

# Shenzhen Toby Technology Co., Ltd.

Report No.: TB-FCC145361 Page: 1 of 78

# FCC Radio Test Report FCC ID: 2AF2V-MGT101

## **Original Grant**

Report No. : TB-FCC145361

Applicant : Motic China Group Co., LTD

**Equipment Under Test (EUT)** 

**EUT Name**: 10.1 inch Quad core capacitive touch tablet

Model No. : MGT101

Series Model No. : N/A

Brand Name : Motic

**Receipt Date** : 2015-09-08

**Test Date** : 2015-09-08 to 2015-09-29

**Issue Date** : 2015-09-30

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

Test Method : ANSI C63.10:2013

Conclusions : PASS

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

The EUT technically complies with the FCC and IC requirements

Test/Witness Engineer :

Approved& Authorized :

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

TB-RF-074-1.0



2 of 78

# Contents

TOBY

CON	TENTS	2
1.	GENERAL INFORMATION ABOUT EUT	4
	1.1 Client Information	4
	1.2 General Description of EUT (Equipment Under Test)	4
	1.3 Block Diagram Showing the Configuration of System Tested	5
	1.4 Description of Support Units	
	1.5 Description of Test Mode	6
	1.6 Description of Test Software Setting	7
	1.7 Measurement Uncertainty	
	1.8 Test Facility	8
2.	TEST SUMMARY	9
3.	TEST EQUIPMENT	10
4.	CONDUCTED EMISSION TEST	11
	4.1 Test Standard and Limit	11
	4.2 Test Setup	
	4.3 Test Procedure	11
	4.4 EUT Operating Mode	12
	4.5 Test Data	12
5.	RADIATED EMISSION TEST	17
	5.1 Test Standard and Limit	17
	5.2 Test Setup	18
	5.3 Test Procedure	19
	5.4 EUT Operating Condition	19
	5.5 Test Data	
6.	RESTRICTED BANDS REQUIREMENT	45
	6.1 Test Standard and Limit	45
	6.2 Test Setup	45
	6.3 Test Procedure	45
	6.5 Test Data	
7.	BANDWIDTH TEST	62
	7.1 Test Standard and Limit	62
	7.2 Test Setup	62
	7.3 Test Procedure	62
	7.4 EUT Operating Condition	62
	7.5 Test Data	
8.	PEAK OUTPUT POWER TEST	69
	8.1 Test Standard and Limit	69
	8.2 Test Setup	69
	8.3 Test Procedure	69



Page: 3 of 78

	8.4 EUT Operating Condition	69
	8.5 Test Data	
9.	POWER SPECTRAL DENSITY TEST	71
	9.1 Test Standard and Limit	71
	9.2 Test Setup	71
	9.3 Test Procedure	
	9.4 EUT Operating Condition	71
	9.5 Test Data	72
10.	ANTENNA REQUIREMENT	78
	10.1 Standard Requirement	78
	10.2 Antenna Connected Construction	



Page: 4 of 78

## 1. General Information about EUT

#### 1.1 Client Information

**Applicant**: Motic China Group Co., LTD

Address : Motic Building, Torch Hi-Tech Industrial Development Zone, Xiamen,

P.R.C

Manufacturer : Shenzhen Huaruian Technology Co., Ltd

Address : HuaRuiAn Building, The Third Industrial Park, Gushu, Xixiang,

Bao'an District, Shenzhen, Guangdong, China

## 1.2 General Description of EUT (Equipment Under Test)

EUT Name	1	10.1 inch Quad core	e capacitive touch tablet	
Models No.	7	MGT101		
Model Difference	•	N/A		
The same		Operation Frequency: 802.11b/g/n(HT20): 2412MHz~2462MHz		
		Number of Channel:	802.11b/g/n(HT20):11 channels see note(3)	
	6	RF Output Power:	802.11b: 16.74dBm	
Dundund			802.11g: 17.83dBm	
Product	:		802.11n (HT20): 16.72dBm	
Description	3	Antenna Gain:	0.75 dBi FPC Antenna	
		Modulation Type:	802.11b:DSSS(CCK, DQPSK, DBPSK)	
		TORK	802.11g/n:OFDM(BPSK,QPSK,16QAM,64QAM)	
		Bit Rate of	802.11b:11/5.5/2/1 Mbps	
		Transmitter:	802.11g:54/48/36/24/18/12/9/6 Mbps	
			802.11n:up to 150Mbps	
Power Supply		DC Voltage supplied from Host System by USB cable.		
	164	DC power supplied	by AC/DC Adapter.	
CHILL STATE		DC power by Li-ion Battery.		
Power Rating	13	DC 5.0V by USB cable.		
		DC 3.7V 6000mAh I	Li-ion Battery.	
		AC/DC Adapter:		
		Input:100~240V, 50/60Hz 0.4A		
- U.F.		Output:5V, 2000mA		
Connecting I/O Port(S)		Please refer to the U	Jser's Manual	

Note:



Page: 5 of 78

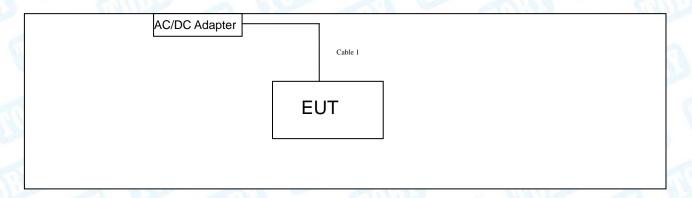
(1) This Test Report is FCC Part 15.247 for 802.11b/g/n, the test procedure follows the FCC KDB 558074 D01 DTS Meas Guidance v03r03.

- (2) For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.
- (3) Antenna information provided by the applicant.
- (4) Channel List:

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

## 1.3 Block Diagram Showing the Configuration of System Tested

#### **TX Mode**



## 1.4 Description of Support Units

	9.4			
	Eq	uipment Information	on	
Name	Model	S/N	Manufacturer	Used "√"
N/A	N/A	N/A	N/A	N/A
		Cable Information		
Number	Shielded Type	Ferrite Core	Length	Note
Cable 1	NO	NO	1.2M	Accessories



Page: 6 of 78

### 1.5 Description of Test Mode

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

For (	Conducted Test
Final Test Mode	Description
Mode 1	AC Charging with TX B Mode

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

#### Note:

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

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

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

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

- (2) During the testing procedure, the continuously transmitting with the maximum power mode was programmed by the customer.
- (3) The EUT is considered a mobile unit; in normal use it was positioned on X-plane. The worst case was found positioned on X-plane. Therefore only the test data of this X-plane was used for radiated emission measurement test.



Page: 7 of 78

## 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	TU	Ampak TestTool, VER :5.3	ER :5.3	
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 <sub>Lab</sub> )
The same of the sa	Level Accuracy:	CHIEF A HOLE
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
Dadiated Emission	Level Accuracy:	. 4 20 dB
Radiated Emission	Above 1000MHz	±4.20 dB



Page: 8 of 78

## 1.8 Test Facility

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

#### **CNAS (L5813)**

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

#### FCC List No.: (811562)

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

#### IC Registration No.: (11950A-1)

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

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



Page: 9 of 78

# 2. Test Summary

	FCC Part 15 Subpart C(15.247)/ RSS 247 Issue 1				
Standa	rd Section	Tool Hom	lu dama ant	Domonic	
FCC	IC	Test Item	Judgment	Remark	
15.203	1	Antenna Requirement	PASS	N/A	
15.207	RSS-GEN 7.2.4	Conducted Emission	PASS	N/A	
15.205	RSS-GEN 7.2.2	Restricted Bands	PASS	N/A	
15.247(a)(2)	RSS 247 5.2 (1)	6dB Bandwidth	PASS	N/A	
15.247(b)	RSS 247 5.4 (4)	Peak Output Power	PASS	N/A	
15.247(e)	RSS 247 5.2 (2)	Power Spectral Density	PASS	N/A	
15.247(d)	RSS 247 5.5	Transmitter Radiated Spurious Emission	PASS	N/A	

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

N/A is an abbreviation for Not Applicable.



Page: 10 of 78

# 3. Test Equipment

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



Page: 11 of 78

## 4. Conducted Emission Test

#### 4.1 Test Standard and Limit

4.1.1Test Standard FCC Part 15.207

#### 4.1.2 Test Limit

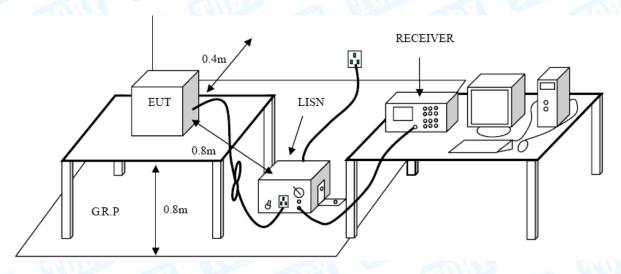
#### **Conducted Emission Test Limit**

Eregueney	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.



Page: 12 of 78

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.

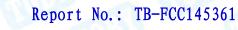
The bandwidth of EMI test receiver is set at 9kHz, and the test frequency band is from 0.15MHz to 30MHz.

## 4.4 EUT Operating Mode

Please refer to the description of test mode.

#### 4.5 Test Data

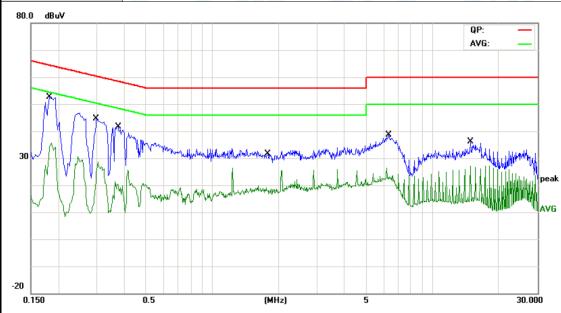
Please see the next page





Page: 13 of 78

EUT:	10.1 inch Quad core capacitive touch tablet	Model Name :	MGT101			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60 Hz	The same of the sa				
Terminal:	Line		CHILL:			
Test Mode:	AC Charging with TX B N	AC Charging with TX B Mode				
Remark:	Only worse case is reported					
80.0 dBuV						



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∨	dB	dBu∨	dBu∀	dB	Detector
1	*	0.1819	39.61	9.98	49.59	64.39	-14.80	QP
2		0.1819	22.94	9.98	32.92	54.39	-21.47	AVG
3		0.2980	29.64	10.02	39.66	60.30	-20.64	QP
4		0.2980	14.03	10.02	24.05	50.30	-26.25	AVG
5		0.3740	27.07	10.02	37.09	58.41	-21.32	QP
6		0.3740	8.80	10.02	18.82	48.41	-29.59	AVG
7		1.7820	16.32	10.06	26.38	56.00	-29.62	QP
8		1.7820	7.42	10.06	17.48	46.00	-28.52	AVG
9		6.3340	22.04	10.03	32.07	60.00	-27.93	QP
10		6.3340	11.90	10.03	21.93	50.00	-28.07	AVG
11		14.8580	20.93	10.26	31.19	60.00	-28.81	QP
12		14.8580	16.42	10.26	26.68	50.00	-23.32	AVG

