

FCC PART 15C TEST REPORT FOR CERTIFICATION On Behalf of

BYD Precision Manufacture Co., Ltd

Tablet PC

Model Number: T10COT

FCC ID: ZW9DIV80039668

Prepared for: BYD Precision Manufacture Co., Ltd

Floor 1, A3 Workshop, Floor 3, A1 Workshop, Floor 4, A10 Workshop, No. 3001, Baohe Road, Baolong Industrial, Longgang, Shenzhen, P.R., China

Prepared By: Audix Technology (Shenzhen) Co., Ltd.

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Report Number : ACS-F11163

Date of Test : Jun.04~Aug.04, 2011

Date of Report : Aug.05, 2011



TABLE OF CONTENTS

scrip	otion	Page
CT.	JMMARY OF STANDARDS AND RESULTS	1
1.1	1	
	ENERAL INFORMATION	
2.1		
2.2		
2.3		
2.5	· · · · · · · · · · · · · · · · · · ·	
2.6	·	
	OWER LINE CONDUCTED EMISSION TEST	
3.1		
3.2	* *	
3.3	\mathcal{E}	
3.4	4. Configuration of EUT on Test	3-2
3.5	5. Operating Condition of EUT	3-2
3.6		
3.7		
\mathbf{R}	ADIATED EMISSION TEST	4-1
4.1	1. Test Equipment	4-1
4.2		
4.3		
4.4	\mathcal{C}	
4.5	1 &	
4.6 4.7		
	ONDUCTED SPURIOUS EMISSIONS	
5.1	1 1	
5.2 5.3		
	AND EDGE COMPLIANCE TEST	
6.1	1 1	
6.2 6.3		
6.4		
	B Bandwidth Test	
7.1 7.2	1 1	
7.2		
7.3		
	UTPUT POWER TEST	
8.1 8.2	A A	
8.3		
8.4		
	OWER SPECTRAL DENSITY TEST	



FCC ID:ZW9DIV80039668

AUDIX Technology (Shenzhen) Co., Ltd.

	9.1. Test Equipment	9-1
	9.2. Limit	9-1
	9.3. Test Procedure	
	9.4. Test Results	9-2
10.	ANTENNA REQUIREMENT	10-1
	10.1. STANDARD APPLICABLE	10-1
	10.2. ANTENNA CONNECTED CONSTRUCTION	10-1
11.	DEVIATION TO TEST SPECIFICATIONS	11-1
12.	PHOTOGRAPH OF TEST	12-1
	12.1. Photos of Power Line Conducted Emission Test	12-1
	12.2. Photos of Radiated Emission Test	
13.	PHOTOGRAPH OF EUT	13-1



TEST REPORT CERTIFICATION

Applicant : BYD Precision Manufacture Co., Ltd

Manufacturer : BYD Precision Manufacture Co., Ltd

EUT Description : Tablet PC

FCC ID : ZW9DIV80039668

(A) MODEL NO. : T10COT (B) SERIAL NO. : N/A

(C) POWER SUPPLY: AC 100~240V; 50/60Hz

(D) TEST VOLTAGE: DC 19V From Adapter Input AC 230V/50Hz

Tested for comply with:

FCC Rules and Regulations Part 15 Subpart C: 2008

Test procedure used: ANSI C63.10:2009

The device described above is tested by AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. to confirm comply with all the FCC Part 15 Subpart C requirements.

The test results are contained in this test report and AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. is assumed full responsibility for the accuracy and completeness of these tests. This report contains data that are not covered by the NVLAP accreditation. Also, this report shows that the Equipment Under Test (EUT) is to be technically compliant with the FCC and IC requirements.

This Report is made under FCC Part 2.1075. No modifications were required during testing to bring this product into compliance.

This report applies to above tested sample only. This report shall not be reproduced in part without written approval of AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government.

Date of Test : _	Jun.04~Aug.04,2011	Report of date:	Aug.05, 2011
Prepared by:	Comy He	Reviewer by :	W/m
	Cerry He / Assistant		Sunny Lu / Supervisor
		AUDIX [®] 信華科技(深圳 Audix Technolo EMC 部門 報	ogy (Shenzhen) Co., Ltd.
Approved & Au	thorized Signer:	Stamp only for EMC	8/,
789		Ken Lu / N	Manager



1. SUMMARY OF STANDARDS AND RESULTS

1.1.Description of Standards and Results

The EUT have been tested according to the applicable standards as referenced below.

EMISSION			
Description of Test Item	Standard	Results	
Power Line Conducted Emission	FCC Part 15: 15.207 ANSI C63.10: 2009	PASS	
Radiated Emission	FCC Part 15: 15.209 ANSI C63.10: 2009	PASS	
Band Edge Compliance	FCC Part 15: 15.247 ANSI C63.10: 2009	PASS	
Conducted spurious emissions	FCC Part 15: 15.247 ANSI C63.10: 2009	PASS	
6dB Bandwidth	FCC Part 15: 15.247 ANSI C63.10: 2009	PASS	
Peak Output Power	FCC Part 15: 15.247 ANSI C63.10: 2009	PASS	
Power Spectral Density	FCC Part 15: 15.247 ANSI C63.10: 2009	PASS	
Antenna requirement	FCC Part 15: 15.203	PASS	



2. GENERAL INFORMATION

2.1.Description of Device (EUT)

Product Name : Tablet PC Model Number : T10COT

FCC ID : ZW9DIV80039668

Operation Frequency : IEEE 802.11b: 2412MHz—2462MHz

IEEE 802.11g: 2412MHz—2462MHz

IEEE 802.11n HT20: 2412MHz—2462MHz IEEE 802.11n HT40: 2422MHz—2452MHz

Channel Number : IEEE 802.11b/g, IEEE 802.11n HT20: 11 Channels

IEEE 802.11n HT40: 7 Channels

Modulation Technology: IEEE 802.11b: DSSS(CCK,DQPSK,DBPSK)

IEEE 802.11g: OFDM(64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n HT20,HT40: OFDM (64QAM, 16QAM,

QPSK,BPSK)

Antenna Assembly

Gain

IFA, 2.0dBi PK gain

Applicant : BYD Precision Manufacture Co., Ltd

Floor 1, A3 Workshop, Floor 3, A1 Workshop, Floor 4,

A10 Workshop, No. 3001, Baohe Road, Baolong Industrial, Longgang, Shenzhen, P.R., China

Manufacturer : BYD Precision Manufacture Co., Ltd

Floor 1, A3 Workshop, Floor 3, A1 Workshop, Floor 4,

A10 Workshop, No. 3001, Baohe Road, Baolong Industrial, Longgang, Shenzhen, P.R., China

Power Adapter : Manufacturer: DARFON Electronics Corp., M/N: BA01-J

Input:100-240V~1A 50-60Hz, Output:19V, 2.1A Cable: Shielded, Undetachable, 2.7m(with one core)

Power Cord : Unshielded, Detachable, 1.8 (3pins)

Date of Test : Jun.04~Aug.04, 2011

Date of Receipt : May.18, 2011

Sample Type : Prototype production



2.1.1.Specification information of EUT

Item Part Number 1		Detail	Supplier
SSD	SDSA4DH-032G-YYYY	SSD	SANDISK
22D	SSE032GTMC0-S50	SSD	PHISON
Antonno	10610114-00	3G Antenna	BYD
Antenna	4003632	WIFI Antenna	Ethertronics
	M101NWT2	LCD	IVO
	B101AW02V0	LCD	AUO
Module	RTL8188CUS- BC8_WBX	Wifi+BT	CastleNet
	10515265-00	Lion-battery	BYD2
Adapter	BA01-J0T	Adapter	Darfon
Thermal Module	D101-0100-A0	Thermal Module	DWPH
	C2020-0621	CMOS Battery	BYD
CMOS Battery	CR2016W4.0VJ1KY	CMOS Battery	Lisun
j	CR2016-SUZHOU(JLF)-B	CMOS Battery	LONG TRUMP INTERNATIONAL CORP
	E301AC501-N221	Power supply cord	TONGYUAN
Down over let and	300+705-1.1MBK	Power supply cord	LEONI
Power supply cord	U303C501-N221	Power supply cord	TONGYUAN
	LAP-31+705-1.1MBK	Power supply cord	LEONI



2.1.2.Test Mode of PC Configuration

Item Part Number		Detail	Supplier
SSD	SDSA4DH-032G-YYYY	SSD	SANDISK
33D	SSE032GTMC0-S50	SSD	PHISON
Antonno	10610114-00	3G Antenna	BYD
Antenna	4003632	WIFI Antenna	Ethertronics
	M101NWT2	LCD	IVO
	B101AW02V0	LCD	AUO
Module	RTL8188CUS- BC8_WBX	Wifi+BT	CastleNet
	10515265-00	Lion-battery	BYD2
Adapter	BA01-J0T	Adapter	Darfon
Thermal Module	D101-0100-A0	Thermal Module	DWPH
	C2020-0621	CMOS Battery	BYD
CMOS Battery	CR2016W4.0VJ1KY	CMOS Battery	Lisun
j	CR2016-SUZHOU(JLF)-B	CMOS Battery	LONG TRUMP INTERNATIONAL CORP
	E301AC501-N221	Power supply cord	TONGYUAN
Down overly as d	300+705-1.1MBK	Power supply cord	LEONI
Power supply cord	U303C501-N221	Power supply cord	TONGYUAN
	LAP-31+705-1.1MBK	Power supply cord	LEONI



2.2.Test Information

A special test software was used to control EUT work in Continuous TX mode(100% duty cycle), and select test channel, wireless mode and data rate.

Tested mode, channel, and data rate information				
Mode	data rate (Mpbs)(see Note)	Channel	Frequency (MHz)	
IEEE 802.11b	1	Low:CH1	2412	
	1	Middle: CH6	2437	
	1	High: CH11	2462	
IEEE 802.11g	6	Low:CH1	2412	
	6	Middle: CH6	2437	
	6	High: CH11	2462	
IEEE 802.11n HT20	6.5	Low:CH1	2412	
	6.5	Middle: CH6	2437	
	6.5	High: CH11	2462	
IEEE 802.11n HT40	13.5	Low:CH1	2422	
	13.5	Middle: CH4	2437	
	13.5	High: CH7	2452	

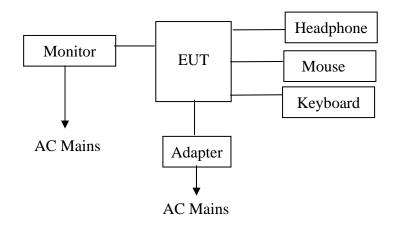
Note: According exploratory test, EUT will have maximum output power in those data rate, so those data rate were used for all test.



2.3.Tested Supporting System Details

No.	Description	ACS No.	Manufacturer	Model	Serial Number	Approved type
1.		ACS-EMC-LM04R	DELL		CN-009759-71 618-6AP-ACP P	
		Power Cord: Unshield HDMI Cable: Shielde	· ·		ores)	
2.	USB Mouse	ACS-EMC-M04R	DELL	M056UO	512024282	☑ FCC DoC ☑BSMI ID: R41108
		Power Cord: shielded, Undetachable, 1.8m				
3.		ACS-EMC- K04R	DELL		CN-ODJ313-7 1616-6BB-049 J	
		Power Cord: shielded,	, Undetachable,	2.0m		
4.	Headphone	ACS-EMC-EP01	OVANN	OV880V	N/A	□FCC ID □BSMI ID
	пеационе	Cable: Shielded, Unde	etachabled, 4.0m	1		

2.4. Block diagram of connection between the EUT and simulators



(EUT: Tablet PC)



2.5. Test Facility

Site Description

Name of Firm : Audix Technology (Shenzhen) Co., Ltd.

No. 6, Ke Feng Rd., 52 Block, Shenzhen Science & Industrial Park, Nantou, Shenzhen,

Guangdong, China

3m Anechoic Chamber : Certificated by FCC, USA

Registration Number: 90454 Valid Date: Mar.31, 2012

3m & 10m Anechoic Chamber : Certificated by FCC, USA

Registration Number: 794232 Valid Date: Dec.30, 2012

EMC Lab. : Certificated by Industry Canada

Registration Number: IC 5183A-1

Valid Date: Jun.13, 2014

: Certificated by DAkkS, Germany Registration No: D-PL-12151-01-01

Valid Date: Feb.01, 2014

Accredited by NVLAP, USA NVLAP Code: 200372-0 Valid Date: Mar.31, 2012

2.6. Measurement Uncertainty (95% confidence levels, k=2)

Test Item	Uncertainty
Uncertainty for Conduction emission test in No. 1 Conduction	3.2 dB (150KHz to 30MHz)
	3.6 dB(30~200MHz, Polarize: H)
Uncertainty for Radiation Emission test	3.7 dB(30~200MHz, Polarize: V)
in 3m chamber	4.0 dB(200M~1GHz, Polarize: H)
	3.7 dB(200M~1GHz, Polarize: V)
Uncertainty for Radiation Emission test in	3.1dB (Distance: 3m Polarize: V)
3m chamber (1GHz-18GHz)	3.7 dB (Distance: 3m Polarize: H)
Uncertainty for Radiated Spurious Emission test in RF chamber	3.57 dB
Uncertainty for Conduction Spurious emission test	2.00 dB
Uncertainty for Output power test	0.73 dB
Uncertainty for Power density test	2.00 dB
Uncertainty for Frequency range test	$7x10^{-8}$
Uncertainty for Bandwidth test	83 kHz
Uncertainty for DC power test	0.038 %
Uncertainty for test site temperature and	0.6℃
humidity	3%

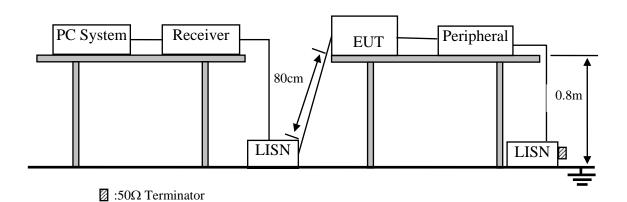


3. POWER LINE CONDUCTED EMISSION TEST

3.1.Test Equipments

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Test Receiver	Rohde & Schwarz	ESHS10	838693/001	Nov.05, 10	1 Year
2.	L.I.S.N.#1	Rohde & Schwarz	ESH2-Z5	834066/011	Nov.05, 10	1 Year
3.	L.I.S.N.#3	Kyoritsu	KNW-242C	8-1920-1	May 08, 11	1 Year
4.	Terminator	Hubersuhner	50Ω	No. 1	May 08, 11	1 Year
5.	RF Cable	Fujikura	3D-2W	LISN Cable 1#	May 08, 11	1Year
6.	Coaxial Switch	Anritsu	MP59B	M55367	May 08, 11	1 Year
7.	Passive Probe	Rohde & Schwarz	ESH2-Z3	299.7810.52	May 08, 11	1 Year
8.	Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100341	May 08, 11	1 Year

3.2.Block Diagram of Test Setup



3.3. Power Line Conducted Emission Test Limits

	Maximum RF Line Voltage		
Frequency	Quasi-Peak Level	Average Level	
	$dB(\mu V)$	$dB(\mu V)$	
150kHz ~ 500kHz	66 ~ 56*	56 ~ 46*	
500kHz ~ 5MHz	56	46	
5MHz ~ 30MHz	60	50	

Notes: 1. * Decreasing linearly with logarithm of frequency.

2. The lower limit shall apply at the transition frequencies.



3.4. Configuration of EUT on Test

The following equipment are installed on Power Line Conducted Emission Test to meet the commission requirement and operating regulations in a manner which tends to maximize its emission characteristics in a normal application.

3.4.1. Tablet PC (EUT)

Model Number : T10COT Serial Number : N/A

3.4.2. Support Equipment: As Tested Supporting System Details, in Section 2.3.

3.5. Operating Condition of EUT

EUT Exercise Program and Condition			
Operating System	Windows 7		
Test Program	Running Brunin Test V5.3		
Graphic Controller	Display scrolling "H" pattern with respective resolution		
IDE and/or SATA Controller	Read/Write operation to hard disk Read/Write operation to DVD Writable/CD-RW Drive		
Audio Controller	Play 1kHz audio signal		
LAN & Modem Controller	Data transfer to client		
USB Ports	Read/Write operation to USB Mouse/ USB Keyboard		
Card Reader	Read/Write operation to PC card		

3.6. Test Procedure

The EUT was placed on a non-metallic table, 80cm above the ground plane. The EUT Power Via PC connected to the power mains through a line impedance stabilization network (L.I.S.N. 1#). The other peripheral devices power cord connected to the power mains through a line impedance stabilization network (L.I.S.N.#3). This provides a 50 ohm coupling impedance for the EUT (Please refer the block diagram of the test setup and photographs). The AC line are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to ANSI C63.10: 2009 on Conducted Emission Test.

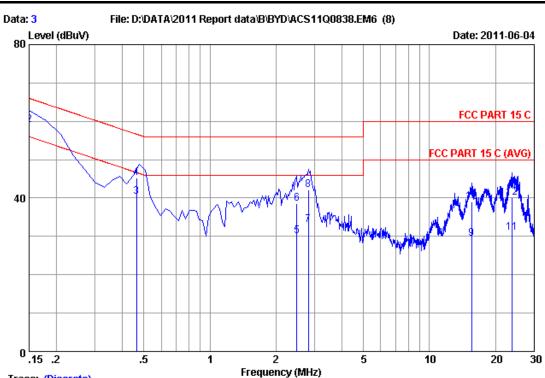
The bandwidth of test receiver (R & S ESHS10) is set at 10kHz.

The frequency range from 150kHz to 30MHz is checked.

3.7. Power Line Conducted Emission Test Results

PASS. (All emissions not reported below are too low against the prescribed limits.)

FCC ID:ZW9DIV80039668 page 3-3



Trace: (Discrete)

Site no :1#conduction Data No :3

Dis./Ant. :** 2011 ESH2-Z5 LINE

Limit :FCC PART 15 C

Env./Ins. :29.5*C/55% Engineer :Leo_Li

EUT :Tablet PC

Power Rating :DC 19V From Adapter Input AC 120V/60Hz

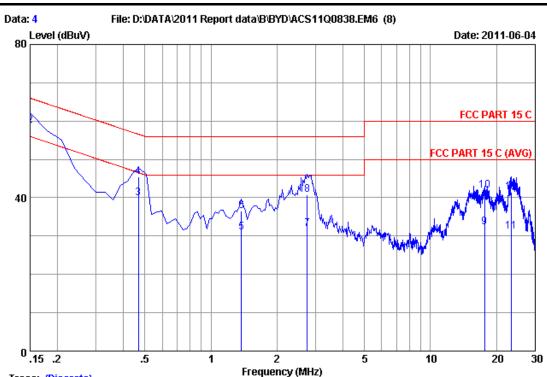
Test Mode :Tx Mode(WiFi) M/N:T10COT

		LISN	Cable		Emissio	n		
No	Freq	Factor	Loss	Reading	Level	Limits	Margin	Remark
	(MHz)	(dB)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dB)	
1	0.15000	0.17	9.88	35.50	45.55	56.00	10.45	Average
2	0.15000	0.17	9.88	49.00	59.05	66.00	6.95	QP
3	0.46400	0.19	9.88	30.20	40.27	46.62	6.35	Average
4	0.46400	0.19	9.88	35.20	45.27	56.62	11.35	QP
5	2.482	0.32	9.92	19.80	30.04	46.00	15.96	Average
6	2.482	0.32	9.92	28.30	38.54	56.00	17.46	QP
7	2.804	0.33	9.93	22.80	33.06	46.00	12.94	Average
8	2.804	0.33	9.93	31.80	42.06	56.00	13.94	QP
9	15.553	0.97	10.03	18.31	29.31	50.00	20.69	Average
10	15.553	0.97	10.03	27.96	38.96	60.00	21.04	QP
11	23.859	1.18	10.11	19.71	31.00	50.00	19.00	Average
12	23.859	1.18	10.11	28.91	40.20	60.00	19.80	QP

Remarks: 1.Emission Level=LISN Factor+Cable Loss(Include 10dB pulse limit) +Reading.

2.If the average limit is met when useing a quasi-peak detector. the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.

FCC ID:ZW9DIV80039668 page 3-4



Trace: (Discrete)

Site no :1#conduction Data No :4

Dis./Ant. :** 2011 ESH2-Z5 NEUTRAL

Limit :FCC PART 15 C

Env./Ins. :29.5*C/55% Engineer :Leo_Li

EUT :Tablet PC

Power Rating :DC 19V From Adapter Input AC 120V/60Hz

Test Mode :Tx Mode(WiFi)

M/N:T10COT

		LISN	Cable		Emissio	n		
No	Freq	Factor	Loss	Reading	Level	Limits	Margin	Remark
	(MHz)	(dB)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dB)	
1	0.15000	0.21	9.88	25.70	35.79	56.00	20.21	Average
2	0.15000	0.21	9.88	48.70	58.79	66.00	7.21	QP
3	0.46690	0.22	9.88	29.80	39.90	46.57	6.67	Average
4	0.46690	0.22	9.88	35.44	45.54	56.57	11.03	QP
5	1.374	0.25	9.89	20.81	30.95	46.00	15.05	Average
6	1.374	0.25	9.89	26.45	36.59	56.00	19.41	QP
7	2.740	0.29	9.93	21.69	31.91	46.00	14.09	Average
8	2.740	0.29	9.93	30.59	40.81	56.00	15.19	QP
9	17.612	0.69	10.06	21.60	32.35	50.00	17.65	Average
10	17.612	0.69	10.06	31.23	41.98	60.00	18.02	QP
11	23.254	0.85	10.11	20.30	31.26	50.00	18.74	Average
12	23.254	0.85	10.11	30.39	41.35	60.00	18.65	QP

Remarks: 1.Emission Level=LISN Factor+Cable Loss(Include 10dB pulse limit) +Reading.

2.If the average limit is met when useing a quasi-peak detector. the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.



4. RADIATED EMISSION TEST

4.1.Test Equipment

Frequency rang: 30~1000MHz

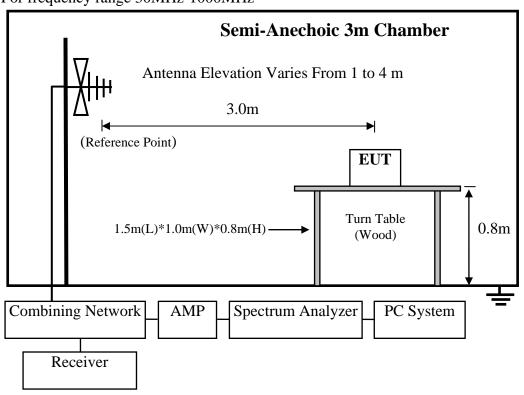
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	3#Chamber	AUDIX	N/A	N/A	Dec.06,10	1 Year
2	EMI Spectrum	EMI Spectrum Agilent		MY41440292	May.08, 11	1 Year
3	3 Test Receiver Rohde & Schwarz		ESVS10	834468/011	May.08, 11	1 Year
4	Amplifier	HP	8447D	2648A04738	May.08, 11	1 Year
5	Bilog Antenna	Schaffner	CBL6111C	2598	Oct. 26, 10	1 Year
6	RF Cable	MIYAZAKI	8D-FB	3# Chamber No.1	May.08, 11	1 Year
7	Coaxial Switch	Anritsu	MP59B	M73989	May.08, 11	1 Year

Frequency rang: above 1GHz~18GHz

Item	Equipment	Manufacturer Model No.		Serial No.	Last Cal.	Cal. Interval
1	Spectrum Analyzer	Agilent	E4407B	MY41440292	May.08, 11	1 Year
2	2 Horn Antenna EM		3115	9607-4877	May.25, 11	1.5 Year
3	Amplifier	Agilent	8449B	3008A00863	May.08, 11	1 Year
4	RF Cable	Hubersuhner	SUCOFLEX102	28622/2	May.08, 11	1 Year
5	RF Cable	Hubersuhner	SUCOFLEX102	29091/2	May.08, 11	1 Year

4.2.Block Diagram of Test Setup

For frequency range 30MHz-1000MHz

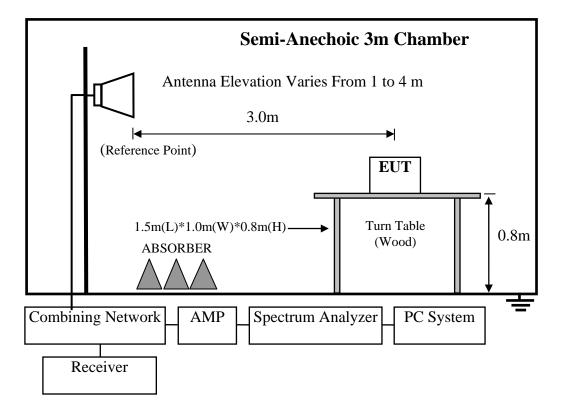




FCC ID:ZW9DIV80039668

page 4-2

For frequency range above 1GHz~18GHz



4.3. Radiated Emission Limit

4.3.1.15.209 limits

FREQUENCY	DISTANCE	FIELD STRENGTHS LIMIT			
MHz	Meters	μV/m	$dB(\mu V)/m$		
30 ~ 88	3	100	40.0		
88 ~ 216	3	150	43.5		
216 ~ 960	3	200	46.0		
960 ~ 1000	3	500	54.0		
Above 1000	3	74.0 dB(μV)/m (Peak) 54.0 dB(μV)/m (Average)			

Remark : (1) Emission level $dB\mu V = 20 \log Emission level \mu V/m$

- (2) The smaller limit shall apply at the cross point between two frequency bands.
- (3) Distance is the distance in meters between the measuring instrument, antenna and the closest point of any part of the device or system.



4.3.2.15.205 Restricted bands of operation

MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
¹ 0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.52525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2690 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	(²)

All the emissions appearing within 15.205 restricted frequency bands shall not exceed the limits shown in 15.209, all the other emissions shall be at least 20dB below the fundamental emissions, or comply with 15.209 limits.

4.4.EUT Configuration on Test

The configurations of EUT are listed in Section 3.5.

4.5. Operating Condition of EUT

Same as Conducted Emission test that is listed in Section 3.6. except the test set up replaced by Section 4.2.

4.6.Test Procedure

EUT and its simulators are placed on a turn table, which is 0.8 meter high above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. Power on the EUT and let it working in test mode, then test it. EUT is set 3 meters away from the receiving antenna, which is mounted on a antenna tower. The antenna can be moved up and down between 1 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated bilog antenna) is used as receiving antenna. Both horizontal and vertical polarization of the antenna are set on test.

The bandwidth of the EMI test receiver (R&S ESVS10) is set at 120kHz for frequency range from 30MHz to 1000 MHz.

The bandwidth of the Spectrum's VBW is set at 3MHz and RBW is set at 1MHz for peak emissions measurement above 1GHz and 1MHz RBW, 10Hz VBW for average emissions measure above 1GHz

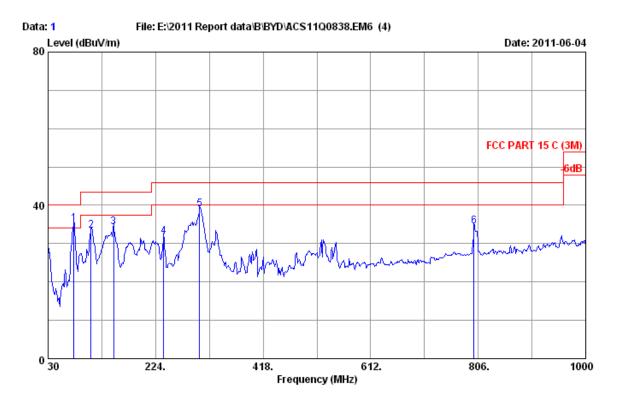
The frequency range from 30MHz to 10th harmonic (25GHz) are checked. and no any emissions were found from 18GHz to 25 GHz, So the radiated emissions from 18GHz to 25GHz were not record.



4.7.Radiated Emission Test Results		4-4
PASS.		
All the emissions from 30MHz to 25 GHz were comply with 15.209 limits.		
Note: For emissions above 1GHz, if peak level comply with average limit, then t level is deemed to comply with average limit.	he ave	rage







Site no. : 3m Chamber Data no. : 1

Dis. / Ant. : 3m 2010 CBL6111C Ant. pol. : HORIZONTAL

Limit : FCC PART 15 C (3M)

Env. / Ins. : 24*C/56% Engineer : Leo-Li

EUT : Tablet PC M/N:T10COT

Power rating : DC 19V From Adapter input AC 120V/60Hz

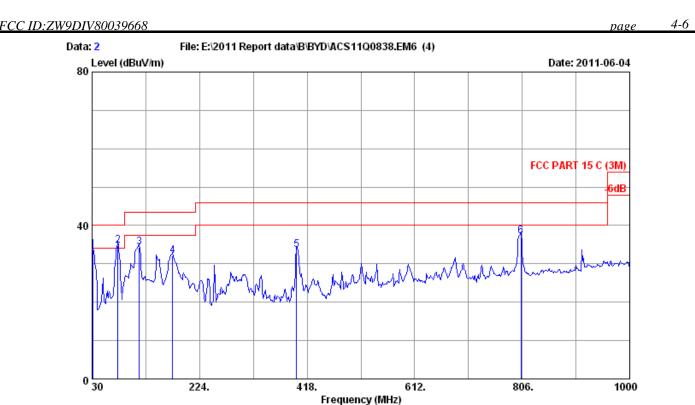
Test Mode : Tx Mode(WiFi)

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark	
1	76.560	7.47	0.97	26.66	35.10	40.00	4.90	QP	
2	107.600	11.20	1.12	21.10	33.42	43.50	10.08	QP	
3	148.340	11.72	1.14	21.52	34.38	43.50	9.12	QP	
4	238.550	11.70	2.07	18.04	31.81	46.00	14.19	QP	
5	303.540	13.81	2.50	22.58	38.89	46.00	7.11	QP	
6	798.240	22.02	4.89	7.61	34.52	46.00	11.48	QP	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.

2. The emission levels that are 20dB below the official

limit are not reported.



