FCC TEST REPORT

for

CT1100 Pen Tablet

Model No.: CT1100 (for Pad)

of

Applicant: ACA Digital Corporation Address: 17F, NO. 866-7 Zhongzheng Rd., Zhonghe City Taipei county, 235, Taiwan, R. O. C.

Tested and Prepared by



ETS Product Service (Taiwan) Co., Ltd.

FCC Registration No.: 930600

Industry Canada filed test laboratory Reg. No. IC 5679

A2LA Accredited No.: 2300.01

PTCRB Accredited Type Certification Test House



Report No.: W6M20701-7793-C-1

6F, NO. 58, LANE 188, RUEY-KUANG RD., NEIHU TAIPEI 114, TAIWAN, R.O.C. TEL: 886-2-66068877 FAX: 886-2-66068879 E-mail: ets@ets-bzt.com.tw



Registration number: W6M20701-7793-C-1 FCC ID: UVZCT1100

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1 General Information

1.1 Notes

The purpose of conformity testing is to increase the probability of adherence to the essential requirements or conformity specifications, as appropriate.

The complexity of the technical specifications, however, means that full and thorough testing is impractical for both technical and economic reasons.

Furthermore, there is no guarantee that a test sample which has Passed all the relevant tests conforms to a specification.

Neither is there any guarantee that such a test sample will interwork with other genuinely open systems.

The existence of the tests nevertheless provides the confidence that the test sample possesses the qualities as maintained and that is performance generally conforms to representative cases of communications equipment.

The test results of this test report relate exclusively to the item tested as specified in 1.5.

The test report may only be reproduced or published in full.

Reproduction or publication of extracts from the report requires the prior written approval of the ETS Product Service (Taiwan) Co., Ltd.

Specific Conditions:

Usage of the hereunder tested device in combination with other integrated or external antennas requires at least additional output power measurements, spurious emission measurements, conducted emission measurements (AC supply lines) and radio frequency exposure evaluations for each individual configuration performed, for certification by FCC.

The test sample is able to work according IEEE 802.11 b/g.

This report is related to FCC Part 15 C (DSSS and OFDM device).

Tester:

June 25, 2007 Jay Chaing

Date ETS-Lab. Name Signature

Technical responsibility for area of testing:

June 25, 2007 Steven Chuang

Date ETS Name Signature



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1.2 Testing laboratory

1.2.1 Location

OATS

No.5-1, Shuang Sing Village, LiShuei Rd., Wanli Township, Taipei County 207, Taiwan (R.O.C.)

Company

ETS Product Service (Taiwan) Co., Ltd. 6F, NO. 58, LANE 188, RUEY-KUANG RD. NEIHU, TAIPEI 114, TAIWAN R.O.C.

Tel : 886-2-66068877 Fax : 886-2-66068879

1.2.2 Details of accreditation status

Accredited testing laboratory

A2LA accredited number: 2300.01

FCC filed test laboratory Reg. No. 930600

Industry Canada filed test laboratory Reg. No. IC 5679

PTCRB Accredited Type Certification Test House

1.3 Details of approval holder

Name : ACA Digital Corporation

Street : 17F, NO. 866-7 Zhongzheng Rd., Town : Zhonghe City, Taipei county, 235

Country : TAIWAN, R.O.C.
Telephone : 886-2-8228-1121
Fax : 886-2-2228-9448



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1.4 Application details

Date of receipt of test item : May 11, 2007

Date of test : from May 14, 2007 to June 22, 2007

1.5 General information of Test item

Type of test item : CT1100 Pen Tablet
Model Number : CT1100 (for Pad)
Brand Name : ACA-Digital
Hardware : 36-CT11M-8F2

Software : XG880M-RF Tool V0.1

Multi-listing model number : without

Photos : See Appendix

Technical data

Frequency band : 2.4 GHz - 2.4835 GHz

Frequency (ch 1 or A) : 2.412 GHz Frequency (ch 6 or B) : 2.437 GHZ Frequency (ch 11 or C) : 2.462 GHz

Number of Channels : 11 Operation modes : duplex

Modulation Type : DSSS / OFDM

Fixed point-to-point operation: \square Yes $/ \boxtimes$ No Type of Antenna : Embedded Antenna

Antenna gain : 7 dBi

Input : 100-240 VAC, 50-60Hz 1.5A

Power supply

Output : 19 VDC 3.16A

Emission designator : DSSS: 15M4G1D

OFDM: 16M6W7D



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Host device: none

Classification :

Fixed Device	
Mobile Device (Human Body distance > 20cm)	
Portable Device (Human Body distance < 20cm)	

<u>Transmitter</u> <u>Unom</u>

Mode A (DSSS)

Power (ch 1 or A) : Conducted: 16.42 dBm Power (ch 6 or B) : Conducted: 16.67 dBm Power (ch 11 or C) : Conducted: 17.27 dBm

Mode B (OFDM)

Power (ch 1 or A) : Conducted: 17.97 dBm Power (ch 6 or B) : Conducted: 17.97 dBm Power (ch 11 or C) : Conducted: 18.06 dBm

Manufacturer:

(if applicable)

Name : Yenom Technology Services Inc.

Street : 3F, No.37, Wu-Chuan Rd., Wu-Ku Industrial Park

Town : Taipei County Country : Taiwan,R.O.C.

Additional information: The sample is using WLAN technology according IEEE 802.11 b/g.

There are two testing modes in the test report.

Mode A: IEEE 802.11b Mode B: IEEE 802.11g

The scheme for frequency generation, spectrum spreading,

receiver parameters, synchronization procedure, and other parameters

are determined by the mentioned standard above.