<sup>\*:</sup>Maximum data x:Over limit !:over margin



Page: 14 of 78



EUT:	10.1 inch Quad core capacitive touch tablet	Model Name :	MGT101 55%					
Temperature:	25 ℃	Relative Humidity:						
Test Voltage:	AC 120V/60 Hz	AC 120V/60 Hz						
Terminal:	Neutral	Neutral						
Test Mode:	AC Charging with TX B I	AC Charging with TX B Mode						
Remark:	Only worse case is repo	rted						
80.0 dBuV								
			QP: — AVG: —					

0	W X		C. Joseph Con	Lypping of the worth	MAN SON BURGARAN CARANTA	agadesternings of	political.	,	\\ \	parameter section of the section of	P
	NA M	ψ									Minima

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	O∨er	
		MHz	dBu∨	dB	dBu∨	dBu∀	dB	Detector
1	*	0.1780	40.76	10.12	50.88	64.57	-13.69	QP
2		0.1780	21.31	10.12	31.43	54.57	-23.14	AVG
3		0.2500	35.54	10.10	45.64	61.75	-16.11	QP
4		0.2500	19.60	10.10	29.70	51.75	-22.05	AVG
5		0.2980	31.80	10.09	41.89	60.30	-18.41	QP
6		0.2980	15.10	10.09	25.19	50.30	-25.11	AVG
7		0.4420	26.22	10.04	36.26	57.02	-20.76	QP
8		0.4420	8.73	10.04	18.77	47.02	-28.25	AVG
9		6.2819	21.71	10.06	31.77	60.00	-28.23	QP
10		6.2819	8.17	10.06	18.23	50.00	-31.77	AVG
11		15.4660	18.01	10.06	28.07	60.00	-31.93	QP
12		15.4660	3.34	10.06	13.40	50.00	-36.60	AVG

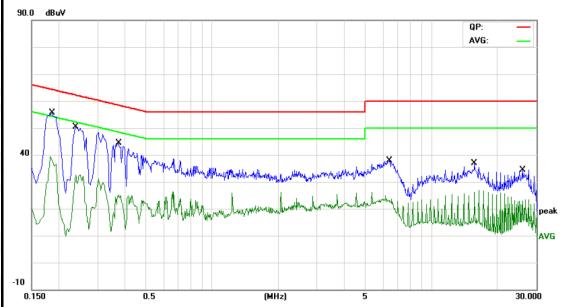
<sup>\*:</sup>Maximum data x:Over limit !:over margin





Page: 15 of 78

EUT:	10.1 inch Quad core capacitive touch tablet	Model Name :	MGT101			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 240V/60 Hz	The same of				
Terminal:	Line		CHILL:			
Test Mode:	AC Charging with TX B N	1ode	£13.3 C			
Remark:	Only worse case is reported					
90.0 dBuV						



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∨	dB	dBu∨	dBu∨	dB	Detector
1	*	0.1860	41.58	9.99	51.57	64.21	-12.64	QP
2		0.1860	25.87	9.99	35.86	54.21	-18.35	AVG
3		0.2380	35.29	10.02	45.31	62.16	-16.85	QP
4		0.2380	19.29	10.02	29.31	52.16	-22.85	AVG
5		0.3740	29.32	10.02	39.34	58.41	-19.07	QP
6		0.3740	16.30	10.02	26.32	48.41	-22.09	AVG
7		6.3940	21.68	10.03	31.71	60.00	-28.29	QP
8		6.3940	11.78	10.03	21.81	50.00	-28.19	AVG
9		15.6380	16.93	10.25	27.18	60.00	-32.82	QP
10		15.6380	7.80	10.25	18.05	50.00	-31.95	AVG
11		25.9340	19.37	10.18	29.55	60.00	-30.45	QP
12		25.9340	12.38	10.18	22.56	50.00	-27.44	AVG

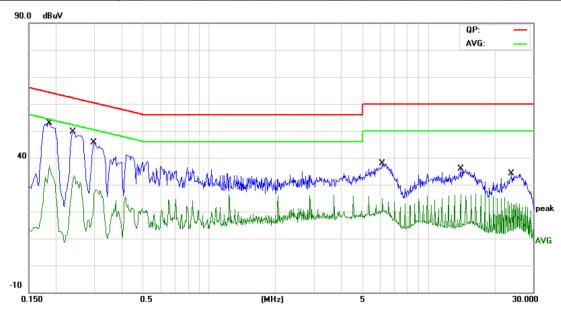
<sup>\*:</sup>Maximum data x:Over limit !:over margin





Page: 16 of 78

EUT:	10.1 inch Quad core capacitive touch tablet	Model Name :	MGT101			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 240V/60 Hz					
Terminal:	Neutral		THU.			
Test Mode:	AC Charging with TX B N	AC Charging with TX B Mode				
Remark:	Only worse case is repor	ted				



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∨	dB	dBu∨	dBu∨	dB	Detector
1	*	0.1860	39.37	9.99	49.36	64.21	-14.85	QP
2		0.1860	23.59	9.99	33.58	54.21	-20.63	AVG
3		0.2380	34.54	10.02	44.56	62.16	-17.60	QP
4		0.2380	17.03	10.02	27.05	52.16	-25.11	AVG
5		0.2980	31.16	10.02	41.18	60.30	-19.12	QP
6		0.2980	15.06	10.02	25.08	50.30	-25.22	AVG
7		6.1779	22.45	10.02	32.47	60.00	-27.53	QP
8		6.1779	15.21	10.02	25.23	50.00	-24.77	AVG
9		14.0020	18.40	10.24	28.64	60.00	-31.36	QP
10		14.0020	12.31	10.24	22.55	50.00	-27.45	AVG
11		23.8900	16.85	10.16	27.01	60.00	-32.99	QP
12		23.8900	11.32	10.16	21.48	50.00	-28.52	AVG

<sup>\*:</sup>Maximum data x:Over limit !:over margin



Page: 17 of 78

# 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	Peak Average		Average	
Above 1000	80	60	74	54	

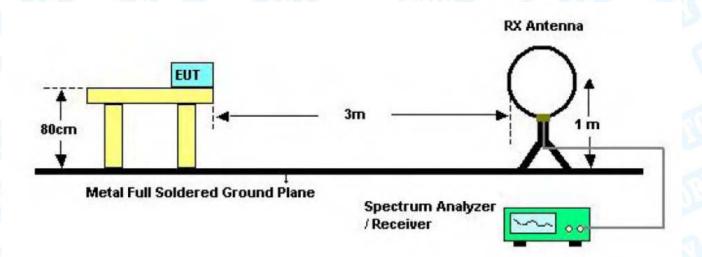
#### Note:

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

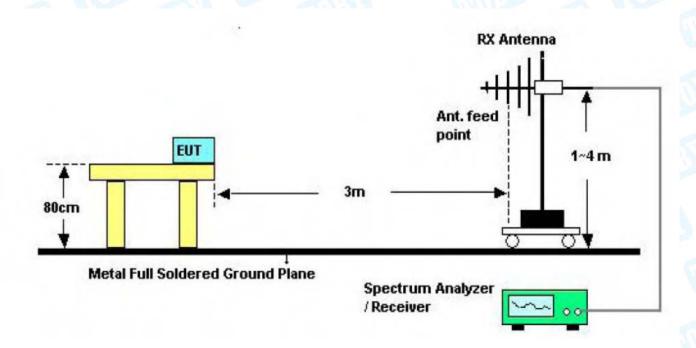


Page: 18 of 78

## 5.2 Test Setup



Below 30MHz Test Setup

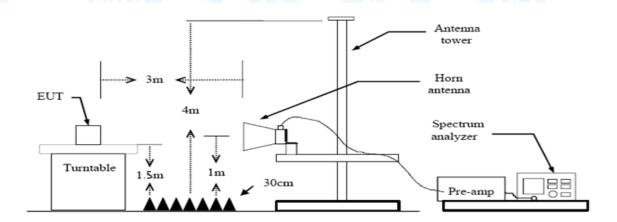


Below 1000MHz Test Setup



TOBY

Page: 19 of 78



Above 1GHz Test Setup

#### 5.3 Test Procedure

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

## 5.4 EUT Operating Condition

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



Page: 20 of 78

## 5.5 Test Data

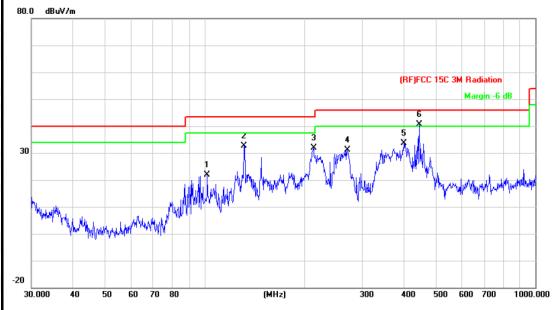
Remark: During testing above 1GHz the measuring instrument use RBW=1 MHz and VBW=3 MHz with Peak Detector for Peak Values, and use RBW=1 MHz and VBW=10 Hz with Peak Detector for Average Values.

Test data please refer the following pages.



Page: 21 of 78

EUT:	10.1 inch Quad core capacitive touch tablet	Model Name :	MGT101
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60 Hz	The same of	
Ant. Pol.	Horizontal	Call State	W.O.
Test Mode:	TX B Mode 2412MHz	0	17.73
Remark:	Only worse case is repo	rted	
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		102.0014	43.63	-21.83	21.80	43.50	-21.70	peak
2		131.7577	54.76	-22.14	32.62	43.50	-10.88	peak
3		213.7634	51.60	-19.79	31.81	43.50	-11.69	peak
4		270.3748	48.92	-17.68	31.24	46.00	-14.76	peak
5		400.4319	46.50	-12.80	33.70	46.00	-12.30	peak
6	*	446.4141	53.20	-12.53	40.67	46.00	-5.33	peak

<sup>\*:</sup>Maximum data x:Over limit !:over margin



Page: 22 of 78

EUT:	10.1 inch Quad core capacitive touch tablet	Model Name :	MGT101			
Temperature:	25 ℃ Relative Humidity: 55%					
Test Voltage:	AC 120V/60 Hz	The same of				
Ant. Pol.	Vertical		CHU			
Test Mode:	TX B Mode 2412MHz					
Remark:	Only worse case is reported					



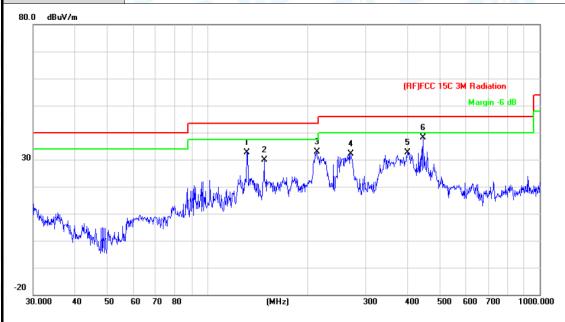
N	o. Mk	Freq.	Reading Le∨el	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		44.7433	52.94	-22.16	30.78	40.00	-9.22	peak
2		49.3594	55.00	-24.12	30.88	40.00	-9.12	peak
3	*	132.2206	57.42	-22.13	35.29	43.50	-8.21	peak
4		197.8928	46.82	-20.49	26.33	43.50	-17.17	peak
5		399.0302	41.05	-12.87	28.18	46.00	-17.82	peak
6		446.4141	43.64	-12.53	31.11	46.00	-14.89	peak

