Test Report

Product Name ： Tablet: Wireless Tablet X860/X861;
Dongle: Wireless Tablet Receiver X860/X861

Model No. ： Tablet: RCK-T07, RCK-T07S;
Dongle: RCK-T07R, RCK-T07RS

Applicant ： WALTOP International Corp.

Address ： 3F, No.6-8 Du-Sing RD., Hsin-Chu Science Park Hsin-Chu City 30078, Taiwan, R.O.C.

Date of Receipt ： 2011/02/16

Issued Date ： 2011/02/22

Report No. ： 112195R-RFCEP14V01

Report Version ： V1.0

Test Report Certification

Issued Date : 2011/02/22
Report No. : 112195R-RFCEP14V01

QuieTek

Product Name	:	Tablet: Wireless Tablet X860/X861; Dongle: Wireless Tablet Receiver X860/X861
Applicant	:	WALTOP International Corp.
Address	:	3F, No.6-8 Du-Sing RD., Hsin-Chu Science Park Hsin-Chu City 30078, Taiwan, R.O.C.
Manufacturer	:	(1) Aiptek Technology (Wu Jiang) Co., Ltd. (2) Shanghai Hank Wireless Co., Ltd. (3) Kenmec Technology (Suzhou) Co., Ltd.
Model No.	:	Tablet: RCK-T07, RCK-T07S; Dongle: RCK-T07R, RCK-T07RS
EUT Voltage	:	AC 230 V / 50 Hz
Trade Name	:	WALTOP
Applicable Standard	:	ETSI EN 300 328: V1.7.1 (2006-10)
Test Result	:	Complied

The test results relate only to the samples tested.
The test report shall not be reproduced except in full without the written approval of QuieTek Corporation.

Documented By : Sandy Chuang

(Sandy Chuang / Engineering Adm. Specialist)

Tested By : JuBo Shen

(JuBo Shen / Engineer)

Approved By : Roy Wang

(Roy Wang / Manager)

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1. General Information

1.1. EUT Description

Product Name	Tablet: Wireless Tablet X860/X861; Dongle: Wireless Tablet Receiver X860/X861
Trade Name	WALTOP
Model No.	Tablet: RCK-T07, RCK-T07S; Dongle: RCK-T07R, RCK-T07RS
Frequency Range	2402~2479MHz
Channel Number	78
Type of Modulation	Direct Sequence Spread Spectrum (DSSS)
Antenna Gain	-0.51dBi (Tablet) -3.67dBi (Dongle)
Channel Control	Auto
Antenna Type	Soldered on PCB

Component	
USB Cable	Shielded, 1.5m, two ferrite cores bonded.

Working Frequency of Each Channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
Channel 01	2402 MHz	Channel 21	2422 MHz	Channel 41	2442 MHz	Channel 61	2462 MHz
Channel 02	2403 MHz	Channel 22	2423 MHz	Channel 42	2443 MHz	Channel 62	2463 MHz
Channel 03	2404 MHz	Channel 23	2424 MHz	Channel 43	2444 MHz	Channel 63	2464 MHz
Channel 04	2405 MHz	Channel 24	2425 MHz	Channel 44	2445 MHz	Channel 64	2465 MHz
Channel 05	2406 MHz	Channel 25	2426 MHz	Channel 45	2446 MHz	Channel 65	2466 MHz
Channel 06	2407 MHz	Channel 26	2427 MHz	Channel 46	2447 MHz	Channel 66	2467 MHz
Channel 07	2408 MHz	Channel 27	2428 MHz	Channel 47	2448 MHz	Channel 67	2468 MHz
Channel 08	2409 MHz	Channel 28	2429 MHz	Channel 48	2449 MHz	Channel 68	2469 MHz
Channel 09	2410 MHz	Channel 29	2430 MHz	Channel 49	2450 MHz	Channel 69	2470 MHz
Channel 10	2411 MHz	Channel 30	2431 MHz	Channel 50	2451 MHz	Channel 70	2471 MHz
Channel 11	2412 MHz	Channel 31	2432 MHz	Channel 51	2452 MHz	Channel 71	2472 MHz
Channel 12	2413 MHz	Channel 32	2433 MHz	Channel 52	2453 MHz	Channel 72	2473 MHz
Channel 13	2414 MHz	Channel 33	2434 MHz	Channel 53	2454 MHz	Channel 73	2474 MHz
Channel 14	2415 MHz	Channel 34	2435 MHz	Channel 54	2455 MHz	Channel 74	2475 MHz
Channel 15	2416 MHz	Channel 35	2436 MHz	Channel 55	2456 MHz	Channel 75	2476 MHz
Channel 16	2417 MHz	Channel 36	2437 MHz	Channel 56	2457 MHz	Channel 76	2477 MHz
Channel 17	2418 MHz	Channel 37	2438 MHz	Channel 57	2458 MHz	Channel 77	2478 MHz
Channel 18	2419 MHz	Channel 38	2439 MHz	Channel 58	2459 MHz	Channel 78	2479 MHz
Channel 19	2420 MHz	Channel 39	2440 MHz	Channel 59	2460 MHz		
Channel 20	2421 MHz	Channel 40	2441 MHz	Channel 60	2461 MHz		

Note:

1. This device is a Tablet: Wireless Tablet X860/X861; Dongle: Wireless Tablet Receiver X860/X861 a 2.4GHz receiving function, and 2.4GHz transmitting function.
2. Regards to the frequency band operations; three channels were selected to perform the test, and then show on this report.
3. This device is a composite device in accordance with ETSI regulations. The EMC was measured and made a test report that the report number is 112195R-RFCEP76V01.

1.2. Test Mode

QuieTek has verified the construction and function in typical operation. All the test modes were carried out with the EUT in normal operation, which was shown in this test report and defined as:

Pre-Test Mode	
Mode 1: Transmit (Tablet) Mode 2: Transmit (Dongle) Mode 3: Receive (Tablet) Mode 4: Receive (Dongle)	
Final Test Mode	
TX	Mode 1: Transmit (Tablet) Mode 2: Transmit (Dongle)
RX	Mode 3: Receive (Tablet) Mode 4: Receive (Dongle)

1.3. Tested System Details

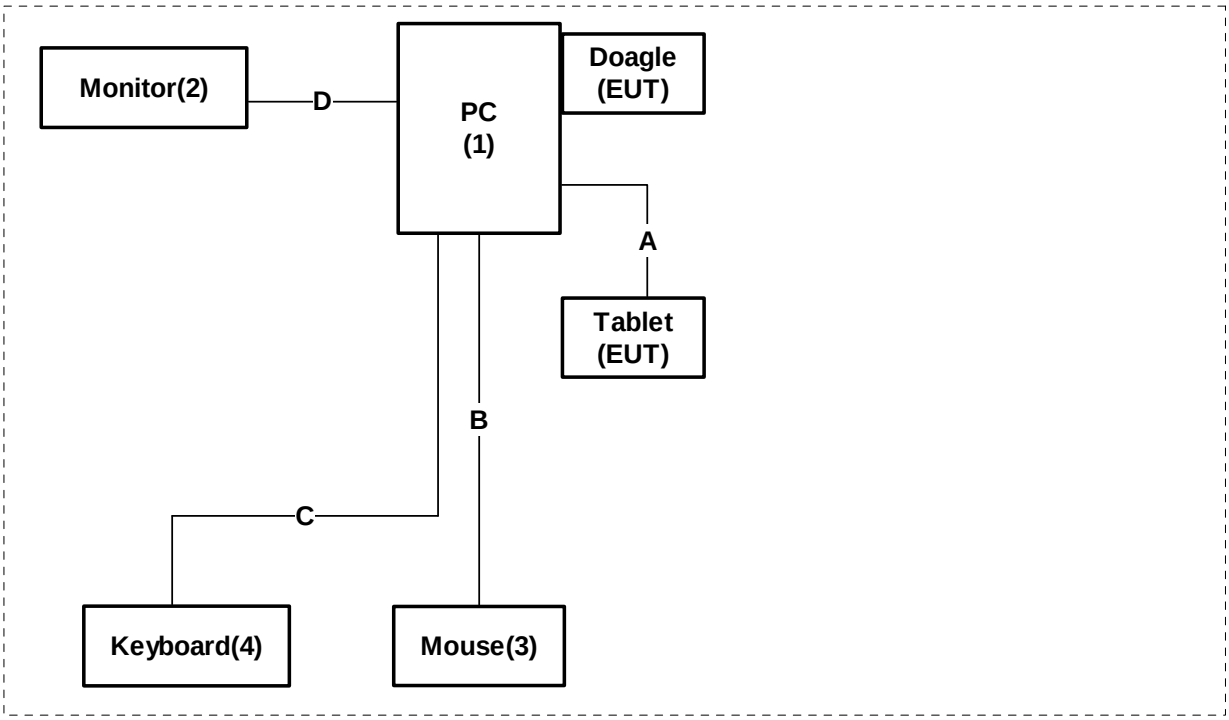
The types for all equipments, plus descriptions of all cables used in the tested system (including inserted cards) are:

Product		Manufacturer	Model No.	Serial No.	Power Cord
1	PC	HP	DTPC27	SG21200950	Non-shielded, 1.8m
2	Monitor	CHI MEI	A170E1-09	3UC120955SA1249	Non-shielded, 1.8m
3	Mouse	Logitech	M-SBF83	HCA52200288	--
4	Keyboard	ACER	6311-TW2C	N/A	--

1.4. Configuration of tested System

Test Mode	Mode 1: Transmit (Tablet) Mode 3: Receive (Tablet)

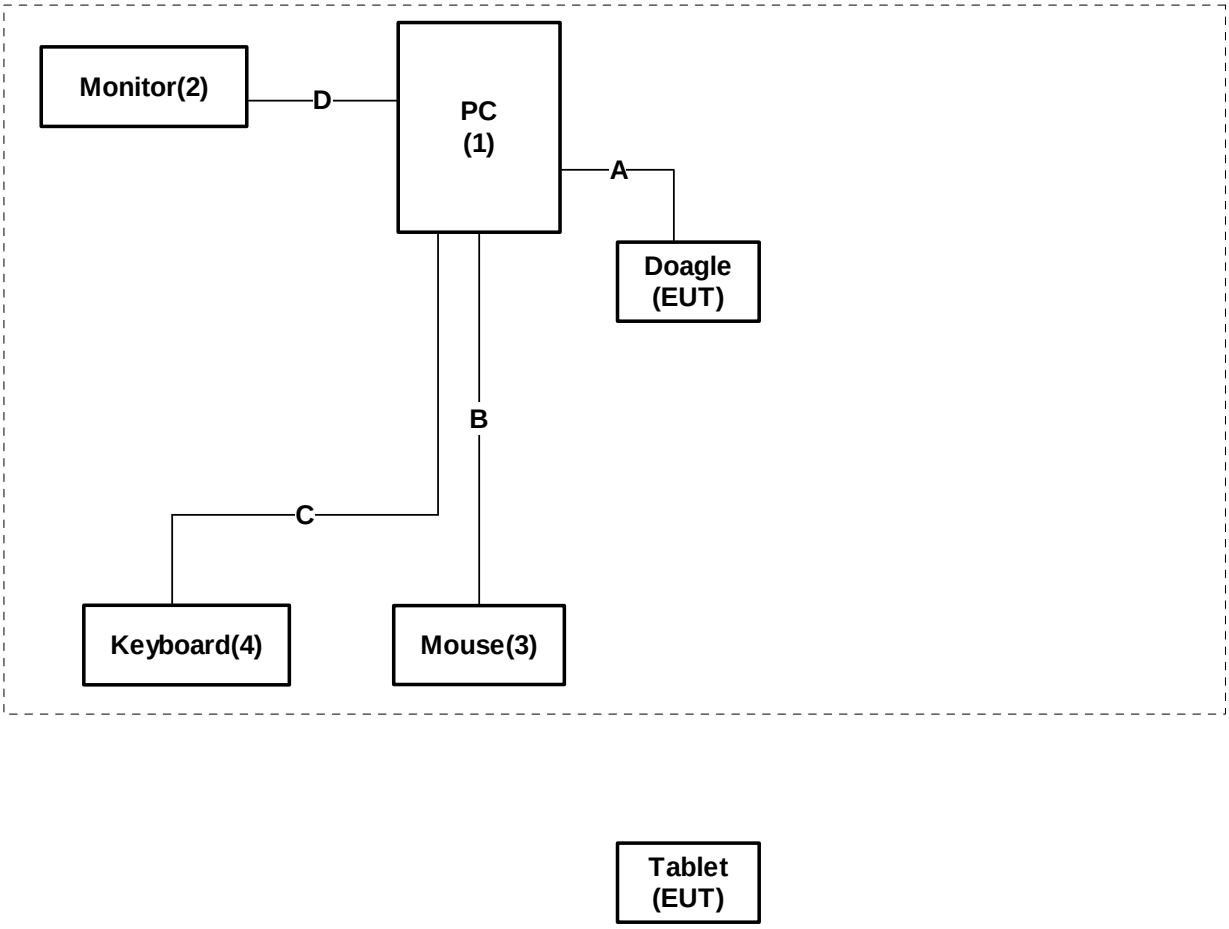
Connection Diagram



Signal Cable Type		Signal cable Description
A	USB Cable	Shielded, 1.8m, two ferrite cores bonded.
B	Mouse Cable	Shielded, 1.8m
C	Keyboard Cable	Shielded, 1.8m
D	VGA Cable	Shielded, 1.8m, two ferrite cores bonded.

Test Mode	Mode 2: Transmit (Dongle) Mode 4: Receive (Dongle)

Connection Diagram



Signal Cable Type		Signal cable Description
A	USB Cable	Shielded, 1.8m, two ferrite cores bonded.
B	Mouse Cable	Shielded, 1.8m
C	Keyboard Cable	Shielded, 1.8m
D	VGA Cable	Shielded, 1.8m, two ferrite cores bonded.

1.5. EUT Exercise Software

1	Setup the EUT and simulators as shown on 1.4
2	Turn on the power of all equipment.
3	Notebook PC reads data from disk.
4	Data will be transmitting through EUT.
5	The transmitting status will be shown on the monitor.
6	Repeat the above procedure (4) to (5).
7	Data will be receiving through EUT.
8	The receiving status will be shown on the monitor.
9	Repeat the above procedure (7) to (8).

1.6. Test Facility

Ambient conditions in the laboratory:

Items	Test Item	Required (IEC 68-1)	Actual
Temperature (°C)	ETSI EN 300 328 Effective Radiated Power	15 - 35	20
Humidity (%RH)		20 - 75	58
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	ETSI EN 300 328 Maximum Spectral Power Density	15 - 35	20
Humidity (%RH)		20 - 75	59
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	ETSI EN 300 328 Frequency Range	15 - 35	20
Humidity (%RH)		20 - 75	57
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	ETSI EN 300 328 Transmitter Spurious Emissions	15 - 35	25
Humidity (%RH)		20 - 75	60
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	ETSI EN 300 328 Receiver Spurious Emissions	15 - 35	25
Humidity (%RH)		20 - 75	60
Barometric pressure (mbar)		860 - 1060	950-1000

Site Description:

Accredited by NVLAP
NVLAP Lab Code: 200347-0
Effective through: September 30, 2011

Accredited by TAF
Accreditation Number: 1313
Effective through: December 27, 2013

Accredited by DNV
Statement No. : 413-99-LAB11
Effective through: March 23, 2011

Accredited by TUV
Certificate No.: 10011438-2-2010
Effective through: February 23, 2012

Accredited by Nemko
Authorisation No.: ELA 165
Effective through: December 31, 2011

Site Name: Quietek Corporation

Site Address: No. 75-2, 3rd Lin, Wangye Keng, Yonghxing Tsuen, Qionglin Shiang, Hsinchu County 307, Taiwan
TEL : 886-3-5928858 / FAX : 886-3-5928859
E-Mail : service@quietek.com

