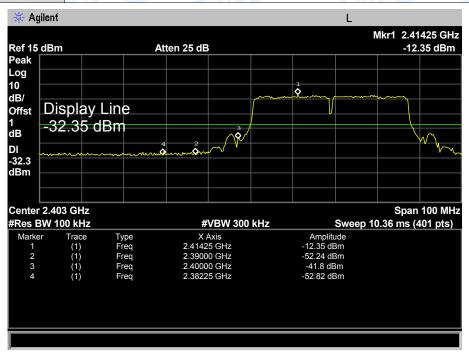


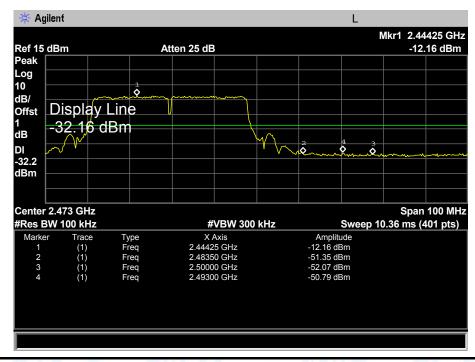




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EUT:	10.1 inch MID	Model:	TM101A550L	
Temperature:	25 ℃	Relative Humidity:	55%	
Test Voltage:	AC 120V/60 HZ			
Test Mode:	TX N(HT40) Mode 2422MHz / TX N(HT40) Mode 2452MHz			
Remark:	The EUT is programed in continuously transmitting mode			







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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-210				
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, middle and high channel for the test.

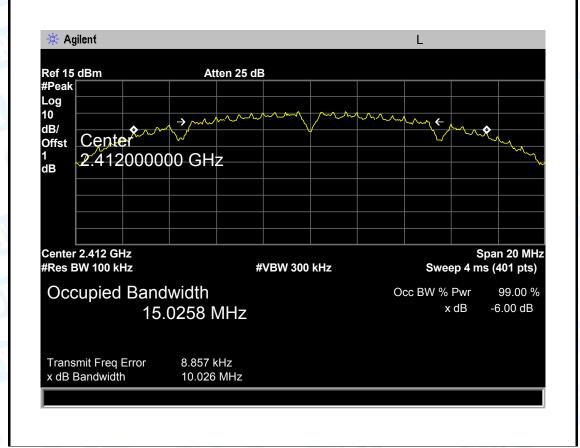


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7.5 Test Data

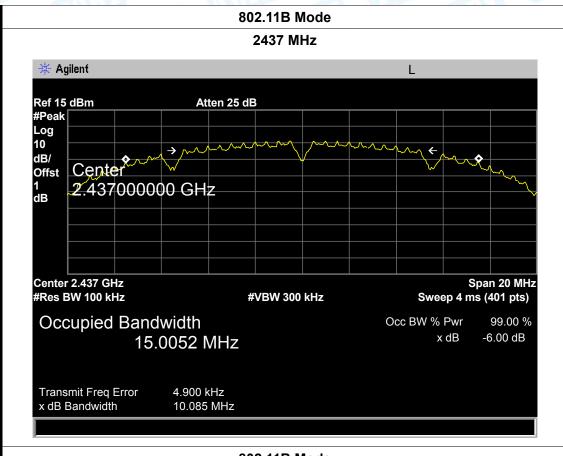
EUT:	10.1 inch MID	Model:	TM101A550L	
Temperature:	25 ℃	Relative Humidity:	55%	
Test Voltage:	AC 120V/60 HZ			
Test Mode:	TX 802.11B Mode			
Channel frequency 6dB Bandwidth		99% Bandwidth	Limit	
(MHz) (MHz)		(MHz)	(MHz)	
2412	10.026	15.0258		
2437	10.085	15.0052	>=0.5	
2462 10.101		14.9975	-	