<sup>\*:</sup>Maximum data x:Over limit !:over margin



Report No.: TB-FCC145361
Page: 23 of 78

EUT:	10.1 inch Quad core capacitive touch tablet	Model Name :	MGT101				
Temperature:	25 ℃	55%					
Test Voltage:	AC 120V/60 Hz	AC 120V/60 Hz					
Ant. Pol.	Horizontal		The state of the s				
Test Mode:	TX B Mode 2437MHz						
Remark:	Only worse case is repo	Only worse case is reported					



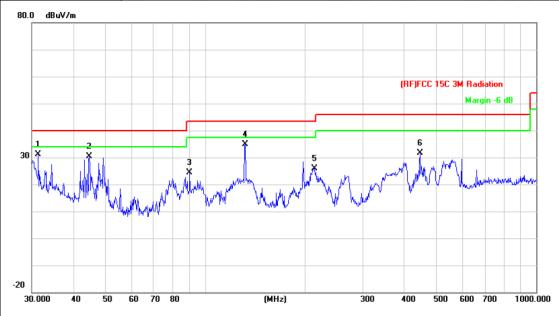
No	. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		131.7574	54.76	-22.14	32.62	43.50	-10.88	peak
2		148.4410	51.30	-21.30	30.00	43.50	-13.50	peak
3		213.7632	52.60	-19.79	32.81	43.50	-10.69	peak
4		270.3747	49.92	-17.68	32.24	46.00	-13.76	peak
5		400.4318	45.50	-12.80	32.70	46.00	-13.30	peak
6	*	446.4141	50.70	-12.53	38.17	46.00	-7.83	peak

<sup>\*:</sup>Maximum data x:Over limit !:over margin



Page: 24 of 78

EUT:	10.1 inch Quad core capacitive touch tablet	Model Name :	MGT101				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60 Hz	AC 120V/60 Hz					
Ant. Pol.	Vertical		CHILL:				
Test Mode:	TX B Mode 2437MHz	7	£13.3 C				
Remark:	Remark: Only worse case is reported						
80.0 dRuV/m	00.0 40.4/-						



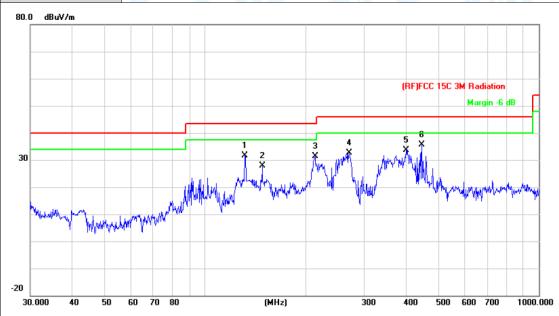
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	O∨er	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		31.3992	46.05	-14.83	31.22	40.00	-8.78	peak
2		44.7433	52.44	-22.16	30.28	40.00	-9.72	peak
3		89.9047	47.07	-22.69	24.38	43.50	-19.12	peak
4	*	132.2204	56.92	-22.13	34.79	43.50	-8.71	peak
5		213.7632	45.79	-19.79	26.00	43.50	-17.50	peak
6		446.4141	44.14	-12.53	31.61	46.00	-14.39	peak

<sup>\*:</sup>Maximum data x:Over limit !:over margin



Page: 25 of 78

EUT:	10.1 inch Quad core capacitive touch tablet	Model Name :	MGT101				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60 Hz	AC 120V/60 Hz					
Ant. Pol.	Horizontal		CALL STATE				
Test Mode:	TX B Mode 2462MHz						
Remark:	Only worse case is reported						



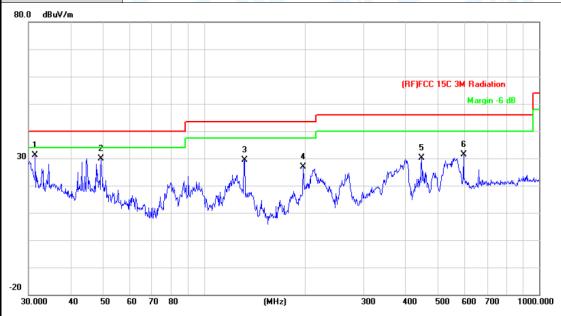
No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	O∨er	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		131.7574	53.76	-22.14	31.62	43.50	-11.88	peak
2		148.4410	49.30	-21.30	28.00	43.50	-15.50	peak
3		213.7632	51.10	-19.79	31.31	43.50	-12.19	peak
4		270.3747	50.42	-17.68	32.74	46.00	-13.26	peak
5		400.4318	46.50	-12.80	33.70	46.00	-12.30	peak
6	*	446.4141	48.20	-12.53	35.67	46.00	-10.33	peak

<sup>\*:</sup>Maximum data x:Over limit !:over margin



Page: 26 of 78

EUT:	10.1 inch Quad core capacitive touch tablet	Model Name :	MGT101				
Temperature:	25 ℃	25 °C Relative Humidity: 55%					
Test Voltage:	AC 120V/60 Hz	The same of the sa					
Ant. Pol.	Vertical		CHILL:				
Test Mode:	TX B Mode 2462MHz	TX B Mode 2462MHz					
Remark:	Only worse case is repo	Only worse case is reported					



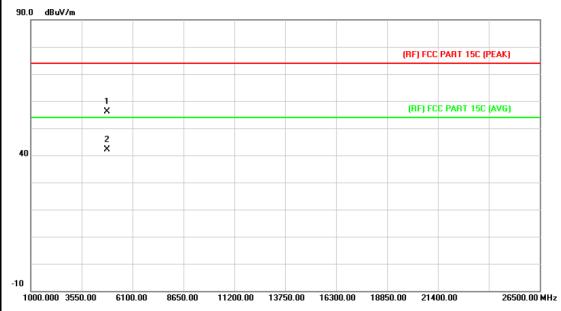
No	. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	31.3992	46.05	-14.83	31.22	40.00	-8.78	peak
2		49.3594	54.00	-24.12	29.88	40.00	-10.12	peak
3		132.2204	51.42	-22.13	29.29	43.50	-14.21	peak
4		197.8926	47.32	-20.49	26.83	43.50	-16.67	peak
5		446.4141	42.64	-12.53	30.11	46.00	-15.89	peak
6		595.1327	41.08	-9.59	31.49	46.00	-14.51	peak

<sup>\*:</sup>Maximum data x:Over limit !:over margin



Page: 27 of 78

EUT:	10.1 inch Quad core capacitive touch tablet	Model:	MGT101			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60 Hz					
Ant. Pol.	Horizontal		THU.			
Test Mode:	TX B Mode 2412MHz					
Remark:	No report for the emissio prescribed limit.	n which more than 10 o	dB below the			

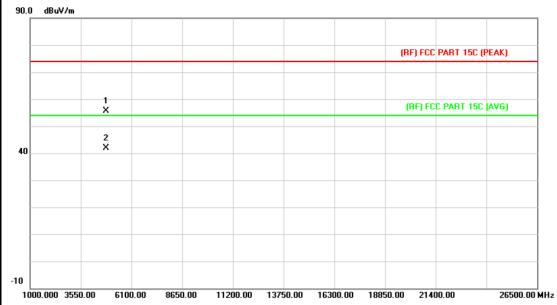


No	. Mk	. Freq.	_	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4824.173	42.56	13.56	56.12	74.00	-17.88	peak
2	*	4824.173	28.45	13.56	42.01	54.00	-11.99	AVG



Page: 28 of 78

EUT:	10.1 inch Quad core capacitive touch tablet	Model:	MGT101		
Temperature:	25 ℃	Relative Humidity:	55%		
Test Voltage:	Test Voltage: AC 120V/60 Hz				
Ant. Pol.	Vertical		THE PERSON NAMED IN		
Test Mode:	TX B Mode 2412MHz		17.33		
Remark:	No report for the emission prescribed limit.	n which more than 10	dB below the		

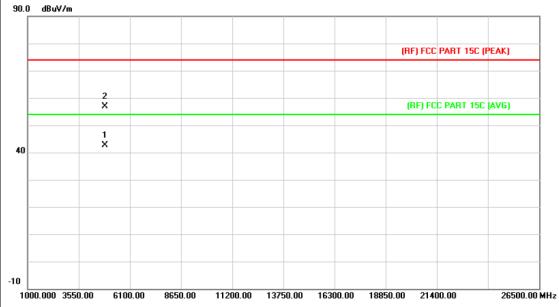


No	. Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4823.516	41.97	13.56	55.53	74.00	-18.47	peak
2	*	4824.398	28.42	13.56	41.98	54.00	-12.02	AVG



Page: 29 of 78

EUT:	10.1 inch Quad core capacitive touch tablet	Model Name :	MGT101	
Temperature:	25 ℃	Relative Humidity:	55%	
Test Voltage:	AC 120V/60 Hz			
Ant. Pol.	Horizontal		CIU.	
Test Mode:	TX B Mode 2437MHz			
Remark: No report for the emission which more than 10 dB below the prescribed limit.				

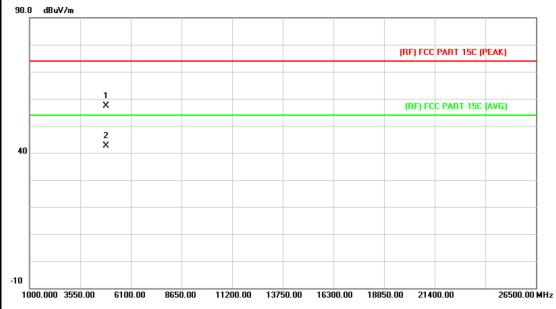


No	. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4873.581	28.73	13.86	42.59	54.00	-11.41	AVG
2		4874.371	43.08	13.86	56.94	74.00	-17.06	peak



30 of 78 Page:

10.1 inch Quad core capacitive touch tablet	Model Name :	MGT101			
25 ℃	Relative Humidity:	55%			
AC 120V/60 Hz					
Vertical					
TX B Mode 2437MHz					
No report for the emissio prescribed limit.	n which more than 10 o	dB below the			
	capacitive touch tablet 25 ℃ AC 120V/60 Hz  Vertical  TX B Mode 2437MHz  No report for the emission	capacitive touch tablet  25 °C  Relative Humidity:  AC 120V/60 Hz  Vertical  TX B Mode 2437MHz  No report for the emission which more than 10 or			

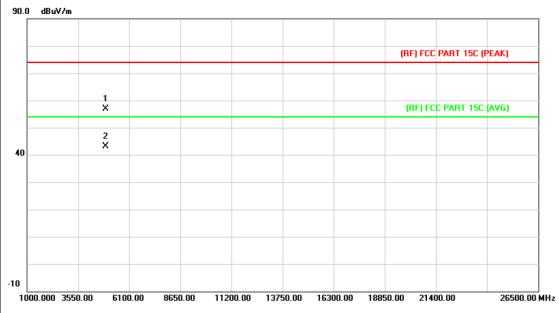


No	o. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4874.174	43.58	13.86	57.44	74.00	-16.56	peak
2		4874.215	28.75	13.86	42.61	74.00	-31.39	peak



Page: 31 of 78

EUT:	10.1 inch Quad core capacitive touch tablet	Model Name :	MGT101	
Temperature:	25 ℃	Relative Humidity:	55%	
Test Voltage:	AC 120V/60 Hz	The same of		
Ant. Pol.	Horizontal		CHU:	
Test Mode:	TX B Mode 2462MHz		£13.3	
Remark: No report for the emission which more than 10 dB below the prescribed limit.				
00.0 40.44				