1.6 Test standards

Technical standard: FCC RULES PART 15 SUBPART B / SUBPART C § 15.247 (2007-05)



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2 Technical test

2.1 Summary of test results

No deviations from the technical specification(s) were ascertained in the course	3
of the tests performed.	

×

 \mathbf{or}

The deviations as specified in 2.5 were ascertained in the course of the tests \Box performed.

2.2 Test environment

Temperature :23 °C

Relative humidity content : 20 ... 75 %

Air pressure :86 ... 103 kPa

Input : 100-240 VAC, 50-60Hz 1.5A

Power supply

Output : 19 VDC 3.16A

Extreme conditions parameters : --



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Test Equipment List 2.3

No.	Test equipment	Туре	Serial No.	Manufacturer	Cal. Date	Next Cal. Date
ETSTW-CE 001	EMI TEST RECEIVER	ESHS10	842121/013	R&S	2006/10/16	2007/10/15
ETSTW-CE 002	PREREULATOR MODE DC POWER SUPPLY	None	None		Functi	on Test
ETSTW-CE 003	AC POWER SOURCE	APS-9102	D161137	GW	Functi	on Test
ETSTW-CE 004	ZWEILEITER-V- NETZNACHBILDUNG TWO- LINE V-NETWORK	ESH3-Z5	840731/011	R&S	2006/10/16	2007/10/15
ETSTW-CE 005	Line-Impedance Stabilisation Network	NNBM 8126D	137	Schwarzbeck	2006/10/16	2007/10/15
ETSTW-CE 006	IMPULSBEGRENZER PULSE LIMITER	ESH3-Z2	100226	R&S	In House	Certificate
ETSTW-CE 008	ABSORBING CLAMP	MDS 21	3469	Schwarzbeck	2005/10/24	2007/10/23
ETSTW-CE 009	TEMP.&HUMIDITY CHAMBER	GTH-225-40-1P-U	MAA0305-009	GIANT FORCE	2006/8/17	2007/8/16
ETSTW-CE 013	CISPR 22 TWO BALANCED TELECOM PAIRS IMPEDANCE STABILIZATION NETWORK	FCC-TLISN-T4-02	20242	FCC	2005/12/8	2007/12/7
ETSTW-CE 014	CISPR 22 TWO BALANCED TELECOM PAIRS IMPEDANCE STABILIZATION NETWORK	FCC-TLISN-T2-02	20241	FCC	2005/12/7	2007/12/6
ETSTW-CE 015	CISPR 22 TWO BALANCED TELECOM PAIRS IMPEDANCE STABILIZATION NETWORK	FCC-TLISN-T8-02	20307	FCC	2006/11/7	2008/11/6
ETSTW-CE 016	TWO-LINE V-NETWORK	ENV216	100050	R&S	2006/11/21	2007/11/20
ETSTW-RE 002	Function Generator	33220A	MY43004982	Agilent	2005/10/14	2007/10/13
ETSTW-RE 003	EMI TEST RECEIVER	ESI 26	831438/001	R&S	2006/10/20	2007/10/19
ETSTW-RE 004	EMI TEST RECEIVER	ESI 40	832427/004	R&S	2006/10/30	2007/10/29
ETSTW-RE 005	EMI TEST RECEIVER	ESVS10	843207/020	R&S	2006/10/12	2007/10/11
ETSTW-RE 010	PROGRAMMABLE LINEAR POWER SUPPLY	LPS-305	30503070181	МОТЕСН	Functi	on Test
ETSTW-RE 011	PROGRAMMABLE LINEAR POWER SUPPLY	LPS-305	30503070165	МОТЕСН	Functi	on Test
ETSTW-RE 017	Log-Periodic Antenna	HL025	352886/001	R&S	2006/5/4	2008/5/3
ETSTW-RE 018	MICROWAVE HORN ANTENNA	AT4560	27212	AR	2004/11/8	2007/11/7
ETSTW-RE 020	MICROWAVE HORN ANTENNA	AT4002A	306915	AR	Functi	on Test
ETSTW-RE 021	SWEEP GENERATOR	SWM05	835130/010	R&S	2006/10/11	2007/10/10
ETSTW-RE 027	Passive Loop Antenna	6512	00034563	EMCO	2004/6/30	2007/6/29
ETSTW-RE 028	Log-Periodic DipoleArray Antenna	3148	34429	EMCO	2006/5/26	2008/5/25
ETSTW-RE 029	Biconical Antenna	3109	33524	EMCO	2006/5/26	2008/5/25
ETSTW-RE 030	Double-Ridged Guide Horn Antenna	3117	00035224	EMCO	2006/5/3	2008/5/2
ETSTW-RE 032	Millivoltmeter	URV 55	849086/013	R&S	2006/10/11	2007/10/10
ETSTW-RE 033	WaveRunner 6000A Serise Oscilloscope	WAVERUNNER 6100A	LCRY0604P14508	LeCroy	2006/7/27	2007/7/26
ETSTW-RE 034	Power Sensor	URV5-Z4	839313/006	R&S	2005/10/17	2007/10/16
ETSTW-RE 042	Biconical Antenna	HK116	100172	R&S	2007/1/11	2009/1/10

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ETSTW-RE 043	Log-Periodic Dipole Antenna	HL223	100166	R&S	2006/5/8	2008/5/7
ETSTW-RE 044	Log-Periodic Antenna	HL050	100094	R&S	2006/5/29	2008/5/28
ETSTW-RE 048	Triple Loop Antenna	HXYZ 9170	HXYZ 9170-134	Schwarzbeck	2005/3/22	2008/3/21
ETSTW-RE 049	TRILOG Super Broadband test Antenna	VULB 9160	9160-3185	Schwarzbeck	2007/5/02	2009/5/01
ETSTW-RE 055	SPECTRUM ANALYZER	FSU-26	200074	R&S	2006/7/28	2007/7/27
ETSTW-RE 064	Bluetooth Test Set	MT8852B-042	6K00005709	Anritsu	Functi	on Test



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2.4 General Test Procedure

POWER LINE CONDUCTED INTERFERENCE: The procedure used was ANSI STANDARD C63.4-2003 using a 50µH LISN (if necessary). Both lines were observed. The bandwidth of the spectrum analyzer was 10 kHz with an appropriate sweep speed.