802.11B Mode





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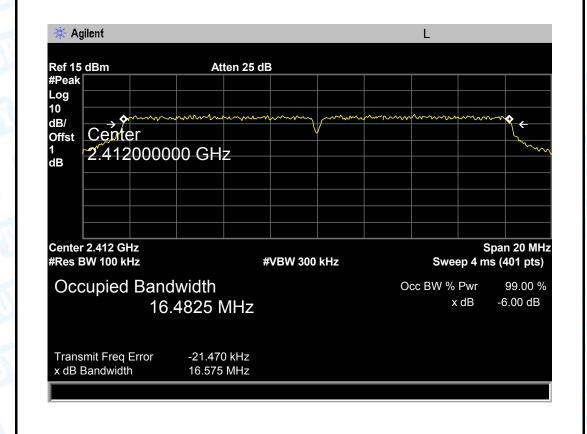


802.11B Mode 2462 MHz 🔆 Agilent Ref 15 dBm Atten 25 dB #Peak Log 10 dB/ Center Offst 1 dB 2.462000000 GHz Center 2.462 GHz Span 20 MHz #Res BW 100 kHz Sweep 4 ms (401 pts) **#VBW 300 kHz** Occupied Bandwidth Occ BW % Pwr 99.00 % -6.00 dB x dB 14.9975 MHz Transmit Freq Error 9.015 kHz x dB Bandwidth 10.101 MHz



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EUT:	10.1 inch MID	Model:	TM101A550L	
Temperature:	25 ℃	Relative Humidity:	55%	
Test Voltage:	AC 120V/60 HZ			
Test Mode: TX 802.11G Mode				
Channel frequen	Channel frequency 6dB Bandwidth 99% Bandwidth Limit			
(MHz)	(MHz)	(MHz)	(MHz)	
2412	16.575	16.4825		
2437	16.561	16.4882	>=0.5	
2462 16.600		16.4950		
	802.11	G Mode	1	





Transmit Freq Error

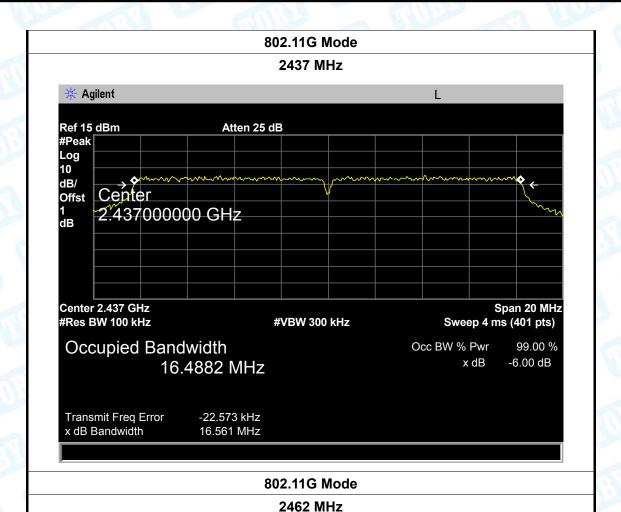
x dB Bandwidth

-31.829 kHz

16.600 MHz

Report No.: TB-FCC145569

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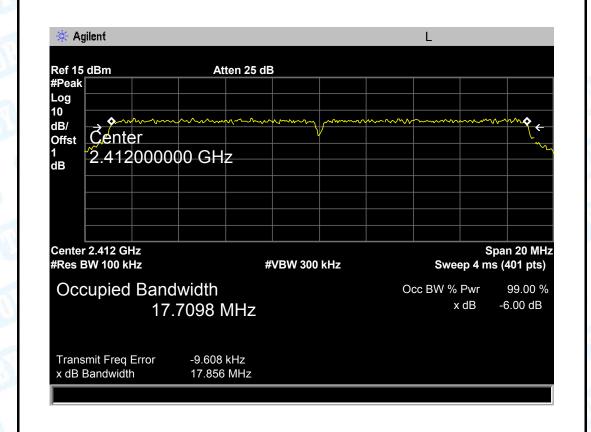