Site no. : 3m Chamber Data no. : 2

Dis. / Ant. : 3m 2010 CBL6111C Ant. pol. : VERTICAL

Limit : FCC PART 15 C (3M)

Env. / Ins. : 24*C/56% Engineer : Leo-Li

EUT : Tablet PC M/N:T10COT

Power rating : DC 19V From Adapter input AC 120V/60Hz

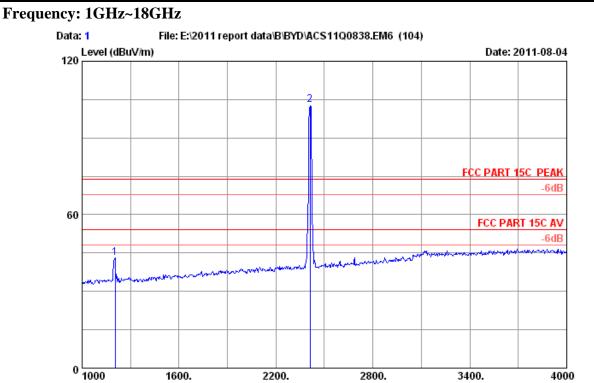
Test Mode : Tx Mode(WiFi)

_	No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark	
	1	31.940	18.88	0.63	14.09	33.60	40.00	6.40	QP	
	2	76.560	7.47	0.97	26.40	34.84	40.00	5.16	QP	
	3	115.360	11.70	1.13	21.57	34.40	43.50	9.10	QP	
	4	175.500	9.65	1.44	20.90	31.99	43.50	11.51	QP	
	5	398.600	16.39	2.91	14.32	33.62	46.00	12.38	QP	
	6	804.060	22.00	4.91	10.38	37.29	46.00	8.71	QP	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.

2. The emission levels that are 20dB below the official limit are not reported.

FCC ID:ZW9DIV80039668 4-7 page



Dis. / Ant. : 3m Chamber Data no. : 1

2011 3115 4580 Ant. pol. : HORIZONTAL

Frequency (MHz)

: FCC PART 15C PEAK Limit

Env. / Ins. : 23*C/54% Engineer : Leo-Li

: Tablet PC

: DC 19V From Adapter input AC 120V/60Hz Power

: IEEE802.11b CH1 2412MHz Tx Test mode

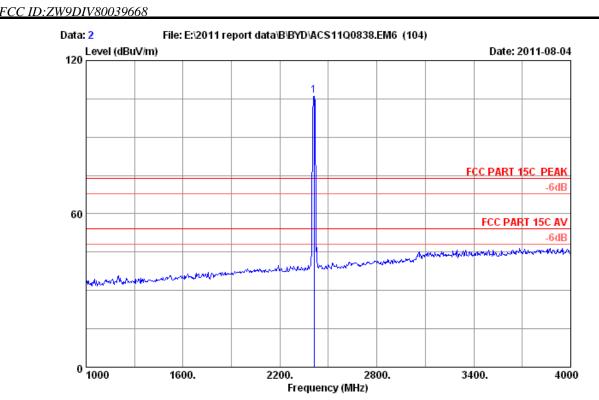
M/N : T10COT

Freq. Factor	loss	_		Limits Margin (dBuV/m) (dB)	Remark
1204.000 24.42 2412.000 27.98		 	43.18 102.84	74.00 30.82 74.00 -28.84	Peak Peak

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.

4-8

page



Site no. : 3m Chamber Data no. : 2

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL

Limit : FCC PART 15C PEAK

Env. / Ins. : 23 *C/54% Engineer : Leo-Li

EUT : Tablet PC

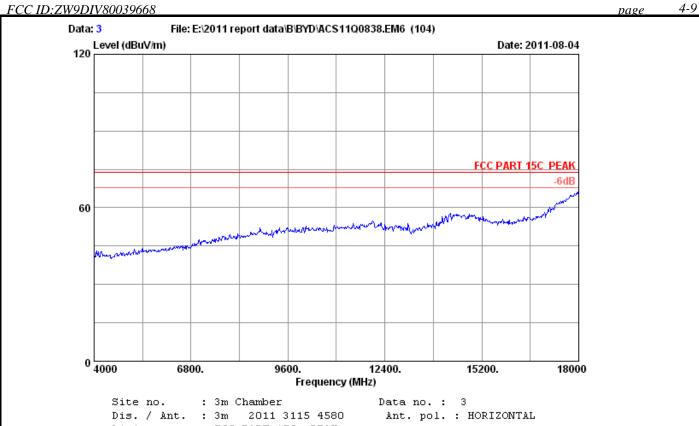
Power : DC 19V From Adapter input AC 120V/60Hz

Test mode : IEEE802.11b CH1 2412MHz Tx

M/N : T10COT

	Ant.	Cable	Amp.		Emission			
Freq.	Factor	loss	Factor	Reading	Level	Limits Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m) (dB)		
2412.000	27.98	6.78	34.44	105.96	106.28	74.00 -32.28	Peak	

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.



Limit : FCC PART 15C PEAK

Env. / Ins. : 23*C/54% Engineer : Leo-Li

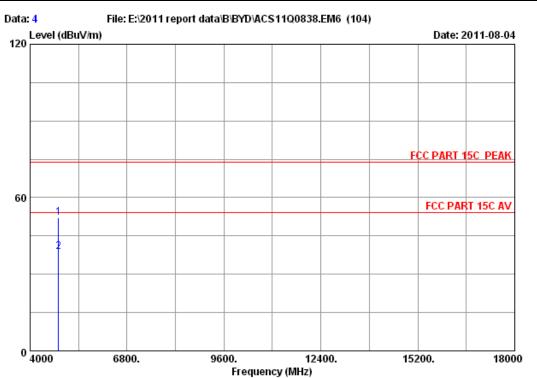
EUT : Tablet PC

Power : DC 19V From Adapter input AC 120V/60Hz

Test mode : IEEE802.11b CH1 2412MHz Tx

M/N : T10COT





Site no. : 3m Chamber Data no. : 4

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL

Limit : FCC PART 15C PEAK

Env. / Ins. : 23*C/54% Engineer : Leo-Li

EUT : Tablet PC

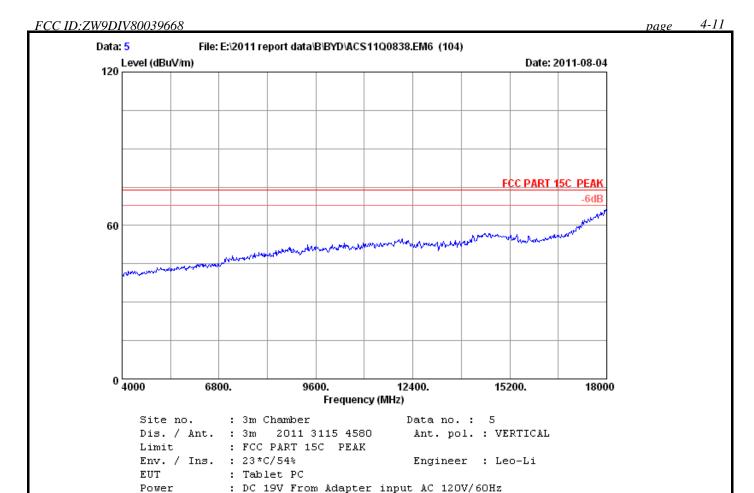
Power : DC 19V From Adapter input AC 120V/60Hz

Test mode : IEEE802.11b CH1 2412MHz Tx

M/N : T10COT

		Ant.	Cable	Amp.		Emission			
	-				_	Level (dBuV/m)		_	Remark
	4824.000					52.15	74.00		Peak
2	4824.000	32.89	9.57	34.60	30.85	38.71	54.00	15.29	Average

- 1. Emission Level= Antenna Factor + Cable Loss Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.

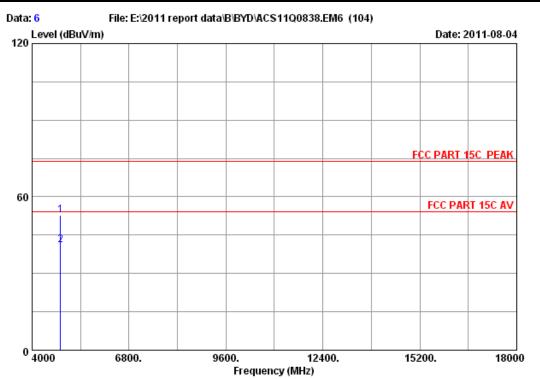


Test mode : IEEE802.11b CH1 2412MHz Tx

: T10COT

M/N





Site no. : 3m Chamber Data no. : 6

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL

Limit : FCC PART 15C PEAK

Env. / Ins. : 23 *C/54% Engineer : Leo-Li

EUT : Tablet PC

Power : DC 19V From Adapter input AC 120V/60Hz

Test mode : IEEE802.11b CH1 2412MHz Tx

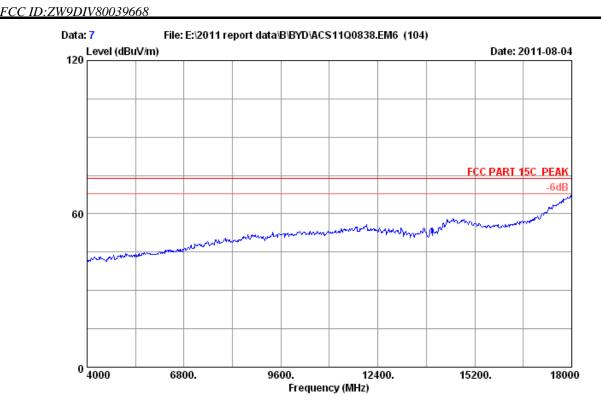
M/N : T10COT

-	loss	Factor	_	Level (dBuV/m)		_	Remark
4824.000 4824.000				52.91 41.06	74.00 54.00		Peak Average

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.

4-13

page



Site no. : 3m Chamber Data no. : 7

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL

Limit : FCC PART 15C PEAK

Env. / Ins. : 23 *C/54% Engineer : Leo-Li

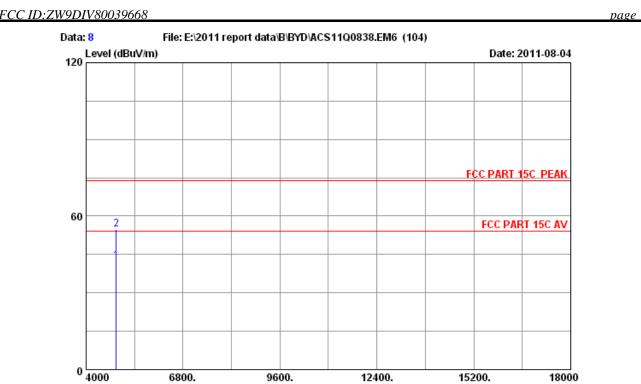
EUT : Tablet PC

Power : DC 19V From Adapter input AC 120V/60Hz

Test mode : IEEE802.11b CH6 2437MHz Tx

M/N : T10COT

4-14



Site no. : 3m Chamber Data no. : 8

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL

Frequency (MHz)

Limit : FCC PART 15C PEAK

Env. / Ins. : 23*C/54% Engineer : Leo-Li

EUT : Tablet PC

Power : DC 19V From Adapter input AC 120V/60Hz

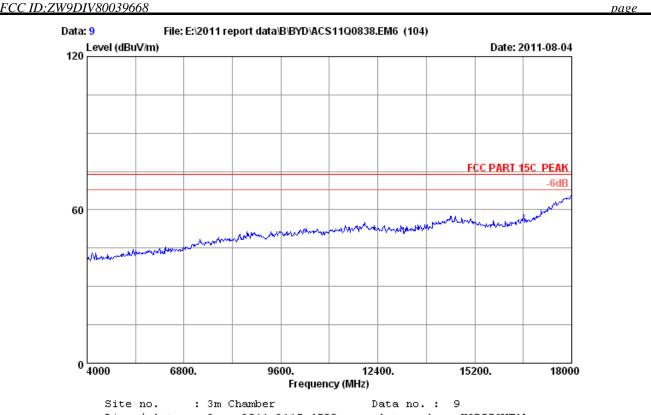
Test mode : IEEE802.11b CH6 2437MHz Tx

M/N : T10COT

-	loss	Factor	_	Level (dBuV/m)		_	Remark	
4874.000 4874.000	 		34.53 46.68	42.53 54.68	54.00 74.00		Average Peak	

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.

4-15



Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL

Limit : FCC PART 15C PEAK

Env. / Ins. : 23 *C/54% Engineer : Leo-Li

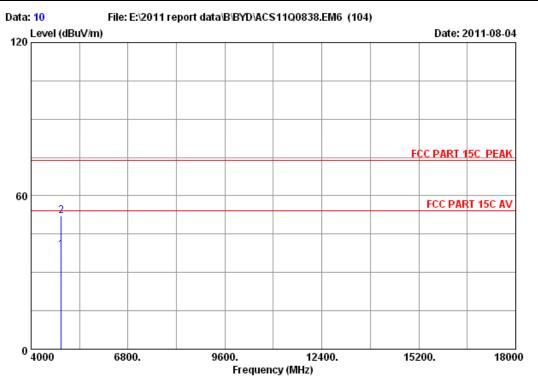
EUT : Tablet PC

Power : DC 19V From Adapter input AC 120V/60Hz

Test mode : IEEE802.11b CH6 2437MHz Tx

M/N : T10COT





Site no. : 3m Chamber Data no. : 10

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL

Limit : FCC PART 15C PEAK

Env. / Ins. : 23 *C/54% Engineer : Leo-Li

EUT : Tablet PC

Power : DC 19V From Adapter input AC 120V/60Hz

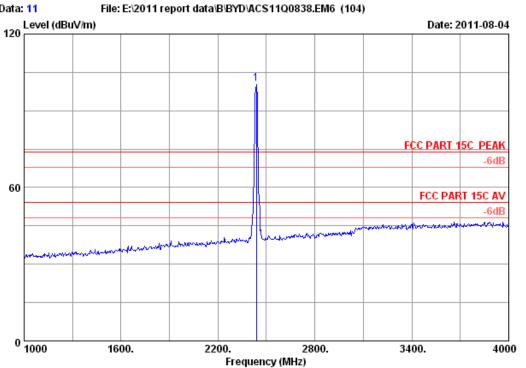
Test mode : IEEE802.11b CH6 2437MHz Tx

M/N : T10COT

-	Factor	loss	_	Level (dBuV/m)		_	Remark	
4874.000 4874.000				38.92 52.26	54.00 74.00		Average Peak	_

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.





Site no. : 3m Chamber Data no.: 11

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL

Limit : FCC PART 15C PEAK

Env. / Ins. : 23*C/54% Engineer : Leo-Li

EUT : Tablet PC

Power : DC 19V From Adapter input AC 120V/60Hz

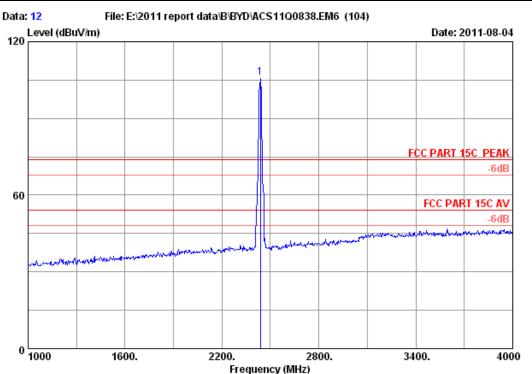
Test mode : IEEE802.11b CH6 2437MHz Tx

M/N : T10COT

	Ant.	Cable	Amp.		Emission			
-				_		Limits Margin (dBuV/m) (dB)	Remark	
2437.000	 1 28.03	6.81	34.44	100.26	100.66	74.00 -26.66	Peak	

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.





Site no. : 3m Chamber Data no.: 12

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL

: FCC PART 15C PEAK Limit

Env. / Ins. : 23*C/54% Engineer : Leo-Li

: Tablet PC

: DC 19V From Adapter input AC 120V/60Hz Power

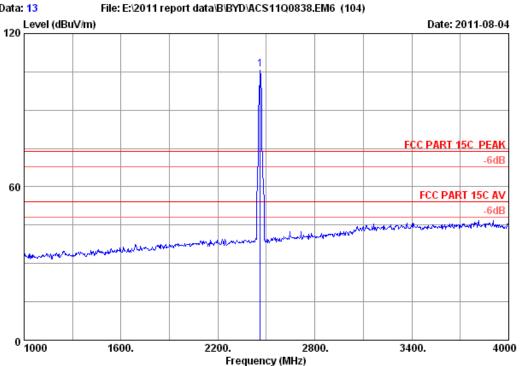
Test mode : IEEE802.11b CH6 2437MHz Tx

: T10COT

		Ant.	Cable	Amp.		Emission			
	-	Factor (dB/m)			_		Limits Margin (dBuV/m) (dB)	Remark	
1	2437.000	 D 28.03	6.81	34.44	105.43	105.83	74.00 -31.83	 Peak	

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.





Site no. : 3m Chamber Data no. : 13

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL

: FCC PART 15C PEAK

Env. / Ins. : 23*C/54% Engineer : Leo-Li

: Tablet PC

: DC 19V From Adapter input AC 120V/60Hz Power

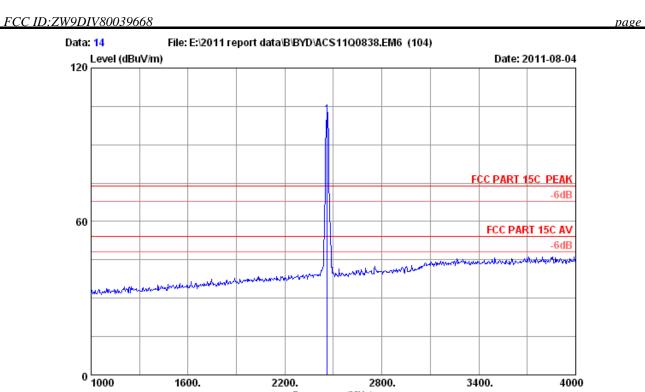
: IEEE802.11b CH11 2462MHz Tx Test mode

M/N : T10COT

	-		loss	Factor	_		Limits Margin (dBuV/m) (dB)	Remark	
1	2462.000	 0 28.05	6.84	34.44	105.58	106.03	74.00 -32.03	 Peak	

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.

4-20



Site no. : 3m Chamber Data no.: 14

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL

Frequency (MHz)

Limit : FCC PART 15C PEAK

Env. / Ins. : 23*C/54% Engineer : Leo-Li

EUT : Tablet PC

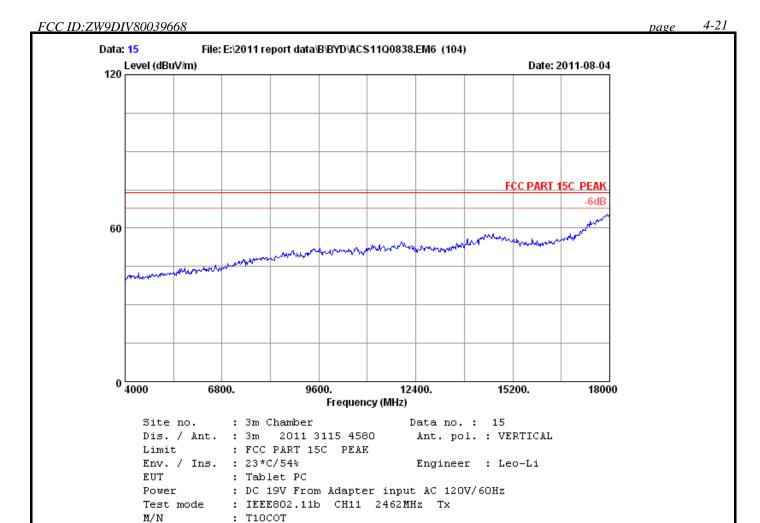
Power : DC 19V From Adapter input AC 120V/60Hz

Test mode : IEEE802.11b CH11 2462MHz Tx

M/N : T10COT

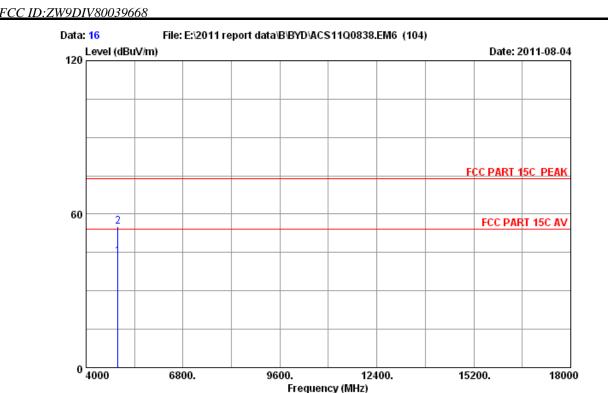
	Ant.	Cable	Amp.		Emission			
-				Reading (dBuV)		Limits Margin (dBuV/m) (dB)	Remark	
2462.000	. 28.O5	6.84	34.44	101.18	101.63	74.00 -27.63	Peak	

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.



4-22

page



Site no. : 3m Chamber Data no. : 16

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL

Limit : FCC PART 15C PEAK

Env. / Ins. : 23*C/54% Engineer : Leo-Li

EUT : Tablet PC

Power : DC 19V From Adapter input AC 120V/60Hz

Test mode : IEEE802.11b CH11 2462MHz Tx

M/N : T10COT

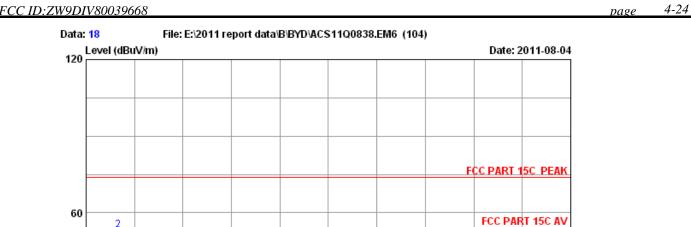
	Ant. Freq. Factor (MHz) (dB/m)	or Reading		Limits M (dBuV/m)	_	Remark
_	4924.000 33.08 4924.000 33.08	 	43.38 55.02	54.00 1 74.00 1	0.62 8.98	Average Peak

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.



15200.

18000



Site no. : 3m Chamber Data no. : 18

9600.

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL

Frequency (MHz)

12400.

Limit : FCC PART 15C PEAK

Env. / Ins. : 23 *C/54% Engineer : Leo-Li

EUT : Tablet PC

6800.

Power : DC 19V From Adapter input AC 120V/60Hz

Test mode : IEEE802.11b CH11 2462MHz Tx

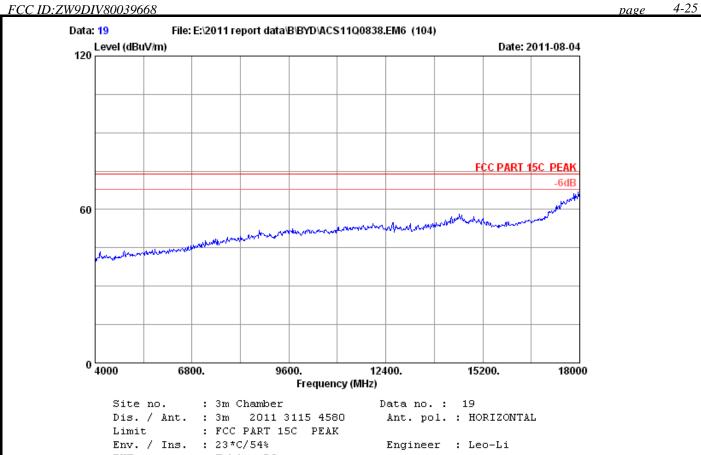
M/N : T10COT

	-	loss	Factor	_	Level (dBuV/m)		_	Remark	
_	4924.000 4924.000	 		31.24 44.94	39.38 53.08	54.00 74.00		Average Peak	

Remarks:

0 4000

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.



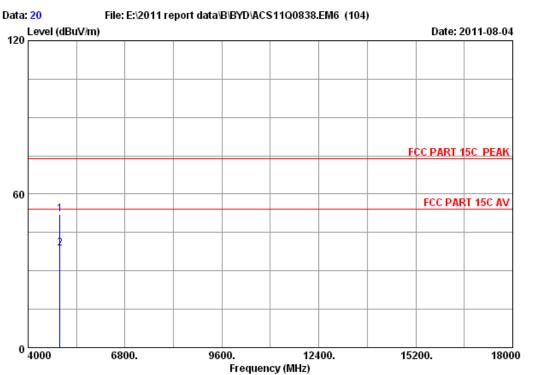
EUT : Tablet PC

Power : DC 19V From Adapter input AC 120V/60Hz

Test mode : IEEE802.11g CH11 2462MHz Tx

M/N : T10COT





Site no. : 3m Chamber Data no. : 20

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL

Limit : FCC PART 15C PEAK

Env. / Ins. : 23*C/54% Engineer : Leo-Li

EUT : Tablet PC

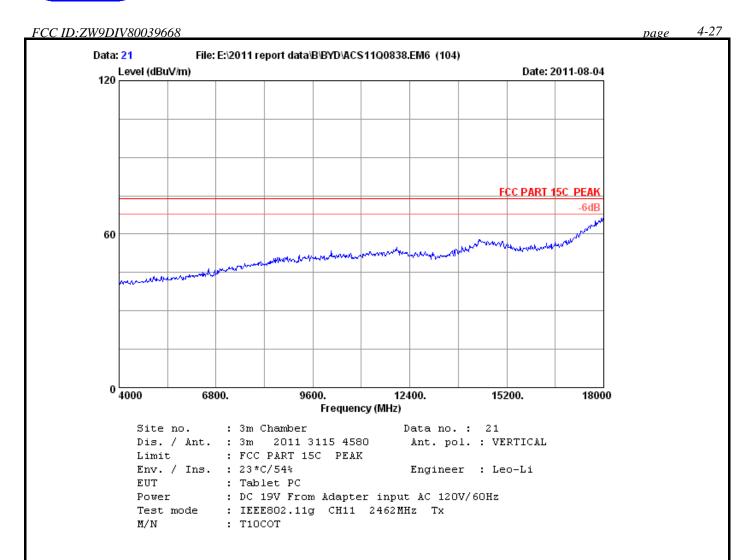
Power : DC 19V From Adapter input AC 120V/60Hz

Test mode : IEEE802.11g CH11 2462MHz Tx

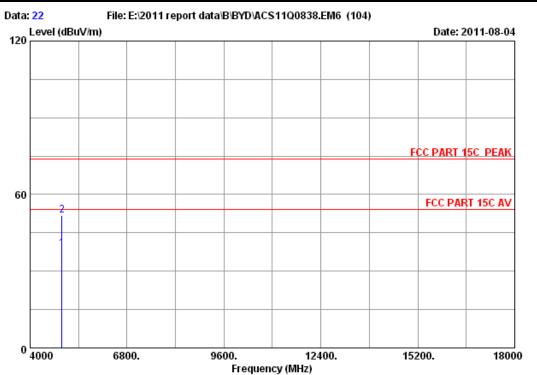
M/N : T10COT

-	Factor (dB/m)	loss	Factor	_	Level (dBuV/m)		_	Remark
4924.000 4924.000				43.89 30.60	52.03 38.74	74.00 54.00		Peak Average

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.







Site no. : 3m Chamber Data no. : 22

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL

Limit : FCC PART 15C PEAK

Env. / Ins. : 23*C/54% Engineer : Leo-Li

EUT : Tablet PC

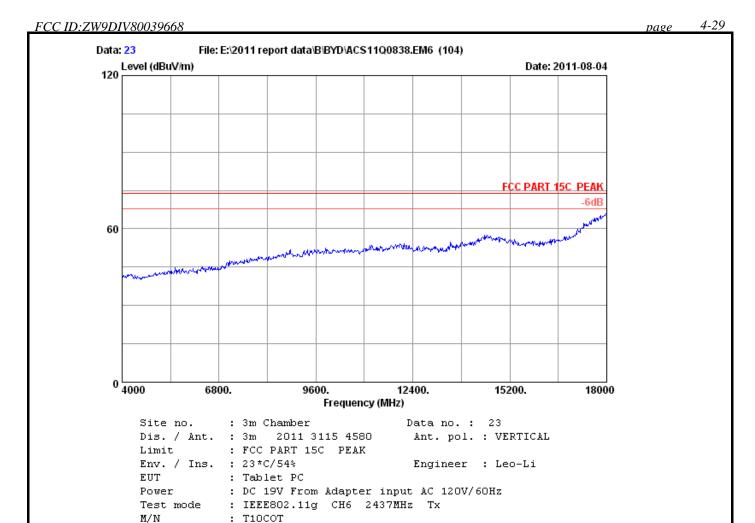
Power : DC 19V From Adapter input AC 120V/60Hz

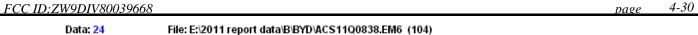
Test mode : IEEE802.11g CH11 2462MHz Tx

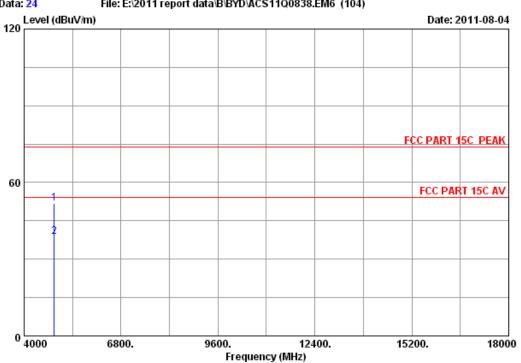
M/N : T10COT

-		Factor	_	Emission Level (dBuV/m)		_	Remark	
4924.000 4924.000			30.63 43.77	38.77 51.91	54.00 74.00		Average Peak	

- 1. Emission Level= Antenna Factor + Cable Loss Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.