RADIATION INTERFERENCE: The test procedure used was according to ANSI STANDARD C63.4-2003 employing a spectrum analyzer. For investigated frequency is equal to or below 1GHz, the RBW and VBW of the spectrum analyzer was 100 kHz and 100kHz respectively with an appropriate sweep speed. For investigated frequency is above 1GHz, both of RBW and VBW of the spectrum analyzer were 1 MHz with an appropriate sweep speed. The analyzer was calibrated in dB above a microvolt at the output of the antenna.

FORMULA OF CONVERSION FACTORS: The Field Strength at 3m was established by adding the meter reading of the spectrum analyzer (which is set to read in units of $dB\mu V$) to the antenna correction factor supplied by the antenna manufacturer. The antenna correction factors are stated in terms of dB.

Example:

Freq (MHz) METER READING + ACF + CABLE LOSS(to the receiver) = FS

33 $20 dB\mu V + 10.36 dB + 6 dB = 36.36 dB\mu V/m @3m$

The UUT was placed on a table 80 cm high and with dimensions of 1m by 1.5m (non metallic table) and arranged according to ANSI C63.4-2000 Section 13.1.2. The table used for radiated measurements is capable of continuous rotation. The spectrum was scanned from 30 MHz to the frequency specified as follows:

- (1) If the intentional radiator operates below 10 GHz: to the tenth harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower.
- (2) If the intentional radiator operates at or above 10 GHz and below 30 GHz: to the fifth harmonic of the highest fundamental frequency or to 100 GHz, whichever is lower.
- (3) If the intentional radiator operates at or above 30 GHz: to the fifth harmonic of the highest fundamental frequency or to 200 GHz, whichever is lower, unless specified otherwise elsewhere in the rules.
- (4) If the intentional radiator contains a digital device, regardless of whether this digital device controls the functions of the intentional radiator or the digital device is used for additional control or function purposes other than to enable the operation of the intentional radiator, the frequency range shall be investigated up to the range specified in paragraphs (a)(1)-(a)(3) of this section or the range applicable to the digital device, as shown in paragraph (b)(1) of this Section, whichever is the higher frequency range of investigation.

For hand-held devices, a exploratory test was performed with three (3) orthogonal planes to determine the highest emissions.

Measurements were made by ETS Product Service (Taiwan) Co., Ltd. at the registered open field test site located at No.5-1, Shuang Sing Village, LiShuei Rd., Wanli Township, Taipei County 207, Taiwan (R.O.C.) The Registration Number: 930600.

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When an emission was found, the table was rotated to produce the maximum signal strength. At this point, the antenna was raised and lowered from 1m to 4m. The antenna was placed in both the horizontal and vertical planes.

When the radiated emission limits are expressed in terms of the average value of the emission, and pulsed operation is employed, the measurement field strength shall be determined by averaging over one complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0.1 seconds. As an alternative (provided the transmitter operates for longer than 0.1 seconds) or in cases where the pulse train exceeds 0.1 seconds, the measured field strength shall be determined from the average absolute voltage during a 0.1 second interval during which the field strength is at its maximum value.

The formula is as follows: Average = Peak + Duty Factor Duty Factor = 20 log (dwell time/T)

T = 100ms when the pulse train period is over 100 ms or the period of the pulse train.

Modified Limits for peak according to 15.35 (b) = Max Permitted average Limits + 20dB



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Test results (enclosure)

TEST CASE	Para. Number	Required	Test passed	Test failed
Peak Output Power	15.247(b)(3)	×	×	
Equivalent radiated Power	15.247(b)(3)	×	×	
Spurious Emissions radiated – Transmitter operating	15.247(c)	×	×	
Band Edge Measurement	15.247(c)	×	×	
Minimum 6 dB Bandwidth	15.247(a)(2)	×	×	
Peak Power Spectral Density	15.247(d)	×	×	
Radiated Emission from Digital Part And Receiver L.O.	15.109	×	×	
Power Line Conducted Emission	15.207	×	×	

The follows is intended to leave blank.



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3.1 Peak Output Power (transmitter)

FCC Rule: 15.247(b)(3)

This measurement applies to equipment with an integral antenna and to equipment with an antenna connector and equipped with an antenna as declared by the applicant.

The power was measured with modulation (declared by the applicant).

Mode A

Tost con	Conducted Power			
Test condition		Channel A	Channel B	Channel C
T _ 229C	$V_{nom} = 120 \text{ V}$	[dBm]	[dBm]	[dBm]
$T_{nom}=23^{\circ}C$		16.42	16.67	17.27

Mode B

Test condition		Conducted Power		
		Channel A	Channel B	Channel C
T 220C	$V_{nom} = 120 \text{ V}$	[dBm]	[dBm]	[dBm]
$T_{\text{nom}} = 23^{\circ}\text{C}$		17.97	17.97	18.06

Mode A

$Test \ condition \\ T_{nom} = 23^{\circ}C, \ \ V_{nom} = 120 V$	Signal Field strength TX highest power mode dB μ V/m
Frequency [MHz]	
2438	

Mode B

Test condition $T_{nom}=23^{\circ}C, \ V_{nom}=120 \ V$	Signal Field strength TX highest power mode dB μ V/m
Frequency [MHz]	
2438	

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Limits:

Frequency	Power
MHz	dBm
902 - 928	30
2400 – 2483.5	30
5725 – 5850	30

In case of employing transmitter antennas having antenna gain > 6 dBi and using fixed point-to point operation consider \$15.247 (b)(4)

Test equipment used: ETSTW-RE 003 ETSTW-RE 004 ETSTW-RE 055

Comment: The diagrams for the peak output power measurements are included in Appendix.