🔆 Agilent Ref 15 dBm Atten 25 dB #Peak Log 10 dB/ Center Offst 1 dB 2.462000000 GHz Center 2.462 GHz Span 20 MHz #Res BW 100 kHz Sweep 4 ms (401 pts) **#VBW 300 kHz** Occupied Bandwidth Occ BW % Pwr 99.00 % -6.00 dB x dB 16.4950 MHz



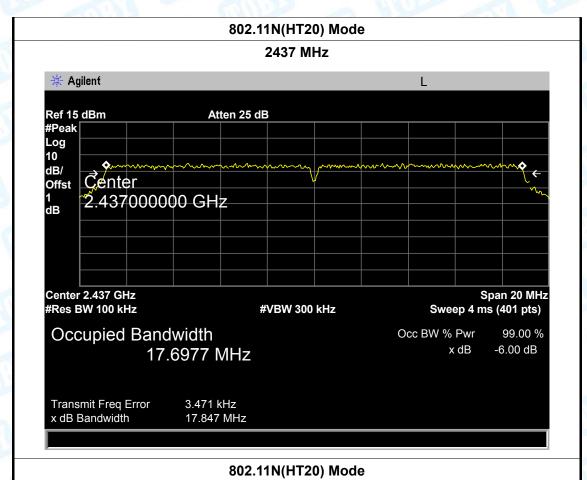
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EUT:	10.1 inch MID	Model:	TM101A550L		
Temperature:	25 ℃	Relative Humidity:	55%		
Test Voltage:	AC 120V/60 HZ	U. A.			
Test Mode:	TX 802.11N(HT20) Mode				
Channel frequen	frequency 6dB Bandwidth 99% Bandwidth Limit				
(MHz)	(MHz)	(MHz)	(MHz)		
2412	17.856	17.7098			
2437	17.847	17.6977	>=0.5		
2462 17.862		17.7075			
802.11N(HT20) Mode					





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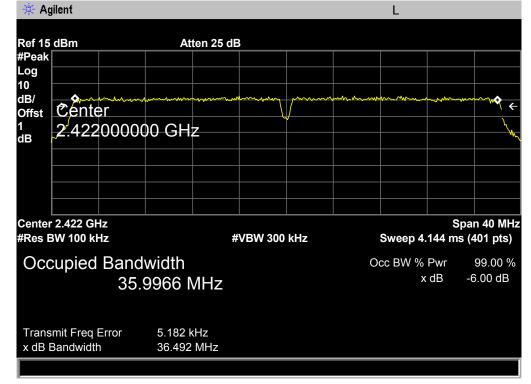


2462 MHz 🔆 Agilent Ref 15 dBm Atten 25 dB #Peak Log 10 dB/ Çenter Offst 1 dB 2.462000000 GHz Center 2.462 GHz Span 20 MHz #Res BW 100 kHz Sweep 4 ms (401 pts) **#VBW 300 kHz** Occupied Bandwidth Occ BW % Pwr 99.00 % -6.00 dB x dB 17.7075 MHz Transmit Freq Error -4.605 kHz x dB Bandwidth 17.862 MHz



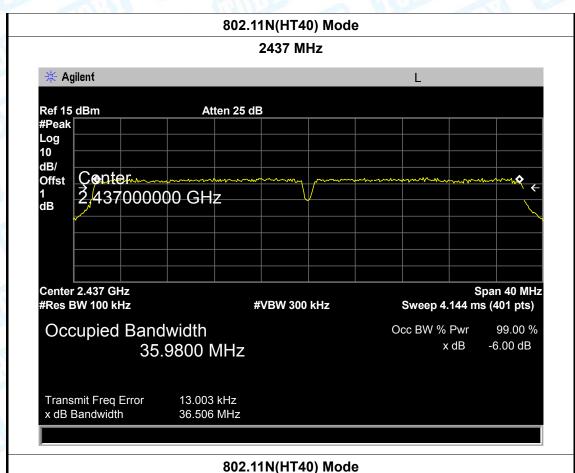
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EUT:	10.1 inch MID		Model:	TM101A550L
Temperature:	25	$^{\circ}$ C	Relative Humidity:	55%
Test Voltage:	AC	120V/60 HZ	5011	TOUR
Test Mode:	TX	(802.11N(HT40) Mod	е	
Channel freque	ncy	6dB Bandwidth	99% Bandwidth	Limit
(MHz)		(MHz)	(MHz)	(MHz)
2422		36.492	35.9966	
2437		35.506	35.9800	>=0.5
2452		36.510	36.0084	
	ľ	802.11N(F	HT40) Mode	
		242	2 MHz	
🔆 Agilent			L	