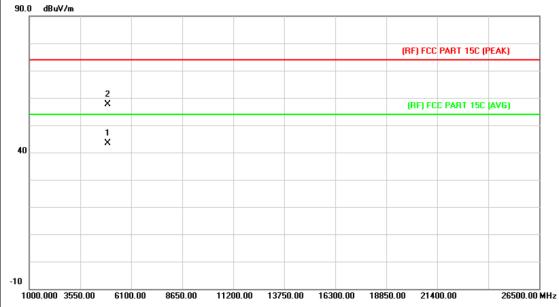


No	o. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4923.519	42.81	14.15	56.96	74.00	-17.04	peak
2	*	4923.888	29.10	14.15	43.25	54.00	-10.75	AVG



Page: 32 of 78

EUT:	10.1 inch Quad core capacitive touch tablet	Model Name :	MGT101
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60 Hz		
Ant. Pol.	Vertical		THE PERSON NAMED IN
Test Mode:	TX B Mode 2462MHz		£1.73 C
Remark:	No report for the emissio prescribed limit.	n which more than 10	dB below the

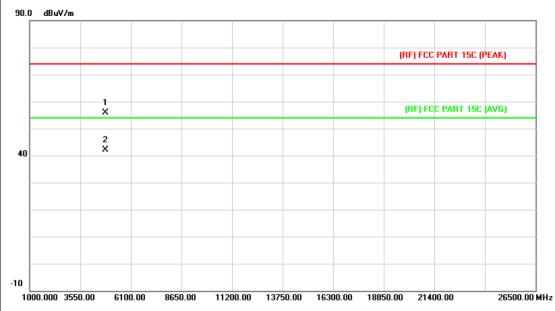


No	. Mk	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4923.622	29.12	14.15	43.27	54.00	-10.73	AVG
2		4924.384	43.45	14.15	57.60	74.00	-16.40	peak



Report No.: TB-FCC145361
Page: 33 of 78

10.1 inch Quad core capacitive touch tablet  Model Name :		MGT101		
25 ℃	Relative Humidity:	55%		
AC 120V/60 Hz				
Horizontal				
TX G Mode 2412MHz				
No report for the emission which more than 10 dB below the prescribed limit.				
	capacitive touch tablet 25 °C  AC 120V/60 Hz  Horizontal  TX G Mode 2412MHz  No report for the emission	capacitive touch tablet  25 °C  Relative Humidity:  AC 120V/60 Hz  Horizontal  TX G Mode 2412MHz  No report for the emission which more than 10 or		

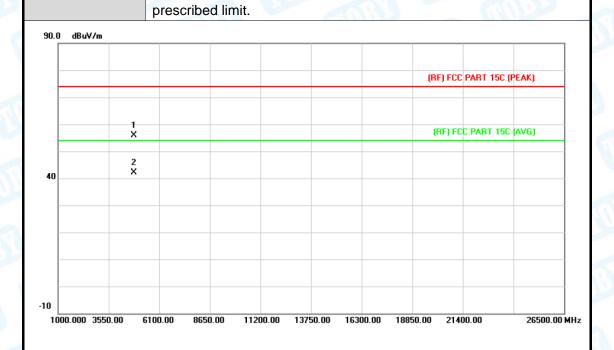


No	o. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4823.637	42.20	13.56	55.76	74.00	-18.24	peak
2	*	4824.439	28.48	13.56	42.04	54.00	-11.96	AVG



34 of 78 Page:

A MILLIA						
EUT:	10.1 inch Quad core capacitive touch tablet	Model Name :	MGT101			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60 Hz					
Ant. Pol.	Vertical					
Test Mode: TX G Mode 2412MHz		9 0				
Remark:	No report for the emission	No report for the emission which more than 10 dB below the				

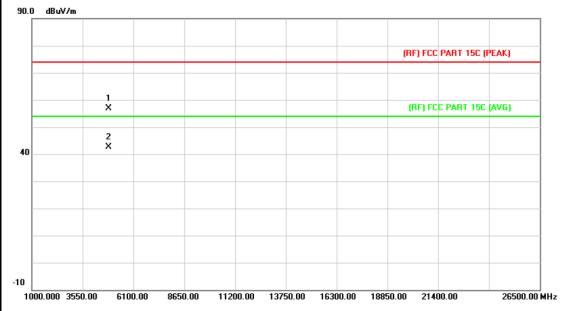


No	. Mk	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4824.433	42.26	13.56	55.82	54.00	1.82	AVG
2		4824.439	28.48	13.56	42.04	74.00	-31.96	peak



Page: 35 of 78

EUT:	10.1 inch Quad core capacitive touch tablet	Model Name :	MGT101			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60 Hz					
Ant. Pol.	Horizontal					
Test Mode:	TX G Mode 2437MHz					
Remark:	No report for the emission which more than 10 dB below the prescribed limit.					

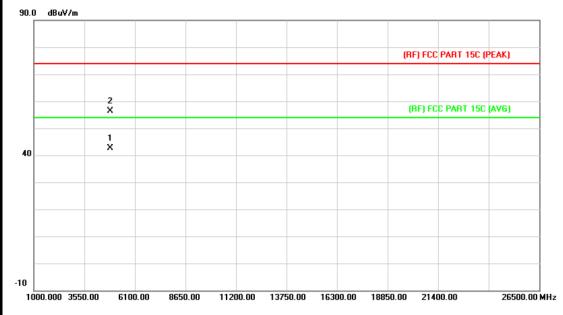


No	. Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4874.430	43.08	13.86	56.94	74.00	-17.06	peak
2	*	4874.825	28.86	13.86	42.72	54.00	-11.28	AVG



36 of 78 Page:

EUT:	10.1 inch Quad core capacitive touch tablet	Model Name :	MGT101			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60 Hz					
Ant. Pol.	Vertical					
Test Mode:	TX G Mode 2437MHz					
Remark:	No report for the emission which more than 10 dB below the prescribed limit.					

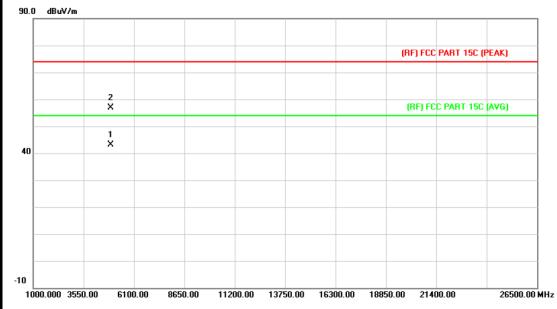


No	o. Mk	. Freq.	_	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4874.072	28.78	13.86	42.64	54.00	-11.36	AVG
2		4874.338	42.56	13.86	56.42	74.00	-17.58	peak



Page: 37 of 78

EUT:	10.1 inch Quad core capacitive touch tablet	Model Name :	MGT101		
Temperature:	25 ℃	Relative Humidity:	55%		
Test Voltage:	AC 120V/60 Hz	The same of			
Ant. Pol.	Horizontal		O. C. C.		
Test Mode:	TX G Mode 2462MHz				
Remark:	No report for the emission which more than 10 dB below the prescribed limit.				

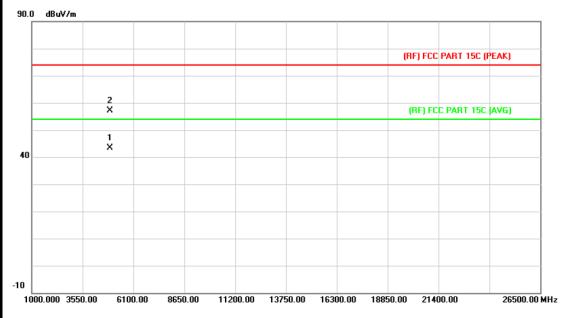


N	lo. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4924.010	29.10	14.15	43.25	54.00	-10.75	AVG
2		4924.312	42.81	14.15	56.96	74.00	-17.04	peak



38 of 78 Page:

10.1 inch Quad core capacitive touch tablet	Model Name :	MGT101			
25 ℃	Relative Humidity:	55%			
AC 120V/60 Hz	AC 120V/60 Hz				
Vertical		O. C. C.			
TX G Mode 2462MHz					
No report for the emission which more than 10 dB below the prescribed limit.					
	capacitive touch tablet 25 ℃ AC 120V/60 Hz Vertical TX G Mode 2462MHz	capacitive touch tablet  25 °C  Relative Humidity:  AC 120V/60 Hz  Vertical  TX G Mode 2462MHz  No report for the emission which more than 10 or			

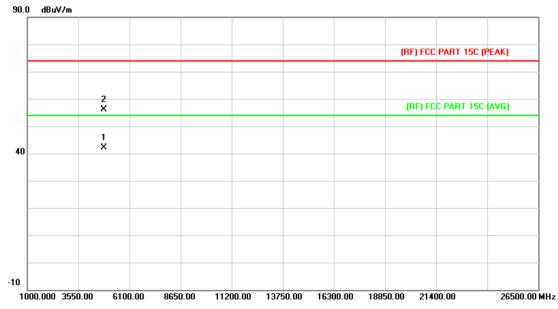


No	. Mk	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4923.786	29.11	14.15	43.26	54.00	-10.74	AVG
2		4924.331	43.03	14.15	57.18	74.00	-16.82	peak



Page: 39 of 78

EUT:	10.1 inch Quad core capacitive touch tablet	Model Name :	MGT101	
Temperature:	25 ℃	Relative Humidity:	55%	
Test Voltage:	AC 120V/60 Hz			
Ant. Pol.	Horizontal		ON THE	
Test Mode:	TX N(HT20) Mode 2412N	ИНz		
Remark: No report for the emission which more than 10 dB below the prescribed limit.				

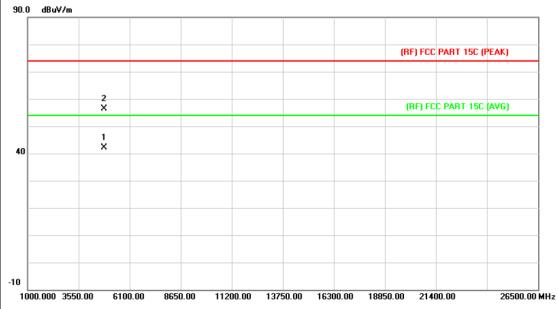


No	o. Mk	. Freq.	_	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4824.051	28.48	13.56	42.04	54.00	-11.96	AVG
2		4824.489	42.61	13.56	56.17	74.00	-17.83	peak



Page: 40 of 78

EUT:	10.1 inch Quad core capacitive touch tablet	Model Name :	MGT101	
Temperature:	25 ℃	Relative Humidity:	55%	
Test Voltage:	AC 120V/60 Hz			
Ant. Pol.	Vertical		ON THE	
Test Mode:	TX N(HT20) Mode 2412N	ИНz		
Remark: No report for the emission which more than 10 dB below the prescribed limit.				