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3.2 Equivalent isotropic radiated power

FCC Rule: 15.247(b)(3)

EIRP = max. conducted output power + antenna gain

EIRP = 18.06 dBm + 7dBi

= 25.06 dBm

Limit: EIRP = +36 dBm for Antenna gain < 6dBi

Test equipment used: ETSTW-RE 003 ETSTW-RE 004 ETSTW-RE 017 ETSTW-RE 021

ETSTW-RE 028 ETSTW-RE 030 ETSTW-RE 043 ETSTW-RE 044

3.3 RF Exposure Compliance Requirements

FCC OET Bulletin 65 Edition 97.01 determines the equations for predicting RF fields and applicable limits.

The prediction for power density in the far-field but will over-predict power density in the near field, where it could be used for walking a "worst case" or conservative prediction.

S – Power Density

P – Output power ERP

R – Distance

D – Cable Loss

AG – Antenna Gain G = AG-D

Item	Unit	Value	Remarks
P	mW	63.97348	Peak value
D	dB		
AG	dBi	7	
G		5.0	Calculated Value
R	cm	20	Assumed value
S	mW/cm ²	0.063	Calculated value

Limits:

Limit for General Population	n / Uncontrolled Exposure
Frequency (MHz)	Power Density (mW/cm ²)
1500 – 100.000	1,0



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3.4 Transmitter Radiated Emissions in Restricted Bands

FCC Rules: 15.247 (c), 15.205, 15.209, 15.35

Radiated emission measurements were performed from 30 MHz to 26500 MHz.

For radiated emission tests, the analyzer setting was as followings:

Frequency \leq 1 GHz, RBW:100 kHz, VBW: 100 kHz (Peak measurements) Frequency > 1 GHz, RBW: 1 MHz, VBW: 1 MHz (Peak measurements) Frequency > 1 GHz, RBW:1 MHz, VBW: 10 Hz (Average measurements)

Limits.

For frequencies below 1GHz:

Frequency of Emission	Field strength	Field Strength
(MHz)	(microvolts/meter)	(dB microvolts/meter)
30 - 88	100	40.0
88 - 216	150	43.5
216 - 960	200	46.0
Above	500	54.0

For frequencies above 1GHz (Average measurements).

Guidance on Measurement of Digit Transmission Systems:

"If the emission is pulsed, modify the unit for continuous operation, use the setting shown above, then correct the reading by subtracting the peak-average correction factor, derived from the appropriate duty cycle calculation."

The correction factor, based on the total channel dwell time in a 100 ms period, may be mathematically applied to a measurement made with an average detector, to further reduce the value.

Duty cycle correction = 20 log (dwell time/ 100ms)

Note: No duty cycle correction was added to the reading of this EUT.

Comment: See attached diagrams in Appendix.



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3.5 Spurious Emissions (tx)

Spurious emission was measured with modulation (declared by manufacturer).

In any 100 kHz bandwidth outside the frequency band in which the intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. Attenuation below the general limits specified in § 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a) (see § 15.205(c))

FCC Rule: 15.247(c), 15.35

For out of band emissions that are close to or that exceed the 20 dB attenuation requirement described in the specification, radiated measurements were performed at a 3 m separation distance to determine whether these emissions complied with the general radiated emission requirement. Limits:

Max. reading – 20 dB

Guidance on Measurement of Digit Transmission Systems:

"If the emission is pulsed, modify the unit for continuous operation, use the settings shown above, then correct the reading by subtracting the peak-average correction factor, derived from the appropriate duty cycle calculation."

The correction factor, based on the total channel dwell time in a 100 ms period, may be mathematically applied to a measurement made with an average detector, to further reduce the value.

Duty Cycle correction = 20 log (dwell time/100ms)

For frequencies above 1GHz (Peak measurements).

Modified Limit for peak according to 15.35 (b) = Max Permitted average Limits + 20dB

For frequencies above 1GHz (Average measurements). Max. reading – 20dB

Note: No duty cycle correction was added to the reading of EUT.

Test equipment used: ETSTW-RE 003 ETSTW-RE 004 ETSTW-RE 017 ETSTW-RE 028

ETSTW-RE 029 ETSTW-RE 030 ETSTW-RE 042 ETSTW-RE 043

ETSTW-RE 044



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SAMPLE CALCULATION OF LIMIT. All results will be updated by an automatic measuring system in accordance with point 2.3.

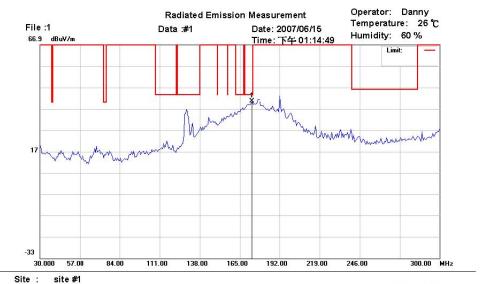
Calculation of test results:

Such factors like antenna correction, cable loss, external attenuation etc. are already included in the provided measurement results. This is done by using validated test software and calibrated test system according the accreditation requirements.

The peak and average spurious emission plots was measured with the average limits. In the Table being listed the critical peak and average value and exhibit the compliance with the above calculated Limits.