2. Effective isotropic radiated power

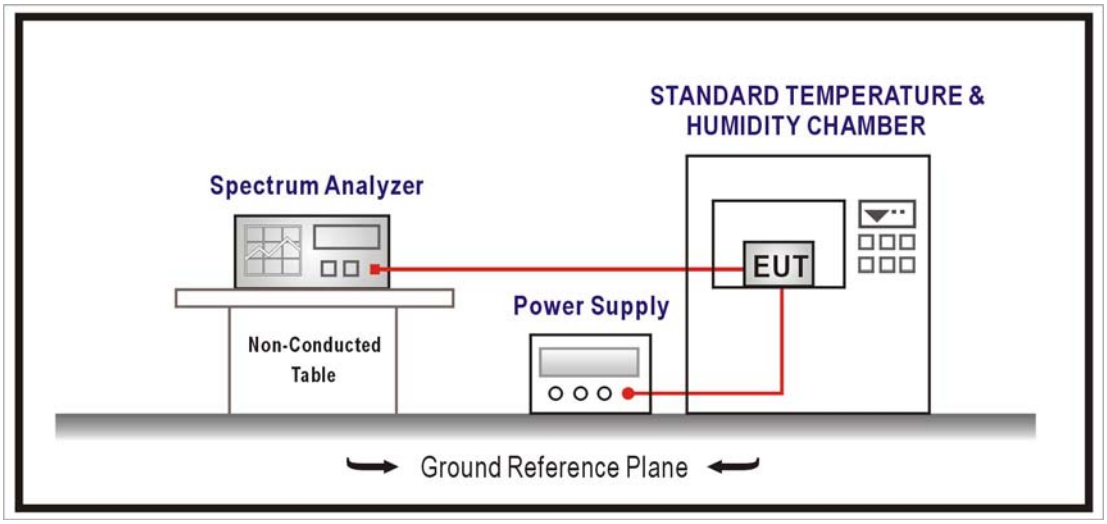
2.1. Test Equipment

The following test equipment are used during the test:

Item	Equipment	Manufacturer	Model No. / Serial No.	Last Cal.
1	Spectrum Analyzer	R & S	FSP / 100561	Mar., 2007
2	STANDARD TEMPERATURE & HUMIDITY CHAMBER	WIT	TH-1S-B / 108210	Nov., 2006
3	No.1 OATS			Sep., 2006

Note: All equipment upon which need to calibrated are with calibration period of 1 year.

2.2. Test Setup



2.3. Test Condition

➢ Normal test conditions

— Normal temperature and humidity：

The normal temperature and humidity conditions for tests shall be any convenient combination of temperature and humidity within the following ranges：

- temperature： +15℃ to +35℃
- relative humidity：20 % to 75 %

— Normal power source：

Main voltage：

The normal test voltages for equipment to be connected to the mains shall be the nominal mains voltage. For purpose of the present document, the nominal voltage shall be the voltage(s) for which the equipment was designed.

The frequency of the test power source corresponding to the AC mains shall be between 49 Hz and 51 Hz.

Lead-acid battery power sources used on vehicles：

When radio equipment is intended for operation from the usual, alternator fed lead-acid battery power sources used on vehicles, the normal test voltages shall be 1.1 times the nominal voltage of the battery (6V, 12 V, etc.).

➢ Extreme test conditions

— Extreme temperature ranges：

For tests extreme temperatures, measurements shall be made in accordance with the procedures specified, at the upper and lower temperatures of the ranges as follows：

- temperature： -20℃ to +55℃

Where the manufacturer’s stated operating range does not include the range of -20℃ to +55℃, the equipment shall be tested over the following temperature ranges：

a) 0℃ to +35℃ for equipment intended for indoor use only, or intended for use in areas where the temperature is controlled within this range；
b) over the extremes of the operating temperature range(s) of the stated combination(s) or host equipment(s) in case of plug-in radio devices.

— Extreme test source voltages：

Main voltage：

The extreme test voltages for equipment to be connected to an ac mains source shall be the nominal mains voltage 10 %.

Lead-acid battery power sources used on vehicles：

When radio equipment is intended for operation from the usual type of alternator fed lead-acid battery power sources used on vehicles, the extreme test voltages shall be 1.3 and 0.9 times the nominal voltage of the battery (6V, 12 V, etc.).

2.4. Limits

The effective radiated power is defined as the total power of the transmitter.
The effective radiated power shall be equal to or less than -10 dBW (100 mW) e.i.r.p. This limit shall apply for any combination of power level and intended antenna assembly.

2.5. Test Procedure

The following method of measurement shall apply to both conducted and radiated measurements.
The measurement shall be performed using normal operation of the equipment with modulation, using the test data sequence, applied. Using a suitable means, the output of the transmitter shall be coupled to a diode detector; the output of the diode detector shall be connected to the vertical channel of an oscilloscope; the combination of the diode detector and the oscilloscope shall be capable of faithfully reproducing the envelope peaks and the duty cycle of the transmitter output signal.
The measurement shall be repeated at the lowest, the middle, and highest frequency of the stated frequency range.
FHSS equipment shall be made to hop continuously to each of these three frequencies separately.

2.6. Test Specification

According to ETSI EN 300 328: V1.7.1 (2006-10)

2.7. Uncertainty

The measurement uncertainty is defined as ± 1.27dB

2.8. Test Result

Product	Tablet: Wireless Tablet X860/X861; Dongle: Wireless Tablet Receiver X860/X861		
Test Item	Effective isotropic radiated power		
Test Mode	Mode 1: Transmit (Tablet)		
Date of Test	2007/04/14	Test Site	No.1 OATS

Antenna Gain: -0.51dBi

Detector: Average

Test Conditions		Channel	Frequency (MHz)	Reading Level (dBm)	Emission Level (dBm)	Limit (dBm)
Tnom (25) °C	Vnom (230)V	01	2402	10.37	9.83	20
		39	2440	10.11	9.60	20
		78	2479	10.21	9.70	20
Tmax (35) °C	Vmax (253)V	01	2402	10.05	9.54	20
		39	2440	10.24	9.73	20
		78	2479	10.36	9.85	20
Tmax (35) °C	Vmin (207)V	01	2402	10.77	10.26	20
		39	2440	10.02	9.51	20
		78	2479	10.41	9.90	20
Tmin (0) °C	Vmax (253)V	01	2402	10.37	9.86	20
		39	2440	10.04	9.53	20
		78	2479	10.11	9.60	20
Tmin (0) °C	Vmin (207)V	01	2402	10.62	10.11	20
		39	2440	10.13	9.62	20
		78	2479	10.06	9.55	20

* Emission Level = Reading Level + Antenna Gain + 10 log (1/Duty Cycle)

Test Result	PASS

Remark:

Channel 01 Lowest frequency at the appropriate spurious emission level

Channel 39 Middle frequency at the appropriate spurious emission level

Channel 78 Highest frequency at the appropriate spurious emission level

Product	Tablet: Wireless Tablet X860/X861; Dongle: Wireless Tablet Receiver X860/X861		
Test Item	Effective radiated power		
Test Mode	Mode 2: Transmit (Dongle)		
Date of Test	2007/04/14	Test Site	No.1 OATS

Antenna Gain: -3.67dBi

Detector: Average

Test Conditions		Channel	Frequency (MHz)	Reading Level (dBm)	Emission Level (dBm)	Limit (dBm)
Tnom (25) °C	Vnom (230)V	01	2402	-3.72	-7.39	20
		39	2440	-3.70	-7.37	20
		78	2479	-3.53	-7.20	20
Tmax (35) °C	Vmax (253)V	01	2402	-4.09	-7.76	20
		39	2440	-4.86	-8.53	20
		78	2479	-4.84	-8.51	20
Tmax (35) °C	Vmin (207)V	01	2402	-5.42	-9.09	20
		39	2440	-4.21	-7.88	20
		78	2479	-5.26	-8.93	20
Tmin (0) °C	Vmax (253)V	01	2402	-5.78	-9.45	20
		39	2440	-5.98	-9.65	20
		78	2479	-5.33	-9.00	20
Tmin (0) °C	Vmin (207)V	01	2402	-7.43	-11.1	20
		39	2440	-6.60	-10.27	20
		78	2479	-6.18	-9.85	20