Site no. : 3m Chamber Data no.: 24

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL

Limit : FCC PART 15C PEAK

Env. / Ins. : 23*C/54% Engineer : Leo-Li

EUT : Tablet PC

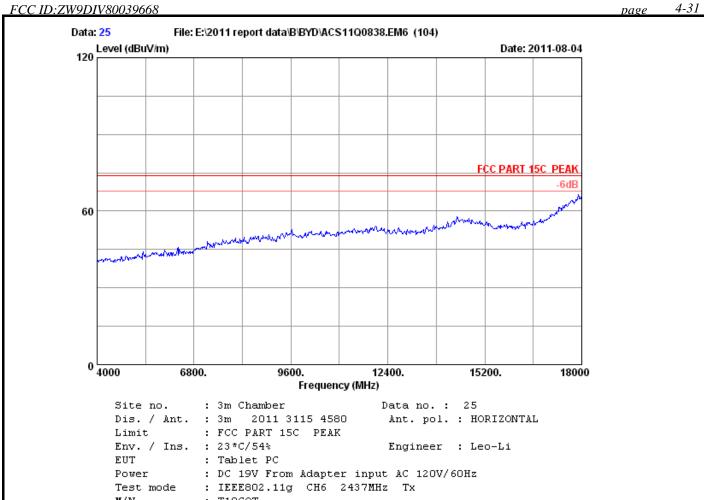
Power : DC 19V From Adapter input AC 120V/60Hz

Test mode : IEEE802.11g CH6 2437MHz Tx

M/N : T10COT

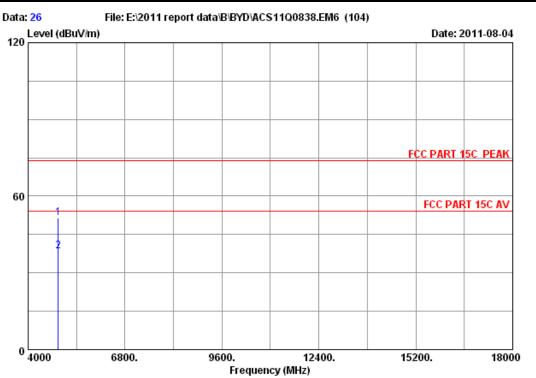
			loss	Factor	Reading	Emission Level (dBuV/m)		_	Remark	
	4874.000					51.77	74.00		Peak	
2	4874.000	32.98	9.62	34.60	30.69	38.69	54.00	15.31	Average	

- 1. Emission Level= Antenna Factor + Cable Loss Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.



M/N : T10COT





Site no. : 3m Chamber Data no. : 26

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL

Limit : FCC PART 15C PEAK

Env. / Ins. : 23*C/54% Engineer : Leo-Li

EUT : Tablet PC

Power : DC 19V From Adapter input AC 120V/60Hz

Test mode : IEEE802.11g CH6 2437MHz Tx

M/N : T10COT

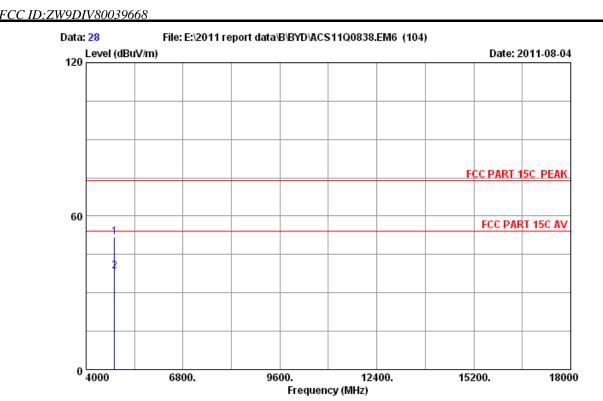
	Factor	_		Limits Margin (dBuV/m) (dB)	Remark
4874.000 32.98 4874.000 32.98	 		51.62 38.60	74.00 22.38 54.00 15.40	Peak Average

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.



4-34

page



Site no. : 3m Chamber Data no. : 28

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL

Limit : FCC PART 15C PEAK

Env. / Ins. : 23*C/54% Engineer : Leo-Li

EUT : Tablet PC

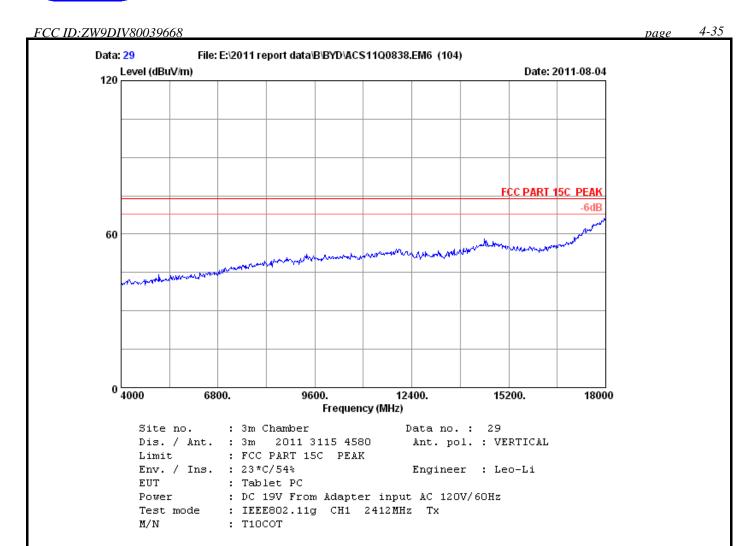
Power : DC 19V From Adapter input AC 120V/60Hz

Test mode : IEEE802.11g CH1 2412MHz Tx

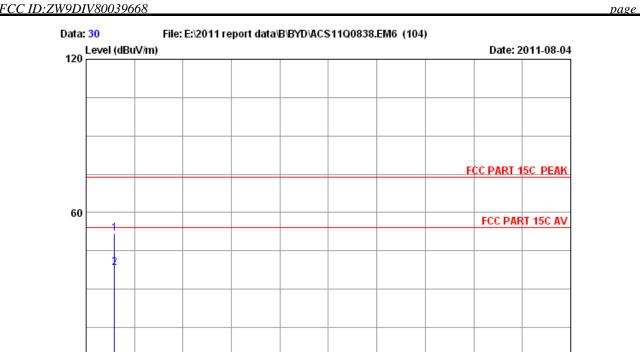
M/N : T10COT

Freq. Factor	Factor	_		Limits Margin (dBuV/m) (dB)	Remark
4824.000 32.89 4824.000 32.89	 		51.73 38.51	74.00 22.27 54.00 15.49	Peak Average

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.



4-36



Site no. : 3m Chamber Data no. : 30

9600.

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL

Frequency (MHz)

12400.

15200.

18000

Limit : FCC PART 15C PEAK

Env. / Ins. : 23*C/54% Engineer : Leo-Li

EUT : Tablet PC

6800.

Power : DC 19V From Adapter input AC 120V/60Hz

Test mode : IEEE802.11g CH1 2412MHz Tx

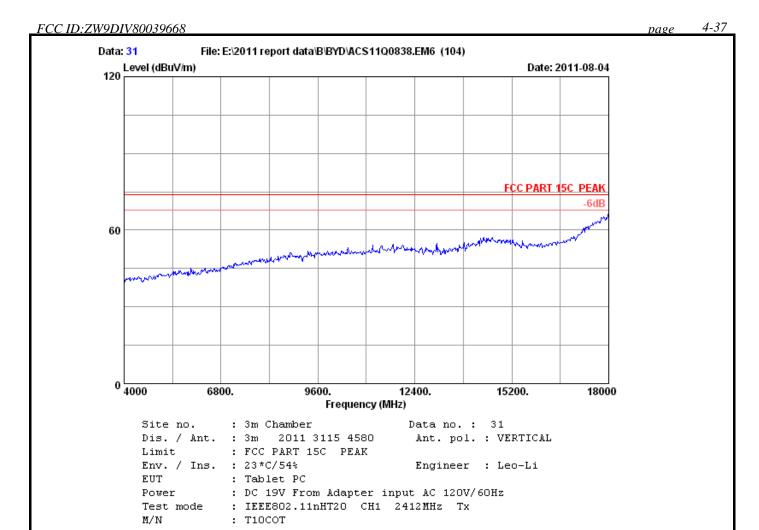
M/N : T10COT

		Ant.	Cable	Amp.		Emission			
	•				_	Level (dBuV/m)		_	Remark
_	4824.000 4824.000					51.78 38.61	74.00 54.00		Peak Average

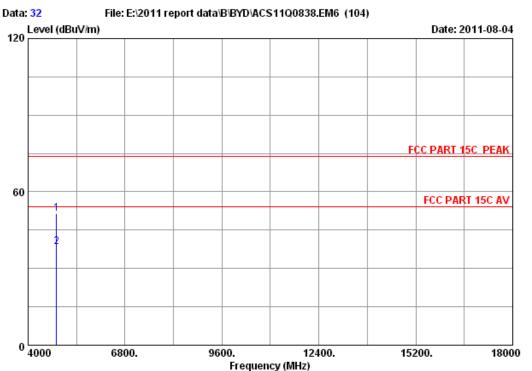
Remarks

⁰4000

- 1. Emission Level= Antenna Factor + Cable Loss Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.







Site no. : 3m Chamber Data no. : 32

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL

Limit : FCC PART 15C PEAK

Env. / Ins. : 23 *C/54% Engineer : Leo-Li

EUT : Tablet PC

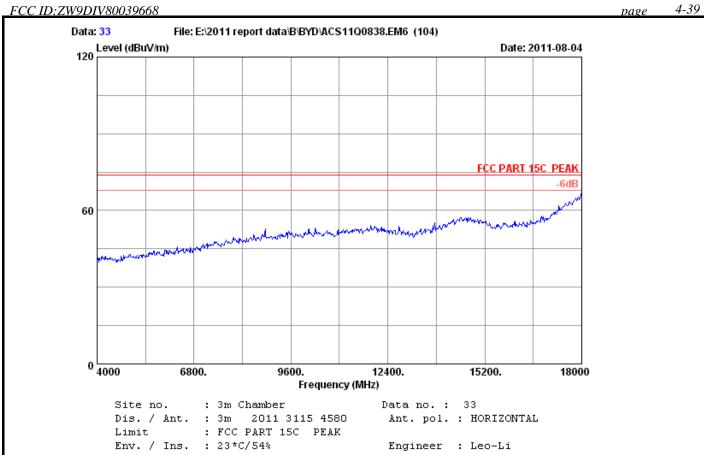
Power : DC 19V From Adapter input AC 120V/60Hz

Test mode : IEEE802.11nHT20 CH1 2412MHz Tx

M/N : T10COT

-	loss	Factor	_	Level (dBuV/m)		_	Remark	
4824.000 4824.000				51.42 38.48	74.00 54.00		Peak Average	

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.

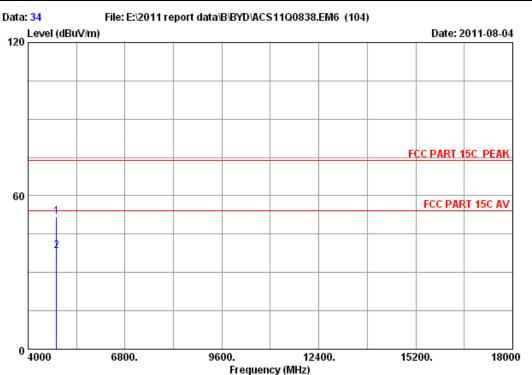


EUT : Tablet PC

Power : DC 19V From Adapter input AC 120V/60Hz Test mode : IEEE802.11nHT20 CH1 2412MHz Tx

M/N : T10COT





Site no. : 3m Chamber Data no. : 34

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL

Limit : FCC PART 15C PEAK

Env. / Ins. : 23 *C/54% Engineer : Leo-Li

EUT : Tablet PC

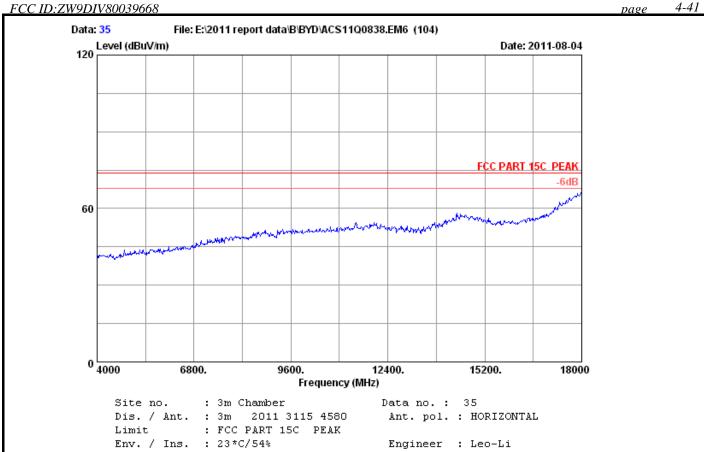
Power : DC 19V From Adapter input AC 120V/60Hz

Test mode : IEEE802.11nHT20 CH1 2412MHz Tx

M/N : T10COT

-	Factor	loss	_	Level (dBuV/m)		_	Remark	
4824.000 4824.000				51.75 38.54	74.00 54.00		Peak Average	

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.

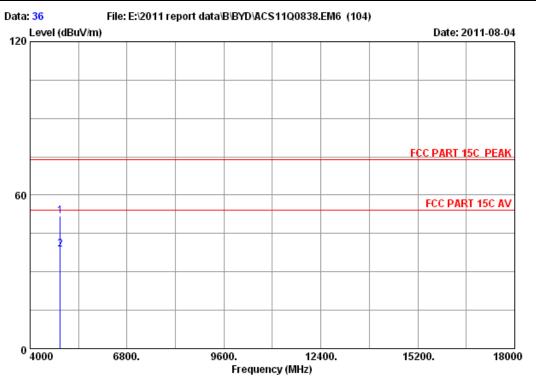


EUT : Tablet PC

Power : DC 19V From Adapter input AC 120V/60Hz Test mode : IEEE802.11nHT20 CH6 2437MHz Tx

M/N : T10COT





Site no. : 3m Chamber Data no. : 36

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL

Limit : FCC PART 15C PEAK

Env. / Ins. : 23*C/54% Engineer : Leo-Li

EUT : Tablet PC

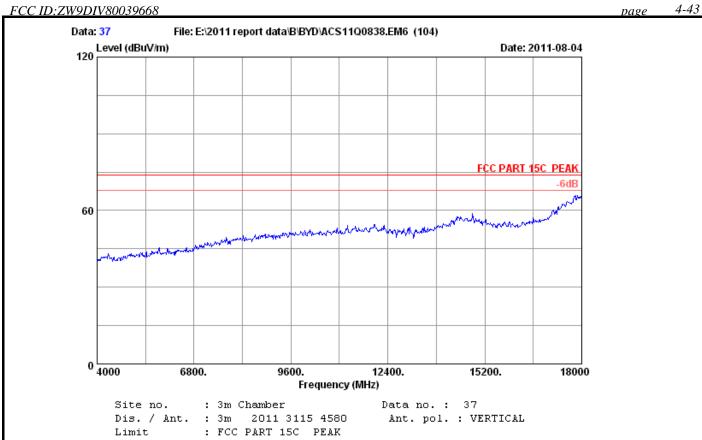
Power : DC 19V From Adapter input AC 120V/60Hz

Test mode : IEEE802.11nHT20 CH6 2437MHz Tx

M/N : T10COT

-	loss	Factor	_	Level (dBuV/m)		_	Remark
4874.000 4874.000	 			51.78 38.71	74.00 54.00		Peak Average

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.



Env. / Ins. : 23 *C/54% Engineer : Leo-Li

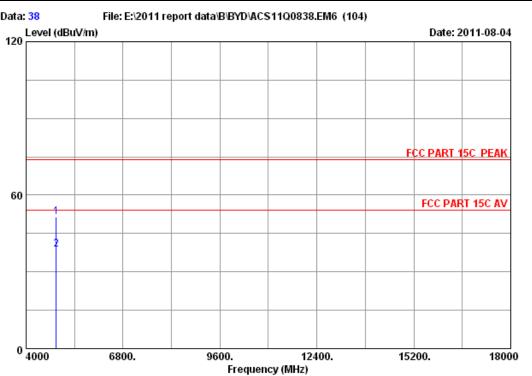
EUT : Tablet PC

: DC 19V From Adapter input AC 120V/60Hz Power

Test mode : IEEE802.11nHT20 CH6 2437MHz Tx

M/N : T10COT





Site no. : 3m Chamber Data no. : 38
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL

Limit : FCC PART 15C PEAK

Env. / Ins. : 23*C/54% Engineer : Leo-Li

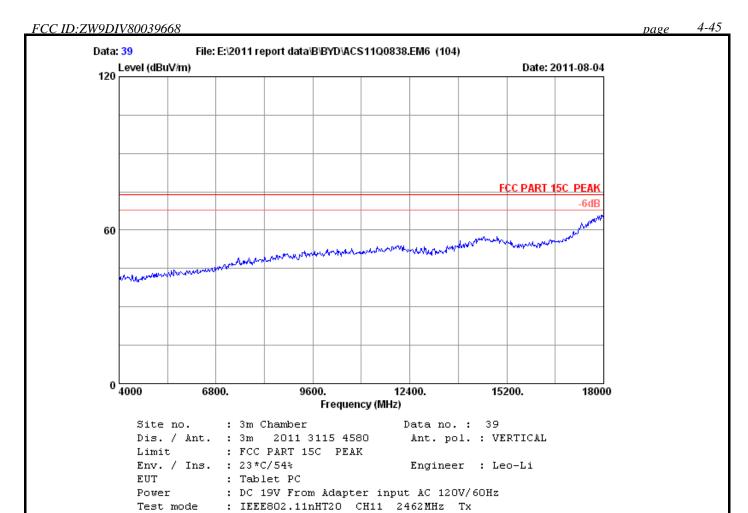
EUT : Tablet PC

Power : DC 19V From Adapter input AC 120V/60Hz Test mode : IEEE802.11nHT20 CH6 2437MHz Tx

M/N : T10COT

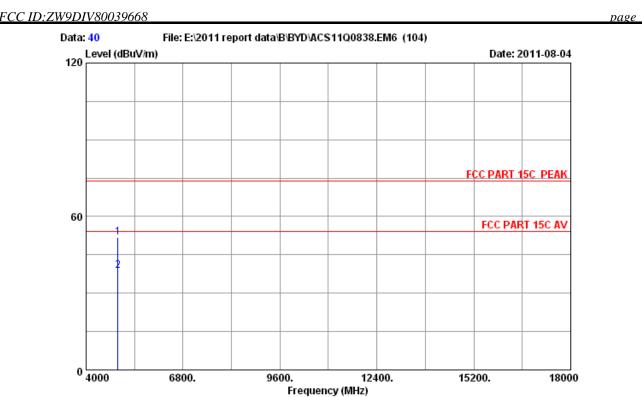
-	Factor	loss	_	Level (dBuV/m)		_	Remark	
4874.000 4874.000				51.62 38.69	74.00 54.00		Peak Average	

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.



: T10COT

4-46



Site no. : 3m Chamber Data no. : 40

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL

Limit : FCC PART 15C PEAK

Env. / Ins. : 23*C/54% Engineer : Leo-Li

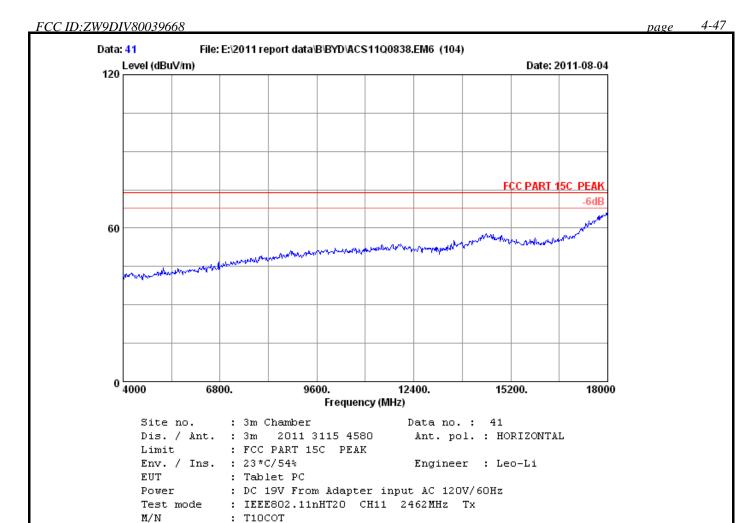
EUT : Tablet PC

Power : DC 19V From Adapter input AC 120V/60Hz Test mode : IEEE802.11nHT20 CH11 2462MHz Tx

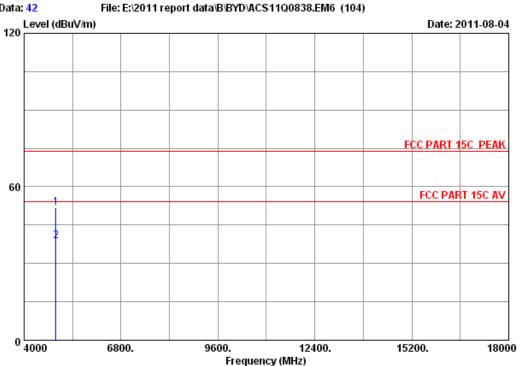
M/N : T10COT

		Ant.	Cable	Amp.		Emission				
	-				_	Level (dBuV/m)		_	Remark	
	4004 000		0 66	24 60	40 77	F1 01	74 00	22 00	D 1-	_
T	4924.000	J JJ.UO	9.00	34.60	43.77	51.91	74.00	44.09	Peak	
2	4924.000	33.08	9.66	34.60	30.67	38.81	54.00	15.19	Average	

- 1. Emission Level= Antenna Factor + Cable Loss Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.







Site no. : 3m Chamber Data no. : 42

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL

Limit : FCC PART 15C PEAK

Env. / Ins. : 23*C/54% Engineer : Leo-Li

EUT : Tablet PC

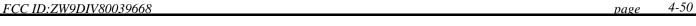
Power : DC 19V From Adapter input AC 120V/60Hz Test mode : IEEE802.11nHT20 CH11 2462MHz Tx

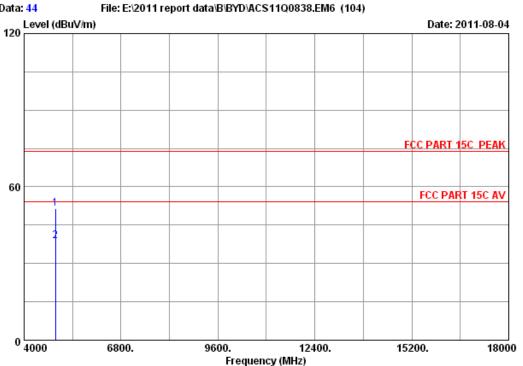
M/N : T10COT

	-	Factor	loss	_	Emission Level (dBuV/m)		_	Remark	
_	4924.00			 	51.95 38.83	74.00 54.00		Peak Average	_

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.







Site no. : 3m Chamber Data no. : 44

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL

Limit : FCC PART 15C PEAK

Env. / Ins. : 23 *C/54% Engineer : Leo-Li

EUT : Tablet PC

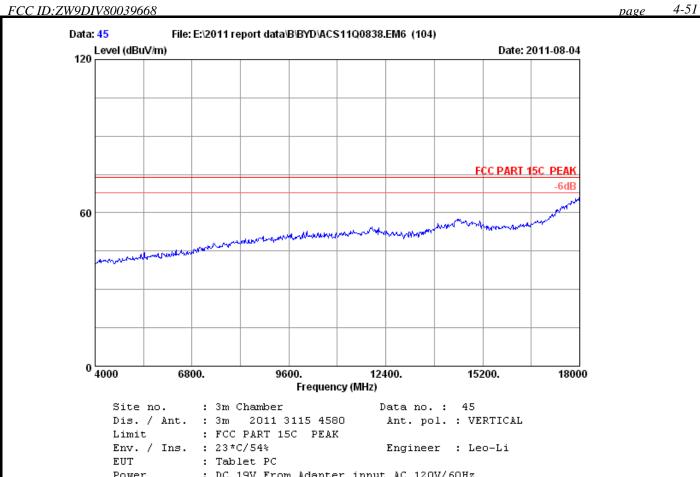
Power : DC 19V From Adapter input AC 120V/60Hz

Test mode : IEEE802.11nHT40 CH7 2452MHz Tx

M/N : T10COT

	-	loss	Factor	_	Level (dBuV/m)		_	Remark	
_	4904.000	 			51.54 38.62	74.00 54.00		Peak Average	

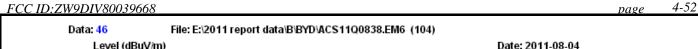
- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.

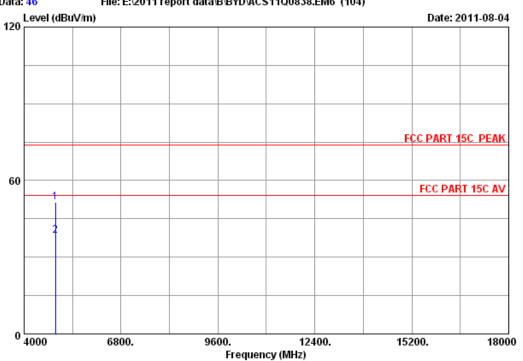


: DC 19V From Adapter input AC 120V/60Hz Power

: IEEE802.11nHT40 CH7 2452MHz Tx Test mode

: T10COT





Site no. : 3m Chamber Data no.: 46

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL

Limit : FCC PART 15C PEAK

Env. / Ins. : 23*C/54% Engineer : Leo-Li

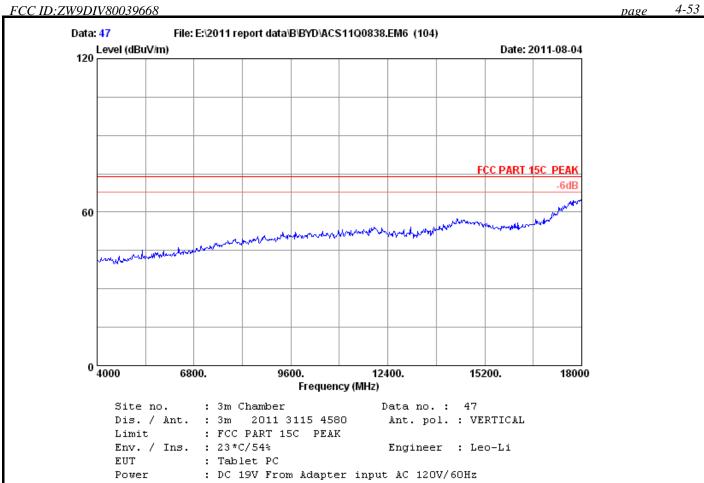
EUT : Tablet PC

Power : DC 19V From Adapter input AC 120V/60Hz Test mode : IEEE802.11nHT40 CH7 2452MHz Tx

M/N : T10COT

	-	Factor			_	Emission Level (dBuV/m)		_	Remark	
	4904.000				43.49	51.57	74.00		Peak	
2	4904.000	33.04	9.64	34.60	30.45	38.53	54.00	15.47	Average	

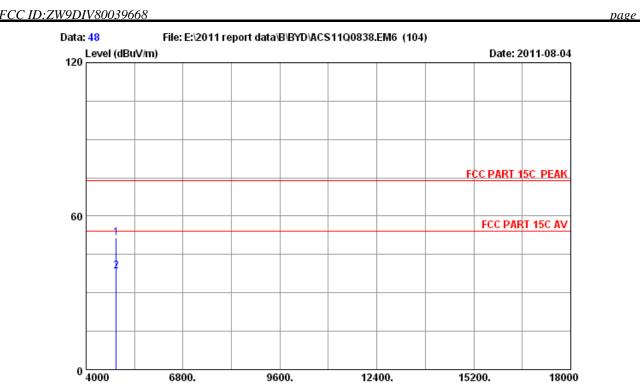
- 1. Emission Level= Antenna Factor + Cable Loss Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.



: IEEE802.11nHT40 CH4 2437MHz Tx Test mode

: T10COT

4-54



Site no. : 3m Chamber Data no. : 48

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL

Frequency (MHz)

Limit : FCC PART 15C PEAK

Env. / Ins. : 23*C/54% Engineer : Leo-Li

EUT : Tablet PC

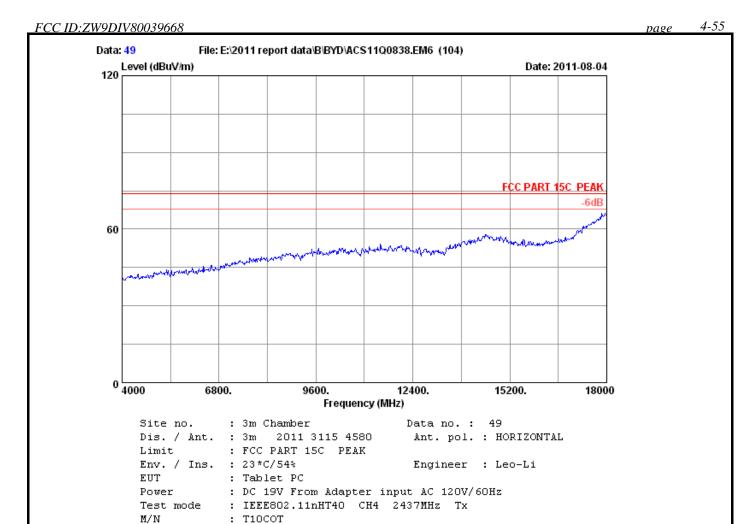
Power : DC 19V From Adapter input AC 120V/60Hz

Test mode : IEEE802.11nHT40 CH4 2437MHz Tx

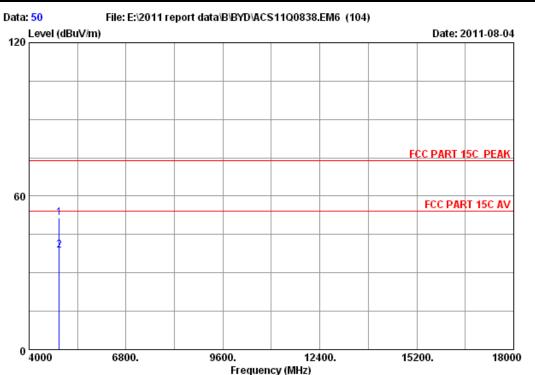
M/N : T10COT

-	loss	Factor	_	Level (dBuV/m)		_	Remark
4874.000 4874.000	 			51.51 38.42	74.00 54.00		Peak Average

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.







Site no. : 3m Chamber Data no. : 50

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL

Limit : FCC PART 15C PEAK

Env. / Ins. : 23*C/54% Engineer : Leo-Li

EUT : Tablet PC

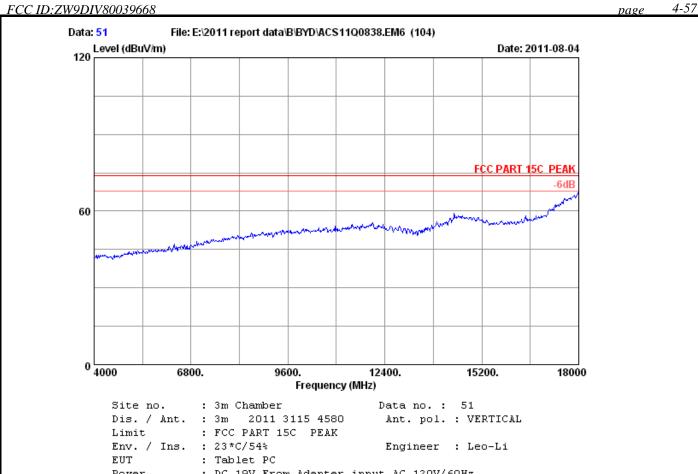
Power : DC 19V From Adapter input AC 120V/60Hz

Test mode : IEEE802.11nHT40 CH4 2437MHz Tx

M/N : T10COT

-	loss	Factor	_	Level (dBuV/m)		_	Remark
4874.000 4874.000	 			51.49 38.64	74.00 54.00		Peak Average

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.