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2452 MHz 🔆 Agilent Atten 25 dB Ref 15 dBm #Peak Log 10 dB/ Center... Offst 1 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 x dB 36.0084 MHz Transmit Freq Error 8.053 kHz x dB Bandwidth 36.510 MHz



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8. Peak Output Power Test

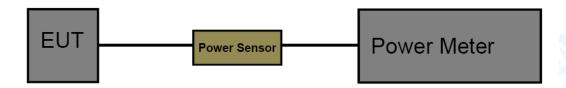
8.1 Test Standard and Limit

8.1.1 Test Standard FCC Part 15.247 (b)

8.1.2 Test Limit

FCC Part 15 Subpart C(15.247)/RSS-210				
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 v03r02.

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:	10.1 inch MID	10.1 inch MID Model Name :	
Temperature:	25 °C Relative Humidity:		55%
Test Voltage:	AC 120V/60 HZ		
Mode	Channel frequency (MHz)	Test Result (dBm)	Limit (dBm)
	2412	9.23	
802.11b	2437	9.32	
	2462	9.48	
802.11g	2412	9.38	
	2437	9.21	
	2462	9.48	30
802.11n	2412	9.12	30
(HT20)	2437	9.42	
(11120)	2462	9.50	
802.11n	2422	9.34	
(HT40)	2437	9.34	
(11140)	2452	9.46	
	Resu	ult: PASS	



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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 v03r02.

- (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

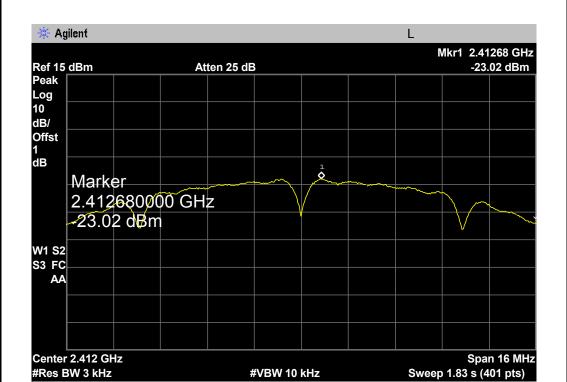
The EUT was set to continuously transmitting in each mode and low, middle and high channel for the test.