* Emission Level = Reading Level + Antenna Gain + 10 log (1/Duty Cycle)

Test Result	PASS

Remark:

Channel 01 Lowest frequency at the appropriate spurious emission level

Channel 39 Middle frequency at the appropriate spurious emission level

Channel 78 Highest frequency at the appropriate spurious emission level

3. Maximum spectral power density

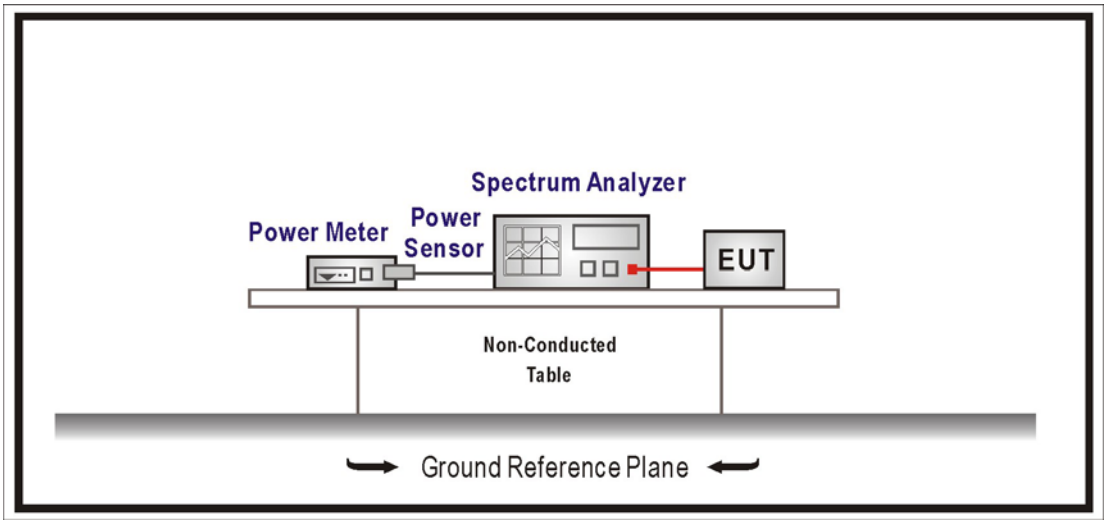
3.1. Test Equipment

The following test equipment are used during the test:

Item	Equipment	Manufacturer	Model No. / Serial No.	Last Cal.
1	Spectrum Analyzer	R & S	FSP / 100561	Mar., 2007
2	Power Meter	Agilent	E4416A / GB41291630	May, 2007
3	Power Sensor	Agilent	E9323A / US40411166	May, 2007
4	No.1 OATS			Sep., 2006

Note: All equipment upon which need to calibrated are with calibration period of 1 year.

3.2. Test Setup



3.3. Test Condition

Standard Temperature and Humidity, Standard Test Voltage

3.4. Limits

The maximum spectral power density is defined as the highest level of power in Watts per Hertz generated by the transmitter within the power envelope.

For equipment using FHSS modulation, the maximum spectral power density shall be limited to -10 dBW (100 mW) per 100 kHz e.i.r.p. For equipment using other types of modulation, the maximum spectral power density shall be limited to-20 dBW(10 mW) per MHz e.i.r.p.

3.5. Test Procedure

The maximum spectral power density shall be determined using a spectrum analyzer of adequate bandwidth for the type of modulation being used in combination with an RF power meter.

Connect an RF power meter to the IF output of the spectrum analyzer and correct its reading using a known reference source, e.g. a signal generator.

The above procedure shall be repeated for each of the three frequencies identified by the procedure given in limit (subclause 5.7.2.2.)

Where the spectrum analyzer bandwidth is non-Gaussian, a suitable correction factor shall be determined and applied.

Where a spectrum analyzer is equipped with a facility to measure power density, this facility may be used instead of the above procedure.

3.6. Test Specification

According to ETSI EN 300 328: V1.7.1 (2006-10)

3.7. Uncertainty

The measurement uncertainty is defined as ±1.27dB.

3.8. Test Result

Product	Tablet: Wireless Tablet X860/X861; Dongle: Wireless Tablet Receiver X860/X861		
Test Item	Maximum Spectral Power Density		
Test Mode	Mode 1: Transmit (Tablet)		
Date of Test	2007/04/13	Test Site	No.1 OATS

Antenna Gain: -0.51dBi, Duty Cycle: 1

Channel	Frequency (MHz)	Reading Level (dBm/MHz)	Emission Level (dBm/MHz)	Limit (dBm/MHz)
01	2402	-5.48	-5.99	10
39	2440	-5.75	-6.26	10
78	2479	-6.05	-6.56	10

* Emission Level = Reading Level + Antenna Gain + 10 log (1/Duty Cycle)

Test Result	PASS

Remark:

Channel 01 Lowest frequency at the appropriate spurious emission level
Channel 39 Middle frequency at the appropriate spurious emission level
Channel 78 Highest frequency at the appropriate spurious emission level

Product	Tablet: Wireless Tablet X860/X861; Dongle: Wireless Tablet Receiver X860/X861		
Test Item	Maximum Spectral Power Density		
Test Mode	Mode 2: Transmit (Dongle)		
Date of Test	2007/04/13	Test Site	No.1 OATS

Antenna Gain: -3.67dBi, Duty Cycle: 1				
Channel	Frequency (MHz)	Reading Level (dBm/MHz)	Emission Level (dBm/MHz)	Limit (dBm/MHz)
01	2402	-10.25	-13.92	10
39	2440	-10.58	-14.25	10
78	2479	-11.62	-15.29	10

* Emission Level = Reading Level + Antenna Gain + 10 log (1/Duty Cycle)

Test Result	PASS

Remark:

Channel 01 Lowest frequency at the appropriate spurious emission level

Channel 39 Middle frequency at the appropriate spurious emission level

Channel 78 Highest frequency at the appropriate spurious emission level

4. Frequency range

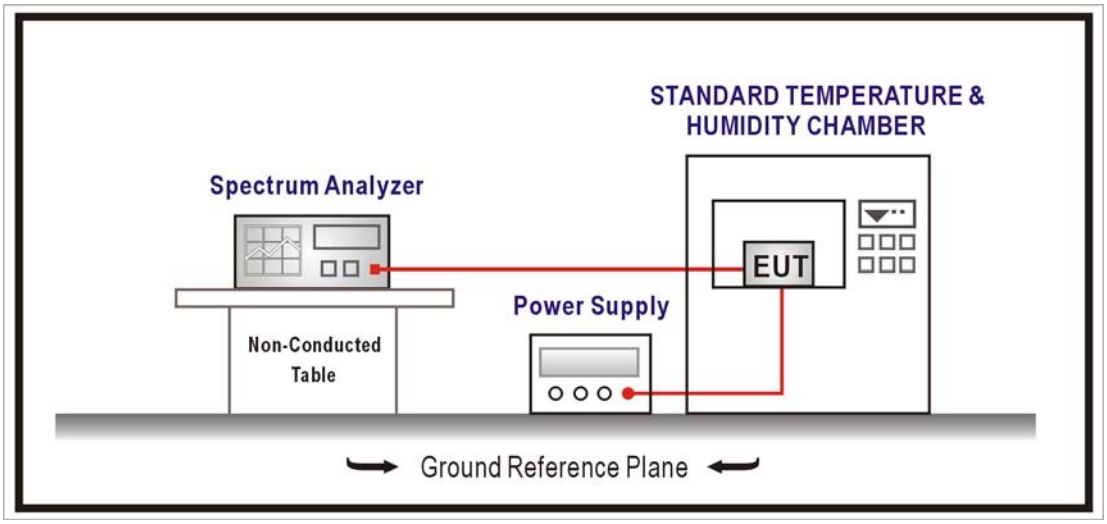
4.1. Test Equipment

The following test equipment are used during the test:

Item	Equipment	Manufacturer	Model No. / Serial No.	Last Cal.
1	Spectrum Analyzer	R & S	FSP / 100561	Mar., 2007
2	STANDARD TEMPERATURE & HUMIDITY CHAMBER	WIT	TH-1S-B / 108210	Nov., 2006
3	No.1 OATS			Sep., 2006

Note: All equipment upon which need to calibrated are with calibration period of 1 year.