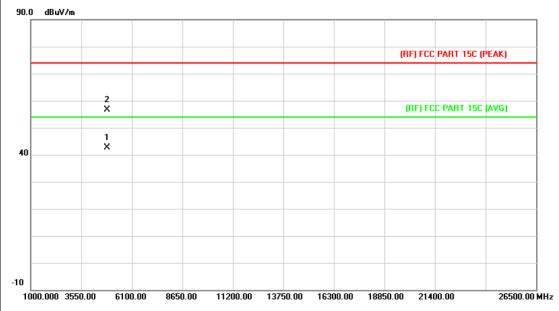


No	. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4824.174	28.46	13.56	42.02	54.00	-11.98	AVG
2		4824.241	42.77	13.56	56.33	74.00	-17.67	peak



Page: 41 of 78

EUT:	10.1 inch Quad core capacitive touch tablet	Model Name :	MGT101			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60 Hz	AC 120V/60 Hz				
Ant. Pol.	Horizontal		O. C. C.			
Test Mode:	TX N(HT20) Mode 2437N	ИНz				
Remark:	No report for the emission which more than 10 dB below the prescribed limit.					

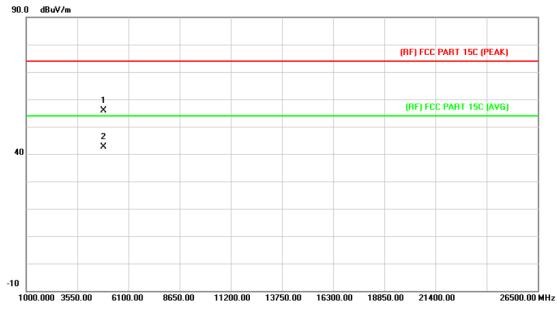


No	. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4873.561	28.79	13.86	42.65	54.00	-11.35	AVG
2		4873.563	42.87	13.86	56.73	74.00	-17.27	peak



Page: 42 of 78

EUT:	10.1 inch Quad core capacitive touch tablet	Model Name :	MGT101				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60 Hz	AC 120V/60 Hz					
Ant. Pol.	Vertical		THU .				
Test Mode:	TX N(HT20) Mode 2437N	ИНz					
Remark: No report for the emission which more than 10 dB below the prescribed limit.							

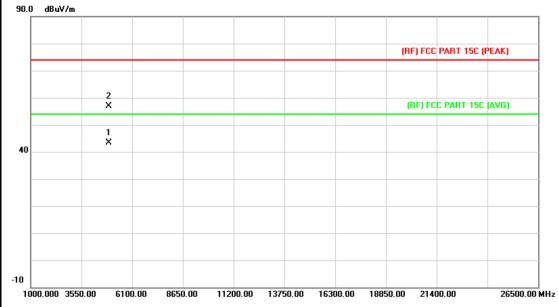


No	. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4873.608	41.96	13.86	55.82	74.00	-18.18	peak
2	*	4874.316	28.79	13.86	42.65	54.00	-11.35	AVG



Page: 43 of 78

EUT:	10.1 inch Quad core capacitive touch tablet	Model Name :	MGT101				
Temperature:	25 °C Relative Humidity: 55%						
Test Voltage:	AC 120V/60 Hz						
Ant. Pol.	Horizontal		THE PERSON NAMED IN				
Test Mode:	TX N(HT20) Mode 2462	ИНz	17.33				
Remark:	No report for the emission which more than 10 dB below the prescribed limit.						

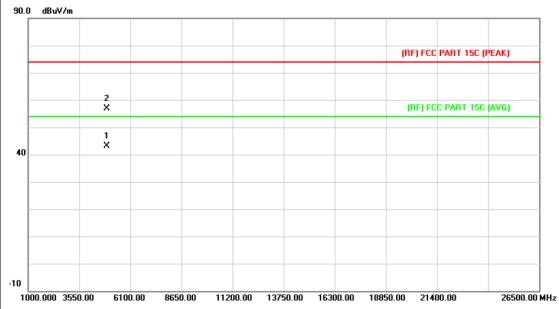


No	. Mk	. Freq.	_		Measure- ment	Limit	Over	J
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4923.704	29.12	14.15	43.27	54.00	-10.73	AVG
2		4924.334	42.78	14.15	56.93	74.00	-17.07	peak



Page: 44 of 78

EUT:	10.1 inch Quad core capacitive touch tablet	Model Name :	MGT101				
Temperature:	25 °C Relative Humidity: 55%						
Test Voltage:	AC 120V/60 Hz						
Ant. Pol.	Vertical		CIU.				
Test Mode:	TX N(HT20) Mode 2462	ИНz	CA3 67				
Remark:	No report for the emission which more than 10 dB below the prescribed limit.						



N	o. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4923.847			43.25	54.00	-10.75	AVG
2		4924.409	42.83	14.15	56.98	74.00	-17.02	peak



Page: 45 of 78

# 6. Restricted Bands Requirement

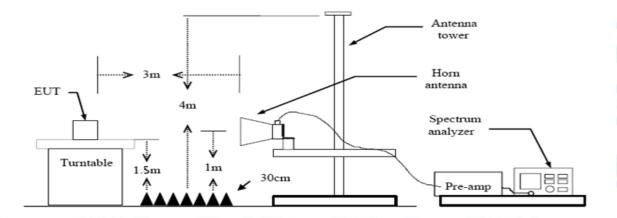
### 6.1 Test Standard and Limit

5.1.1 Test Standard FCC Part 15.209 FCC Part 15.205

5.1.2 Test Limit

Restricted Frequency	Class B (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. The EUT was placed on a rotating 0.8m high above the ground, the table was rotated 360 degrees to determine the position of the highest radiation.
- (2) Measurements at frequency above 1GHz. The EUT was placed on a rotating 1.5m high above the ground. RF absorbers covered the ground plane with a minimum area of 3.0m by 3.0m between the EUT and measurement receiver antenna. The RF absorber shall not exceed 30cm in high above the conducting floor. The table was rotated 360 degrees to determine the position of the highest radiation.
- (3) The Test antenna shall vary between 1m and 4m, Both Horizontal and Vertical antenna are set to make measurement.
- (4) The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- (5) If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit



Page: 46 of 78

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

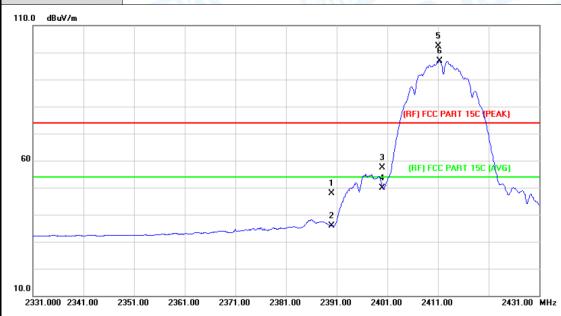
Please see the next page.



Page: 47 of 78

# (1) Radiation Test

EUT:	10.1 inch Quad core capacitive touch tablet	Model Name :	MGT101			
Temperature:	25 ℃	25 °C Relative Humidity: 55%				
Test Voltage:	AC 120V/60 Hz					
Ant. Pol.	Horizontal	7				
Test Mode:	TX B Mode 2412MHz					
Remark:	N/A					



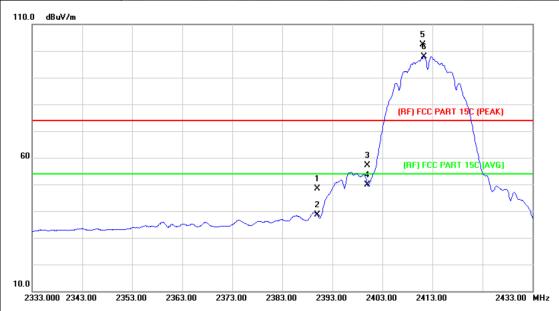
No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	O∨er	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	47.15	0.77	47.92	74.00	-26.08	peak
2		2390.000	35.13	0.77	35.90	54.00	-18.10	AVG
3		2400.000	56.45	0.81	57.26	74.00	-16.74	peak
4		2400.000	49.16	0.81	49.97	54.00	-4.03	AVG
5	Х	2411.100	101.64	0.86	102.50	Fundamenta	al Frequency	peak
6	*	2411.300	96.12	0.86	96.98	Fundamenta	I Frequency	AVG



Page: 48 of 78



EUT:	10.1 inch Quad core capacitive touch tablet	Model Name :	MGT101
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60 Hz		
Ant. Pol.	Vertical		THU
Test Mode:	TX B Mode 2412MHz		
Remark:	N/A		



No	. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	O∨er	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	47.56	0.77	48.33	74.00	-25.67	peak
2		2390.000	37.74	0.77	38.51	54.00	-15.49	AVG
3		2400.000	56.22	0.81	57.03	74.00	-16.97	peak
4		2400.000	48.95	0.81	49.76	54.00	-4.24	AVG
5	Х	2411.100	101.49	0.86	102.35	Fundamenta	I Frequency	peak
6	*	2411.300	97.08	0.86	97.94	Fundamenta	l Frequency	AVG



49 of 78 Page:

EUT:	10.1 inch Quad core capacitive touch tablet	Model Name :	MGT101				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60 Hz						
Ant. Pol.	Horizontal	WILL ST					
Test Mode:	TX B Mode 2462MHz	TX B Mode 2462MHz					
Domark:	NI/A	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					



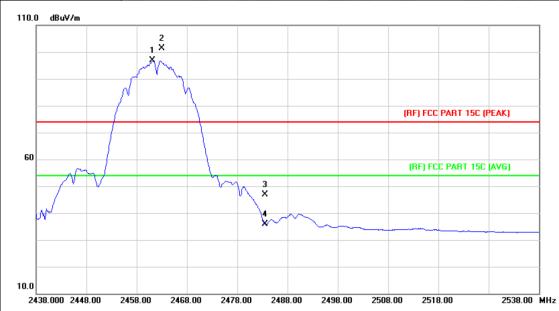
No	. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	O∨er	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	2462.700	94.42	1.08	95.50	Fundamenta	I Frequency	AVG
2	Х	2463.000	99.14	1.08	100.22	 Fundamenta	l Frequency	peak
3		2483.500	45.43	1.17	46.60	74.00	-27.40	peak
4		2483.500	34.03	1.17	35.20	54.00	-18.80	AVG



Page: 50 of 78



EUT:	10.1 inch Quad core capacitive touch tablet	Model Name :	MGT101
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60 Hz	The same of the sa	
Ant. Pol.	Vertical		THU:
Test Mode:	TX B Mode 2462MHz		
Remark:	N/A		



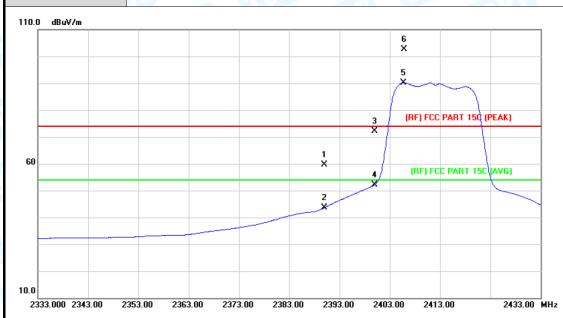
No	. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	O∨er	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	2461.200	95.75	1.07	96.82	Fundamenta	Frequency	AVG
2	Х	2463.000	100.36	1.08	101.44	Fundamental	Frequency	peak
3		2483.500	45.78	1.17	46.95	74.00	-27.05	peak
4		2483.500	34.82	1.17	35.99	54.00	-18.01	AVG