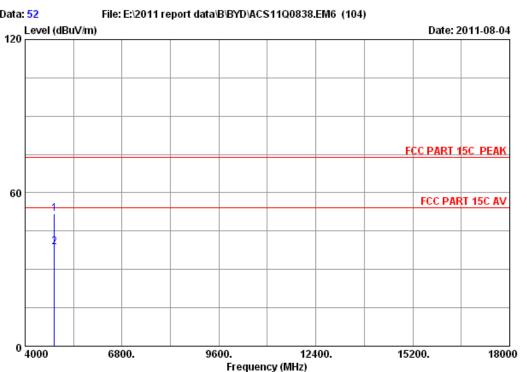


Power : DC 19V From Adapter input AC 120V/60Hz

Test mode : IEEE802.11nHT40 CH1 2422MHz Tx

M/N : T10COT





Site no. : 3m Chamber Data no. : 52

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL

Limit : FCC PART 15C PEAK

Env. / Ins. : 23 *C/54% Engineer : Leo-Li

EUT : Tablet PC

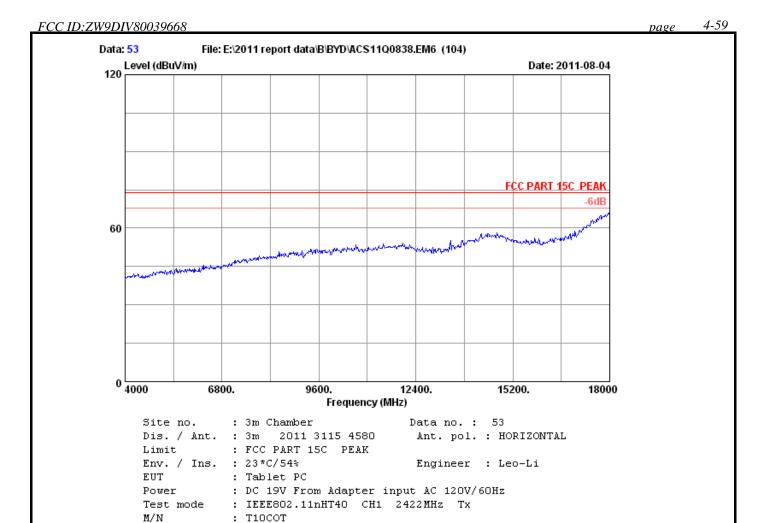
Power : DC 19V From Adapter input AC 120V/60Hz

Test mode : IEEE802.11nHT40 CH1 2422MHz Tx

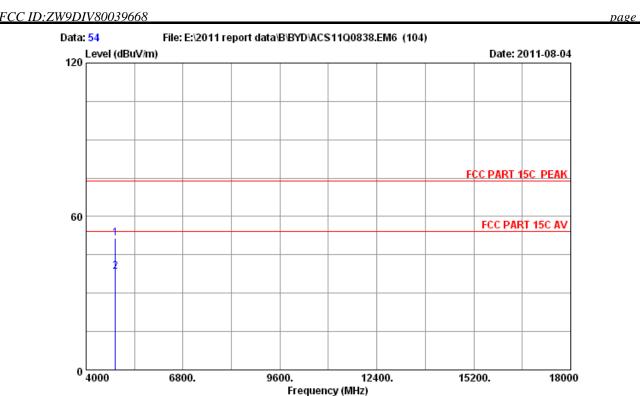
M/N : T10COT

	-	loss	Factor	_	Level (dBuV/m)		_	Remark
_	4844.000 4844.000	 			51.84 38.67	74.00 54.00		Peak Average

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.



4-60



Site no. : 3m Chamber Data no. : 54

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL

Limit : FCC PART 15C PEAK

Env. / Ins. : 23*C/54% Engineer : Leo-Li

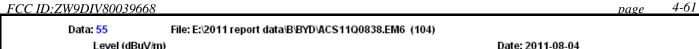
EUT : Tablet PC

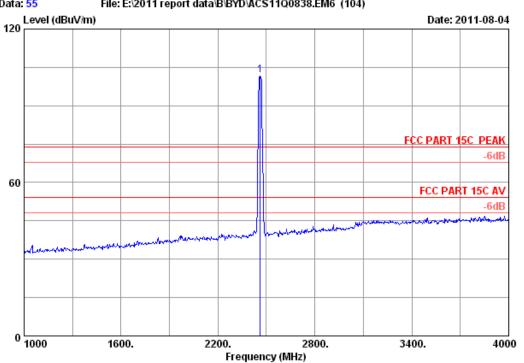
Power : DC 19V From Adapter input AC 120V/60Hz Test mode : IEEE802.11nHT40 CH1 2422MHz Tx

M/N : T10COT

	Ant. Freq. Factor (MHz) (dB/m)	Reading (dBuV)		Limits Margin (dBuV/m) (dB)	Remark
1	4844.000 32.92	 43.66	51.57	74.00 22.43	Peak
2	4844.000 32.92	30.67	38.58	54.00 15.42	Average

- 1. Emission Level= Antenna Factor + Cable Loss Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.





Site no. : 3m Chamber Data no.: 55

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL

Limit : FCC PART 15C PEAK

Env. / Ins. : 23*C/54% Engineer : Leo-Li

EUT : Tablet PC

Power : DC 19V From Adapter input AC 120V/60Hz

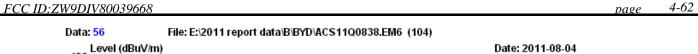
Test mode : IEEE802.11g CH11 2462MHz Tx

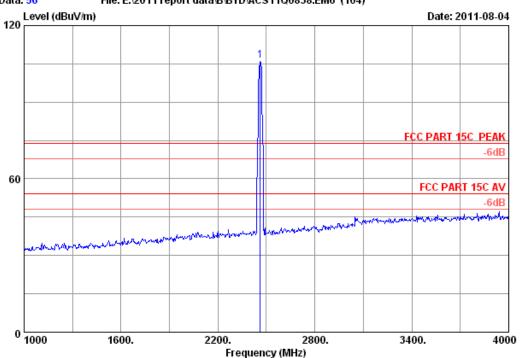
M/N : T10COT

	Ant.	Cable	Amp.		Emission			
Freq.	Factor	loss	Factor	Reading	Level	Limits M	argin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	

1 2462.000 28.05 6.84 34.44 101.57 102.02 74.00 -28.02 Peak

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.





Site no. : 3m Chamber Data no. : 56

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL

Limit : FCC PART 15C PEAK

Env. / Ins. : 23 *C/54% Engineer : Leo-Li

EUT : Tablet PC

Power : DC 19V From Adapter input AC 120V/60Hz

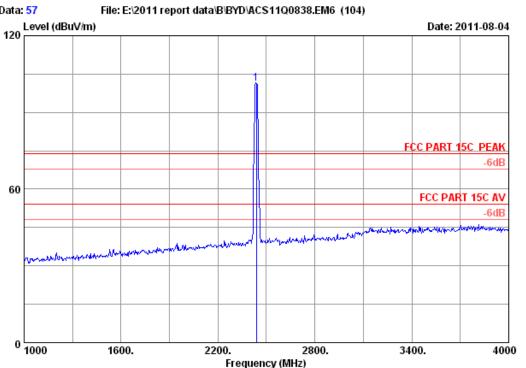
Test mode : IEEE802.11g CH11 2462MHz Tx

M/N : T10COT

	-		loss	Factor	_		Limits Margin (dBuV/m) (dB)	Remark	
1	2462.000	 D 28.05	6.84	34.44	105.83	106.28	74.00 -32.28	Peak	_

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.





Site no. : 3m Chamber Data no. : 57

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL

Limit : FCC PART 15C PEAK

Env. / Ins. : 23*C/54% Engineer : Leo-Li

EUT : Tablet PC

Power : DC 19V From Adapter input AC 120V/60Hz

Test mode : IEEE802.11g CH6 2437MHz Tx

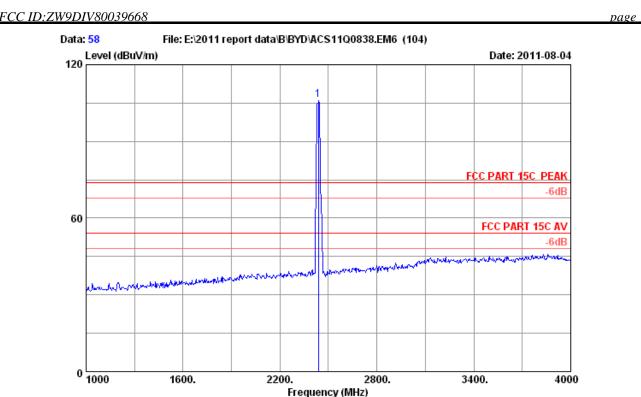
M/N : T10COT

	Ant.	Cable	Amp.		Emission		
Freq.	Factor	loss	Factor	Reading	Level	Limits Margin Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m) (dB)	

2437.000 28.03 6.81 34.44 101.00 101.40 74.00 -27.40 Peak

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.

4-64



Site no. : 3m Chamber Data no. : 58

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL

Limit : FCC PART 15C PEAK

Env. / Ins. : 23 *C/54% Engineer : Leo-Li

EUT : Tablet PC

Power : DC 19V From Adapter input AC 120V/60Hz

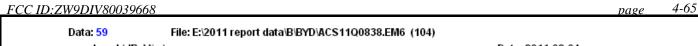
Test mode : IEEE802.11g CH6 2437MHz Tx

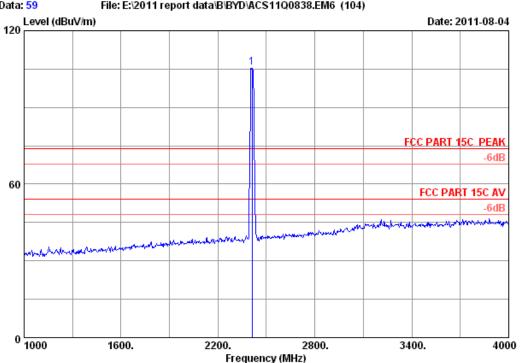
M/N : T10COT

	Ant.	Cable	Amp.		Emission		
Freq.	Factor	loss	Factor	Reading	Level	Limits Margin Ro	≘mark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m) (dB)	
				405 55	400 45	E4 00 00 45 1	

2437.000 28.03 6.81 34.44 105.75 106.15 74.00 -32.15 Peak

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.





Site no. : 3m Chamber Data no. : 59

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL

Limit : FCC PART 15C PEAK

Env. / Ins. : 23 *C/54% Engineer : Leo-Li

EUT : Tablet PC

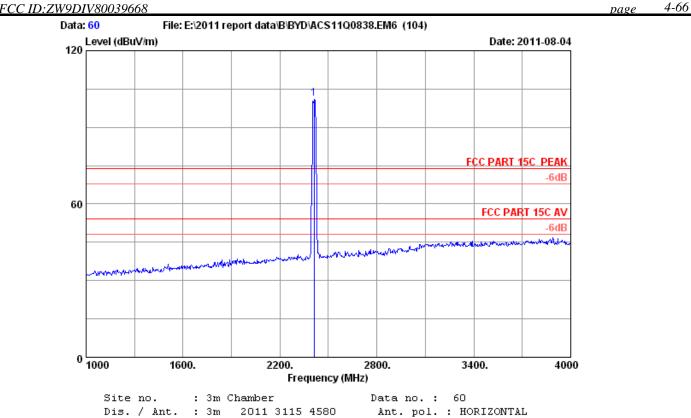
Power : DC 19V From Adapter input AC 120V/60Hz

Test mode : IEEE802.11g CH1 2412MHz Tx

M/N : T10COT

		Ant.	Cable	Amp.		Emission			
	Freq.	Factor	loss	Factor	Reading	Level	Limits Margin	Remark	
	(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m) (dB)		
									•
1	2412.000	27.98	6.78	34.44	105.38	105.70	74.00 -31.70	Peak	

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.



: FCC PART 15C PEAK

Env. / Ins. : 23*C/54% Engineer : Leo-Li

EUT : Tablet PC

Power : DC 19V From Adapter input AC 120V/60Hz

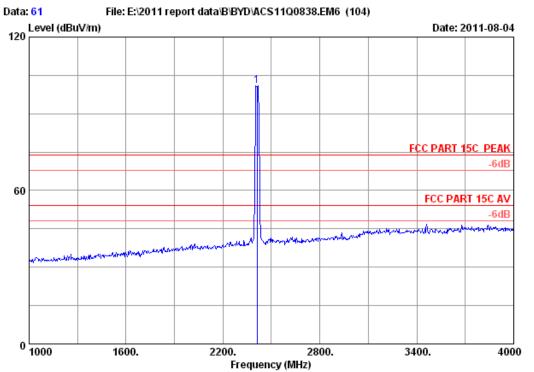
Test mode : IEEE802.11g CH1 2412MHz Tx

: T10COT M/N

		Ant.	Cable	Amp.		Emission		
	Freq.	Factor	loss	Factor	Reading	Level	Limits Margin	Remark
	(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m) (dB)	
1	2412.000	0 27.98	6.78	34.44	100.83	101.15	74.00 -27.15	Peak

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.





Site no. : 3m Chamber Data no.: 61

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL

Limit : FCC PART 15C PEAK

Env. / Ins. : 23 *C/54% Engineer : Leo-Li

EUT : Tablet PC

Power : DC 19V From Adapter input AC 120V/60Hz Test mode : IEEE802.11nHT20 CH1 2412MHz Tx

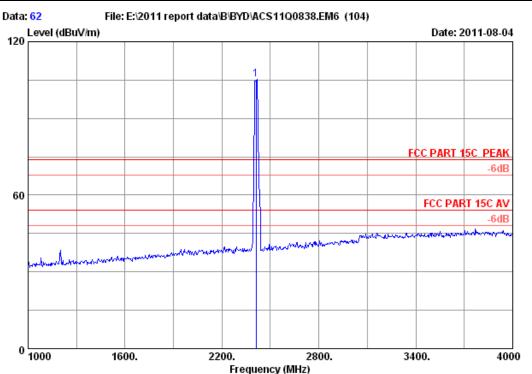
M/N : T10COT

	Ant.	Cable	Amp.		Emission			
-				_		Limits Margin (dBuV/m) (dB)	Remark	
2412.000	 1 27.98	6.78	34.44	 100.63	100.95	74.00 -26.95	Peak	

2412.000 27.30 0.70 34.44 100.03 100.33 74.00 -20.33 Feak

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.





Site no. : 3m Chamber Data no. : 62

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL

Limit : FCC PART 15C PEAK

Env. / Ins. : 23 *C/54% Engineer : Leo-Li

EUT : Tablet PC

Power : DC 19V From Adapter input AC 120V/60Hz

Test mode : IEEE802.11nHT20 CH1 2412MHz Tx

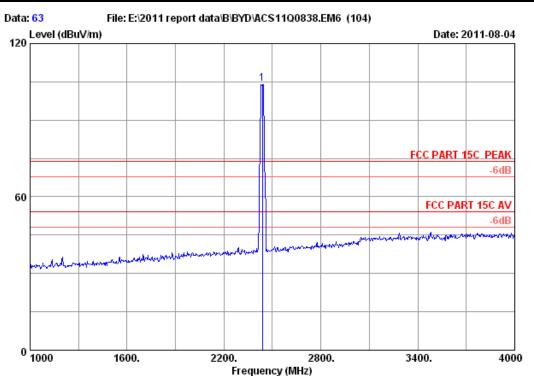
M/N : T10COT

	Ant.	capie	Amp.		rm1ss1on			
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	

1 2412.000 27.98 6.78 34.44 105.10 105.42 74.00 -31.42 Peak

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.





Site no. : 3m Chamber Data no. : 63

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL

Limit : FCC PART 15C PEAK

Env. / Ins. : 23 *C/54% Engineer : Leo-Li

EUT : Tablet PC

Power : DC 19V From Adapter input AC 120V/60Hz

Test mode : IEEE802.11nHT20 CH6 2437MHz Tx

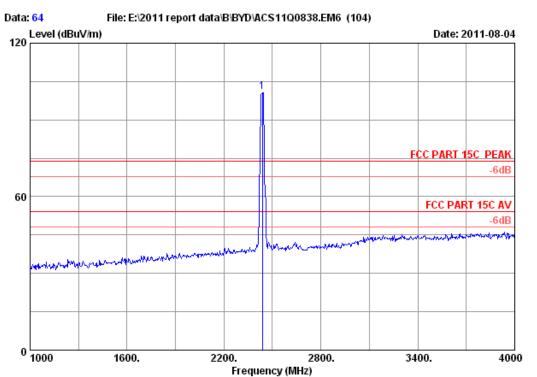
M/N : T10COT

	ant.	Cable	Amp.		Emission			
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	

1 2437.000 28.03 6.81 34.44 104.01 104.41 74.00 -30.41 Peak

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.





Site no. : 3m Chamber Data no. : 64

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL

Limit : FCC PART 15C PEAK

Env. / Ins. : 23*C/54% Engineer : Leo-Li

EUT : Tablet PC

Power : DC 19V From Adapter input AC 120V/60Hz

Test mode : IEEE802.11nHT20 CH6 2437MHz Tx

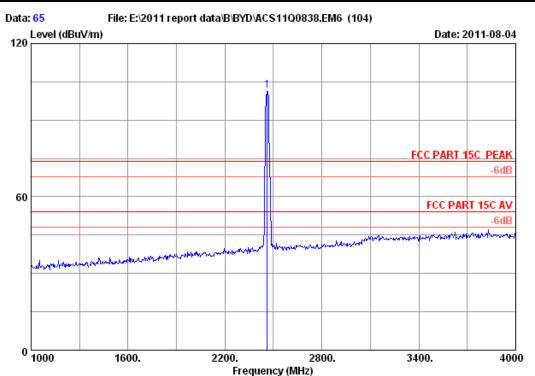
M/N : T10COT

	-		loss	Factor	_		Limits Margin (dBuV/m) (dB)	Remark	
1	2437.000	 0 28.03	6.81	34.44	100.68	101.08	74.00 -27.08	 Peak	

2437.000 20.03 0.01 34.44 100.00 101.00 74.00 -27.00 Feak

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.





Site no. : 3m Chamber Data no. : 65

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL

Limit : FCC PART 15C PEAK

Env. / Ins. : 23 *C/54% Engineer : Leo-Li

EUT : Tablet PC

Power : DC 19V From Adapter input AC 120V/60Hz Test mode : IEEE802.11nHT20 CH11 2462MHz Tx

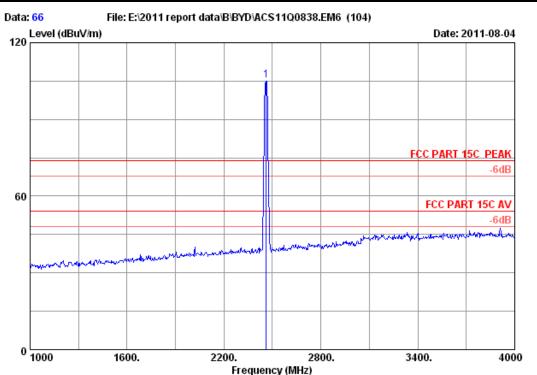
M/N : T10COT

	Ant.	Cable	Amp.		Emission			
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	

1 2462.000 28.05 6.84 34.44 101.27 101.72 74.00 -27.72 Peak

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.





Site no. : 3m Chamber Data no. : 66

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL

Limit : FCC PART 15C PEAK

Env. / Ins. : 23 *C/54% Engineer : Leo-Li

EUT : Tablet PC

Power : DC 19V From Adapter input AC 120V/60Hz Test mode : IEEE802.11nHT20 CH11 2462MHz Tx

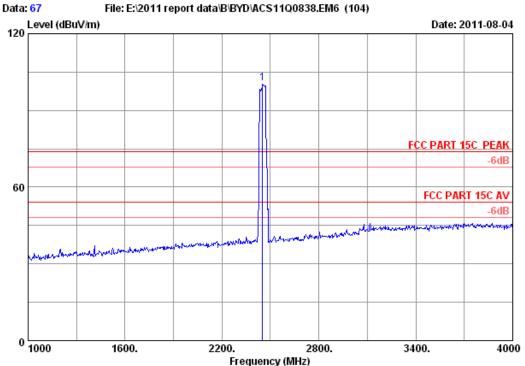
M/N : T10COT

	Ant.	Cable	Amp.		Emission			
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	

1 2462.000 28.05 6.84 34.44 104.80 105.25 74.00 -31.25 Peak

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.





Site no. : 3m Chamber Data no. : 67

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL

Limit : FCC PART 15C PEAK

Env. / Ins. : 23*C/54% Engineer : Leo-Li

EUT : Tablet PC

Power : DC 19V From Adapter input AC 120V/60Hz

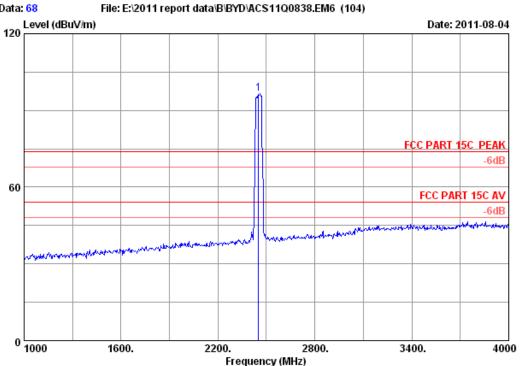
Test mode : IEEE802.11nHT40 CH7 2452MHz Tx

M/N : T10COT

		Ant.	Cable	Amp.		Emission		
	Freq.	Factor	loss	Factor	Reading	Level	Limits Margin	Remark
	(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m) (dB)	
1	2452.000	28.03	6.84	34.44	100.26	100.69	74.00 -26.69	Peak

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.





Site no. : 3m Chamber Data no. : 68

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL

Limit : FCC PART 15C PEAK

Env. / Ins. : 23*C/54% Engineer : Leo-Li

EUT : Tablet PC

Power : DC 19V From Adapter input AC 120V/60Hz

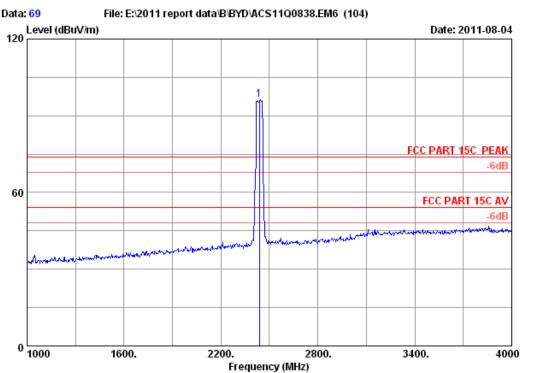
Test mode : IEEE802.11nHT40 CH7 2452MHz Tx

M/N : T10COT

		Anc.	capie	Amp.		rmission		
	Freq.	Factor	loss	Factor	Reading	Level	Limits Margin	Remark
	(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m) (dB)	
1	2452.000	28.03	6.84	34.44	96.12	96.55	74.00 -22.55	Peak

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.





Site no. : 3m Chamber Data no.: 69

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL

Limit : FCC PART 15C PEAK

Env. / Ins. : 23*C/54% Engineer : Leo-Li

EUT : Tablet PC

Power : DC 19V From Adapter input AC 120V/60Hz Test mode : IEEE802.11nHT40 CH4 2437MHz Tx

M/N : T10COT

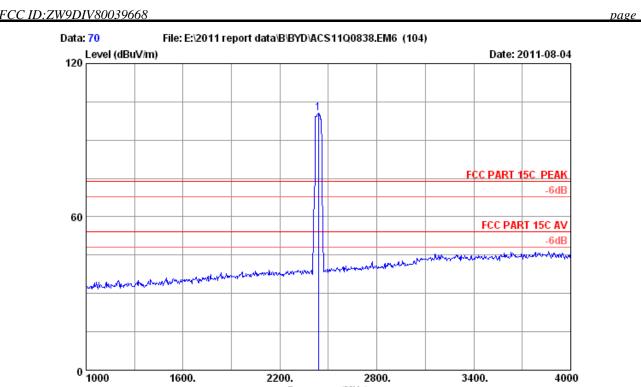
	Ant.	Cable	Amp.		Emission		
Freq.	Factor	loss	Factor	Reading	Level	Limits Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m) (dB)	
2437 000	n 28 n3	6 81	34 44	96 01	96 41	74 00 -22 41	Peak

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.

3400.

4000

4-76



Site no. : 3m Chamber Data no.: 70

2200.

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL

Frequency (MHz)

2800.

: FCC PART 15C PEAK

Env. / Ins. : 23*C/54% Engineer : Leo-Li

: Tablet PC

1600.

: DC 19V From Adapter input AC 120V/60Hz Power

Test mode : IEEE802.11nHT40 CH4 2437MHz Tx

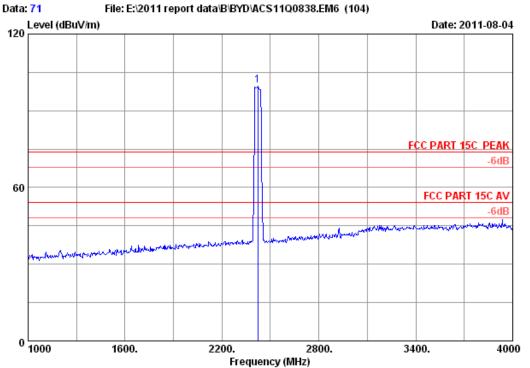
: T10COT

	Ant.	Cable	Amp.		Emission			
Freq.	Factor	loss	Factor	Reading	Level	Limits Margi	n Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m) (dB)		
								-

2437.000 28.03 6.81 34.44 100.35 100.75 74.00 -26.75 Peak

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.





Site no. : 3m Chamber Data no.: 71

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL

Limit : FCC PART 15C PEAK

Env. / Ins. : 23*C/54% Engineer : Leo-Li

EUT : Tablet PC

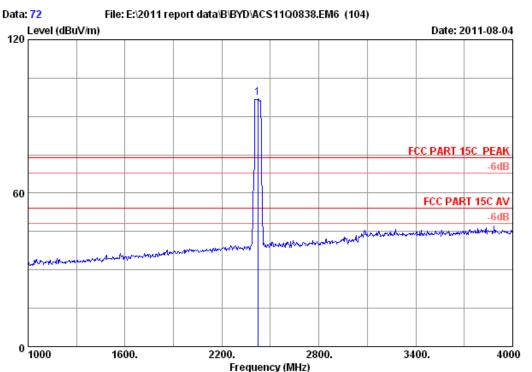
Power : DC 19V From Adapter input AC 120V/60Hz Test mode : IEEE802.11nHT40 CH1 2422MHz Tx

M/N : T10COT

	Ant.	Cable	Amp.		Emission			
Freq.	Factor	loss	Factor	Reading	Level	Limits Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m) (dB)		
2422.000	0.28.00	6.78	34.44	99.73	100.07	74.00 -26.07	Peak	

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.





Site no. : 3m Chamber Data no. : 72

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL

Limit : FCC PART 15C PEAK

Env. / Ins. : 23*C/54% Engineer : Leo-Li

EUT : Tablet PC

Power : DC 19V From Adapter input AC 120V/60Hz

Test mode : IEEE802.11nHT40 CH1 2422MHz Tx

M/N : T10COT

	-	Factor		Factor	_		Limits Margin (dBuV/m) (dB)	Remark	
1	2422.000	 J 28.00	6.78	34.44	96.78	97.12	74.00 -23.12	Peak	

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.



FCC ID:ZW9DIV80039668 page 5-1

5. CONDUCTED SPURIOUS EMISSIONS

5.1.Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum Analyzer	Agilent	E4446A	US44300459	May.08,11	1 Year
2.	Attenuator	Agilent	8491B	MY39262165	May.08,11	1 Year
3.	RF Cable	Hubersuhner	SUCOFLEX102	28618/2	May.08,11	1Year

5.2.Limit

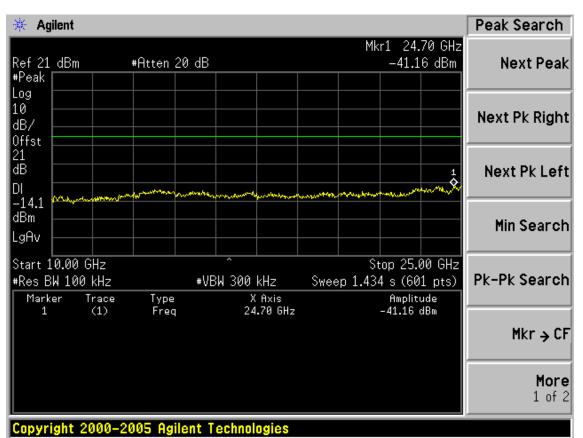
In any 100kHz bandwidth outside the frequency bands in which the spread spectrum intentional radiator in operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power.

5.3.Test Procedure

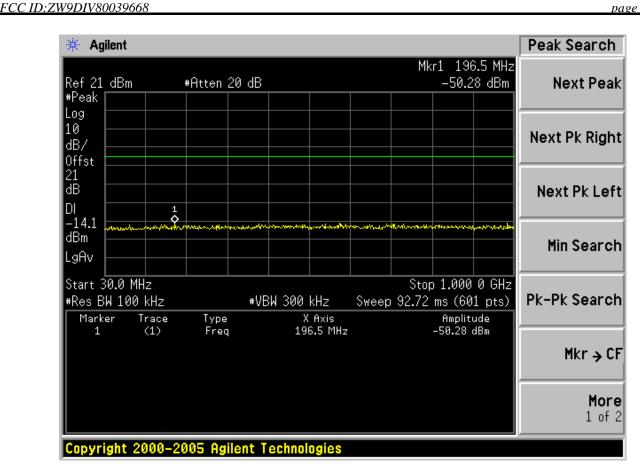
The transmitter output was connected to a spectrum analyzer, The resolution bandwidth is set to 100 kHz, The video bandwidth is set to 300 kHz and measure all the emissions detected.