4.2. Test Setup



4.3. Test Condition

➢ Normal test conditions

— Normal temperature and humidity：

The normal temperature and humidity conditions for tests shall be any convenient combination of temperature and humidity within the following ranges：

- temperature： +15℃ to +35℃
- relative humidity：20 % to 75 %

— Normal power source：

Main voltage：

The normal test voltages for equipment to be connected to the mains shall be the nominal mains voltage. For purpose of the present document, the nominal voltage shall be the voltage(s) for which the equipment was designed.

The frequency of the test power source corresponding to the AC mains shall be between 49 Hz and 51 Hz.

Lead-acid battery power sources used on vehicles：

When radio equipment is intended for operation from the usual, alternator fed lead-acid battery power sources used on vehicles, the normal test voltages shall be 1.1 times the nominal voltage of the battery (6V, 12 V, etc.).

➢ Extreme test conditions

— Extreme temperature ranges：

For tests extreme temperatures, measurements shall be made in accordance with the procedures specified, at the upper and lower temperatures of the ranges as follows：

- temperature： -20℃ to +55℃

Where the manufacturer’s stated operating range does not include the range of -20℃ to +55℃, the equipment shall be tested over the following temperature ranges：

c) 0℃ to +35℃ for equipment intended for indoor use only, or intended for use in areas where the temperature is controlled within this range；

d) over the extremes of the operating temperature range(s) of the stated combination(s) or host equipment(s) in case of plug-in radio devices.

— Extreme test source voltages：

Main voltage：

The extreme test voltages for equipment to be connected to an ac mains source shall be the nominal mains voltage 10 %.

Lead-acid battery power sources used on vehicles：

When radio equipment is intended for operation from the usual type of alternator fed lead-acid battery power sources used on vehicles, the extreme test voltages shall be 1.3 and 0.9 times the nominal voltage of the battery (6V, 12 V, etc.).

4.4. Limits

The frequency range of the equipment is determined by the lowest and highest frequencies occupied by the power envelope.

f_H is the highest frequency of the power envelope: it is the frequency furthest above the frequency of maximum power where the output power drops below the level of -80 dBm/Hz e.i.r.p. spectral power density (-30 dBm if measured in a100 kHz bandwidth).

f_L is the lowest frequency of the power envelope; it is the frequency furthest below the frequency of maximum power where the output power drops below the level equivalent to -80 dBm/Hz e.i.r.p. spectral power density (or -30 dBm if measured in a 100 kHz bandwidth).

For a given operating frequency, the width of the power envelope is ($f_H - f_L$). In equipment that allows adjustment or selection of difference operation frequencies, the power envelope takes up difference positions in the allowed band. The frequency range is determined by the lowest value of f_L and the highest value of f_H resulting from the adjustment of the equipment to the lowest and highest operating frequencies.

For all equipment the frequency range shall lie within the band 2.4GHz to 2.4835GHz (f_L > 2.4GHz and f_H < 2.4835GHz).

4.5. Test Procedure

The measurement procedure shall be as follows:

a) Place the spectrum analyzer in video averaging mode with a minimum of 50 sweeps selected and activate the transmitter with modulation applied. The RF emission of the equipment shall be displayed on the spectrum analyzer;

b) Select lowest operating frequency of the equipment under test;

c) Using the marker of the spectrum analyzer, find lowest frequency below the operating frequency at which spectral power density drops below the level given in limit (subclause 4.3.3.1);

d) Select the highest operating frequency of the equipment under test;

e) Find the highest frequency at which the spectral power density drops below the value given in limit (subclause 4.3.3.1);

f) The difference between the frequencies measured in steps c) and e) is the frequency range.

4.6. Test Specification

According to ETSI EN 300 328: V1.7.1 (2006-10)

4.7. Uncertainty

The measurement uncertainty is defined as ± 100k

4.8. Test Result

Product	Tablet: Wireless Tablet X860/X861; Dongle: Wireless Tablet Receiver X860/X861		
Test Item	Frequency range		
Test Mode	Mode 1: Transmit (Tablet)		
Date of Test	2007/04/14	Test Site	No.1 OATS

Antenna Gain: -0.51dBi, Duty Cycle: 1			
Test Conditions		Frequency (MHz)	
Tnom (25) ^{o}C	Vnom (230)V	F_L	2401.50
		F_H	2479.68
Tmax (35) ^{o}C	Vmax (253)V	F_L	2401.48
		F_H	2479.68
Tmax (35) ^{o}C	Vmin (207)V	F_L	2401.50
		F_H	2479.70
Tmin (0) ^{o}C	Vmax (253)V	F_L	2401.58
		F_H	2479.66
Tmin (0) ^{o}C	Vmin (207)V	F_L	2401.56
		F_H	2479.62

Test Result	F_L: 2401.48MHz F_H: 2479.70 MHz $F_H - F_L$: 78.22 MHz

Remark:

F_L Lowest frequency at the appropriate spurious emission level

F_H Highest frequency at the appropriate spurious emission level

Product	Tablet: Wireless Tablet X860/X861; Dongle: Wireless Tablet Receiver X860/X861		
Test Item	Frequency range		
Test Mode	Mode 2: Transmit (Dongle)		
Date of Test	2007/04/14	Test Site	No.1 OATS

Antenna Gain: -3.67dBi, Duty Cycle: 1			
Test Conditions		Frequency (MHz)	
Tnom (25) °C	Vnom (230)V	F_L	2401.52
		F_H	2479.68
Tmax (35) °C	Vmax (253)V	F_L	2401.54
		F_H	2479.68
Tmax (35) °C	Vmin (207)V	F_L	2401.66
		F_H	2479.68
Tmin (0) °C	Vmax (253)V	F_L	2401.44
		F_H	2479.68
Tmin (0) °C	Vmin (207)V	F_L	2401.54
		F_H	2479.66

Test Result	F_L: 2401.44MHz F_H: 2479.68 MHz $F_H - F_L$: 78.24 MHz

Remark:

F_L Lowest frequency at the appropriate spurious emission level

F_H Highest frequency at the appropriate spurious emission level

5. Transmitter spurious emission

5.1. Test Equipment

The following test equipment are used during the test:

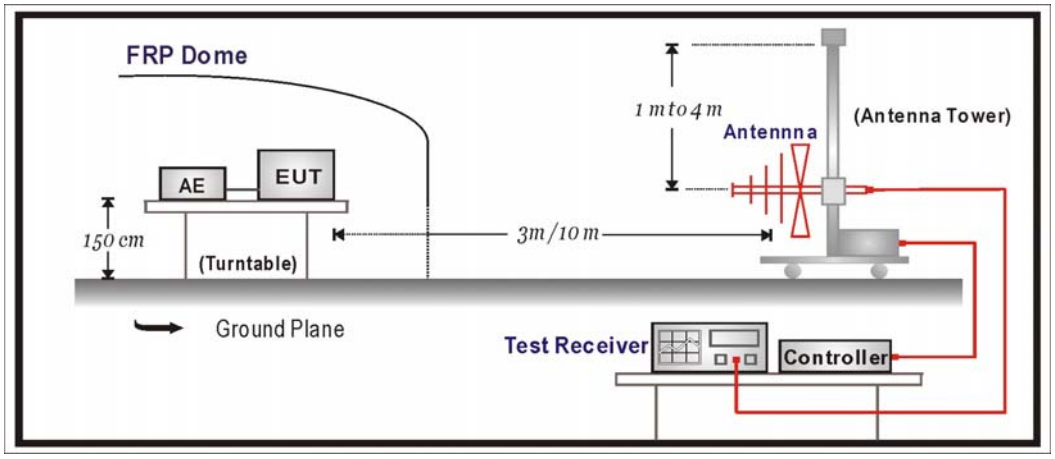
Radiated Emission / Site1

Instrument	Manufacturer	Type No.	Serial No	Cal. Date
Bilog Antenna	Schaffner Chase	CBL6112B	2455	2006/09/03
Horn Antenna	Schwarzbeck	BBHA 9120D	BBHA9120D312	2006/07/29
Pre-Amplifier	HP	8449B	3008A01123	2006/11/15
Pre-Amplifier	HP	8447D	2944A09276	N/A
Spectrum Analyzer	Advantest	R3261C	81720266	2007/03/31
Spectrum Analyzer	R & S	FSP40	100005	2006/08/25
Test Receiver	R & S	ESCS 30	825442/017	2007/02/13