Page: 51 of 78

O TILL			
EUT:	10.1 inch Quad core capacitive touch tablet	Model Name :	MGT101
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60 Hz		
Ant. Pol.	Horizontal	CONTRACTOR OF THE PARTY OF THE	The state of the s
Test Mode:	TX G Mode 2412MHz	9	(1) (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	58.92	0.77	59.69	74.00	-14.31	peak
2		2390.000	42.89	0.77	43.66	54.00	-10.34	AVG
3		2400.000	71.31	0.81	72.12	74.00	-1.88	peak
4		2400.000	51.44	0.81	52.25	54.00	-1.75	AVG
5	*	2405.700	89.40	0.84	90.24	Fundamenta	I Frequency	AVG
6	Χ	2405.800	101.79	0.84	102.63	Fundamenta	l Frequency	peak



52 of 78 Page:



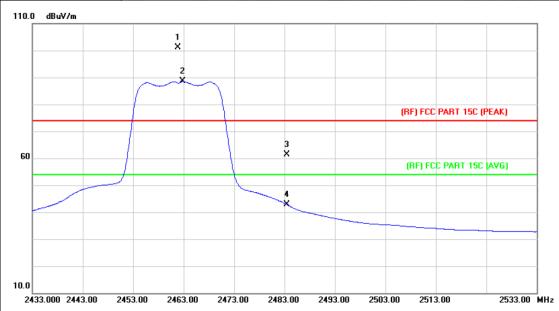
UT:						luad o ouch	ore tablet	Mo	odel	Nar	ne :			MGT101				
emp	eratur	e:	25	$^{\circ}\mathbb{C}$	N	W.		Re	lativ	е Н	umi	dity	:	55%				
est \	/oltage	<b>e</b> :	AC	12	0V/6	0 Hz	W.					N.	Y				a	
nt. F	Pol.		Ve	rtica	al	100	1 9		6	715						3///	طرا	
est l	Mode:		TX	GI	Mode	2412	2MHz	a	1	No.		and the	K		3			Í
Rema	ırk:		N/	Α			CAN						لاؤ			1		
110.0	dBuV/m													6				
														×				
													5 X					
											3 3	(RI	F) FCC	PART	15C (F	PEAK)		
									1 X							\		
60											4/	(I	RF) FC	C PAR	T 15C	(Avg)		
-									2 X									
-																		
F	<del>.</del> ,																_	
-																	_	
10.0	2.000 234	2.00	2252.0		2202.00	227	2.00	32.00	220		2402		241	2.00		242	2.00 M	
233	2.000 234	2.00	2352.0	JU	2362.00	231	2.00 23	32.00	2392	00	2402	2.00	2412	2.00		243	2.UU M	ИНZ
					Rea	ding	Corr	ect	Me	asu	re-							
No	o. Mk	. F	req.		Le	_	Fac			ent		Li	mit		Ov	er		
		١	ИHz		dB	uV	dB/r	n	d€	3uV/	m	dE	3uV/	m	dE	3	Dete	ecto
1		239	0.00	0	64	.06	0.7	7	6	4.8	3	7	4.0	0	-9.	17	ре	al
2		239	0.00	0	44	.59	0.7	7	4	5.3	6	5	4.0	0	-8.	64	Α١	VG
3		240	0.00	0	71	.75	0.8	1	7	2.5	6	7	4.0	0	-1.	44	ре	al
4		240	0.00	0	52	.47	0.8	1	5	3.2	8	5	4.0	0	-0.	72	А١	VG
5	*	241	1.20	0	90	.20	0.8	6	9	1.0	6	Fu	ndam	ental l	Frequ	ency	А١	VG
6	Х	241	3.40	0	102	2.74	0.8	6	10	03.6	30	Fur	ndam	ental l	Frequ	ency	рє	al



Page: 53 of 78



EUT:	10.1 inch Quad core capacitive touch tablet	Model Name :	MGT101
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60 Hz		
Ant. Pol.	Horizontal	COLUMN TO THE PARTY OF THE PART	CALL STATE
Test Mode:	TX G Mode 2462MHz		
Remark:	N/A		

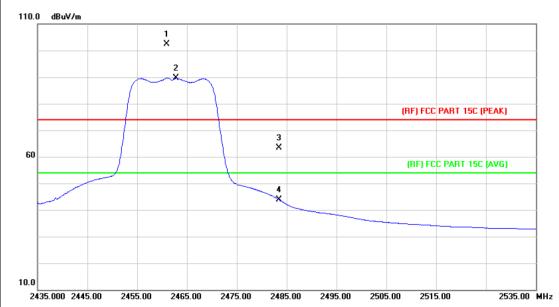


No	. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	O∨er	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	Χ	2461.900	100.12	1.07	101.19	Fundamenta	l Frequency	peak
2	*	2462.800	87.49	1.08	88.57	Fundamenta	I Frequency	AVG
3		2483.500	60.27	1.17	61.44	74.00	-12.56	peak
4		2483.500	41.67	1.17	42.84	54.00	-11.16	AVG



54 of 78 Page:

EUT:	10.1 inch Quad core capacitive touch tablet	Model Name :	MGT101
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60 Hz		
Ant. Pol.	Vertical		O CHURCH
Test Mode:	TX G Mode 2462MHz		
Remark:	N/A		

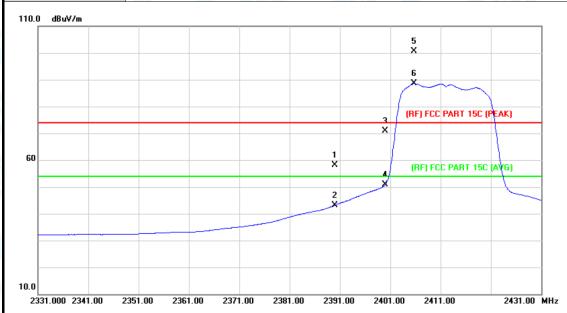


No	. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	O∨er	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1	Χ	2460.900	101.31	1.06	102.37	Fundamental	Frequency	peak
2	*	2462.800	88.49	1.08	89.57	Fundamental	Frequency	AVG
3		2483.500	62.28	1.17	63.45	74.00	-10.55	peak
4		2483.500	42.71	1.17	43.88	54.00	-10.12	AVG



Page:

EUT:	10.1 inch Quad core capacitive touch tablet	Model Name :	MGT101					
Temperature:	25 ℃	Relative Humidity:	55%					
Test Voltage:	AC 120V/60 Hz	AC 120V/60 Hz						
Ant. Pol.	Horizontal		THE PARTY OF THE P					
Test Mode:	TX N(HT20) Mode 2412MHz							
Remark:	N/A							



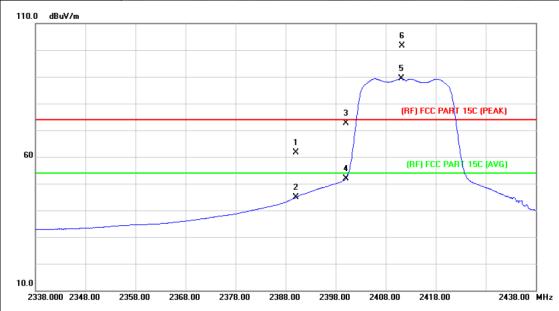
No.	. Mk.	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	57.44	0.77	58.21	74.00	-15.79	peak
2		2390.000	42.43	0.77	43.20	54.00	-10.80	AVG
3	,	2400.000	70.03	0.81	70.84	74.00	-3.16	peak
4		2400.000	50.06	0.81	50.87	54.00	-3.13	AVG
5	Χ	2405.700	99.75	0.84	100.59	Fundamental F	requency	peak
6	*	2405.700	87.75	0.84	88.59	Fundamental	Frequency	AVG



Page: 56 of 78



EUT:	10.1 inch Quad core capacitive touch tablet	Model Name :	MGT101					
Temperature:	25 ℃	Relative Humidity:	55%					
Test Voltage:	AC 120V/60 Hz	AC 120V/60 Hz						
Ant. Pol.	Vertical		THU .					
Test Mode:	TX N(HT20) Mode 2412MHz							
Remark:	N/A							



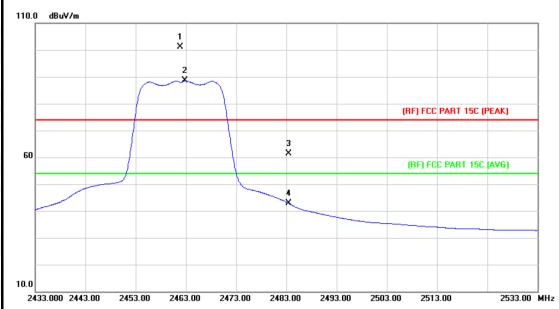
No.	Mk	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	60.79	0.77	61.56	74.00	-12.44	peak
2		2390.000	44.13	0.77	44.90	54.00	-9.10	AVG
3		2400.000	71.90	0.81	72.71	74.00	-1.29	peak
4		2400.000	51.01	0.81	51.82	54.00	-2.18	AVG
5	*	2411.100	88.51	0.86	89.37	Fundamental	Frequency	AVG
6	Х	2411.300	100.84	0.86	101.70	Fundamental	Frequency	peak



Page: 57 of 78



EUT:	10.1 inch Quad core capacitive touch tablet	Model Name :	MGT101
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60 Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX N(HT20) Mode 2462MHz		
Remark:	N/A		



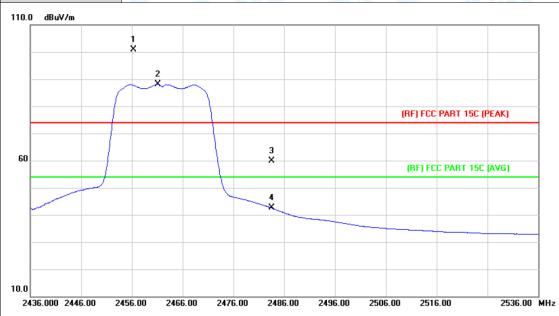
No	o. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1	Χ	2461.900	100.12	1.07	101.19	Fundamental	Frequency	peak
2	*	2462.800	87.49	1.08	88.57	Fundamental	Frequency	AVG
3		2483.500	60.27	1.17	61.44	74.00	-12.56	peak
4		2483.500	41.67	1.17	42.84	54.00	-11.16	AVG



Page: 58 of 78

	1	DW
	U	KY.
_	U	TO T

EUT:	10.1 inch Quad core capacitive touch tablet	Model Name :	MGT101	
Temperature:	25 ℃	Relative Humidity:	55%	
Test Voltage:	AC 120V/60 Hz			
Ant. Pol.	Vertical			
Test Mode:	TX N(HT20) Mode 2462MHz			
Remark:	N/A			



No	. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	O∨er	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	Χ	2456.300	99.83	1.05	100.88	Fundamental F	requency	peak
2	*	2461.100	87.00	1.06	88.06	Fundamental F	requency	AVG
3		2483.500	58.60	1.17	59.77	74.00	-14.23	peak
4		2483.500	41.43	1.17	42.60	54.00	-11.40	AVG