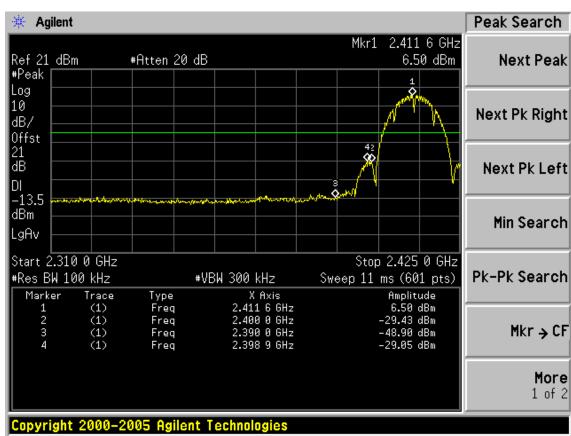


5-2 FCC ID:ZW9DIV80039668 **Conducted emission test data:** Test Mode: IEEE 802.11b Test CH1: 2412MHz 🔆 Agilent Peak Search Mkr1 2.410 GHz 5.95 dBm Ref 21 dBm #Atten 20 dB **Next Peak** #Peak Log ô 10 Next Pk Right dB/ Offst 21 dB Next Pk Left DI -14.1 dBm Min Search LgAv Start 1.000 GHz Stop 10.000 GHz Pk-Pk Search #Res BW 100 kHz #VBW 300 kHz Sweep 860.2 ms (601 pts) X Axis 2.410 GHz Amplitude 5.95 dBm Marker Trace Type Freq Mkr → CF More 1 of 2 Copyright 2000-2005 Agilent Technologies

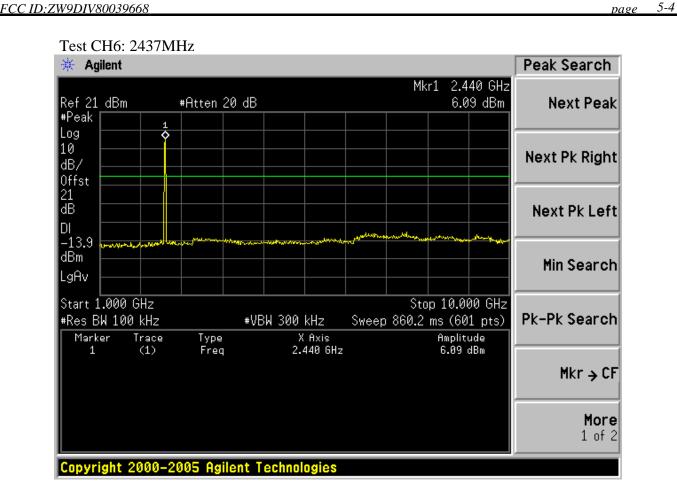


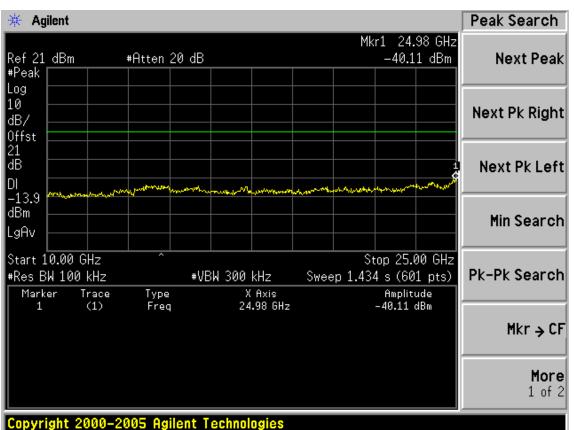








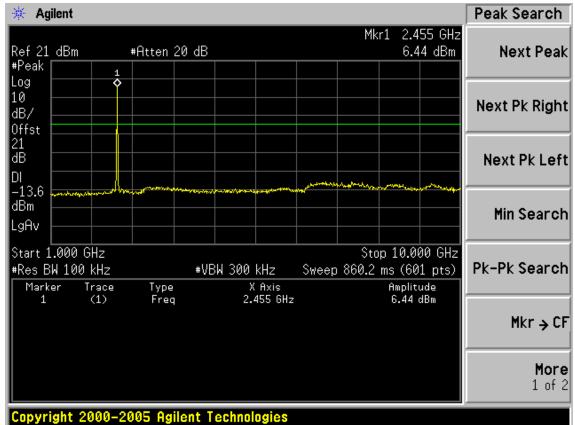




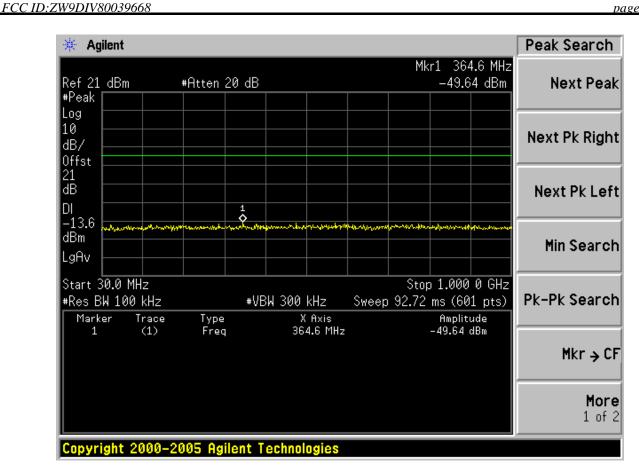


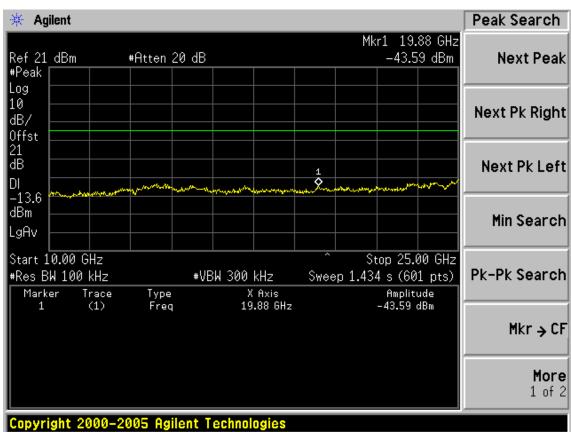
FCC ID:ZW9DIV80039668 page 🔆 Agilent Peak Search Mkr1 736.5 MHz -50.19 dBm Ref 21 dBm #Atten 20 dB Next Peak #Peak Log 10 Next Pk Right dB/ Offst 21 dB Next Pk Left DI -13.9 dBm Min Search LgAv Start 30.0 MHz Stop 1.000 0 GHz #Res BW 100 kHz Pk-Pk Search #VBW 300 kHz Sweep 92.72 ms (601 pts) X Axis 736.5 MHz Amplitude -50.19 dBm Marker Trace Type (1) Freq Mkr → CF More 1 of 2 Copyright 2000-2005 Agilent Technologies



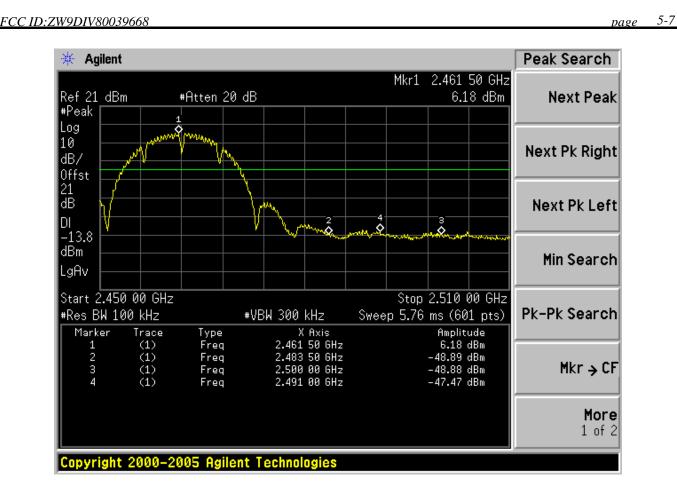




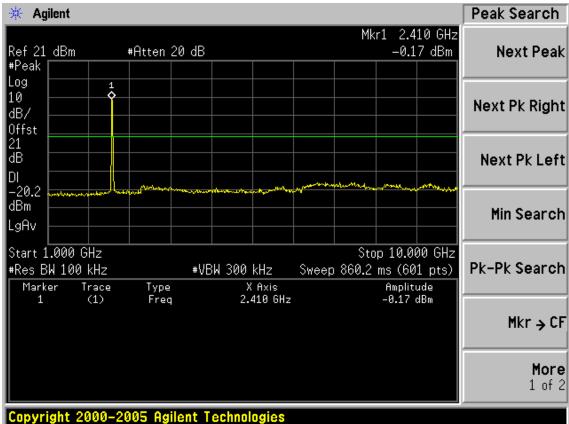




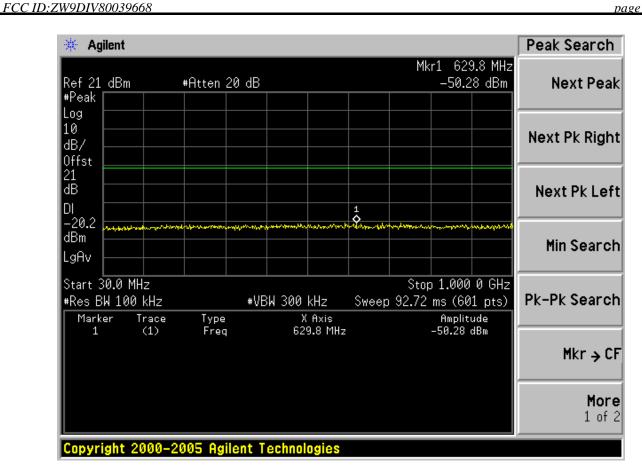


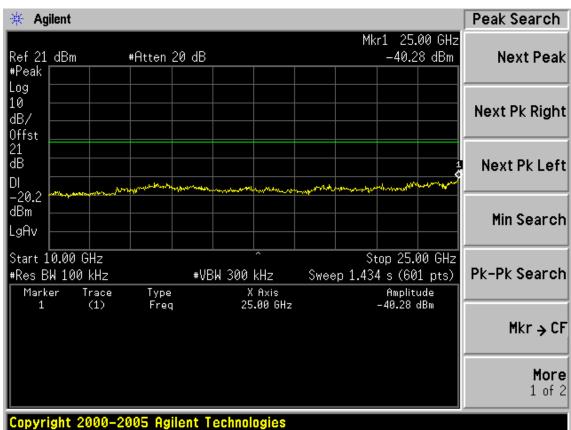


Test Mode: IEEE 802.11g Test CH1: 2412MHz



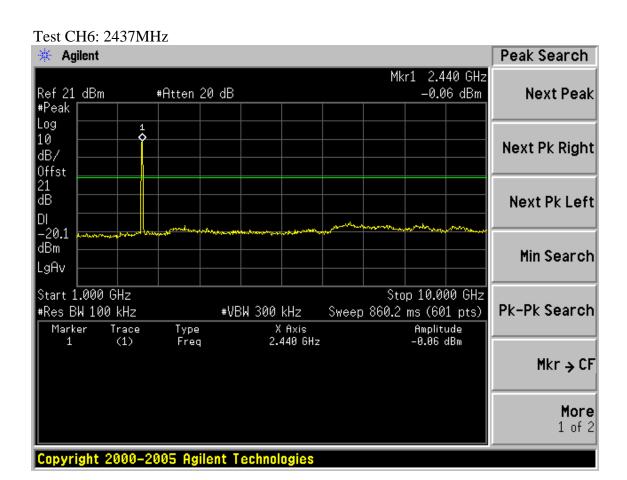




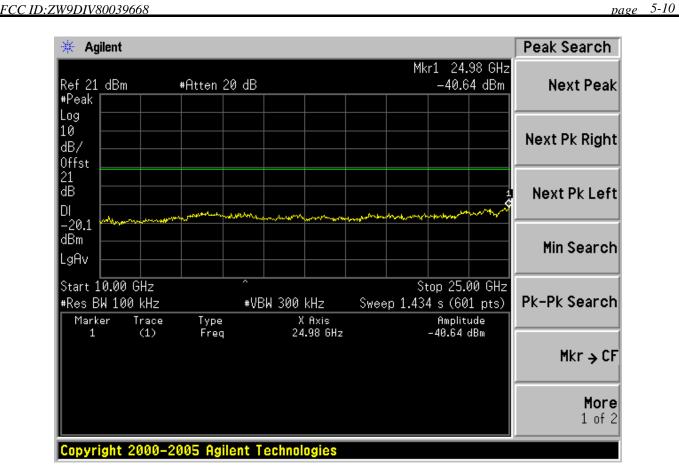


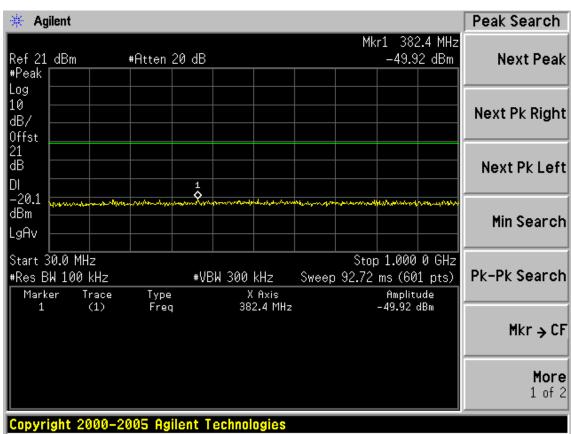


FCC ID:ZW9DIV80039668 Peak Search 🔆 Agilent Mkr1 2.407 4 GHz 0.02 dBm Ref 21 dBm #Atten 20 dB Next Peak #Peak Log 1 **Q** 10 Next Pk Right dB/ Offst 21 dB Next Pk Left DI -20.0dBm Min Search LgAv Stop 2.425 0 GHz Start 2.310 0 GHz #Res BW 100 kHz Pk-Pk Search #VBW 300 kHz Sweep 11 ms (601 pts) X Axis 2.407 4 GHz 2.390 0 GHz Marker Trace Type Amplitude (1) (1) 0.02 dBm -43.02 dBm Freq Freq 2 -27.25 dBm -32.02 dBm (1) (1) 2.400 0 GHz 2.395 5 GHz Mkr → CF Freq Freq More 1 of 2 Copyright 2000-2005 Agilent Technologies



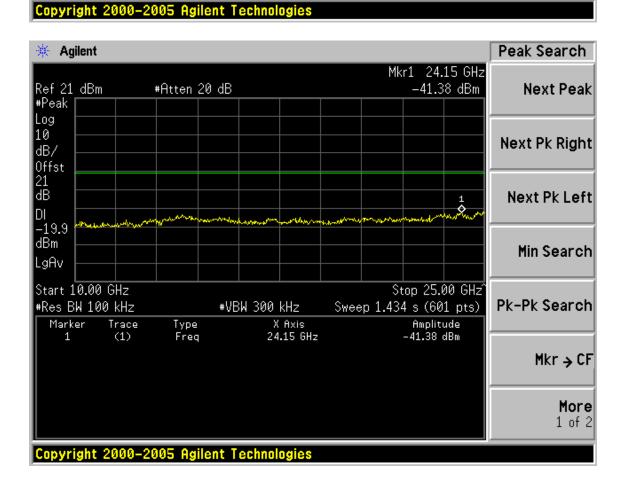




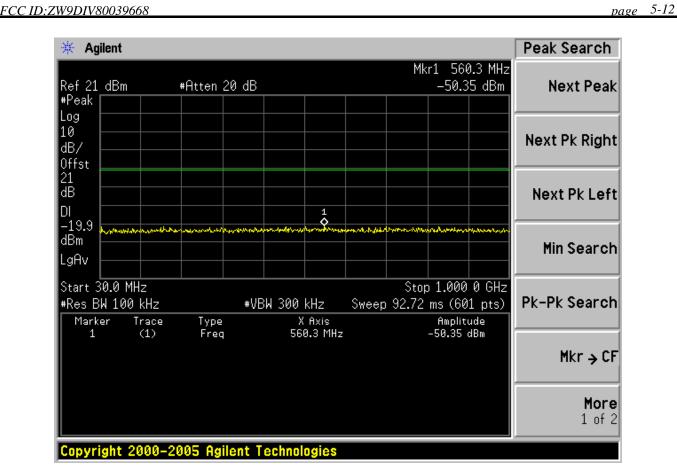


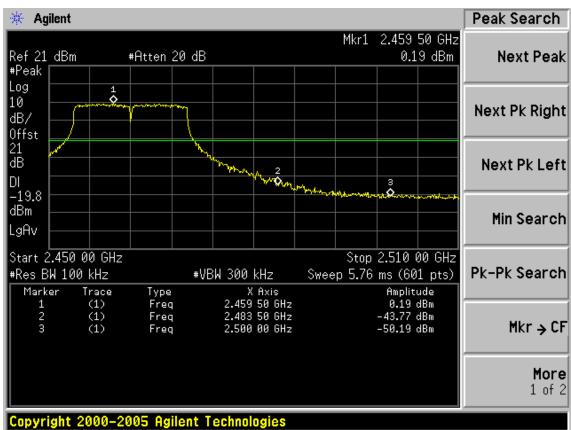


<u>page</u> 5-11 *FCC ID:ZW9DIV80039668* Test CH11: 2462MHz 🔆 Agilent Peak Search Mkr1 2.455 GHz 0.08 dBm Ref 21 dBm #Atten 20 dB **Next Peak** #Peak Log 0 10 Next Pk Right dB/ Offst 21 dB Next Pk Left DI -19.9 dBm Min Search LgAv Start 1.000 GHz Stop 10.000 GHz Pk-Pk Search #Res BW 100 kHz #VBW 300 kHz Sweep 860.2 ms (601 pts) X Axis 2.455 GHz Amplitude 0.08 dBm Marker Trace Type Freq Mkr → CF More 1 of 2



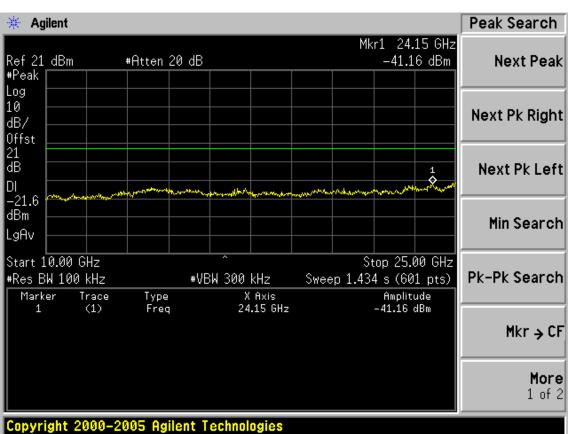




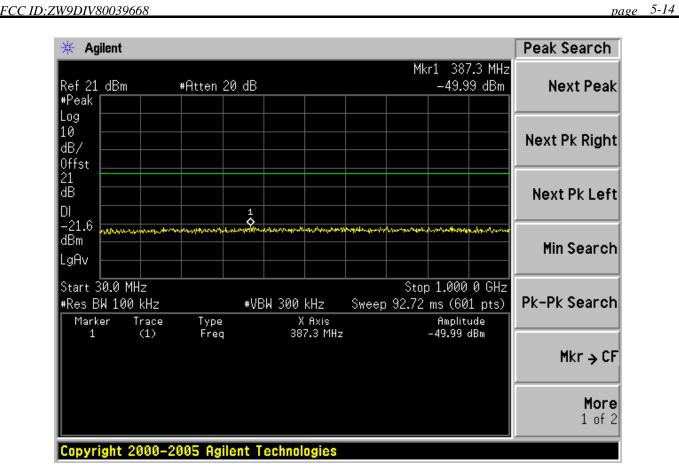


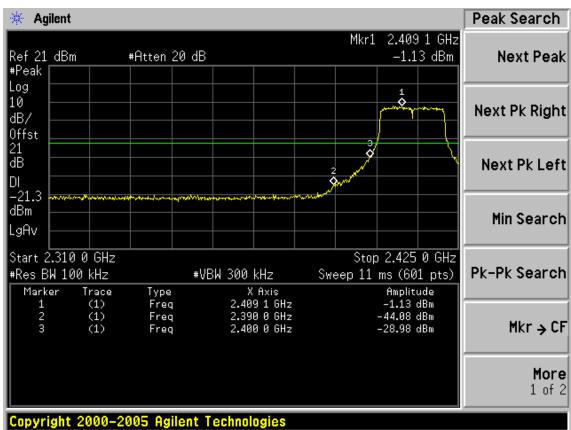


<u>page</u> 5-13 FCC ID:ZW9DIV80039668 Test Mode: IEEE 802.11n HT20 Test CH1: 2412MHz 🔆 Agilent Peak Search Mkr1 2.410 GHz -1.57 dBm Ref 21 dBm #Atten 20 dB **Next Peak** #Peak Log 10 Next Pk Right dB/ Offst 21 dB Next Pk Left DI -21.6 dBm Min Search LgAv Start 1.000 GHz Stop 10.000 GHz Pk-Pk Search #Res BW 100 kHz #VBW 300 kHz Sweep 860.2 ms (601 pts) X Axis 2.410 GHz Amplitude -1.57 dBm Marker Trace Type Freq Mkr → CF More 1 of 2 Copyright 2000-2005 Agilent Technologies



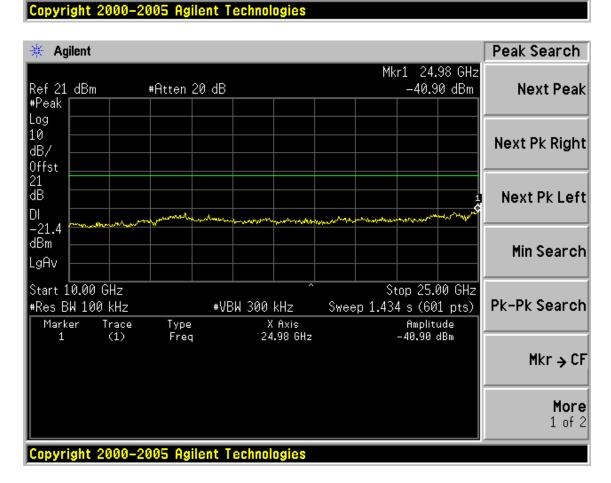






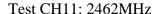


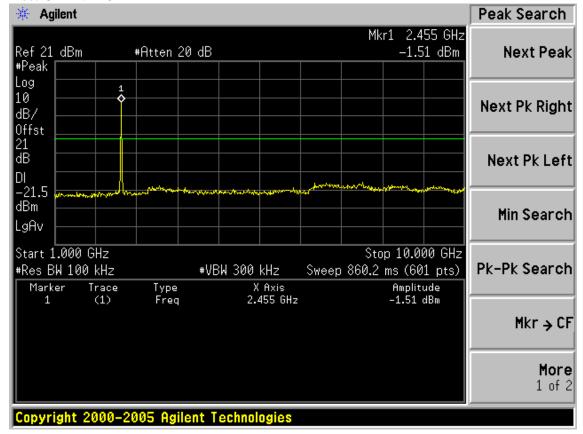
<u>page</u> <u>5</u>-15 *FCC ID:ZW9DIV80039668* Test CH6: 2437MHz 🔆 Agilent Peak Search Mkr1 2.440 GHz -1.37 dBm Ref 21 dBm #Atten 20 dB **Next Peak** #Peak Log 10 Next Pk Right dB/ Offst 21 dB Next Pk Left DI -21.4 dBm Min Search LgAv Start 1.000 GHz Stop 10.000 GHz Pk-Pk Search #Res BW 100 kHz #VBW 300 kHz Sweep 860.2 ms (601 pts) X Axis 2.440 GHz Amplitude -1.37 dBm Marker Trace Type Freq Mkr → CF More 1 of 2



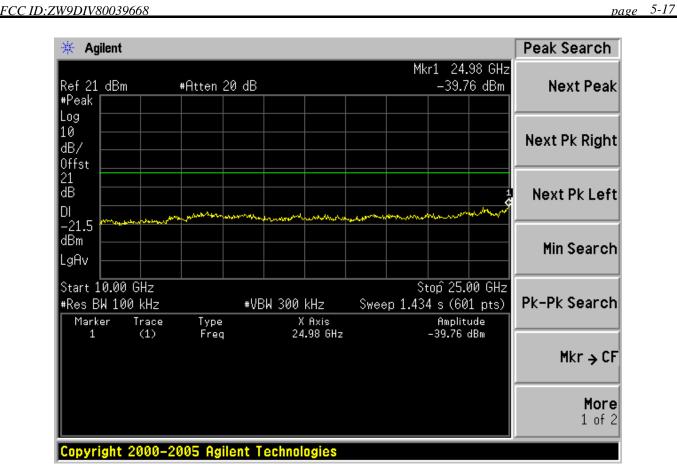


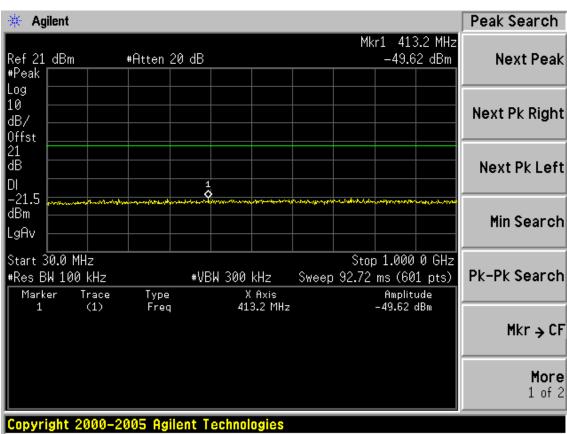
<u>page</u> 5-16 FCC ID:ZW9DIV80039668 🔆 Agilent Peak Search Mkr1 561.9 MHz -48.94 dBm Ref 21 dBm #Atten 20 dB Next Peak #Peak Log 10 Next Pk Right dB/ Offst 21 dB Next Pk Left DI 1 0 -21.4 dBm Min Search LgAv Start 30.0 MHz Stop 1.000 0 GHz #Res BW 100 kHz Pk-Pk Search #VBW 300 kHz Sweep 92.72 ms (601 pts) X Axis 561.9 MHz Amplitude -48.94 dBm Marker Trace Type (1) Freq Mkr → CF More 1 of 2 Copyright 2000-2005 Agilent Technologies



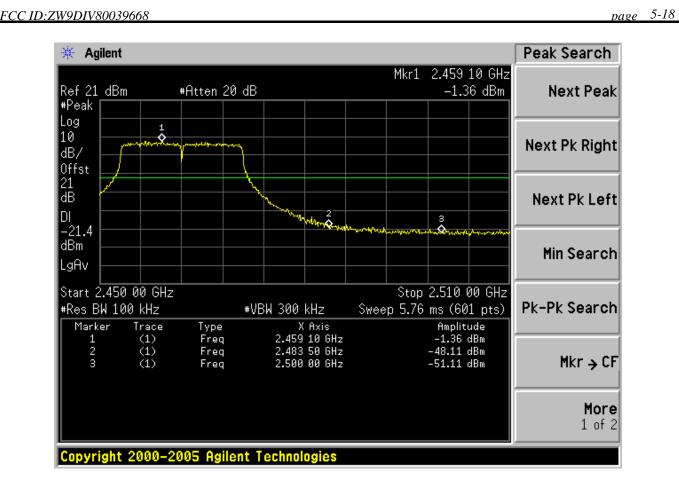






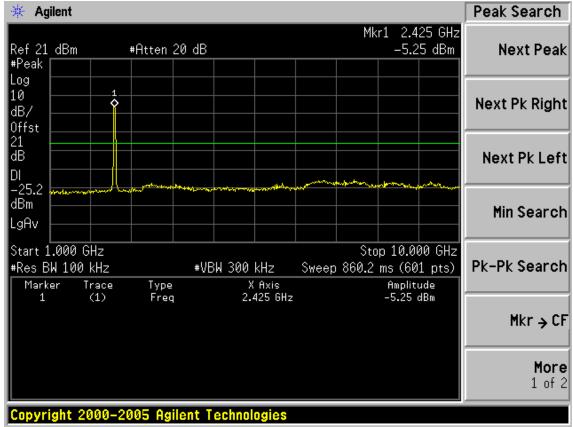




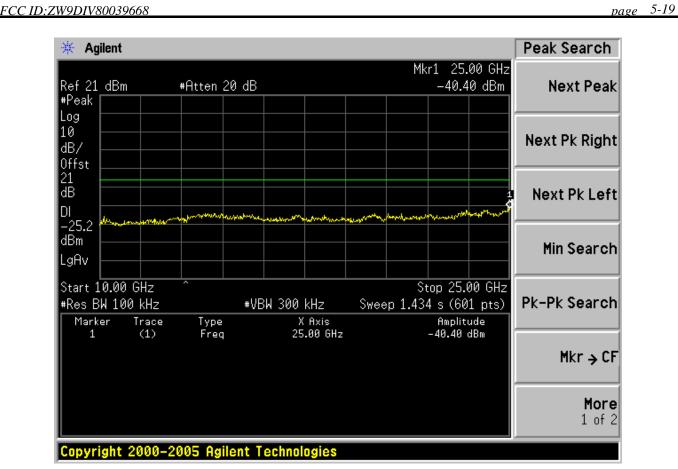


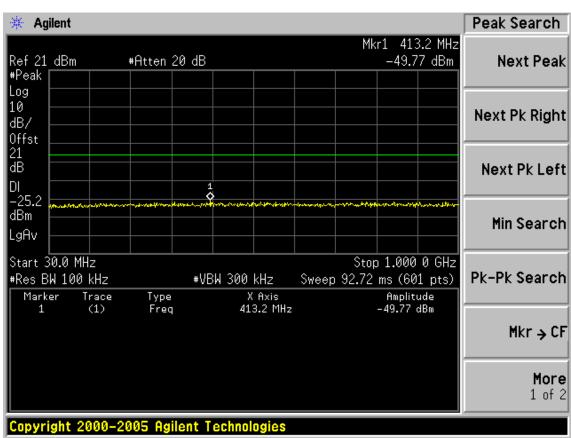
Test Mode: IEEE 802.11n HT40

Test CH1: 2422MHz





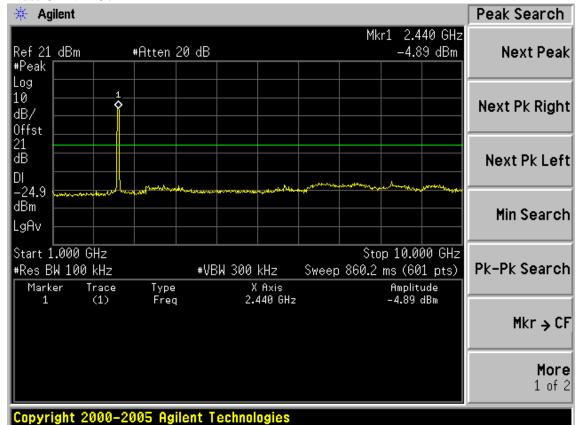




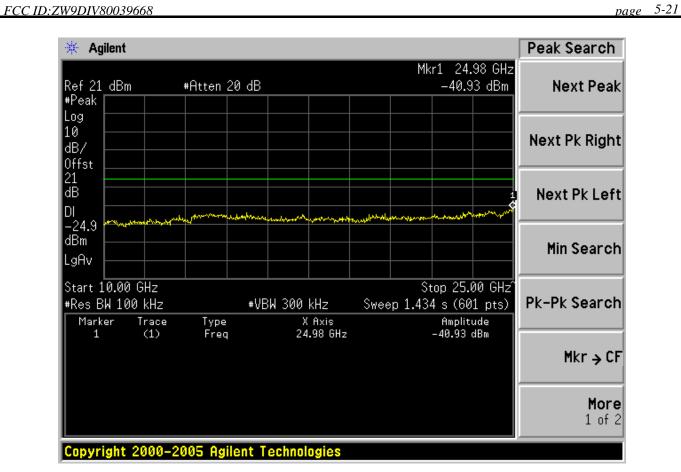


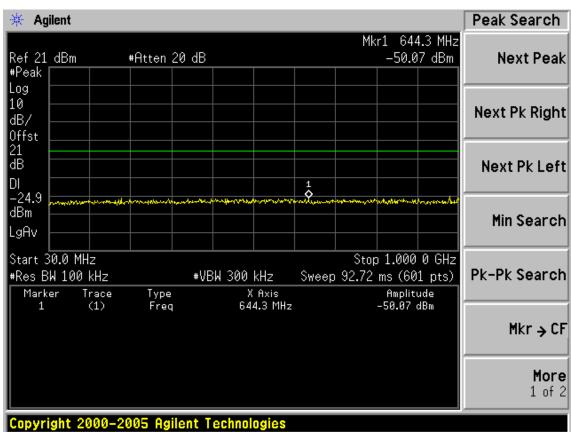
<u>page</u> 5-20 FCC ID:ZW9DIV80039668 🔆 Agilent Peak Search Mkr1 2.414 3 GHz -4.84 dBm Ref 21 dBm #Atten 20 dB Next Peak #Peak Log 1 • 10 Next Pk Right dB/ Offst 21 dB Next Pk Left 2 DI -24.8 dBm Min Search LgAv Start 2.310 0 GHz Stop 2.450 0 GHz Pk-Pk Search #Res BW 100 kHz #VBW 300 kHz Sweep 13.4 ms (601 pts) Marker Trace Type X Axis Amplitude 2.414 3 GHz 2.390 0 GHz (1) (1) Freq -4.84 dBm 2 Freq -44.84 dBm (1) (1) -31.93 dBm Mkr → CF Freq 2.400 0 GHz 2.398 7 GHz -32.25 dBm Freq More 1 of 2 Copyright 2000-2005 Agilent Technologies