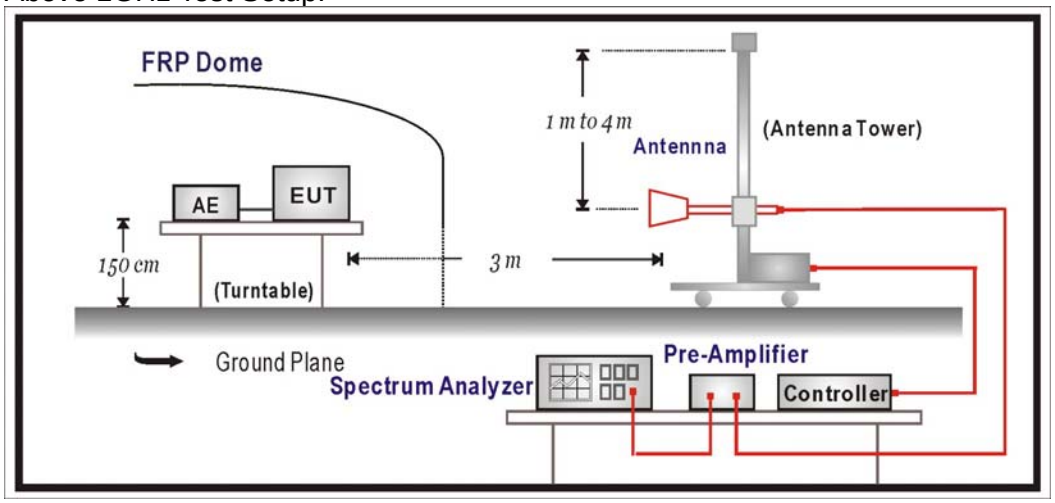
Note: 1. All equipments that need to calibrate are with calibration period of 1 year.
2. “N/A” Ca1.Date is used to Pre-test, not final test.

5.2. Test Setup

Under 1GHz Test Setup:



Above 1GHz Test Setup:



5.3. Test Condition

Standard Temperature and Humidity, Standard Test Voltage

5.4. Limits

Transmitter limits for narrowband spurious emission

Frequency Range	Limit when operating	Limit when in standby
30MHzto 1 GHz	-36 dBm	-57 dBm
Above 1 GHz to 12.75 GHz	-30 dBm	-47 dBm
1.8 GHz to 1.9 GHz 5.15 GHz to 5.3 GHz	-47 dBm	-47 dBm

Transmitter limits for wideband spurious emission

Frequency Range	Limit when operating	Limit when in standby
30MHzto 1 GHz	-86 dBm/Hz	-107 dBm/Hz
Above 1 GHz to 12.75 GHz	-80 dBm/Hz	-97 dBm/Hz
1.8 GHz to 1.9 GHz 5.15 GHz to 5.3 GHz	-97 dBm/Hz	-97 dBm/Hz

5.5. Test Procedure

The EUT and its simulators are placed on a turn table which is 1.5 meters above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.

Broadband antenna (calibrated bi-log and horn antenna) are used as a receiving antenna. Both horizontal and vertical polarization of the antenna are set on measurement. And a high frequency preamlifier were used increase the sensitivity of the measuring. In order to find the maximum emission, all of the interface cables must be manipulated according to ETSI EN 300 328: V1.7.1 (2006-10) on radiated measurement.

The additional notch filter below 1GHz was used to measure the level of harmonics radiated emission during field strength of harmonics measurement. The bandwidth setting on the field strength meter (R & S Spectrum Analyzer FSP40)is 100 kHz. The frequency range from 30MHz to 12.75GHz is checked.

5.6. Test Specification

According to ETSI EN 300 328: V1.7.1 (2006-10)

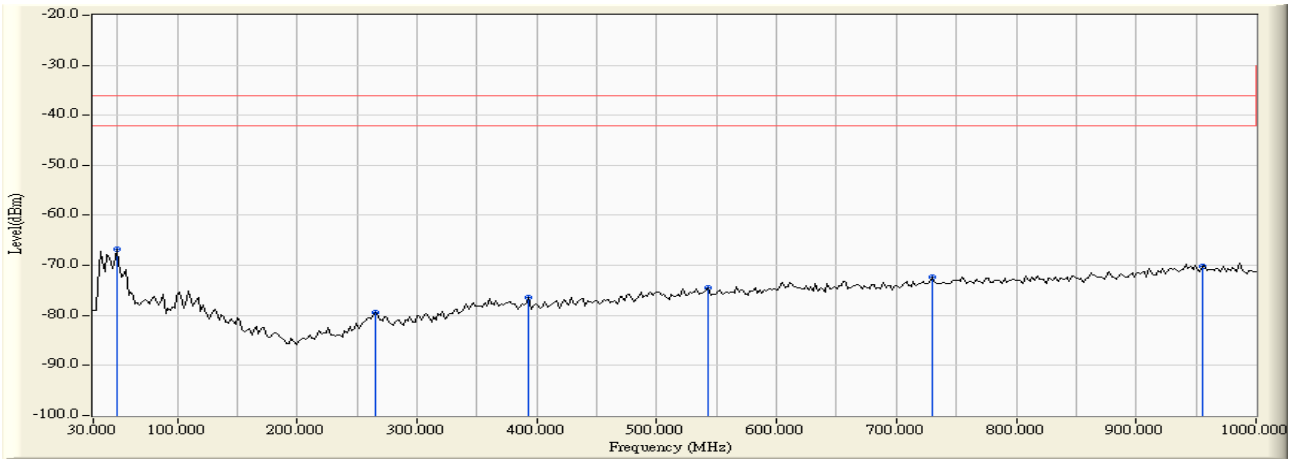
5.7. Uncertainty

The measurement uncertainty above 1G is defined as ± 3.9 dB, under 1G is defined as ± 3.8 dB.

5.8. Test Result

30 MHz-1GHz Spurious:

Site : Site 1	Time : 2007/04/19 - 10:14
Limit : ETSI_300328_TX_00M_PK	Margin : 6
EUT : Tablet: Wireless Tablet X860/X861; Dongle: Wireless Tablet Receiver X860/X861	Probe : CE_Replace_30-1G(200701) - HORIZONTAL
Power : AC 230V/50Hz	Note : TX-39(Mode 1: Transmit (Tablet))