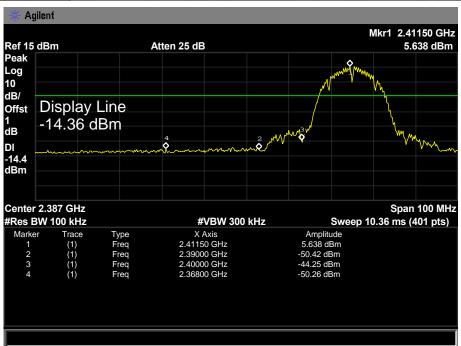


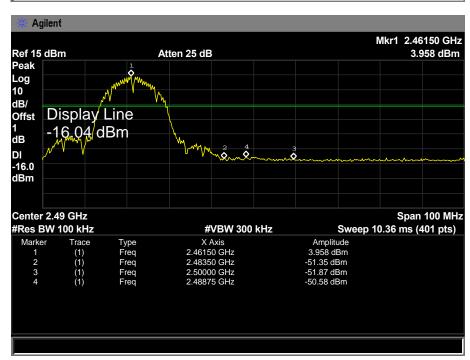


Page: 59 of 78

### (2) Conducted Test

EUT:	10.1 inch Quad core capacitive touch tablet	Model Name :	MGT101	
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			



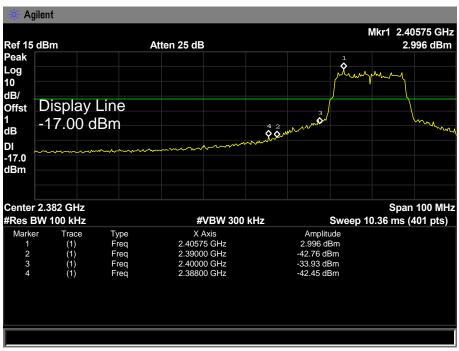


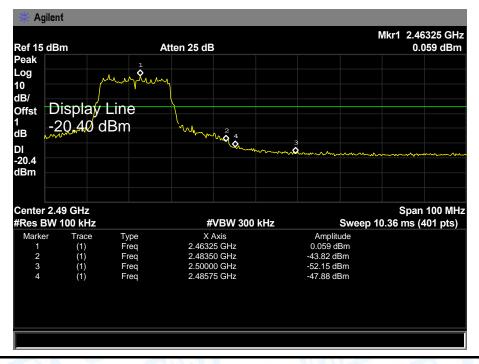




Page: 60 of 78

EUT:	10.1 inch Quad core capacitive touch tablet	Model Name :	MGT101	
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			



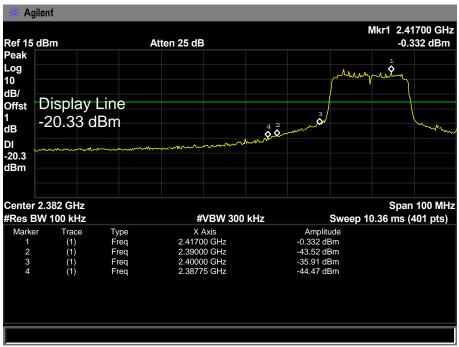


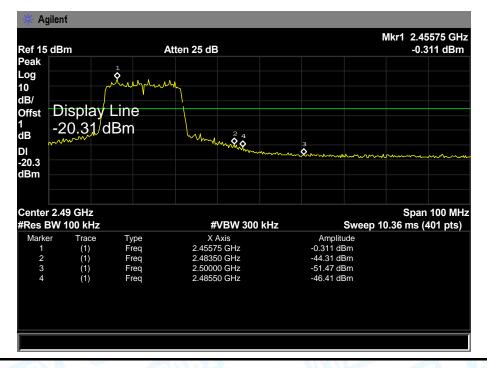




Page: 61 of 78

EUT:	10.1 inch Quad core capacitive touch tablet	Model Name :	MGT101	
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			







Page: 62 of 78

# 7. Bandwidth Test

### 7.1 Test Standard and Limit

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

7.1.2 Test Limit

FCC Part 15 Subpart C(15.247)/ RSS 247 Issue 1				
Test Item Limit Frequency Range(MH				
Bandwidth	>=500 KHz (6dB bandwidth)	2400~2483.5		

## 7.2 Test Setup



### 7.3 Test Procedure

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

## 7.4 EUT Operating Condition

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



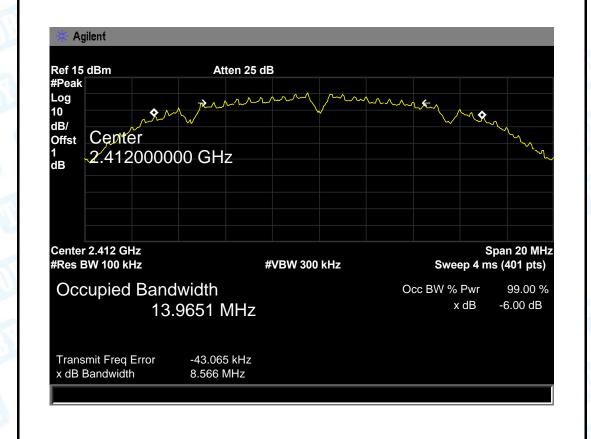
Page: 63 of 78

## 7.5 Test Data

EUT:	10.1 inch Quad core capacitive touch tablet	Model Name :	MGT101	
Temperature:	25 ℃	Relative Humidity:	55%	
Test Voltage:	AC 120V/60 Hz			
Test Mode:	TX 802.11B Mode		1:33	
Channel frequence	cy 6dB Bandwidth	99% Bandwidth	Limit	
(MHz)	(MHz)	(MHz)	(MHz)	
2412	8.566	13.9651		
2437	8.049	13.9531	>=0.5	
2462 9.027		13.9426		
002 44D Mode				

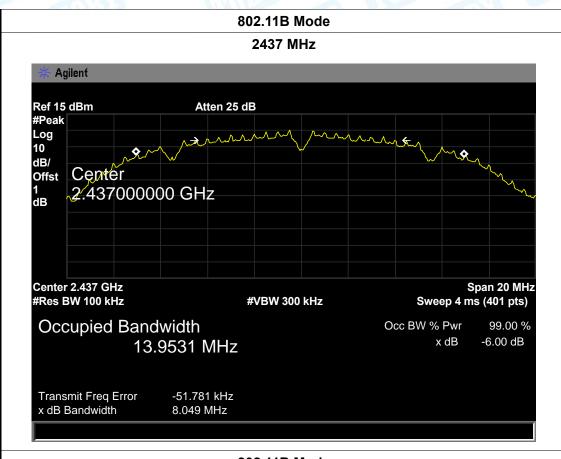
#### 802.11B Mode

#### 2412 MHz





Report No.: TB-FCC145361 Page: 64 of 78



### 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 **#VBW 300 kHz** Sweep 4 ms (401 pts) Occupied Bandwidth Occ BW % Pwr 99.00 % -6.00 dB x dB 13.9426 MHz Transmit Freq Error -39.437 kHz x dB Bandwidth 9.027 MHz



Page: 65 of 78

EUT:	10.1 inch Quad core capacitive touch tablet	Model Name :	MGT101
Temperature:	25 ℃	Relative Humidity:	55%
T ( )/- ((	A O 400\//00 LI=		CALLET NAME OF THE OWNER, THE OWN

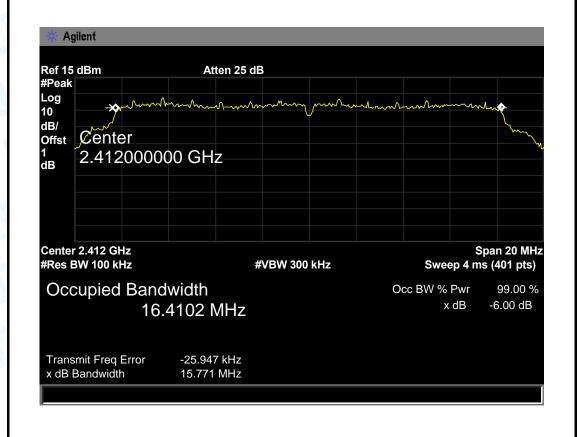
**Test Voltage:** AC 120V/60 Hz

**Test Mode:** TX 802.11G Mode

Channel frequency	6dB Bandwidth	99% Bandwidth	Limit
(MHz)	(MHz)	(MHz)	(MHz)
2412	15.711	16.4102	
2437	16.345	16.4098	>=0.5
2462	16.111	16.4173	

### 802.11G Mode

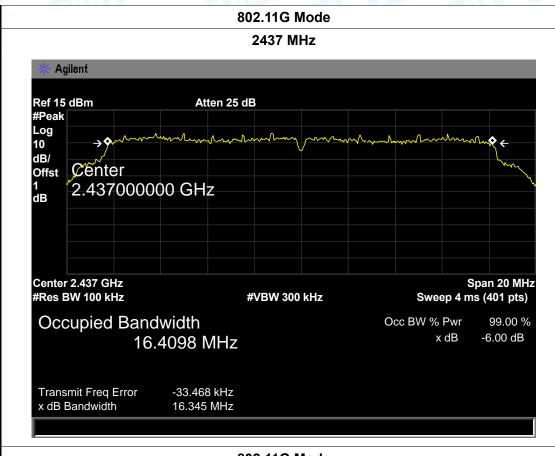
#### 2412 MHz







Page: 66 of 78



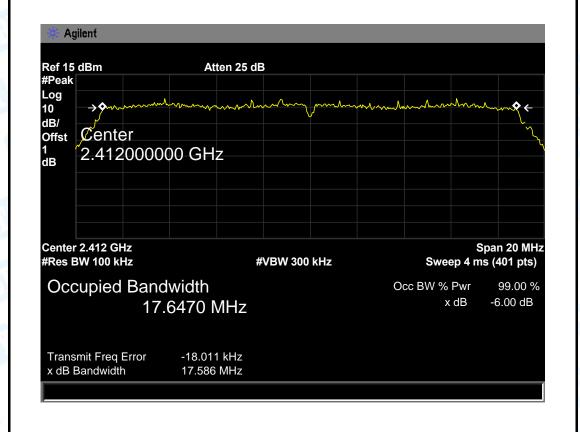
### 802.11G Mode 2462 MHz Agilent Ref 15 dBm Atten 25 dB #Peak Log 10 dB/ Center Offst 1 dB 2.462000000 GHz Center 2.462 GHz Span 20 MHz #Res BW 100 kHz **#VBW 300 kHz** Sweep 4 ms (401 pts) Occupied Bandwidth Occ BW % Pwr 99.00 % -6.00 dB x dB 16.4173 MHz Transmit Freq Error -26.759 kHz x dB Bandwidth 16.111 MHz

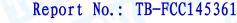


Page: 67 of 78

EUT:	10.1 inch Quad core capacitive touch tablet	Model Name :	MGT101	
Temperature:	25 ℃	Relative Humidity:	55%	
Test Voltage:	AC 120V/60 Hz			
Test Mode:	TX 802.11N(HT20) Mode			
Channel frequency 6dB Bandwidth		99% Bandwidth	Limit	
(MHz) (MHz)		(MHz)	(MHz)	
2412	17.586	17.6470		
2437	17.299	17.6577	>=0.5	
2462	17.583	17.6580		
802.11N(HT20) Mode				

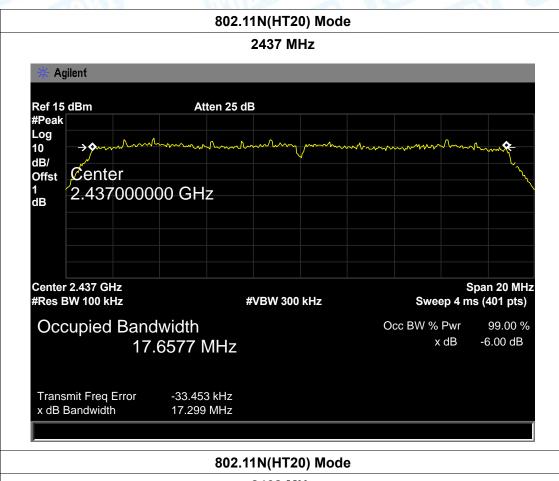
#### 2412 MHz





Page: 68 of 78





### 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 **#VBW 300 kHz** Sweep 4 ms (401 pts) Occupied Bandwidth Occ BW % Pwr 99.00 % -6.00 dB x dB 17.6580 MHz Transmit Freq Error -26.810 kHz x dB Bandwidth 17.583 MHz



Page: 69 of 78

# 8. Peak Output Power Test

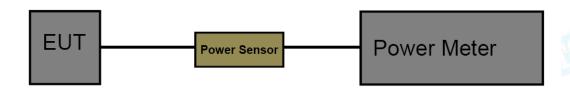
### 8.1 Test Standard and Limit

8.1.1 Test Standard FCC Part 15.247 (b)

8.1.2 Test Limit

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

# 8.2 Test Setup



### 8.3 Test Procedure

The measurement is according to section 9.1.2 of KDB 558074 D01 DTS Meas Guidance v03r03.