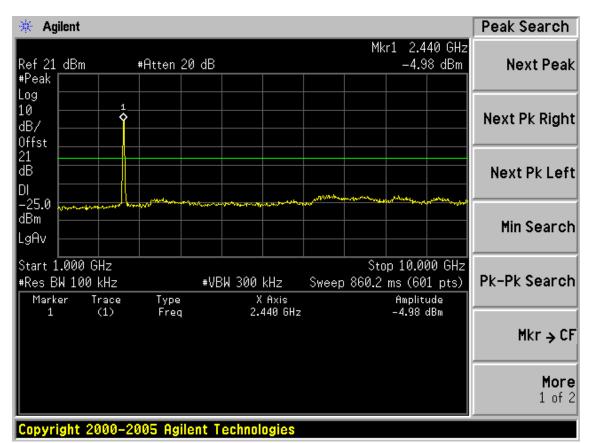




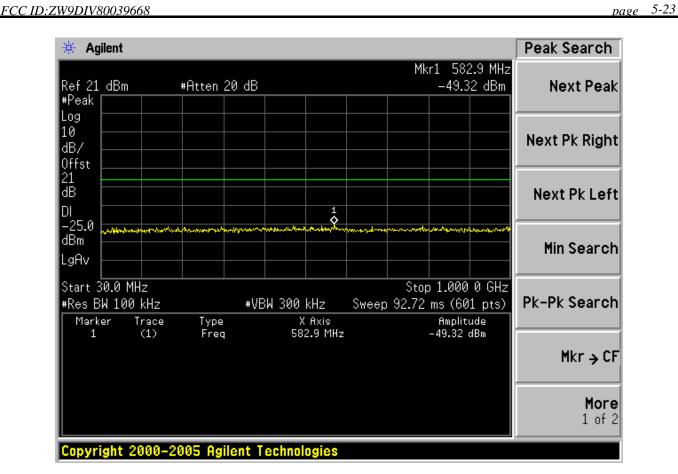


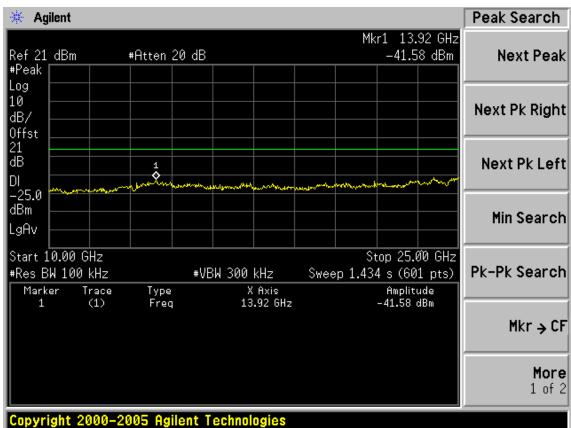


<u>page</u> <u>5</u>-22 FCC ID:ZW9DIV80039668 Test CH7: 2452MHz Agilent Peak Search Mkr1 2.435 33 GHz -4.32 dBm #Atten 20 dB Ref 21 dBm **Next Peak** #Peak Log 10 **Q** Next Pk Right dB/ Offst 21 dΒ Next Pk Left DI -24.3 dBm Min Search LgAv Start 2.430 00 GHz Stop 2.510 00 GHz #Res BW 100 kHz Pk-Pk Search #VBW 300 kHz Sweep 7.68 ms (601 pts) X Axis 2.435 33 GHz 2.483 50 GHz 2.500 00 GHz Marker Trace Type Amplitude -4.32 dBm -44.90 dBm -47.63 dBm (1) (1) (1) Freq Freq 2 Mkr → CF Freq More 1 of 2 Copyright 2000-2005 Agilent Technologies











FCC ID: ZW9DIV80039668 page 6-1

6. BAND EDGE COMPLIANCE TEST

6.1.Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum Analyzer	Agilent	E4446A	US44300459	May.08,11	1 Year
2.	Horn Antenna	EMCO	3115	9607-4877	May.25, 11	1.5 Year
3.	Amplifier	Agilent	8449B	3008A02495	May.08, 11	1 Year
4.	RF Cable	Hubersuhner	SUCOFLEX102	28620/2	May.08,11	1 Year
5.	RF Cable	Hubersuhner	SUCOFLEX102	28618/2	May.08,11	1 Year
6.	RF Cable	Hubersuhner	SUCOFLEX102	28610/2	May.08,11	1 Year

6.2.Limit

All the lower and upper band-edges emissions appearing within 2310MHz to 2390MHz and 2483.5MHz to 2500MHz restricted frequency bands shall not exceed the limits shown in 15.209, all the other emissions outside operation frequency band 2400MHz to 2483.5MHz shall be at least 20dB below the fundamental emissions, or comply with 15.209 limits.

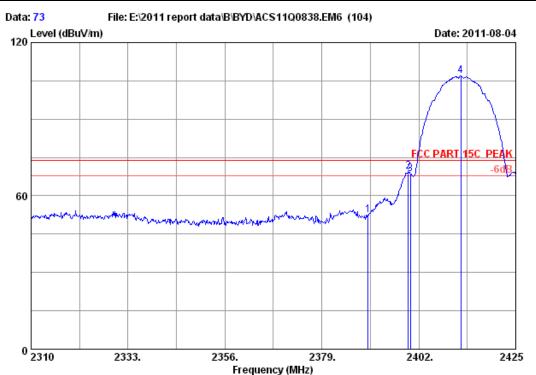
6.3. Test Produce

- 1. The EUT is placed on a turntable, which is 0.8m above the ground plane and worked at highest radiated power.
- 2. The turntable was rotated for 360 degrees to determine the position of maximum emission level.
- 3. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emission.
- 4. Set the spectrum analyzer in the following setting in order to capture the lower and upper band-edges of the emission:
- (a) PEAK: RBW=1MHz; VBW=3MHz ; Sweep=AUTO
- (b) AVERAGE: RBW=1MHz; VBW=10Hz; Sweep=AUTO

6.4. Test Results

Pass (The testing data was attached in the next pages.)





Site no. : 3m Chamber Data no. : 73

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL

Limit : FCC PART 15C PEAK

Env. / Ins. : 23 *C/54% Engineer : Leo-Li

EUT : Tablet PC

Power : DC 19V From Adapter input AC 120V/60Hz

Test mode : IEEE802.11b CH1 2412MHz Tx

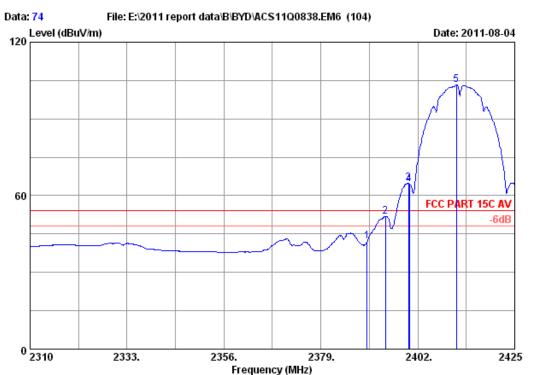
M/N : T10COT

	-	Factor	loss		Reading	Emission Level (dBuV/m)		_	Remark	
1	2390.000	27.96	6.72	34.44	52.20	52.44	74.00	21.56	Peak	
2	2399.470	27.96	6.75	34.44	69.11	69.38	74.00	4.62	Peak	
3	2400.000	27.96	6.75	34.44	68.35	68.62	74.00	5.38	Peak	
4	2412.005	5 27.98	6.78	34.44	106.79	107.11	74.00	-33.11	Peak	

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.







Site no. : 3m Chamber Dis. / Ant. : 3m 2011 3 Data no. : 74

2011 3115 4580 Ant. pol. : VERTICAL

: FCC PART 15C AV Limit

Env. / Ins. : 23*C/54% Engineer : Leo-Li

: Tablet PC

Power : DC 19V From Adapter input AC 120V/60Hz

Test mode : IEEE802.11b CH1 2412MHz Tx

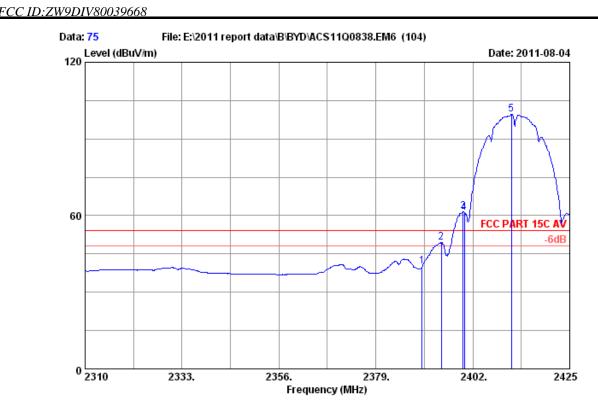
M/N : T10COT

	Freq. Factor	loss Factor	Reading (dBuV)	Lmission Level (dBuV/m)	Limits Margin (dBuV/m) (dB)	Remark
1	2390.000 27.96	6.72 34.44	41.77	42.01	54.00 11.99	Average
2	2394.295 27.96	6.75 34.44	51.55	51.82	54.00 2.18	Average
3	2399.815 27.96	6.75 34.44	64.66	64.93	54.00 -10.93	Average
4	2400.000 27.96	6.75 34.44	64.20	64.47	54.00 -10.47	Average
5	2411.200 27.98	6.78 34.44	102.96	103.28	54.00 -49.28	Average

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.

6-4

page



Site no. : 3m Chamber Data no. : 75

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL

Limit : FCC PART 15C AV

Env. / Ins. : 23*C/54% Engineer : Leo-Li

: Tablet PC EUT

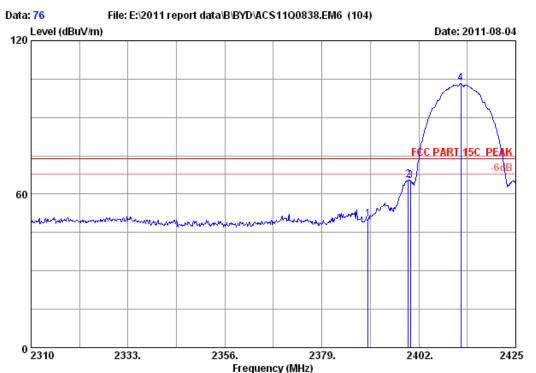
: DC 19V From Adapter input AC 120V/60Hz

Power
Test mode : IEEE802
: T10COT : IEEE802.11b CH1 2412MHz Tx

	-	Ant. Factor (dB/m)	Cable loss (dB)	•	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	_	Remark
1	2390.000	27.96	6.72	34.44	39.84	40.08	54.00	13.92	Average
2	2394.525	27.96	6.75	34.44	49.11	49.38	54.00	4.62	Average
3	2399.700	27.96	6.75	34.44	61.28	61.55	54.00	-7.55	Average
4	2400.000	27.96	6.75	34.44	60.76	61.03	54.00	-7.03	Average
5	2411.200	27.98	6.78	34.44	99.24	99.56	54.00 -	45.56	Average

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.





Site no. : 3m Chamber Data no. : 76

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL

Limit : FCC PART 15C PEAK

Env. / Ins. : 23*C/54% Engineer : Leo-Li

EUT : Tablet PC

Power : DC 19V From Adapter input AC 120V/60Hz

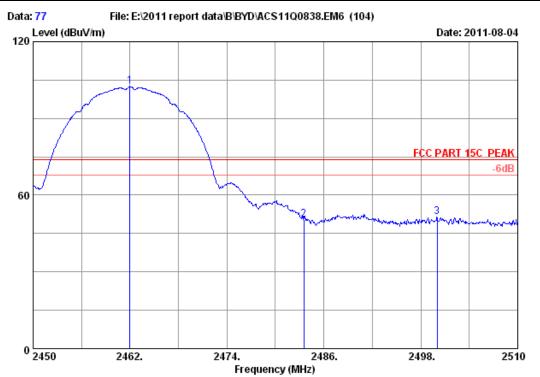
Test mode : IEEE802.11b CH1 2412MHz Tx

M/N : T10COT

	-		loss		Reading (dBuV)			Margin) (dB)	Remark
1	2390.000	27.96	6.72	34.44	50.02	50.26	74.00	23.74	Peak
2	2399.470	27.96	6.75	34.44	65.36	65.63	74.00	8.37	Peak
3	2400.000	27.96	6.75	34.44	64.78	65.05	74.00	8.95	Peak
4	2412.005	27.98	6.78	34.44	102.82	103.14	74.00	-29.14	Peak

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.





Site no. : 3m Chamber Data no. : 77

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL

Limit : FCC PART 15C PEAK

Env. / Ins. : 23*C/54% Engineer : Leo-Li

EUT : Tablet PC

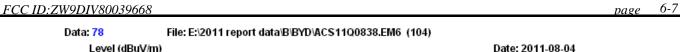
Power : DC 19V From Adapter input AC 120V/60Hz

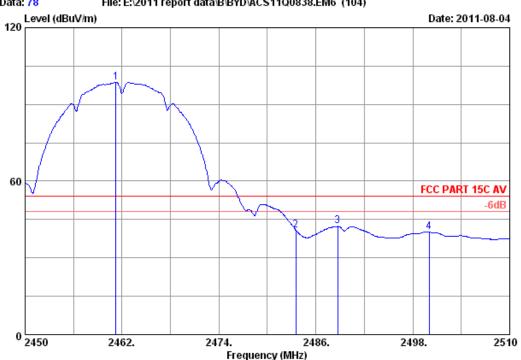
Test mode : IEEE802.11b CH11 2462MHz Tx

M/N : T10COT

		Ant.	Cable	Amp.		Emission		
	Freq.	Factor	loss	Factor	Reading	Level	Limits Margin	Remark
	(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m) (dB)	
1	2462.000	28.05	6.84	34.44	102.00	102.45	74.00 -28.45	Peak
2	2483.500	28.08	6.90	34.45	49.92	50.45	74.00 23.55	Peak
3	2500.000	28.10	6.90	34.45	50.94	51.49	74.00 22.51	Peak

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.





Site no. : 3m Chamber Data no. : 78

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL

Limit : FCC PART 15C AV

Env. / Ins. : 23*C/54% Engineer : Leo-Li

EUT : Tablet PC

Power : DC 19V From Adapter input AC 120V/60Hz

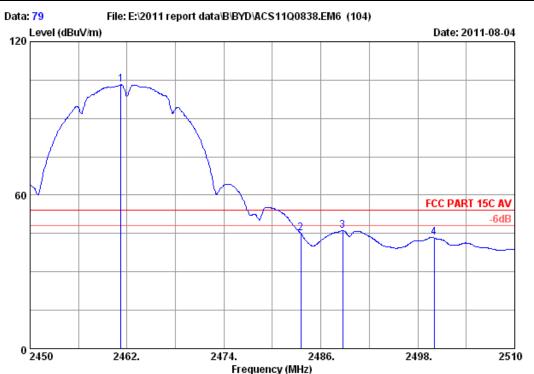
Test mode : IEEE802.11b CH11 2462MHz Tx

M/N : T10COT

_	Freq. (MHz)			Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits Margin (dBuV/m) (dB)	Remark
2 2 3 2	461.220 483.500 488.700 500.000	28.10	6.90 6.90	34.44 34.45 34.45 34.45	98.25 40.40 41.73 39.50	98.70 40.93 42.28 40.05	54.00 -44.70 54.00 13.07 54.00 11.72 54.00 13.95	Average Average Average Average

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.





Site no. : 3m Chamber Data no. : 79

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL

Limit : FCC PART 15C AV

Env. / Ins. : 23*C/54% Engineer : Leo-Li

EUT : Tablet PC

Power : DC 19V From Adapter input AC 120V/60Hz

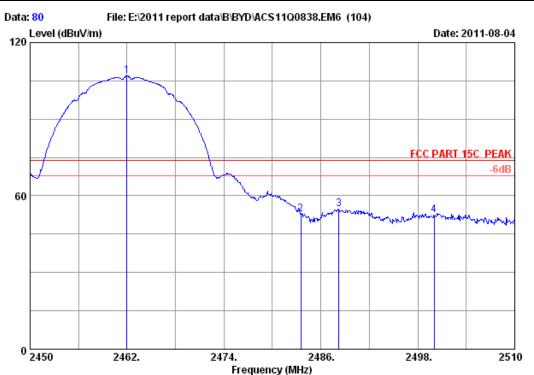
Test mode : IEEE802.11b CH11 2462MHz Tx

M/N : T10COT

	Ant. Freq. Factor (MHz) (dB/m)		Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits Ma	_	Remark
2 3		6.90	34.45 34.45	102.69 44.57 45.56 42.74	103.14 45.10 46.11 43.29	54.00	9.14 8.90 7.89 0.71	Average Average Average Average

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.





Site no. : 3m Chamber Data no. : 80

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL

Limit : FCC PART 15C PEAK

Env. / Ins. : 23 *C/54% Engineer : Leo-Li

EUT : Tablet PC

Power : DC 19V From Adapter input AC 120V/60Hz

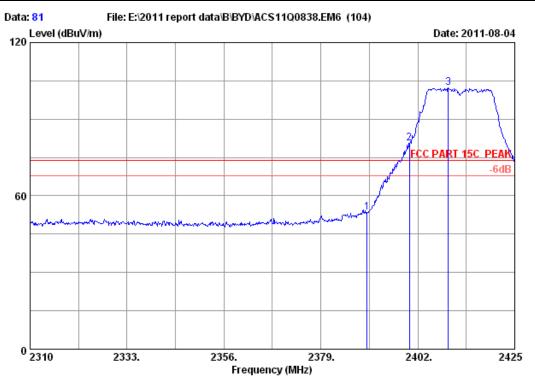
Test mode : IEEE802.11b CH11 2462MHz Tx

M/N : T10COT

		nt. Cable ctor loss B/m) (dB) 	Factor				_	Remark
1	2462.000 2	8.05 6.84	34.44	106.41	106.86	74.00 -	32.86	Peak
2	2483.500 2	8.08 6.90	34.45	52.33	52.86	74.00	21.14	Peak
3	2488.220 2	8.10 6.90	34.45	54.18	54.73	74.00	19.27	Peak
4	2500.000 2	8.10 6.90	34.45	51.90	52.45	74.00	21.55	Peak

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.





Site no. : 3m Chamber Data no. : 81

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL

Limit : FCC PART 15C PEAK

Env. / Ins. : 23 *C/54% Engineer : Leo-Li

EUT : Tablet PC

Power : DC 19V From Adapter input AC 120V/60Hz

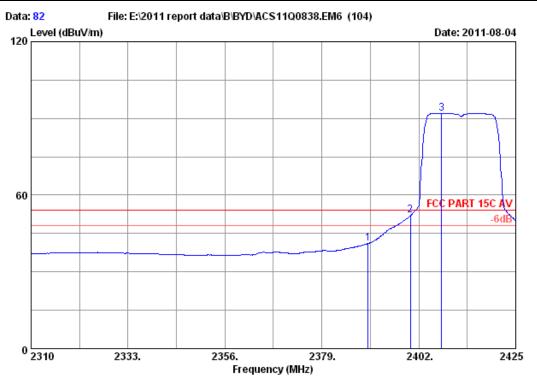
Test mode : IEEE802.11g CH1 2412MHz Tx

M/N : T10COT

	Ant. Freq. Factor (MHz) (dB/m)		Reading (dBuV)		Limits Margin (dBuV/m) (dB)	Remark
2	2390.000 27.96 2400.000 27.96 2409.245 27.98	6.75 34.44	53.26 80.20 101.89	53.50 80.47 102.18	74.00 20.50 74.00 -6.47 74.00 -28.18	Peak Peak Peak

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.





Site no. : 3m Chamber Data no. : 82

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL

Limit : FCC PART 15C AV

Env. / Ins. : 23*C/54% Engineer : Leo-Li

EUT : Tablet PC

Power : DC 19V From Adapter input AC 120V/60Hz

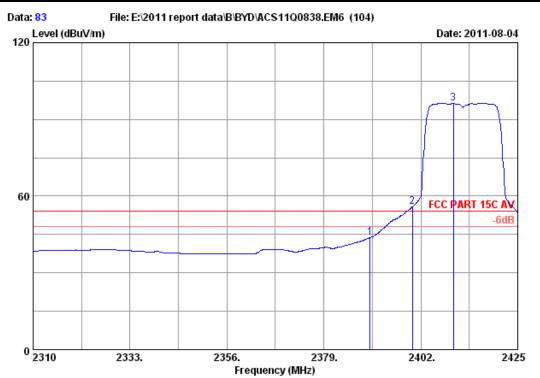
Test mode : IEEE802.11g CH1 2412MHz Tx

M/N : T10COT

		Ant.	Cable	Amp.		Emission			
	Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
	(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m) (dB)	
1	2390.000	27.96	6.72	34.44	40.86	41.10	54.00	12.90	Average
2	2400.000	27.96	6.75	34.44	51.86	52.13	54.00	1.87	Average
3	2407.409	5 27.98	6.75	34.44	91.78	92.07	54.00	-38.07	Average

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.





Site no. : 3m Chamber Data no. : 83

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL

Limit : FCC PART 15C AV

Env. / Ins. : 23*C/54% Engineer : Leo-Li

EUT : Tablet PC

Power : DC 19V From Adapter input AC 120V/60Hz

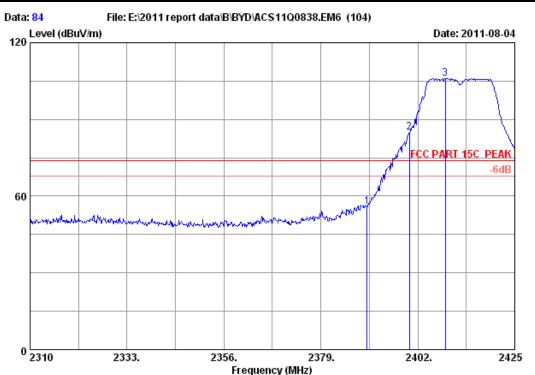
Test mode : IEEE802.11g CH1 2412MHz Tx

M/N : T10COT

		Ant.	Cable	Amp.		Emission		
	Freq.	Factor	loss	Factor	Reading	Level	Limits Margin	Remark
	(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m) (dB)	
1	2390.000	27.96	6.72	34.44	43.54	43.78	54.00 10.22	Average
2	2400.000	27.96	6.75	34.44	55.67	55.94	54.00 -1.94	Average
3	2409.70	5 27.98	6.75	34.44	95.96	96.25	54.00 -42.25	Average

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.





Site no. : 3m Chamber Data no. : 84

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL

Limit : FCC PART 15C PEAK

Env. / Ins. : 23*C/54% Engineer : Leo-Li

EUT : Tablet PC

Power : DC 19V From Adapter input AC 120V/60Hz

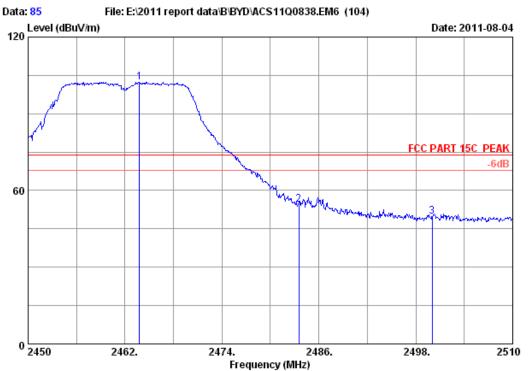
Test mode : IEEE802.11g CH1 2412MHz Tx

M/N : T10COT

		Ant.	Cable	Amp.		Emission		
	Freq.	Factor	loss	Factor	Reading	Level	Limits Margin	Remark
	(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m) (dB)	
1	2390.000	27.96	6.72	34.44	55.72	55.96	74.00 18.04	Peak
2	2400.000	27.96	6.75	34.44	84.57	84.84	74.00 -10.84	Peak
3	2408.55	5 27.98	6.75	34.44	105.72	106.01	74.00 -32.01	Peak

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.





Site no. : 3m Chamber Data no.: 85

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL

Limit : FCC PART 15C PEAK

Env. / Ins. : 23*C/54% Engineer : Leo-Li

EUT : Tablet PC

Power : DC 19V From Adapter input AC 120V/60Hz

Test mode : IEEE802.11g CH11 2462MHz Tx

M/N : T10COT

	-	Factor	loss		_		Limits Margin (dBuV/m) (dB)	Remark
2	2463.800 2483.500	28.08	6.90	34.45	54.11	102.33 54.64	74.00 -28.33 74.00 19.36	Peak Peak
3	2500.000	28.10	6.90	34.45	49.34	49.89	74.00 24.11	Peak

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.





Site no. : 3m Chamber Data no. : 86

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL

Limit : FCC PART 15C AV

Env. / Ins. : 23*C/54% Engineer : Leo-Li

EUT : Tablet PC

Power : DC 19V From Adapter input AC 120V/60Hz

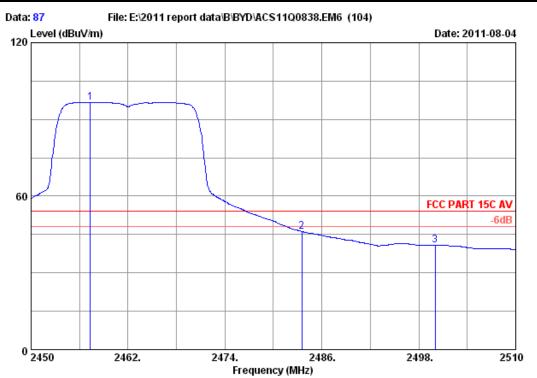
Test mode : IEEE802.11g CH11 2462MHz Tx

M/N : T10COT

		Ant.	Cable	Amp.		Emission		
	Freq.	Factor	loss	Factor	Reading	Level	Limits Margin	Remark
	(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m) (dB)	
1	2466.200	28.05	6.87	34.45	92.25	92.72	54.00 -38.72	Average
2	2483.500	28.08	6.90	34.45	42.38	42.91	54.00 11.09	Average
3	2500.000	28.10	6.90	34.45	38.00	38.55	54.00 15.45	Average

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.





Site no. : 3m Chamber Data no. : 87

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL

Limit : FCC PART 15C AV

Env. / Ins. : 23*C/54% Engineer : Leo-Li

EUT : Tablet PC

Power : DC 19V From Adapter input AC 120V/60Hz

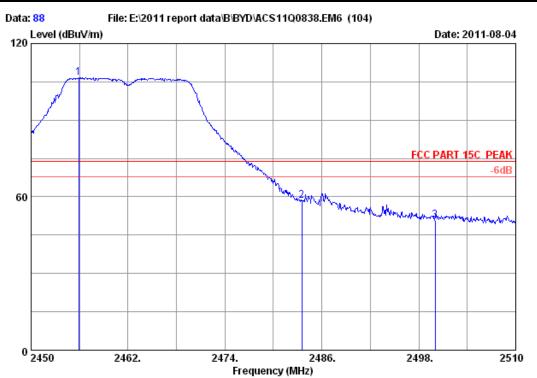
Test mode : IEEE802.11g CH11 2462MHz Tx

M/N : T10COT

		Ant.	Cable	Amp.		Emission			
	Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
	(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2457.320	28.05	6.84	34.44	96.28	96.73	54.00 -	-42.73	Average
2	2483.500	28.08	6.90	34.45	45.68	46.21	54.00	7.79	Average
3	2500.000	28.10	6.90	34.45	40.18	40.73	54.00	13.27	Average

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.