If in the column's correction factor states a value then the max. Field strength in the same row is corrected by a value gained from the "Duty-Cycle Correction Factor".

Summary table with radiated data of the test plots



Condition: FCC 15.247

Company: W6M20701-7793

EUT Model: CT1100 (for Pad)

Execute Program: 802.11b CH1 TX

Note:

Mk.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected factor(dB)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	173.1000	20.75	peak	19.78	40.53	43.50	305	128	-2.97	

Polarization:

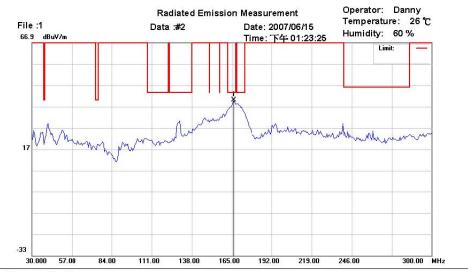
Distance: 3m

Power: AC 110V/60Hz

Horizontal



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Site : site #1
Condition : FCC 15.247
Company : W6M20701-7793

EUT Model: CT1100 (for Pad) Execute Program: 802.11b CH1 TX

166.3500 20.45

Note:

NUL	٠.								
Mk.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected factor(dB)	Result (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment

39.91

43.50

165

19.46

peak

Polarization: Vertice
Power: AC 110V/60Hz

Distance: 3m

137

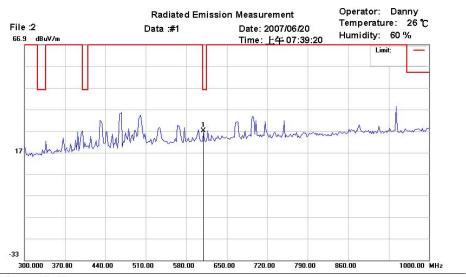
Polarization:

Distance: 3m

Power: AC 110V/60Hz

Horizontal

-3.59



Site: site#1

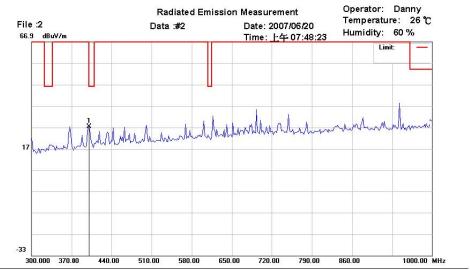
Condition: FCC 15.247
Company: W6M20701-7793
EUT Model: CT1100 (for Pad)

Execute Program: 802.11b CH1 TX

Mk.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected factor(dB)		Limit (dBuV/m)		Tab.Pos (deg.)	Margin (dB)	Comment
*	609.7500	2.04	peak	25.09	27.13	46.00	179	226	-18.87	



FCC ID: UVZCT1100



Site : site #1

Condition: FCC 15.247 Company: W6M20701-7793 EUT Model: CT1100 (for Pad) Execute Program: 802.11b CH1 TX

Note:

Polarization: Vertical Power: AC 110V/60Hz

Distance: 3m

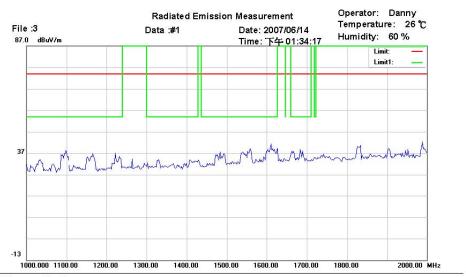
Polarization:

Distance: 3m

Power: AC 110V/60Hz

Horizontal

Mk.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected factor(dB)	Result (dBuV/m)		Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	401.5000	6.16	peak	21.01	27.17	46.00	301	215	-18.83	



Site : site #1

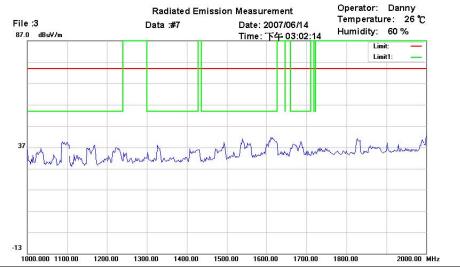
Condition: FCC 15.247 Company: W6M20701-7793 EUT Model: CT1100 (for Pad)

Execute Program: 802.11b CH1 TX

Mk.	Frequency (MHz)	Reading (dBuV/m)	Corrected factor(dB)		Tab.Pos (deg.)	Comment



FCC ID: UVZCT1100



Site: site#1

Condition : FCC 15.247

Company : W6M20701-7793

EUT Model: CT1100 (for Pad)

Execute Program: 802.11b CH1 TX

Note:

		Frequency	Reading	Detector	Corrected	Result	Limit	Ant.Pos	Tab.Pos	Margin	Comment	П
R	lk.	(MHz)	(dBuV/m)		factor(dB)	(dBuV/m)	(dBuV/m)	(cm)	(deg.)	(dB)		

Polarization: Vertice
Power: AC 110V/60Hz

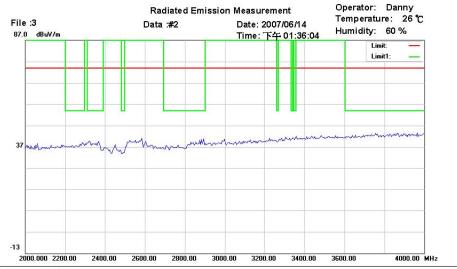
Distance: 3m

Polarization:

Distance: 3m

Power: AC 110V/60Hz

Horizontal



Site: site#1

Condition: FCC 15.247

Company: W6M20701-7793

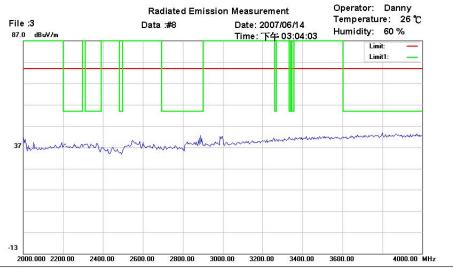
EUT Model: CT1100 (for Pad)

Execute Program: 802.11b CH1 TX

	Frequency	Reading	Detector	Corrected	Result	Limit	Ant.Pos	Tab.Pos	Margin	Comment
Mk	(MHz)	(dBuV/m)		factor(dB)	(dBuV/m)	(dBuV/m)	(cm)	(deg.)	(dB)	



FCC ID: UVZCT1100



Site: site#1

Condition : FCC 15.247

Company : W6M20701-7793

EUT Model: CT1100 (for Pad)

Execute Program: 802.11b CH1 TX

Note:

	.	Frequency	Reading	Detector	Corrected	Result	Limit	Ant.Pos	Tab.Pos	Margin	Comment	L
IV	k.	(MHz)	(dBuV/m)		factor(dB)	(dBuV/m)	(dBuV/m)	(cm)	(deg.)	(dB)		

Polarization: Vertice
Power: AC 110V/60Hz

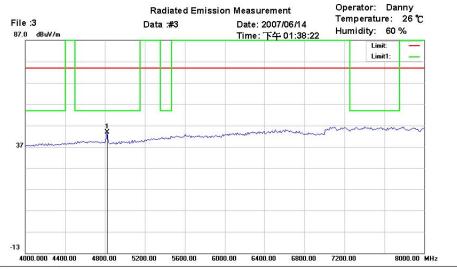
Distance: 3m

Polarization:

Distance: 3m

Power: AC 110V/60Hz

Horizontal



Site: site#1

Condition: FCC 15.247

Company: W6M20701-7793

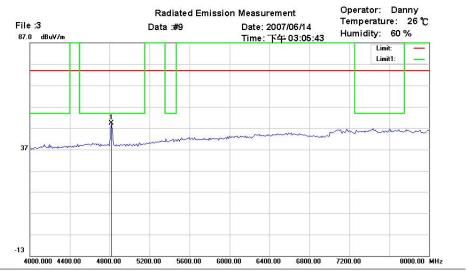
EUT Model: CT1100 (for Pad)

Execute Program: 802.11b CH1 TX

Mk.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected factor(dB)	Result (dBuV/m)			Tab.Pos (deg.)	Margin (dB)	Comment
*	4825.651	45.25	peak	-1.30	43.95	74.00	155	159	-30.05	



FCC ID: UVZCT1100



Site : site #1

Condition: FCC 15.247

Company: W6M20701-7793

EUT Model: CT1100 (for Pad)

Execute Program: 802.11b CH1 TX

Note:

Mk.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected factor(dB)		Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	4817.635	50.60	peak	-1.30	49.30	74.00	160	168	-24.70	

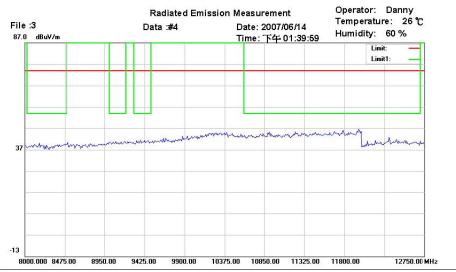
Polarization: Vertice
Power: AC 110V/60Hz

Distance: 3m

Horizontal

Polarization: Horiz Power: AC 110V/60Hz

Distance: 3m



Site : site #1

Condition: FCC 15.247

Company: W6M20701-7793

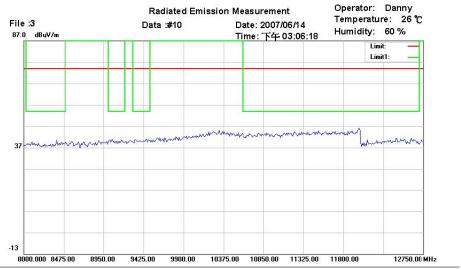
EUT Model: CT1100 (for Pad)

Execute Program: 802.11b CH1 TX

Mk.	Frequency (MHz)	Reading (dBuV/m)		Corrected factor(dB)				Tab.Pos (deg.)		Comment
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FCC ID: UVZCT1100



Polarization: Vertice
Power: AC 110V/60Hz

Distance: 3m

Horizontal

Polarization: Horiz Power: AC 110V/60Hz

Distance: 3m

Site: site#1

Condition: FCC 15.247

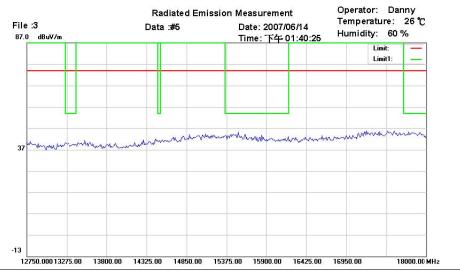
Company: W6M20701-7793

EUT Model: CT1100 (for Pad)

Execute Program: 802.11b CH1 TX

Note:

	Frequency	Reading	Detector	Corrected	Result	Limit	Ant.Pos	Tab.Pos	Margin	Comment
Mk.	(MHz)	(dBuV/m)		factor(dB)	(dBuV/m)	(dBuV/m)	(cm)	(deg.)	(dB)	



Site : site #1

Condition: FCC 15.247

Company: W6M20701-7793

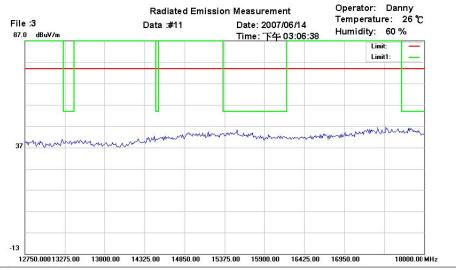
EUT Model: CT1100 (for Pad)