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9.5 Test Data

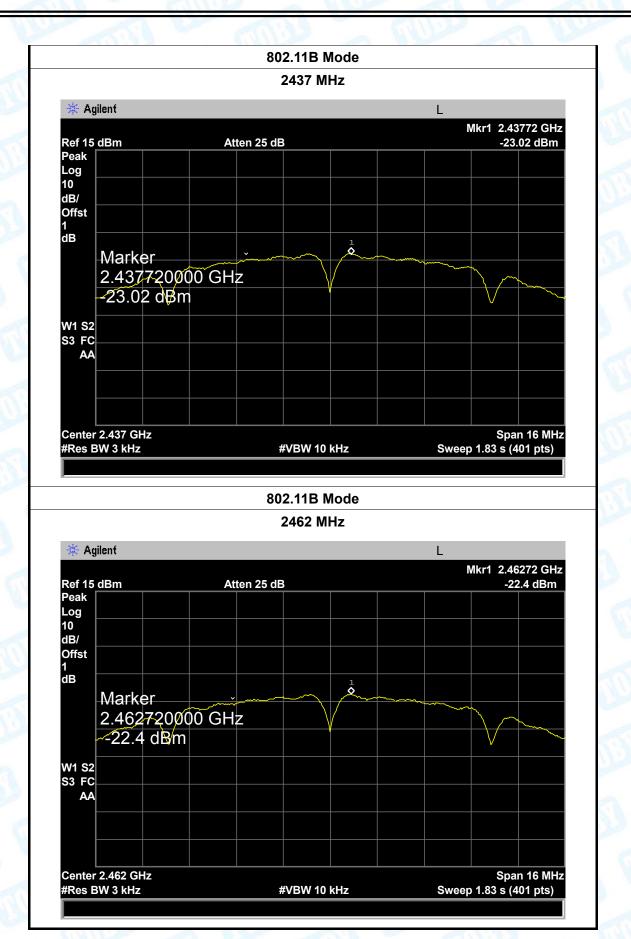
EUT:	10.1 inch	MID	Model:	TM101A550L
Temperature:	25 °C Relative Hum		Relative Humidity:	55%
Test Voltage:	AC 120V	AC 120V/60 HZ		
Test Mode:	TX 802.11B Mode			
Channel Frequency	uency	Power Density		Limit (dBm)
(MHz)	(MHz)		z/dBm)	
2412	2412		3.02	
2437		-23.02		8
2462		-22.40		
802.11B Mode				





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TOBY





Center 2.412 GHz #Res BW 3 kHz Report No.: TB-FCC145569

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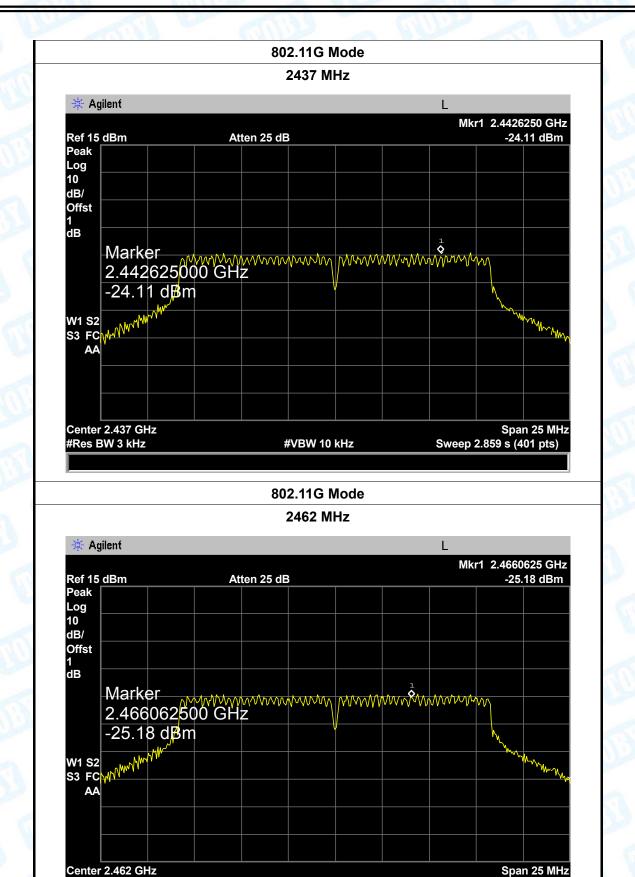
10.1 inch MID		Model:		TM101/	A550L
25 ℃		Temperature:		25 ℃	Alle
AC 120V/60	AC 120V/60 HZ				
TX 802.11G Mode					
		_	-		dBm)
	•				
2437		-24.11		8	
2462		-25.18			
	802.1	1G Mode	<u>"</u>		
	24	12 MHz			
			L		
A	Atten 25 dB		Mkr1 2.4160625 GHz -24.87 dBm		
	100.20				
er ecopyono	wwww		ww \$ ww	wyty	
er 062500 GF	www.hy	~~\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	√√°√√√√	wyty	
er 062500 GH 7 d B m	₩₩₩ Iz	~/\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	√w [₹] ₩₩	who	CMM-VM-V
	25 °C AC 120V/60 TX 802.11G	25 °C AC 120V/60 HZ TX 802.11G Mode quency Powe (3 kl	25 °C Temperate AC 120V/60 HZ TX 802.11G Mode quency Power Density (3 kHz/dBm) -24.87 -24.11 -25.18 802.11G Mode 2412 MHz	25 °C Temperature: AC 120V/60 HZ TX 802.11G Mode Quency Power Density (3 kHz/dBm) -24.87 -24.11 -25.18 802.11G Mode 2412 MHz	25 °C AC 120V/60 HZ TX 802.11G Mode Quency Power Density (3 kHz/dBm) -24.87 -24.11 8 -25.18 802.11G Mode 2412 MHz