Site no. : 3m Chamber Data no. : 88

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL

Limit : FCC PART 15C PEAK

Env. / Ins. : 23 *C/54% Engineer : Leo-Li

EUT : Tablet PC

Power : DC 19V From Adapter input AC 120V/60Hz

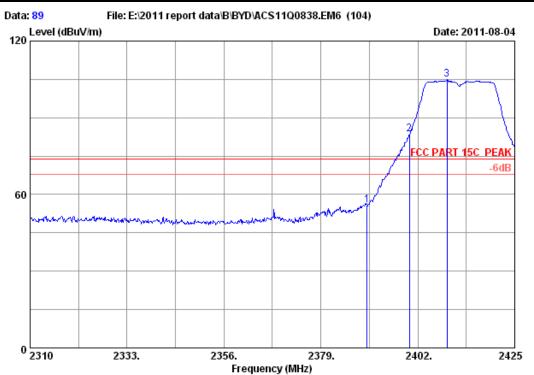
Test mode : IEEE802.11g CH11 2462MHz Tx

M/N : T10COT

			Factor	Reading		Limits Margin (dBuV/m) (dB)	Remark	
1	2455.880 28.0	5 6.84	34.44	106.17	106.62	74.00 -32.62	Peak	
2	2483.500 28.0	8 6.90	34.45	57.81	58.34	74.00 15.66	Peak	
3	2500.000 28.1	0 6.90	34.45	50.41	50.96	74.00 23.04	Peak	

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.





Site no. : 3m Chamber Data no. : 89

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL

Limit : FCC PART 15C PEAK

Env. / Ins. : 23*C/54% Engineer : Leo-Li

EUT : Tablet PC

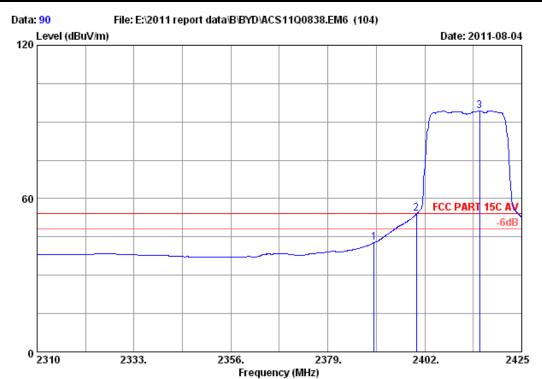
Power : DC 19V From Adapter input AC 120V/60Hz Test mode : IEEE802.11nHT20 CH1 2412MHz Tx

M/N : T10COT

	-	Factor	loss		_		Limits Margin (dBuV/m) (dB)	Remark
2 24	100.000	27.96 27.96 27.98	6.75	34.44	55.67 83.26 104.60	55.91 83.53 104.89	74.00 18.09 74.00 -9.53 74.00 -30.89	Peak Peak Peak

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.





Site no. : 3m Chamber Data no.: 90

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL

: FCC PART 15C AV Limit

Env. / Ins. : 23*C/54% Engineer : Leo-Li

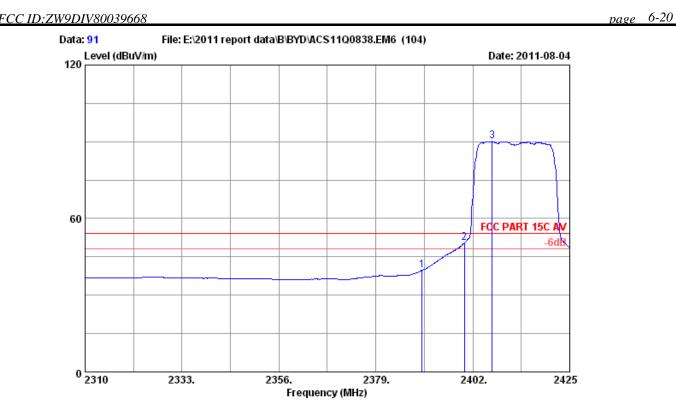
: Tablet PC EUT

Power
Test mode : IEEE802
: T10COT : DC 19V From Adapter input AC 120V/60Hz

: IEEE802.11nHT20 CH1 2412MHz Tx

	Ant. Freq. Factor (MHz) (dB/m)	Cable Amp. loss Factor (dB) (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits Margin (dBuV/m) (dB)	Remark
1	2390.000 27.96	6.75 34.44	42.59	42.83	54.00 11.17	Average
2	2400.000 27.96		53.85	54.12	54.00 -0.12	Average
3	2414.995 27.98		94.06	94.38	54.00 -40.38	Average

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 91

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL

Limit : FCC PART 15C AV

Env. / Ins. : 23*C/54% Engineer : Leo-Li

EUT : Tablet PC

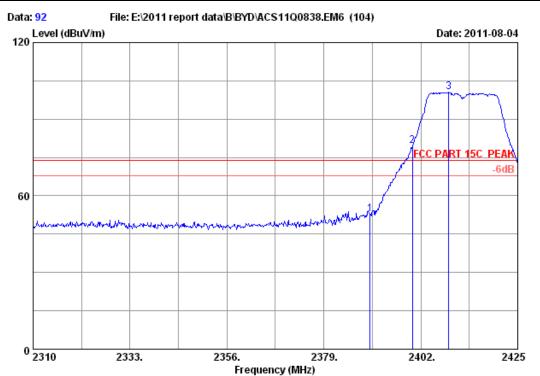
Power : DC 19V From Adapter input AC 120V/60Hz Test mode : IEEE802.11nHT20 CH1 2412MHz Tx

M/N : T10COT

	Ant. eq. Factor Hz) (dB/m)		Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits Margin (dBuV/m) (dB)	Remark
2 2400	.000 27.96 .000 27.96 .600 27.98	6.75	34.44	39.54 50.28 89.80	39.78 50.55 90.09	54.00 14.22 54.00 3.45 54.00 -36.09	Average Average Average

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.





Site no. : 3m Chamber Data no. : 92

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL

Limit : FCC PART 15C PEAK

Env. / Ins. : 23 *C/54% Engineer : Leo-Li

EUT : Tablet PC

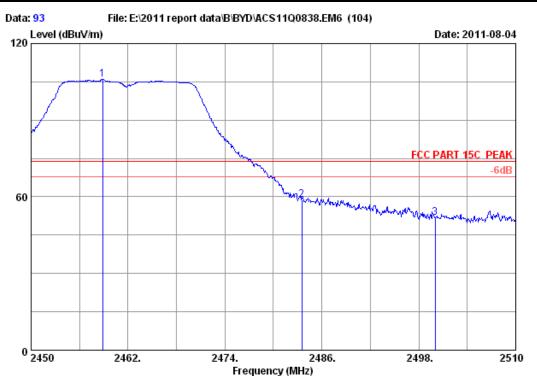
Power : DC 19V From Adapter input AC 120V/60Hz Test mode : IEEE802.11nHT20 CH1 2412MHz Tx

M/N : T10COT

	Freq. Factor		r Reading		Limits Margin (dBuV/m) (dB)	Remark
1	2390.000 27.96	6.72 34.44	52.58	52.82	74.00 21.18	Peak
2	2400.000 27.96	6.75 34.44	79.35	79.62	74.00 -5.62	Peak
3	2408.670 27.98	6.75 34.44	100.42	100.71	74.00 -26.71	Peak

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.





Site no. : 3m Chamber Data no. : 93

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL

Limit : FCC PART 15C PEAK

Env. / Ins. : 23 *C/54% Engineer : Leo-Li

EUT : Tablet PC

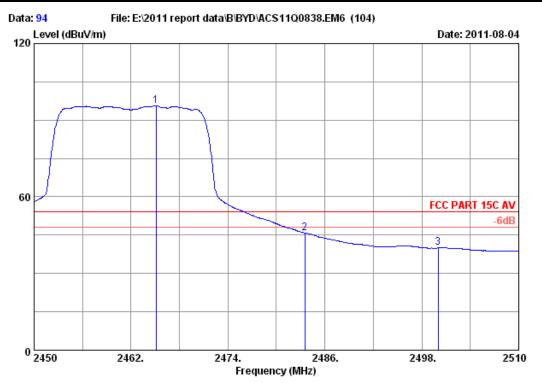
Power : DC 19V From Adapter input AC 120V/60Hz Test mode : IEEE802.11nHT20 CH11 2462MHz Tx

M/N : T10COT

	Freq. Factor		r Reading		Limits Margin (dBuV/m) (dB)	Remark
2	2458.880 28.05 2483.500 28.08 2500.000 28.10	6.90 34.45	58.36	105.90 58.89 51.83	74.00 -31.90 74.00 15.11 74.00 22.17	Peak Peak Peak

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.





Site no. : 3m Chamber Data no. : 94

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL

Limit : FCC PART 15C AV

Env. / Ins. : 23 *C/54% Engineer : Leo-Li

EUT : Tablet PC

Power : DC 19V From Adapter input AC 120V/60Hz Test mode : IEEE802.11nHT20 CH11 2462MHz Tx

M/N : T10COT

	Ant. Freq. Factor (MHz) (dB/m)	Cable Amp. loss Facto (dB) (dB)		Emission Level (dBuV/m)	Limits Margin (dBuV/m) (dB)	Remark
_	2465.120 28.05			95.56	54.00 -41.56	Average
2	2483.500 28.08	6.90 34.45	45.36	45.89	54.00 8.11	Average
3	2500.000 28.10	6.90 34.45	39.40	39.95	54.00 14.05	Average

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.





Site no. : 3m Chamber Data no. : 95

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL

Limit : FCC PART 15C AV

Env. / Ins. : 23*C/54% Engineer : Leo-Li

EUT : Tablet PC

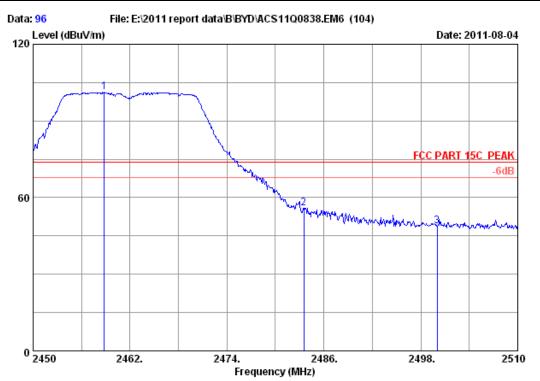
Power : DC 19V From Adapter input AC 120V/60Hz Test mode : IEEE802.11nHT20 CH11 2462MHz Tx

M/N : T10COT

	Ant.	Cable Amp.		Emission		
	Freq. Factor	loss Factor	Reading	Level	Limits Margin	Remark
	(MHz) (dB/m)	(dB) (dB)	(dBuV)	(dBuV/m)	(dBuV/m) (dB)	
1	2465.120 28.05	6.87 34.45	90.67	91.14	54.00 -37.14	Average
2	2483.500 28.08	6.90 34.45	42.05	42.58	54.00 11.42	Average
3	2500.000 28.10	6.90 34.45	37.44	37.99	54.00 16.01	Average

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.





Site no. : 3m Chamber Data no.: 96

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL

: FCC PART 15C PEAK Limit

Env. / Ins. : 23*C/54% Engineer : Leo-Li

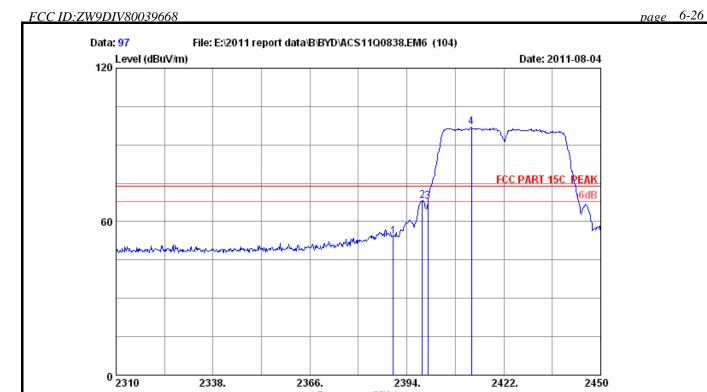
EUT : Tablet PC

Power
Test mode : IEEE802
: T10COT : DC 19V From Adapter input AC 120V/60Hz : IEEE802.11nHT20 CH11 2462MHz Tx

-	Factor	loss		_		Limits Margin (dBuV/m) (dB)	Remark	
1 2458.82 2 2483.50 3 2500.00	00 28.08	6.90	34.45	55.36	101.28 55.89 48.76	74.00 -27.28 74.00 18.11 74.00 25.24	Peak Peak Peak	

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.

2422.



Site no. : 3m Chamber Dis. / Ant. : 3m 2011 3 Data no.: 97

2011 3115 4580 Ant. pol. : HORIZONTAL

Frequency (MHz)

: FCC PART 15C PEAK Limit

Env. / Ins. : 23*C/54% Engineer : Leo-Li

: Tablet PC

Power : DC 19V From Adapter input AC 120V/60Hz

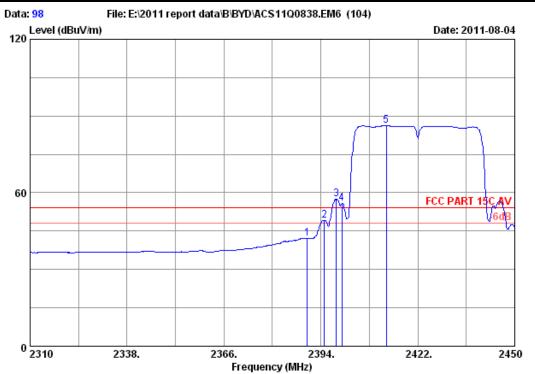
Test mode : IEEE802.11nHT40 CH1 2422MHz Tx

M/N: T10COT

	-		loss		Reading (dBuV)	Emission Level (dBuV/m)		_	Remark	
2	2390.000 2398.480 2400.000	27.96	6.75	34.44	54.03 67.99 67.51	54.27 68.26 67.78	74.00 74.00 74.00	19.73 5.74 6.22	Peak Peak Peak	
4	2412.620	27.98	6.78	34.44	96.57	96.89	74.00	-22.89	Peak	

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.





Site no. : 3m Chamber Data no. : 98

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL

Limit : FCC PART 15C AV

Env. / Ins. : 23*C/54% Engineer : Leo-Li

EUT : Tablet PC

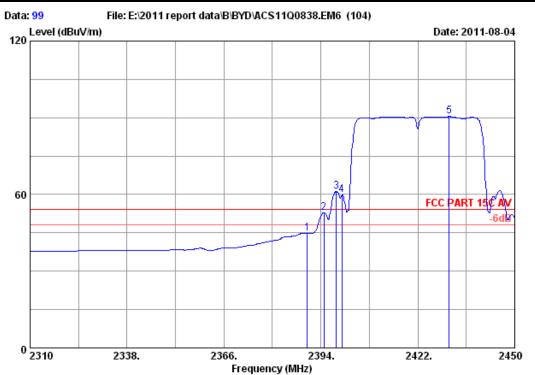
Power : DC 19V From Adapter input AC 120V/60Hz Test mode : IEEE802.11nHT40 CH1 2422MHz Tx

M/N : T10COT

	Ant. Freq. Factor (MHz) (dB/m)		mp. ctor Reading B) (dBuV) 	Emission Level (dBuV/m)	Limits (dBuV/m)	_	Remark
_	2390.000 27.96 2394.980 27.96	6.72 34 6.75 34		42.04 49.29	54.00 54.00	11.96 4.71	Average Average
_	2398.480 27.96	6.75 34		57.49		-3.49	Average
4 5	2400.000 27.96 2412.900 27.98	6.75 34 6.78 34	.44 55.70 .44 85.93	55.97 86.25	54.00 54.00 -	-1.97 32.25	Average Average

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.





Site no. : 3m Chamber Data no. : 99

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL

Limit : FCC PART 15C AV

Env. / Ins. : 23 *C/54% Engineer : Leo-Li

EUT : Tablet PC

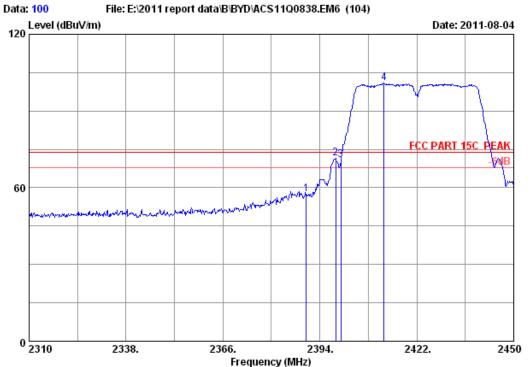
Power : DC 19V From Adapter input AC 120V/60Hz Test mode : IEEE802.11nHT40 CH1 2422MHz Tx

M/N : T10COT

	Ant. Freq. Factor (MHz) (dB/m)	loss Fa	Amp. actor Reading AB) (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin) (dB)	Remark
1	2390.000 27.96	6.72 34		44.73	54.00	9.27	Average
2	2394.840 27.96	6.75 34	1.44 52.54	52.81	54.00	1.19	Average
3	2398.480 27.96	6.75 34	1.44 60.93	61.20	54.00	-7.20	Average
4	2400.000 27.96	6.75 34	1.44 59.45	59.72	54.00	-5.72	Average
5	2431.100 28.00	6.81 34	1.44 90.07	90.44	54.00	-36.44	Average

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.





Site no. : 3m Chamber Data no. : 100

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL

Limit : FCC PART 15C PEAK

Env. / Ins. : 23*C/54% Engineer : Leo-Li

EUT : Tablet PC

Power : DC 19V From Adapter input AC 120V/60Hz Test mode : IEEE802.11nHT40 CH1 2422MHz Tx

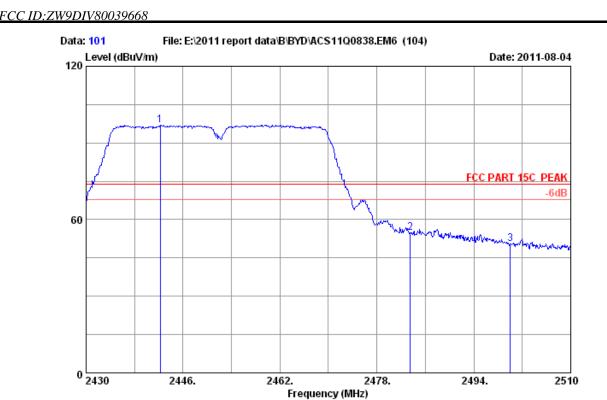
M/N : T10COT

	Ant. Freq. Facto (MHz) (dB/r	r loss	Factor	_	Emission Level (dBuV/m)		_	Remark	
1	2390.000 27.9	6.72	34.44	57.28	57.52	74.00	16.48	Peak	
2	2398.620 27.9	6.75	34.44	71.27	71.54	74.00	2.46	Peak	
3	2400.000 27.9	6.75	34.44	70.71	70.98	74.00	3.02	Peak	
4	2412.480 27.9	8 6.78	34.44	100.51	100.83	74.00	-26.83	Peak	

Remarks

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.

page 6-30



Site no. : 3m Chamber Data no. : 101

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL

: FCC PART 15C PEAK Limit

Env. / Ins. : 23*C/54% Engineer : Leo-Li

EUT : Tablet PC

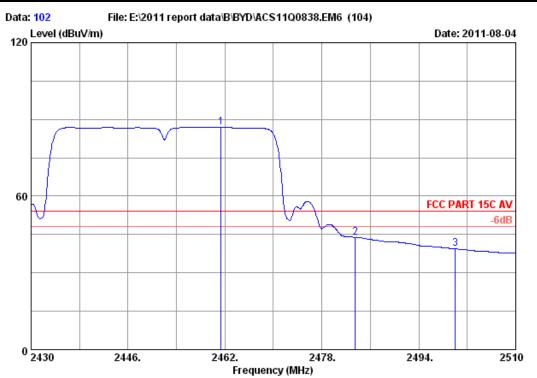
Power
Test mode : IEEE802
: T10COT : DC 19V From Adapter input AC 120V/60Hz : IEEE802.11nHT40 CH7 2452MHz Tx

	Freq. F		loss	Factor	Reading	Emission Level (dBuV/m)		_	Remark
2	2442.240 2483.500 2500.000	28.08	6.90	34.45	54.21	96.94 54.74 50.46	74.00 - 74.00 74.00	19.26	Peak Peak Peak

Remarks:

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.





Site no. : 3m Chamber Data no. : 102

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL

Limit : FCC PART 15C AV

Env. / Ins. : 23*C/54% Engineer : Leo-Li

EUT : Tablet PC

Power : DC 19V From Adapter input AC 120V/60Hz Test mode : IEEE802.11nHT40 CH7 2452MHz Tx

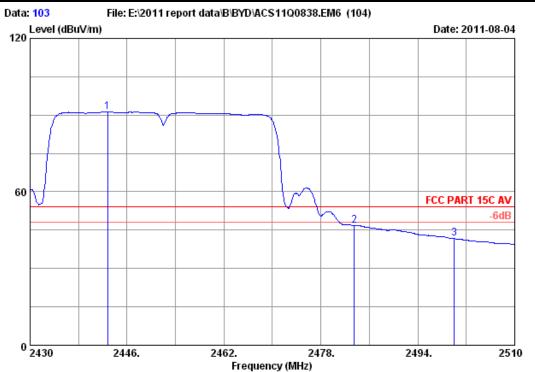
M/N : T10COT

	Ant.	Cable Amp.		Emission		
	Freq. Factor	loss Factor	Reading	Level	Limits Margin	Remark
	(MHz) (dB/m)	(dB) (dB)	(dBuV)	(dBuV/m)	(dBuV/m) (dB)	
1	2461.360 28.05	6.84 34.44	86.57	87.02	54.00 -33.02	Average
2	2483.500 28.08	6.90 34.45	43.33	43.86	54.00 10.14	Average
3	2500.000 28.10	6.90 34.45	38.81	39.36	54.00 14.64	Average

Remarks:

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.





Site no. : 3m Chamber Data no. : 103

Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL

Limit : FCC PART 15C AV

Env. / Ins. : 23 *C/54% Engineer : Leo-Li

EUT : Tablet PC

Power : DC 19V From Adapter input AC 120V/60Hz Test mode : IEEE802.11nHT40 CH7 2452MHz Tx

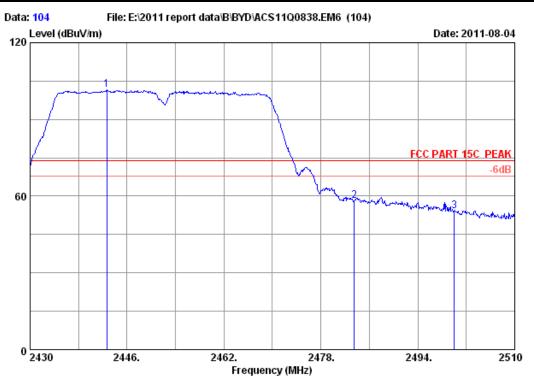
M/N : T10COT

	Ant. Freq. Facto: (MHz) (dB/m	r loss	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits Margin (dBuV/m) (dB)	Remark
1 2 3	2442.800 28.00 2483.500 28.00 2500.000 28.10	3 6.90	34.45	90.81 46.27 41.14	91.21 46.80 41.69	54.00 -37.21 54.00 7.20 54.00 12.31	Average Average Average

Remarks

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.





Site no. : 3m Chamber Data no. : 104
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL

Limit : FCC PART 15C PEAK

Env. / Ins. : 23*C/54% Engineer : Leo-Li

EUT : Tablet PC

Power : DC 19V From Adapter input AC 120V/60Hz Test mode : IEEE802.11nHT40 CH7 2452MHz Tx

M/N : T10COT

	I	lnt. Ca	able Amp.		Emission		
	Freq. Fa	actor lo	oss Facto:	r Reading	Level	Limits Margir	n Remark
	(MHz) (c	iB/m) (c	dB) (dB)	(dBuV)	(dBuV/m)	(dBuV/m) (dB)	
1	2442.640 2	8.03 6.	.81 34.44	101.05	101.45	74.00 -27.45	Peak
2	2483.500 2	28.08 6.	.90 34.45	57.59	58.12	74.00 15.88	Peak
3	2500.000 2	8.10 6.	.90 34.45	53.67	54.22	74.00 19.78	Peak

Remarks:

- 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- 2. The emission levels that are 20dB below the official limit are not reported.



FCC ID:ZW9DIV80039668 page 7-1

7. 6dB Bandwidth Test

7.1.Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum Analyzer	Agilent	E4446A	US44300459	May.08,11	1 Year
2.	Attenuator	Agilent	8491B	MY39262165	May.08,11	1 Year
3.	RF Cable	Hubersuhner	SUCOFLEX102	28618/2	May.08,11	1Year

7.2.Limit

For direct sequence systems, the minimum 6dB bandwidth shall be at least 500kHz

7.3.Test Procedure

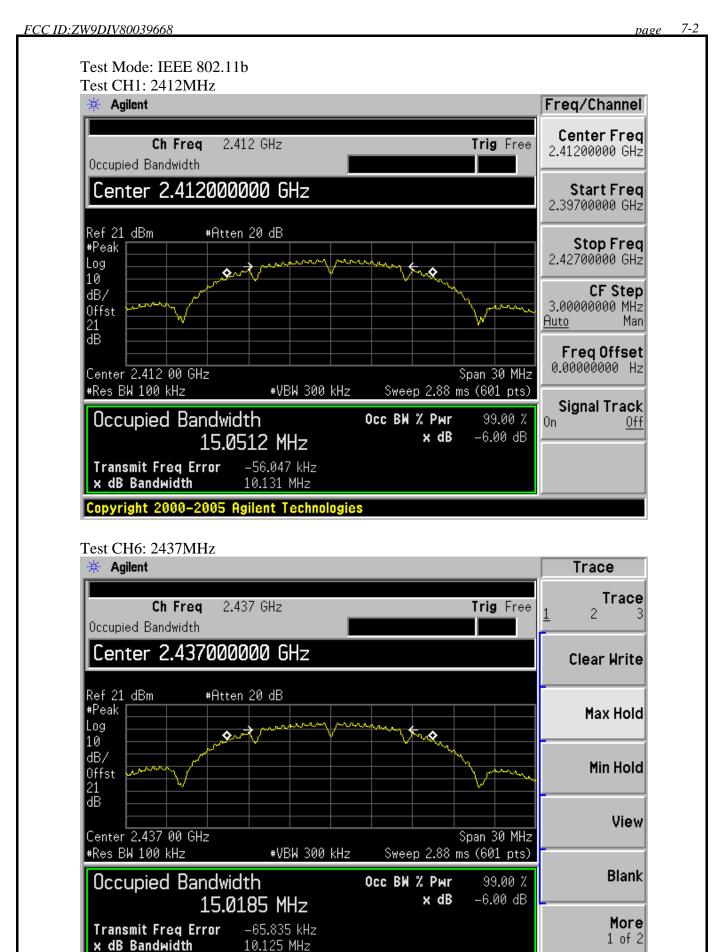
The transmitter output was connected to a spectrum analyzer, The bandwidth of the fundamental frequency was measured by spectrum analyzer with 100kHz RBW and 300 kHz VBW. The 6dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 6dB.