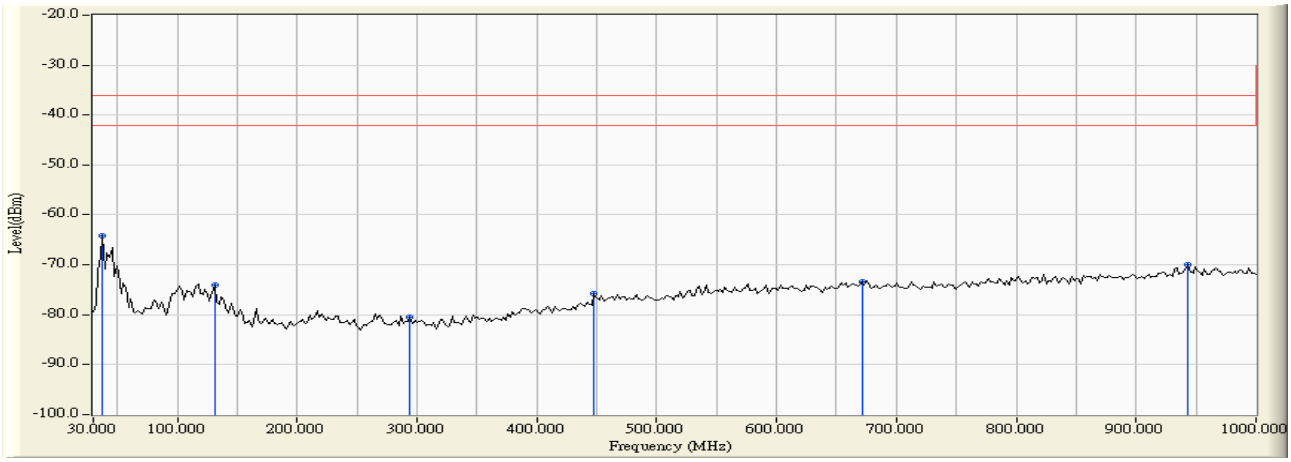


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1	*	49.439	12.069	-78.854	-66.786	-30.786	-36.000	PEAK
2		265.210	0.611	-80.104	-79.492	-43.492	-36.000	PEAK
3		393.507	3.895	-80.327	-76.432	-40.432	-36.000	PEAK
4		543.186	6.979	-81.364	-74.385	-38.385	-36.000	PEAK
5		729.800	8.836	-81.153	-72.317	-36.317	-36.000	PEAK
6		955.291	11.211	-81.499	-70.288	-34.288	-36.000	PEAK

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : Site 1	Time : 2007/04/19 - 10:19
Limit : ETSI_300328_TX_00M_PK	Margin : 6
EUT : Tablet: Wireless Tablet X860/X861; Dongle: Wireless Tablet Receiver X860/X861	Probe : CE_Replace_30-1G(200701) - VERTICAL
Power : AC 230V/50Hz	Note : TX-39(Mode 1: Transmit (Tablet))

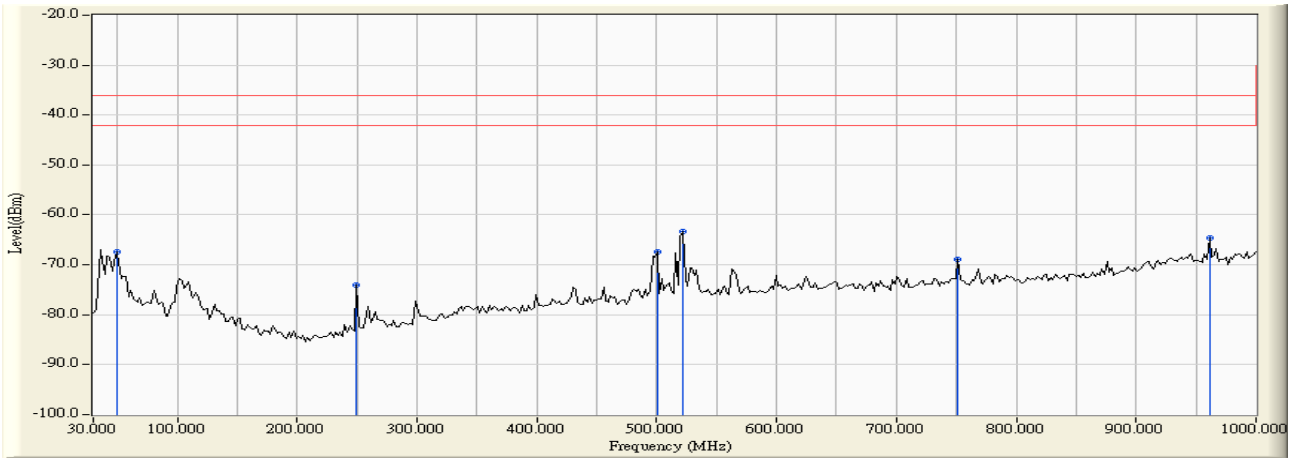


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1	*	37.776	11.019	-75.239	-64.220	-28.220	-36.000	PEAK
2		131.082	5.999	-80.132	-74.133	-38.133	-36.000	PEAK
3		294.369	1.310	-81.899	-80.588	-44.588	-36.000	PEAK
4		447.936	5.469	-81.200	-75.730	-39.730	-36.000	PEAK
5		671.483	8.790	-82.153	-73.363	-37.363	-36.000	PEAK
6		943.627	10.719	-80.726	-70.007	-34.007	-36.000	PEAK

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : Site 1	Time : 2007/04/19 - 10:29
Limit : ETSI_300328_TX_00M_PK	Margin : 6
EUT : Tablet: Wireless Tablet X860/X861; Dongle: Wireless Tablet Receiver X860/X861	Probe : CE_Replace_30-1G(200701) - HORIZONTAL
Power : AC 230V/50Hz	Note : TX-39(Mode 2: Transmit (Dongle))

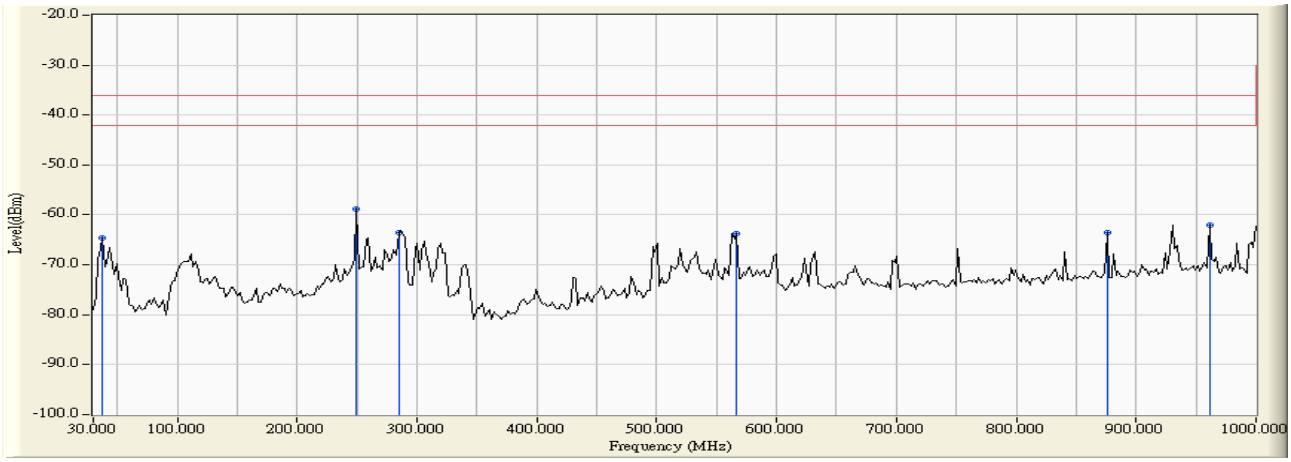


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		49.439	12.069	-79.483	-67.415	-31.415	-36.000	PEAK
2		249.659	-1.143	-73.003	-74.146	-38.146	-36.000	PEAK
3		500.421	6.099	-73.422	-67.323	-31.323	-36.000	PEAK
4	*	521.804	6.460	-69.681	-63.220	-27.220	-36.000	PEAK
5		751.182	8.949	-77.872	-68.923	-32.923	-36.000	PEAK
6		961.122	11.171	-75.786	-64.615	-28.615	-36.000	PEAK

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : Site 1	Time : 2007/04/19 - 10:35
Limit : ETSI_300328_TX_00M_PK	Margin : 6
EUT : Tablet: Wireless Tablet X860/X861; Dongle: Wireless Tablet Receiver X860/X861	Probe : CE_Replace_30-1G(200701) - VERTICAL
Power : AC 230V/50Hz	Note : TX-39(Mode 2: Transmit (Dongle))