#VBW 10 kHz

Span 25 MHz Sweep 2.859 s (401 pts)



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#VBW 10 kHz

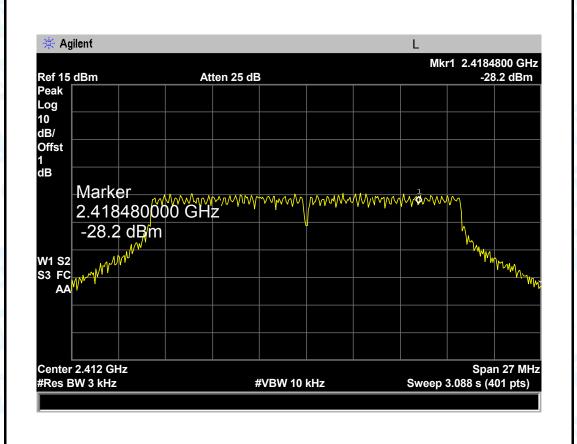
#Res BW 3 kHz

Sweep 2.859 s (401 pts)



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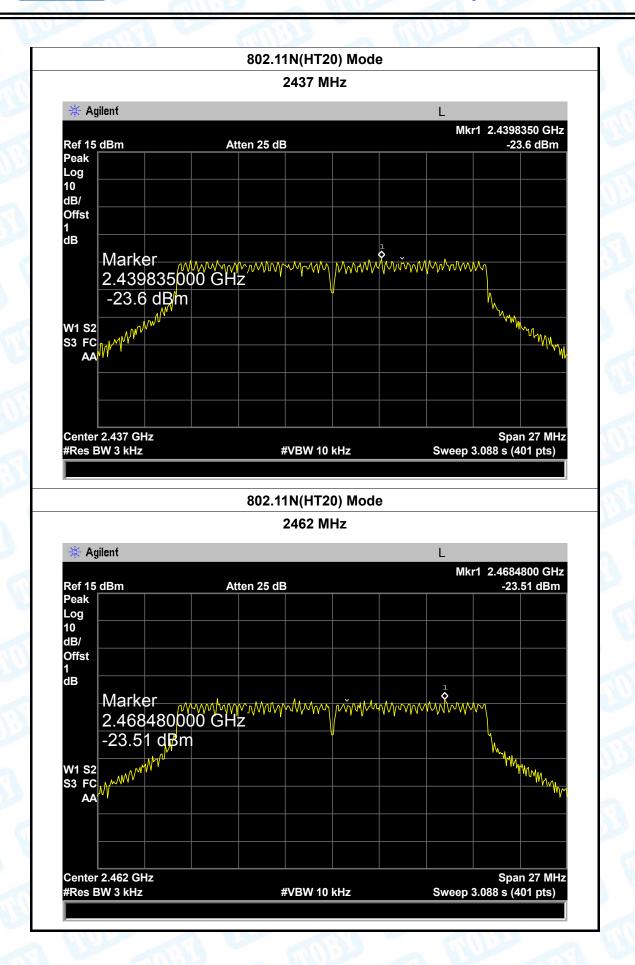
		1000	4.7.2.9		
EUT:	10.1 inch MID		Model:	TM101A550L	
Temperature:	25 ℃		Temperature:	25 ℃	
Test Voltage:	AC 120V	AC 120V/60 HZ			
Test Mode:	TX 802.1	TX 802.11N(HT20) Mode			
Channel Fred	uency Power Density		Density	Limit (dBm)	
(MHz)		(3 kHz	z/dBm)		
2412		-28.20			
2437		-23.60		8	
2462		-23.51			
		802.11N(H	IT20) Mode		
		2412	2 MHz		