7.4.Test Results

EUT: Tablet PC		
M/N: T10COT		
Test date: 2011-08-03	Pressure: 101.6 kpa	Humidity: 53%
Tested by: Leo-Li	Test site: RF Site	Temperature : 25 °C

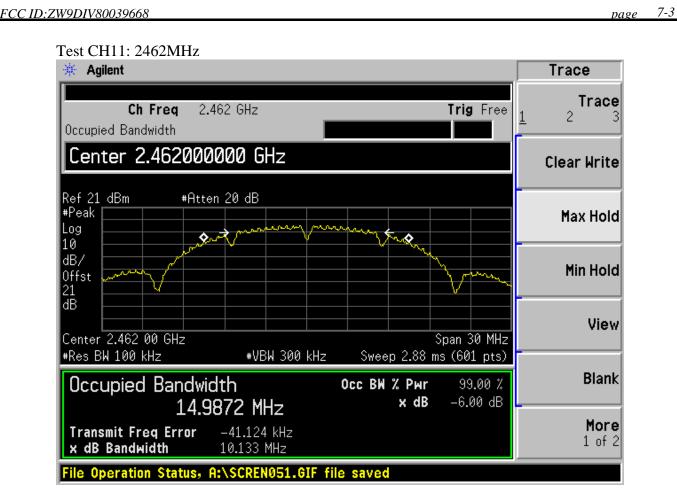
Cable loss: 1 dI	3	Attenuator loss: 20 dB	Antenna Gain: 2 dBi
Test Mode CH		6dB bandwidth (MHz)	Limit (KHz)
	CH1	10.131	>500
11b	CH6	10.125	>500
	CH11	10.133	>500
	CH1	16.603	>500
11g	CH6	16.596	>500
	CH11	16.605	>500
11	CH1	17.826	>500
11n HT20	CH6	17.789	>500
11120	CH11	17.784	>500
11	CH1	36.303	>500
11n	CH4	36.269	>500
HT40	CH7	36.254	>500
Conclusion: P.	ASS		

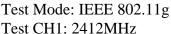


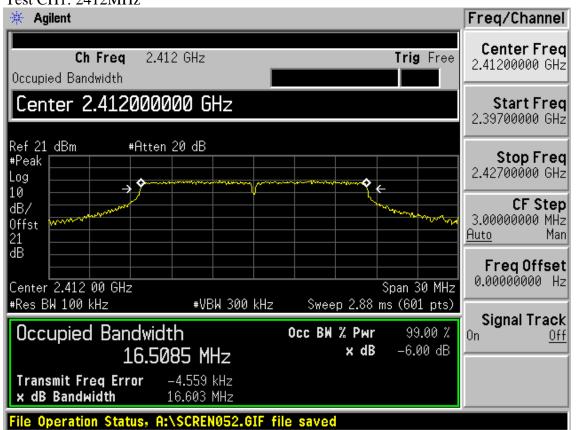


ile Operation Status, A:\SCREN050.GIF file saved

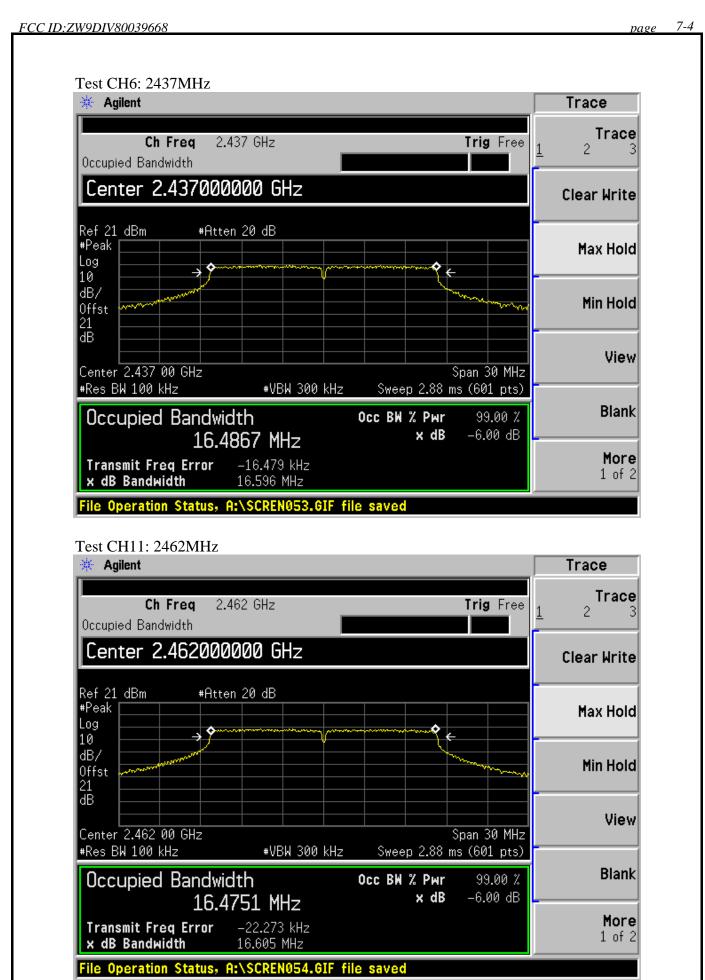




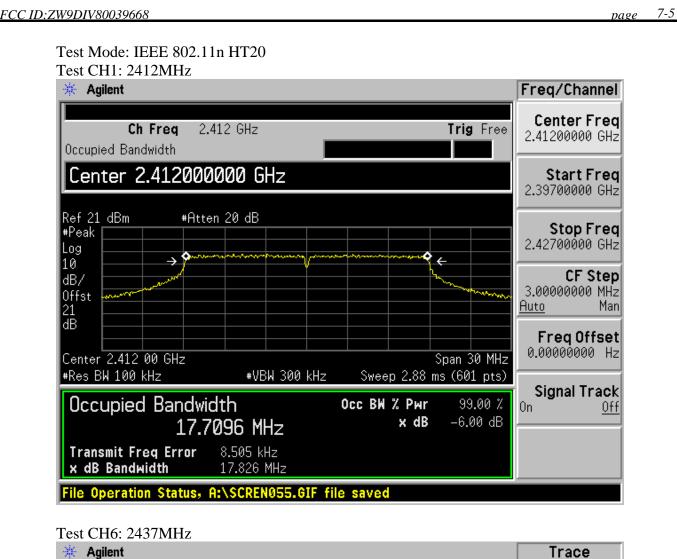


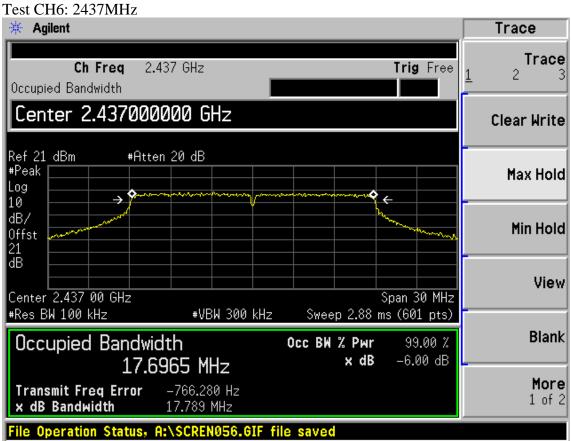




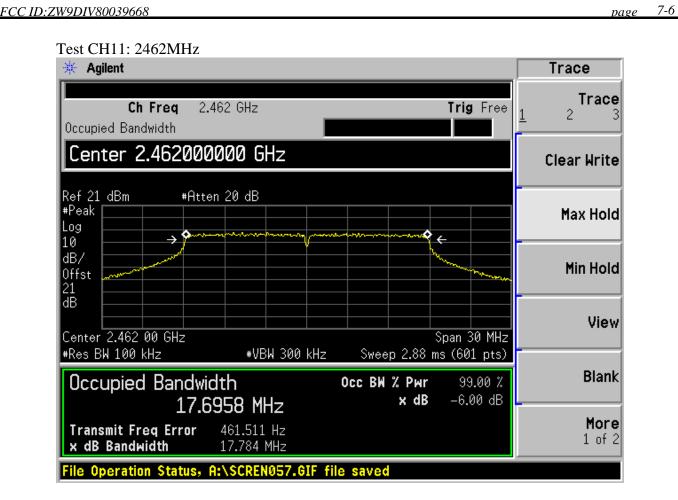




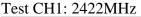


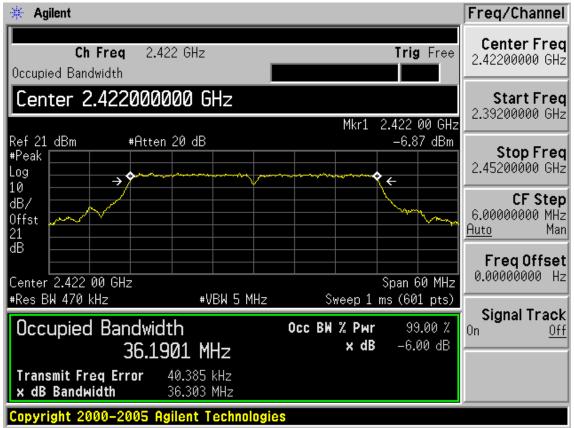




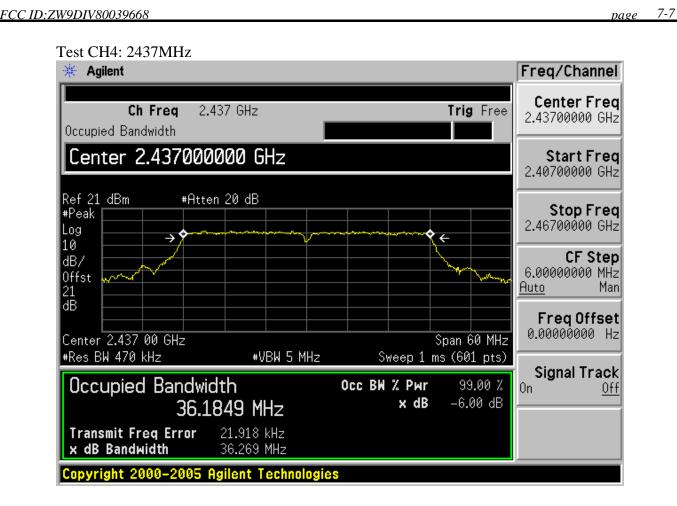


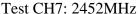
Test Mode: IEEE 802.11n HT40

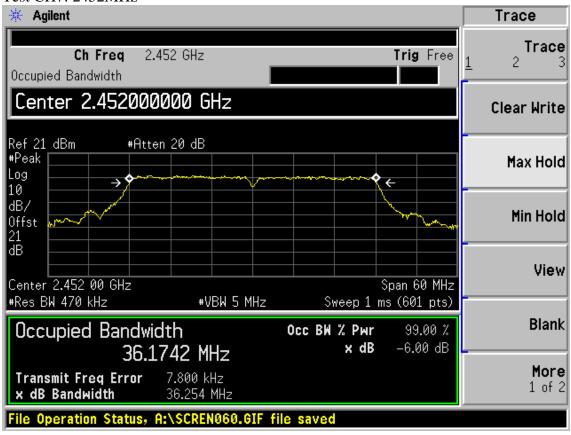














FCC ID:ZW9DIV80039668 page 8-1

8. OUTPUT POWER TEST

8.1.Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Power meter	Anritsu	ML2487A	6K00002472	May.08,11	1Year
2.	Power sensor	Anritsu	MA2491A	0033005	May.08,11	1Year
3	Attenuator	Agilent	8491B	MY39262165	May.08,11	1 Year
4	Spectrum Analyzer	Agilent	E4446A	US44300459	May.08, 11	1 Year
5	RF Cable	Hubersuhner	SUCOFLEX102	28618/2	May.08,11	1Year

8.2.Limit (FCC Part 15C 15.247 b(3))

For systems using digital modulation in the 2400—2483.5MHz, The Peak out put Power shall not exceed 1W(30dBm)

8.3.Test Procedure

- 1, Connected the EUT's antenna port to measure device by 26dB attenuator.
- 2, For IEEE 802.11b/g and IEEE802.11n HT20 mode, use a PK power meter which's bandwidth is 20MHz and above 26dB bandwidth of signal to measure out each test modes' PK output power.
- 3, For IEEE802.11n HT40 mode, because the signal's bandwidth is about 40MHz and above 20MHz bandwidth of power sensor ML2491A. So Bandwidth correction method according to ANSI C63.10 clause 6.10.2.1 part (c) was used:
 - 1) Set the RBW=3MHz and VBW =8MHz
 - 2) Turn averaging off
 - 3) Set sweep to automatic
 - 4) Set the span just large enough to capture the emission
 - 5) Use a peak detector on max hold
 - 6) Record the measured power
 - 7) Calculate Output power of EUT use the formula:

Peak output power = measured power+ 10log[(26dB bandwidth of emission)/(analyzer RBW)]

Note: The cable loss and attenuator loss were offset into measure device as an amplitude offset.



FCC ID:ZW9DIV80039668 page 8-1

8.4.Test Results

EUT: Tablet PC		
M/N: T10COT		
Test date: 2011-08-03	Pressure: 101.5 kpa	Humidity: 55 %
Tested by: Leo-Li	Test site: RF site	Temperature: 24.8 °C

Ca	ble loss: 1 dB	Attenuator loss: 20	dB
Test Mode	CH (MHz)	Peak output Power (dBm)	Limit (dBm)
	CH1	19.75	30
11b	СН6	19.36	30
	CH11	19.34	30
	CH1	22.09	30
11g	СН6	22.03	30
	CH11	22.10	30
11	CH1	20.62	30
11n HT20	СН6	20.66	30
П120	CH11	20.27	30

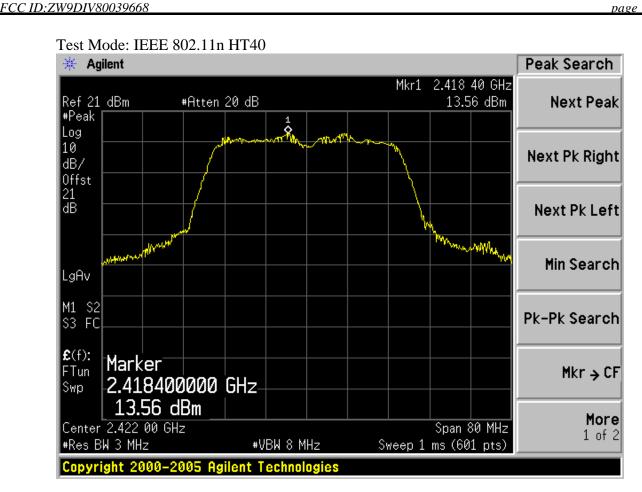
		R	lesult	Limit
Test Mode	СН	Measured power(dBm)/3MHz	PK Output power (dBm)	(dBm)
11n	CH1	13.56	25.87	30
HT40	CH4	13.67	25.98	30
	CH7	13.69	26.00	30

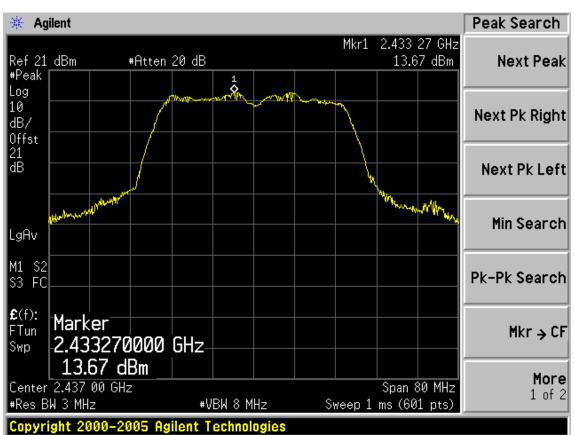
26dB Bandwidth for 11n HT40: 51.023MHz

BW correction factor = $10\log[(51.023\text{MHz})/(3\text{MHz})] = 12.31\text{dB}$

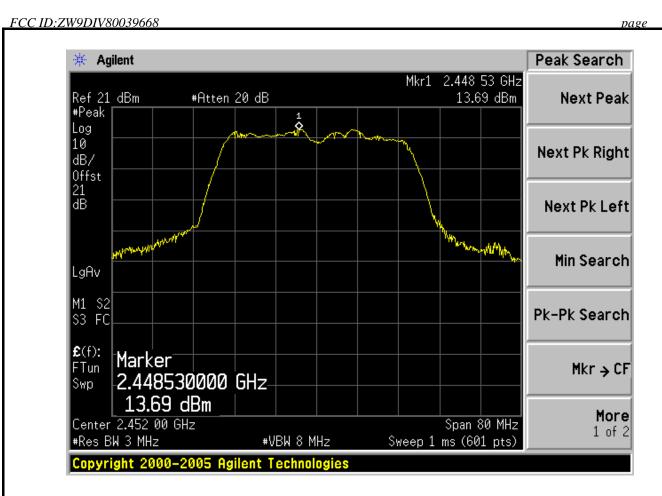
Conclusion: PASS



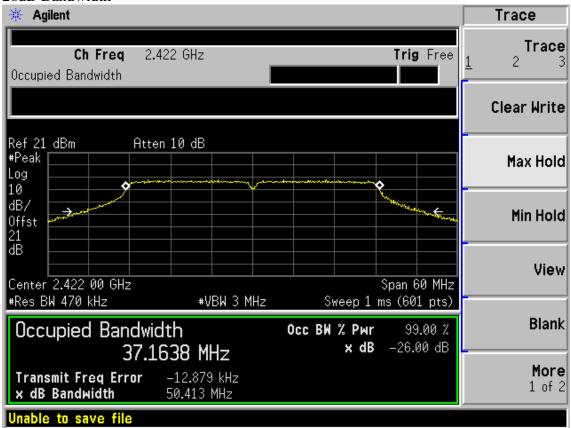




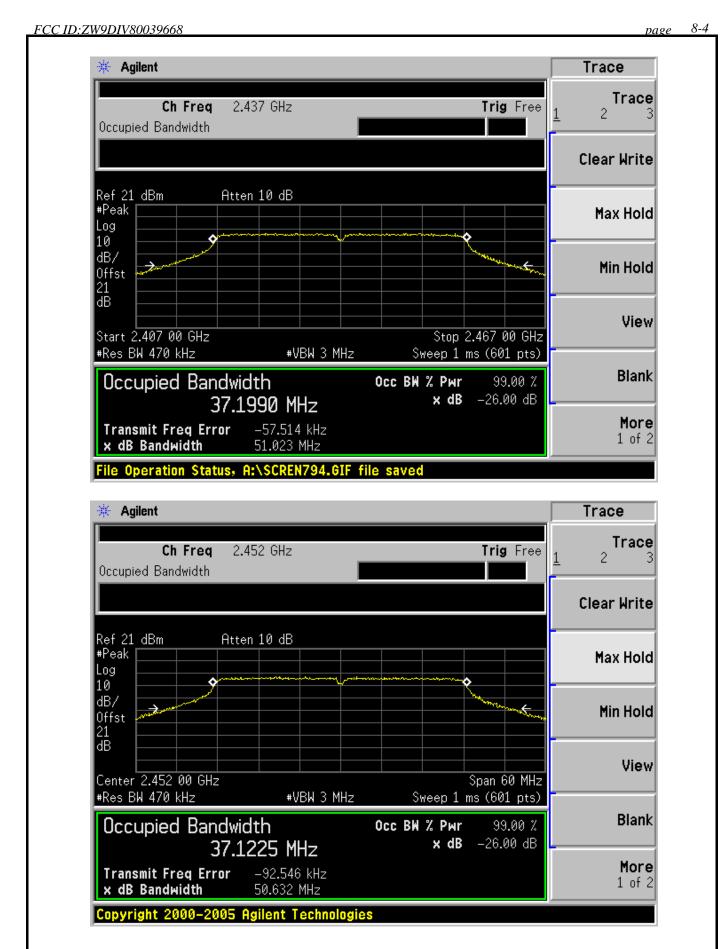




26dB Bandwidth









FCC ID:ZW9DIV80039668 page 9-1

9. POWER SPECTRAL DENSITY TEST

9.1.Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum Analyzer	Agilent	E4446A	US44300459	May.08, 11	1 Year
2.	Attenuator	Agilent	8491B	MY39262165	May.08, 11	1 Year
3.	RF Cable	Hubersuhner	SUCOFLEX102	28618/2	May.08, 11	1Year

9.2.Limit

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8dBm in any 3kHz band during any time interval of continuous transmission.

9.3.Test Procedure

- 1. Connected the EUT's antenna port to spectrum analyzer device by 20dB attenuator.
- 2 , Set the test frequency as center frequency, Set RBW=3KHz, VBW=10KHz, Span large enough capture the entire frequency, Read out maximum peak leval frequency
- 3, Set the frequency read from produce 2 as center frequency,then set the span= 300KHz, Sweep time=Span/RBW,Then Max hold,read out each mode and each chain's Power density.

Note: The cable loss and attenuator loss were offset into measure device as an amplitude



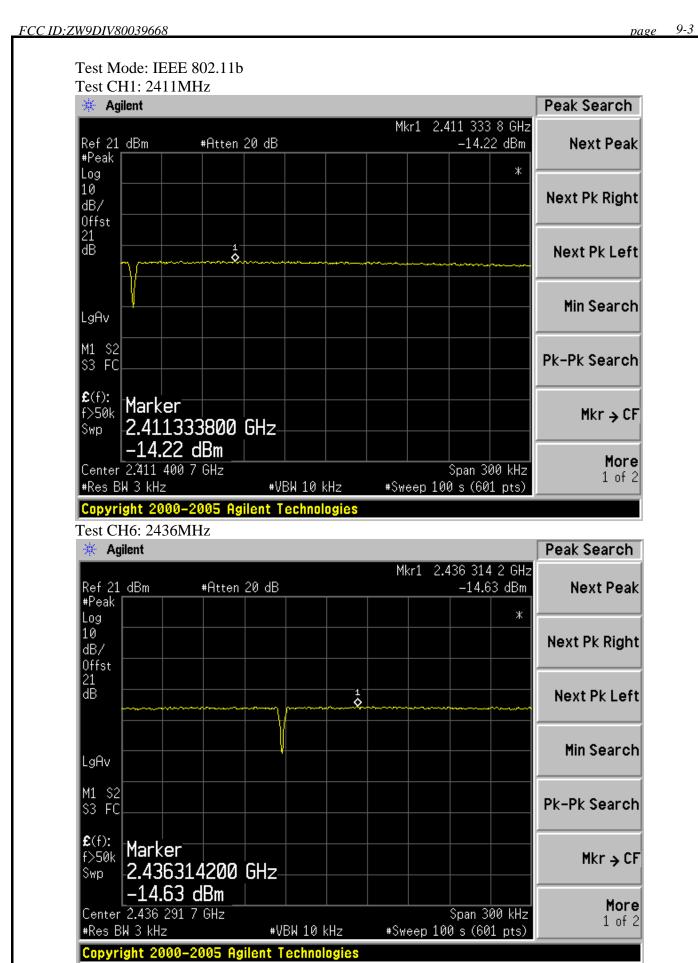
FCC ID:ZW9DIV80039668 page 9-2

9.4.Test Results

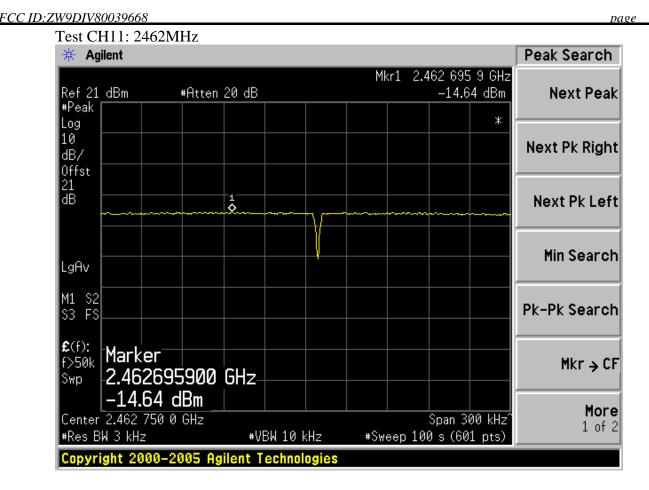
EUT: Tablet PC		
M/N: T10COT		
Test date:2011-08-03	Pressure: 101.6 kpa	Humidity: 51 %
Tested by: Leo-Li	Test site: RF Site	Temperature : 25°C

Cable loss: 1 dB		Attenuator loss: 20 dB	Antenna Gain: 2 dBi
Test Mode	СН	Power density (dBm/3KHz)	Limit (dBm/3KHz)
	CH1	-14.22	8
11b	CH6	-14.63	8
	CH11	-14.64	8
	CH1	-15.16	8
11g	CH6	-14.72	8
	CH11	-14.56	8
11	CH1	-16.50	8
11n HT20	CH6	-16.51	8
11120	CH11	-16.28	8
11	CH1	-15.83	8
11n HT40	CH4	-15.94	8
11140	CH7	-17.95	8
Conclusion: PASS			

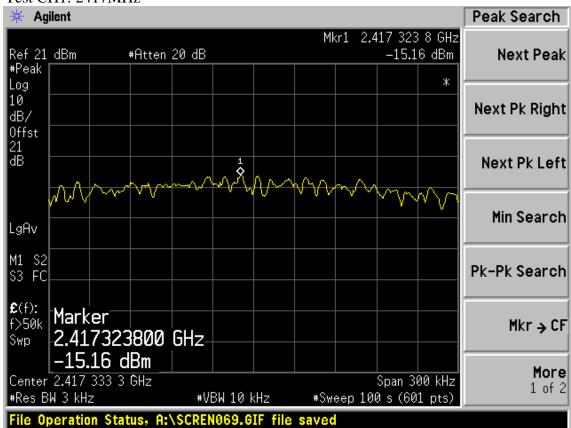




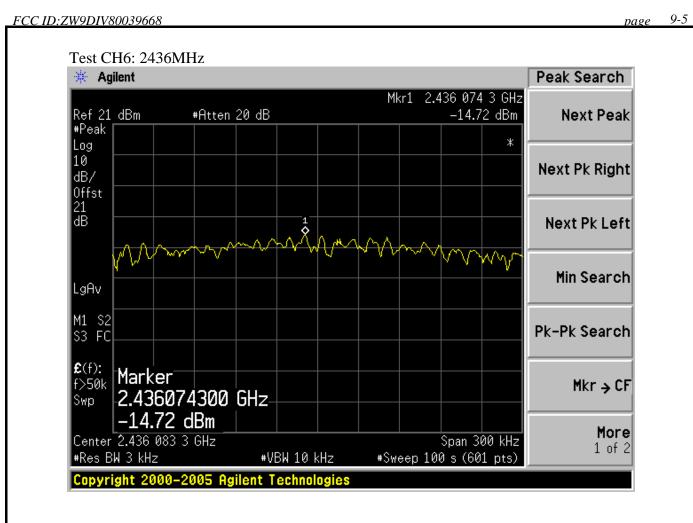


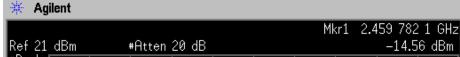




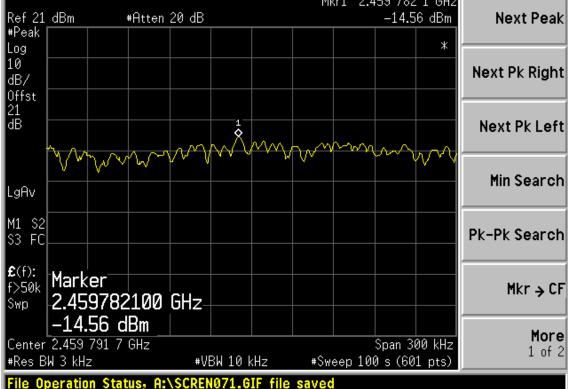






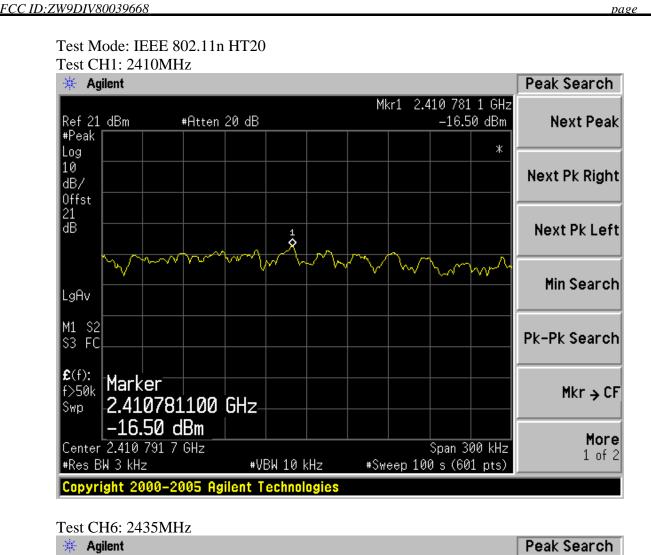


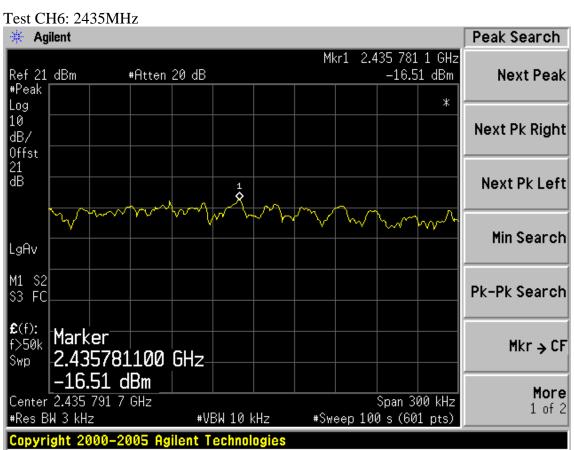
Test CH11: 2459MHz



Peak Search







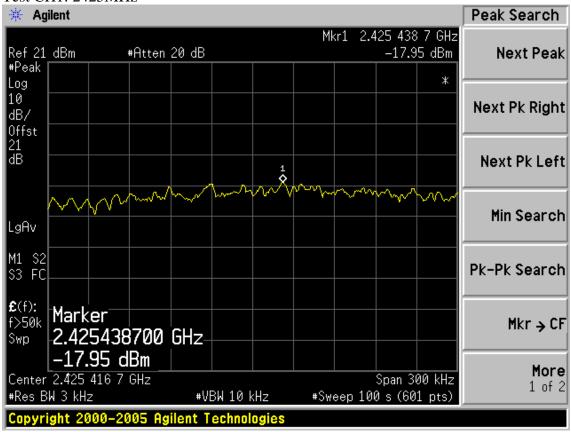


FCC ID:ZW9DIV80039668 Test CH11: 2462MHz Agilent Peak Search Mkr1 2.459 801 7 GHz -16.28 dBm Ref 21 dBm #Atten 20 dB **Next Peak** #Peak Log 10 Next Pk Right dB/ Offst 21 dB Next Pk Left Min Search LgAv M1 S2 S3 FC Pk-Pk Search **£**(f): Marker f>50k $Mkr \rightarrow CF$ 2.459801700 GHz Swp -16.28 dBm More Center 2.459 833 3 GHz Span 300 kHz 1 of 2 #Res BW 3 kHz #VBW 10 kHz #Sweep 100 s (601 pts)

Test Mode: IEEE 802.11n HT40

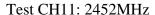
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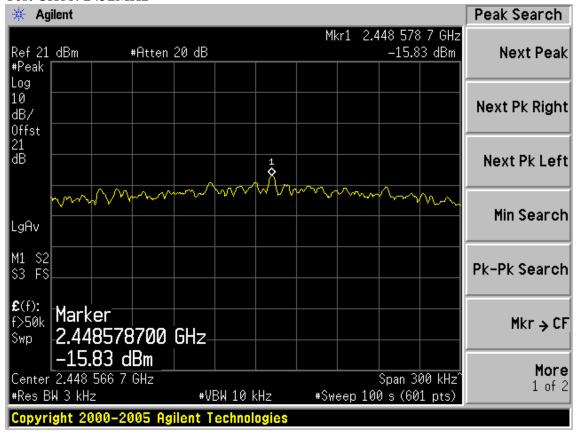
Test CH1: 2425MHz





FCC ID:ZW9DIV80039668 Test CH4: 2433MHz Agilent Peak Search Mkr1 2.433 578 6 GHz -15.94 dBm Ref 21 dBm #Atten 20 dB **Next Peak** #Peak Log 10 Next Pk Right dB/ Offst 21 dB Next Pk Left 1 • Min Search LgAv M1 S2 S3 FC Pk-Pk Search **£**(f): Marker f>50k Mkr → CF 2.433578600 GHz Swp -15.94 dBm More Center 2.433 500 0 GHz Span 300 kHz 1 of 2 #Res BW 3 kHz #VBW 10 kHz #Sweep 100 s (601 pts) File Operation Status, A:\SCREN063.GIF file saved







FCC ID: ZW9DIV80039668 page 10-1

10. ANTENNA REQUIREMENT

10.1. STANDARD APPLICABLE

For intentional device, according to FCC 47 CFR Section 15.203, 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. And according to FCC 47 CFR Section 15.247 (b), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

10.2. ANTENNA CONNECTED CONSTRUCTION

The antennas used for this product are IFA antenna with SMA-B connector and that no antenna other than that furnished by the responsible party shall be used with the device, the maximum peak gain of the transmit antenna is only 2dBi.



CID:ZW9DIV80039668	page 11
11.DEVIATION TO TEST SPECIFICATIONS	
[NONE]	