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

# 8.4 EUT Operating Condition

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



Page: 70 of 78

# 8.5 Test Data

EUT:	10.1 inch Quad core capacitive touch table	10.1 inch Quad core capacitive touch tablet Model Name :	
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60 Hz		
Mode	Channel frequency (MHz)	Test Result (dBm)	Limit (dBm)
	2412	16.74	
802.11b	2437	16.09	
	2462	15.31	
	2412	17.83	
802.11g	2437	17.63	30
	2462	16.28	
000 44	2412	16.72	
802.11n (HT20)	2437	16.06	
(11120)	2462	15.18	



Page: 71 of 78

# 9. Power Spectral Density Test

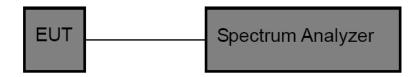
### 9.1 Test Standard and Limit

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(MH:			
Power Spectral Density	8dBm(in any 3 kHz)	2400~2483.5	

## 9.2 Test Setup



### 9.3 Test Procedure

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

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

# 9.4 EUT Operating Condition

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



2462

Report No.: TB-FCC145361

Page: 72 of 78

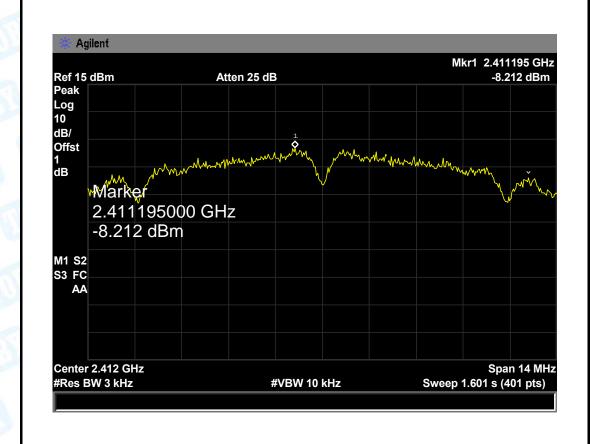
## 9.5 Test Data

EUT:	10.1 inch Quad core capacitive touch tablet	Model Name :	MGT101
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60 Hz	CALL TO SERVICE OF THE PARTY OF	
Total Manda	TV 000 44D Mada		4.4 (4.4)

rest wode.	1 \ 002.1	I D IVIOUE	
Channel Frequ	iency	Power Density	Limit (dBm)
(MHz)		(3 kHz/dBm)	
2412		-8.212	
2437		-8.032	8

## -10.62 **802.11B Mode**

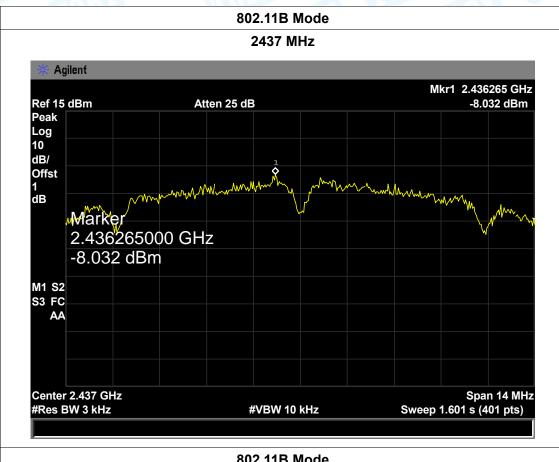
#### 2412 MHz







Page: 73 of 78



802.11B Mode 2462 MHz Agilent Mkr1 2.461090 GHz Ref 15 dBm Atten 25 dB -10.62 dBm Peak Log 10 dB/ Offst 1 dB \$ MM Marker 2.461090000 GHz -10.62 dBm M1 S2 S3 FC AA Center 2.462 GHz Span 14 MHz #Res BW 3 kHz #VBW 10 kHz Sweep 1.601 s (401 pts)



Page: 74 of 78

			CONTRACTOR OF THE PARTY OF THE
EUT:	10.1 inch Quad core capacitive touch tablet	Model Name :	MGT101
Temperature:	25 ℃	Relative Humidity:	55%
T ( )/-   (	A O 400\ (/00 LL	11112	

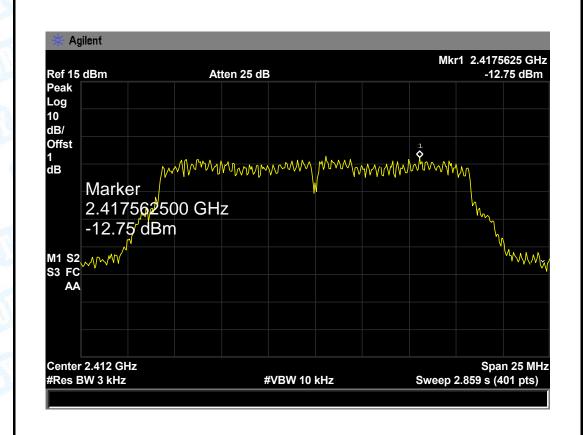
**Test Voltage:** AC 120V/60 Hz

TX 802.11G Mode **Test Mode:** 

Channel Frequency	Power Density	Limit (dBm)
(MHz)	(3 kHz/dBm)	
2412	-12.75	
2437	-12.99	8
2462	-14.31	

### 802.11G Mode

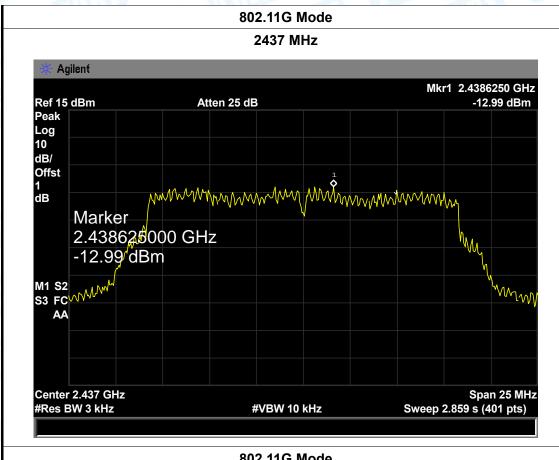
#### 2412 MHz

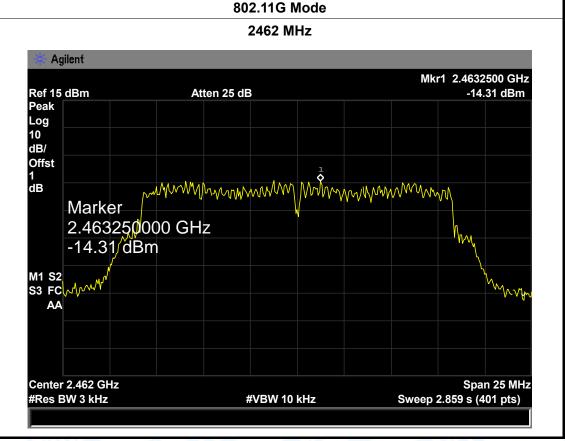






Page: 75 of 78







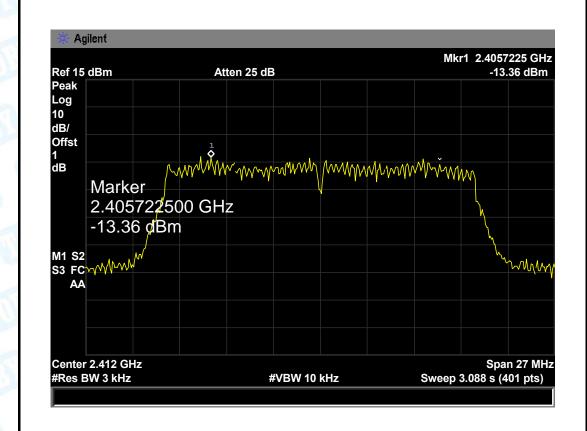
76 of 78 Page:



				The Market State of the State o
EUT:		Quad core touch tablet	Model Name :	MGT101
Temperature:	25 ℃	R. B. Carrier	Relative Humidity:	55%
Test Voltage:	AC 120V/60 Hz			
Test Mode:	TX 802.11	TX 802.11N(HT20) Mode		
Channel Frequency		Power Density		Limit (dBm)
(MHz) (3		(3 kHz	z/dBm)	
2412		-13	3.36	
2437	-14		.17	8
2462		-14	.74	
		802.11N(H	T20) Mode	
		0.440		



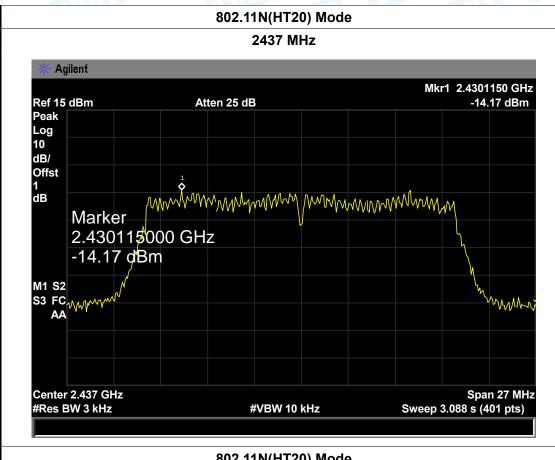
### 2412 MHz

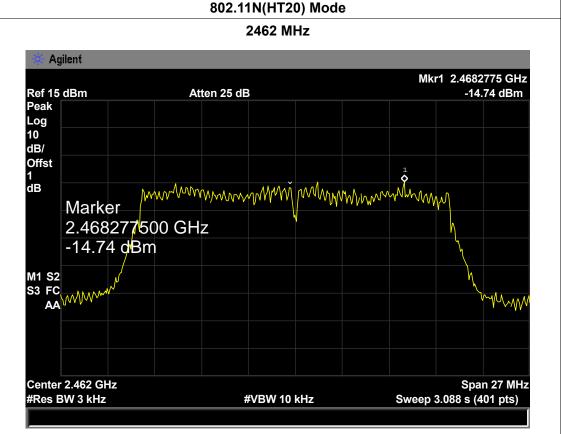






Page: 77 of 78







Page: 78 of 78

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

### Result

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

	Antenna Type
	▶ Permanent attached antenna
Marie	□ Unique connector antenna
	□ Professional installation antenna