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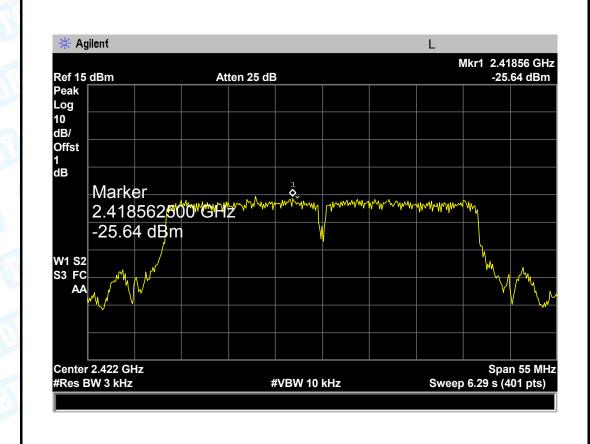


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EUT:	10.1 inch	MID	Model:	TM101A550L	
Temperature:	25 ℃		Temperature:	: 25 ℃	
Test Voltage:	AC 120V/	60 HZ	13:0 F		
Test Mode:	TX 802.11N(HT40) Mode				
Channel Frequency		Power Density		Limit (dBm)	

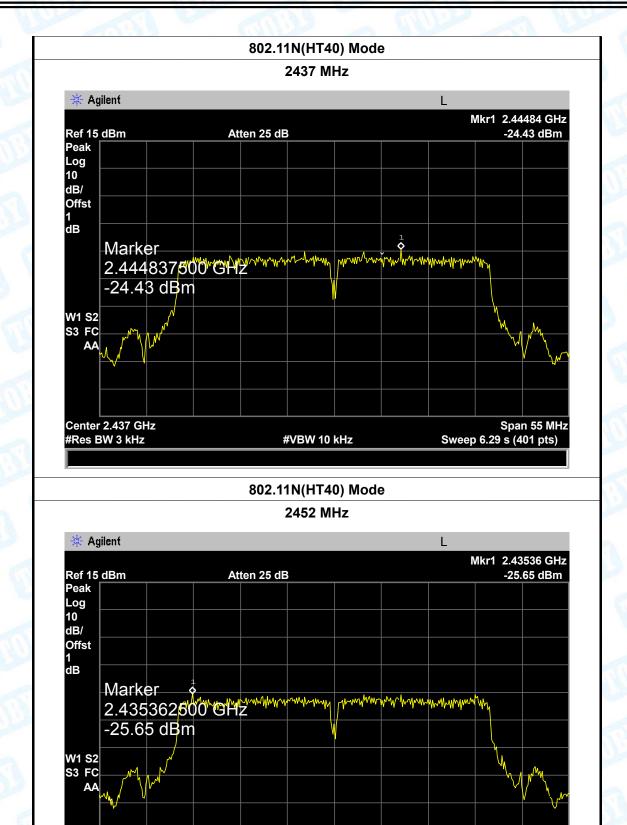
Channel Frequency	Power Density	Limit (dBm)
(MHz)	(3 kHz/dBm)	
2422	-25.64	
2437	-24.43	8
2452	-25.65	

802.11N(HT40) Mode





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#VBW 10 kHz

Center 2.452 GHz

#Res BW 3 kHz

Span 55 MHz

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

10.3 Result

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

	Antenna Type
	□ Permanent attached antenna
Minn	▼ Unique connector antenna
on B	□ Professional installation antenna