Execute Program: 802.11b CH1 TX

	Frequency	Reading	Detector	Corrected	Result	Limit	Ant.Pos	Tab.Pos	Margin	Comment
M	(MHz)	(dBuV/m)		factor(dB)	(dBuV/m)	(dBuV/m)	(cm)	(deg.)	(dB)	



FCC ID: UVZCT1100



Site: site#1

Frequency (MHz)

Condition: FCC 15.247 Company: W6M20701-7793 EUT Model: CT1100 (for Pad) Execute Program: 802.11b CH1 TX

Reading (dBuV/m)

Detector

Corrected

factor(dB)

Note: Result

(dBuV/m)

Limit

(dBuV/m)

Ant.Pos

Polarization: Power: AC 110V/60Hz

Distance: 3m

Polarization:

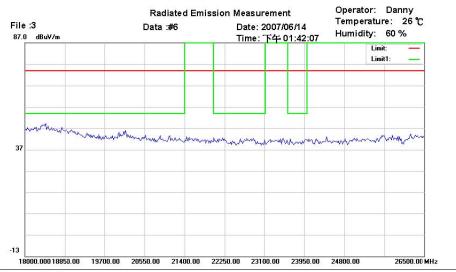
Distance: 3m

Power: AC 110V/60Hz

Horizontal

Tab.Pos Margin

Comment



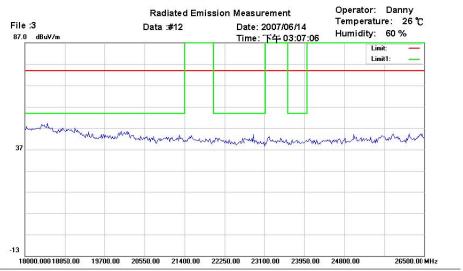
Site: site#1

Condition: FCC 15.247 Company: W6M20701-7793 EUT Model: CT1100 (for Pad) Execute Program: 802.11b CH1 TX

	Frequency	Reading	Detector	Corrected	Result	Limit	Ant.Pos	Tab.Pos	Margin	Comment
Mk.	(MHz)	(dBuV/m)		factor(dB)	(dBuV/m)	(dBuV/m)	(cm)	(deg.)	(dB)	



FCC ID: UVZCT1100



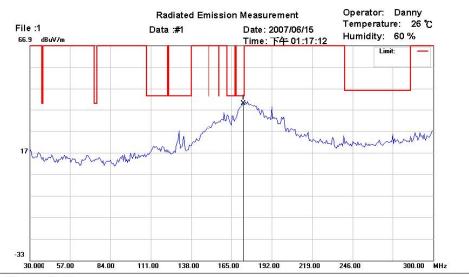
Site: site#1

Condition: FCC 15.247 Company: W6M20701-7793 EUT Model: CT1100 (for Pad) Execute Program: 802.11b CH1 TX

Note:

Polarization: Power: AC 110V/60Hz Distance: 3m

	Frequency	Reading	Corrected				Tab.Pos		Comment
Mk.	(MHz)	(dBuV/m)	factor(dB)	(dBuV/m)	(dBuV/m)	(cm)	(deg.)	(dB)	



site #1 Site :

Condition: FCC 15.247 Company: W6M20701-7793 EUT Model: CT1100 (for Pad)

Execute Program: 802.11b CH6 TX

Note:

Mk.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected factor(dB)				Tab.Pos (deg.)	Margin (dB)	Comment
*	173.1000	20.35	peak	19.78	40.13	43.50	337	130	-3.37	

Polarization:

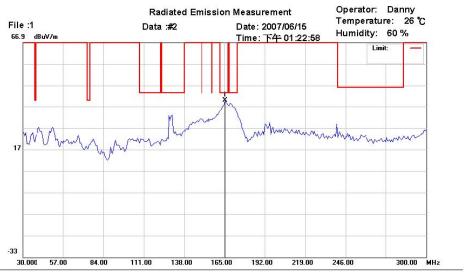
Distance: 3m

Power: AC 110V/60Hz

Horizontal



FCC ID: UVZCT1100



Polarization:

Distance: 3m

Polarization:

Distance: 3m

Power: AC 110 V/60 Hz

Horizontal

Power: AC 110V/60Hz

Vertical

Site : site #1

Condition: FCC 15.247

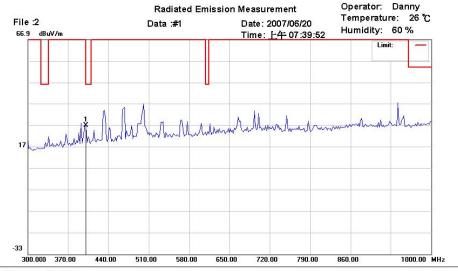
Company: W6M20701-7793

EUT Model: CT1100 (for Pad)

Execute Program: 802.11b CH6 TX

Note:

Mk.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected factor(dB)	Result (dBuV/m)			Tab.Pos (deg.)	Margin (dB)	Comment
*	165.6750	20.63	peak	19.45	40.08	43.50	156	124	-3.42	



Site : site #1

Condition: FCC 15.247

Company: W6M20701-7793

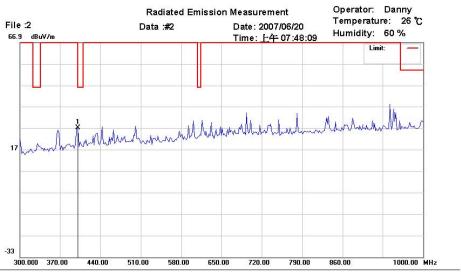
EUT Model: CT1100 (for Pad)

Execute Program: 802.11b CH6 TX

Mk.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected factor(dB)	Result (dBuV/m)		Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	401.5000	5.89	peak	21.01	26.90	46.00	185	230	-19.10	



FCC ID: UVZCT1100



Polarization:

Distance: 3m

Polarization:

Distance: 3m

Power: AC 110V/60Hz

Horizontal

Power: AC 110V/60Hz

Vertical

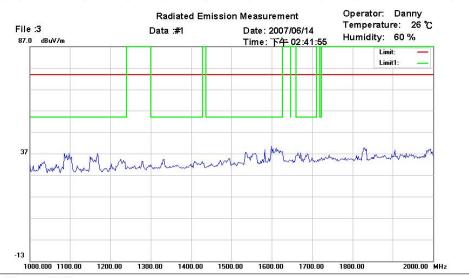
Site: site #1

Condition: FCC 15.247
Company: W6M20701-7793
EUT Model: CT1100 (for Pad)

Execute Program: 802.11b CH6 TX

Note:

Mk.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected factor(dB)				Tab.Pos (deg.)	Margin (dB)	Comment
*	400.0000	6.13	peak	20.94	27.07	46.00	345	92	-18.93	



Site : site #1

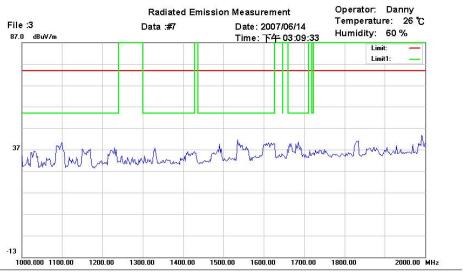
Condition: FCC 15.247
Company: W6M20701-7793
EUT Model: CT1100 (for Pad)

Execute Program: 802.11b CH6 TX

Mk.	Frequency		Corrected				Tab.Pos		Comment
	(MHz)	(dBuV/m)	factor(dB)	(aBuv/m)	(aBuv/m)	(cm)	(deg.)	(dB)	



FCC ID: UVZCT1100



Polarization:

Distance: 3m

Power: AC 110V/60Hz

Vertical

Horizontal

Site : site #1

Condition: FCC 15.247

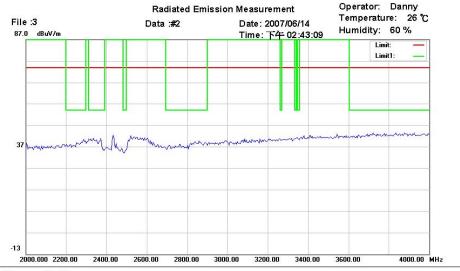
Company: W6M20701-7793

EUT Model: CT1100 (for Pad)

Execute Program: 802.11b CH6 TX

Note:

	Frequency	Reading	Detector	Corrected	Result	Limit	Ant.Pos	Tab.Pos	Margin	Comment
Mk.	(MHz)	(dBuV/m)		factor(dB)	(dBuV/m)	(dBuV/m)	(cm)	(deg.)	(dB)	



Site : site #1

 Condition :
 FCC 15.247
 Polarization:
 Horiz

 Company :
 W6M20701-7793
 Power :
 AC 110V/60Hz

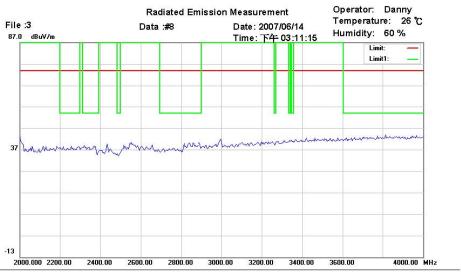
 EUT Model:
 CT1100 (for Pad)
 Distance :
 3m

Execute Program: 802.11b CH6 TX

	Frequency	Reading	Detector	Corrected	Result	Limit	Ant.Pos	Tab.Pos	Margin	Comment
Mk.	(MHz)	(dBuV/m)		factor(dB)	(dBuV/m)	(dBuV/m)	(cm)	(deg.)	(dB)	



FCC ID: UVZCT1100



Polarization:

Distance: 3m

Polarization:

Distance: 3m

Power: AC 110V/60Hz

Horizontal

Power: AC 110V/60Hz

Vertical

Site : site #1

Condition: FCC 15.247

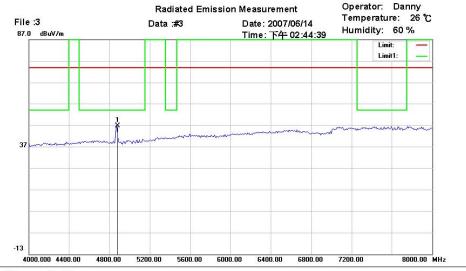
Company: W6M20701-7793

EUT Model: CT1100 (for Pad)

Execute Program: 802.11b CH6 TX

Note

Mk.	Frequency	Reading	Detector	Corrected	Result	Limit	Ant.Pos	Tab.Pos	Margin	Comment	
	(MHz)	(dBuV/m)		factor(dB)	(dBuV/m)	(dBuV/m)	(cm)	(deg.)	(dB)		



Site: site#1

Condition: FCC 15.247
Company: W6M20701-7793
EUT Model: CT1100 (for Pad)

Execute Program: 802.11b CH6 TX

Mk.	Frequency (MHz)	Reading (dBuV/m)	Detector		Result (dBuV/m)	Limit (dBuV/m)		Tab.Pos (deg.)	Margin (dB)	Comment
*	4873.748	47.93	peak	-1.30	46.63	74.00	165	164	-27.37	1