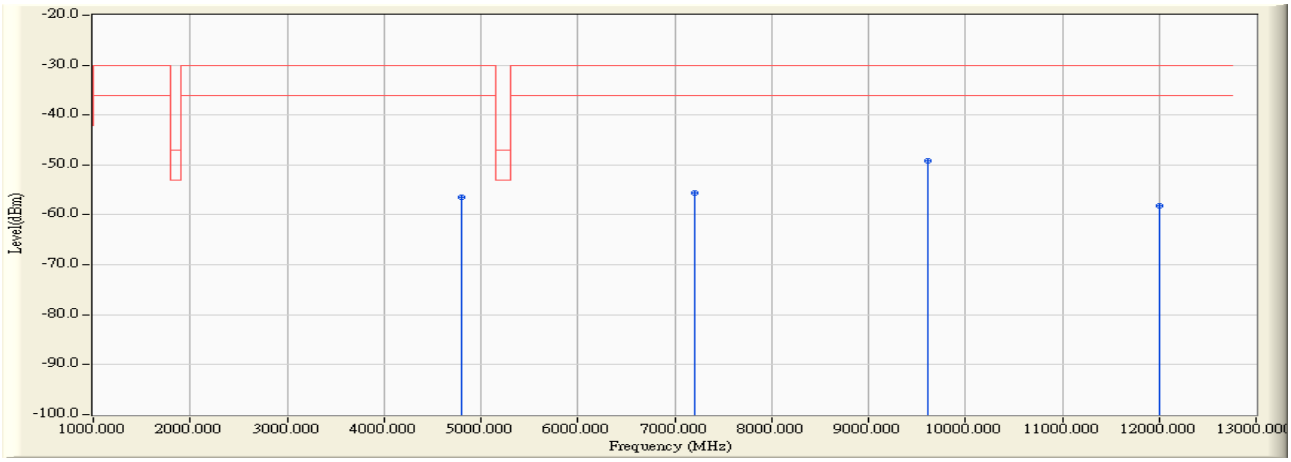
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		37.776	11.019	-75.660	-64.641	-28.641	-36.000	PEAK
2	*	249.659	0.612	-59.406	-58.793	-22.793	-36.000	PEAK
3		284.649	1.050	-64.525	-63.475	-27.475	-36.000	PEAK
4		566.513	7.728	-71.474	-63.746	-27.746	-36.000	PEAK
5		875.591	9.874	-73.394	-63.519	-27.519	-36.000	PEAK
6		961.122	10.829	-72.902	-62.073	-26.073	-36.000	PEAK

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Harmonic & Spurious:

Site : Site 1	Time : 2007/04/20 - 16:28
Limit : ETSI_300328_TX_00M_PK	Margin : 6
EUT : Tablet: Wireless Tablet X860/X861; Dongle: Wireless Tablet Receiver X860/X861	Probe : CE_Replace_1-18G(200701) - HORIZONTAL
Power : AC 230V/50Hz	Note : TX-2402(Mode 1: Transmit (Tablet))

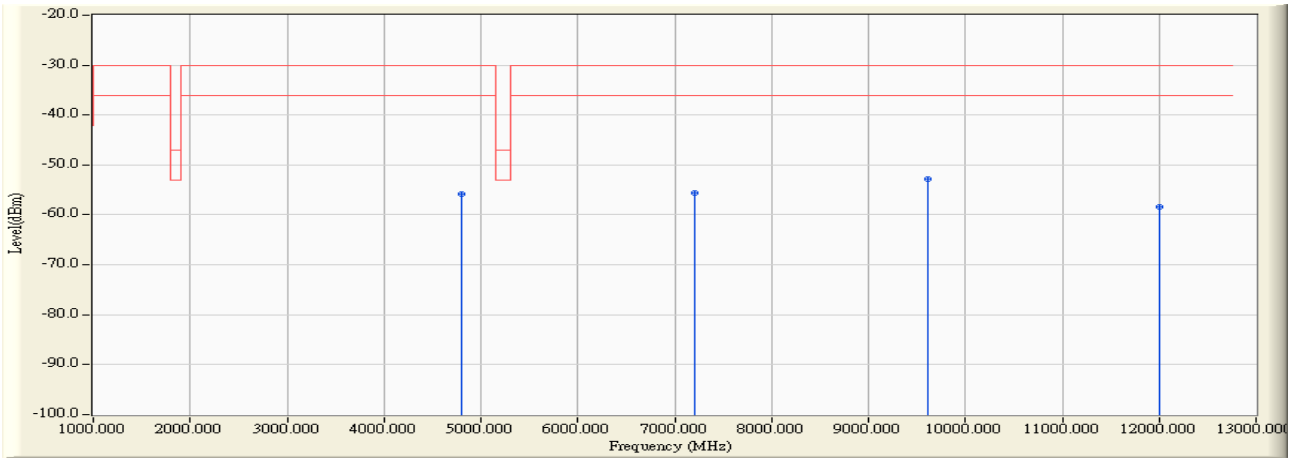


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		4804.180	18.412	-74.850	-56.439	-26.439	-30.000	PEAK
2		7206.770	20.451	-76.030	-55.579	-25.579	-30.000	PEAK
3	*	9608.370	25.345	-74.610	-49.265	-19.265	-30.000	PEAK
4		12010.390	27.270	-85.350	-58.080	-28.080	-30.000	PEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied

Site : Site 1	Time : 2007/04/20 - 16:30
Limit : ETSI_300328_TX_00M_PK	Margin : 6
EUT : Tablet: Wireless Tablet X860/X861; Dongle: Wireless Tablet Receiver X860/X861	Probe : CE_Replace_1-18G(200701) - VERTICAL
Power : AC 230V/50Hz	Note : TX-2402(Mode 1: Transmit (Tablet))

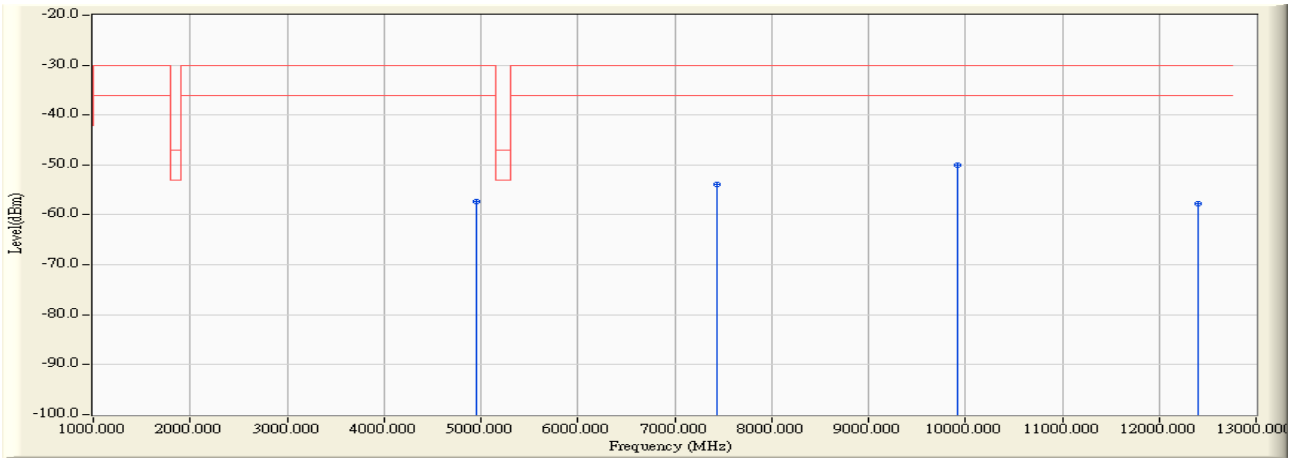


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		4804.180	18.667	-74.570	-55.903	-25.903	-30.000	PEAK
2		7206.320	21.262	-76.790	-55.528	-25.528	-30.000	PEAK
3	*	9608.370	24.695	-77.530	-52.835	-22.835	-30.000	PEAK
4		12010.410	28.410	-86.820	-58.410	-28.410	-30.000	PEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied

Site : Site 1	Time : 2007/04/20 - 16:31
Limit : ETSI_300328_TX_00M_PK	Margin : 6
EUT : Tablet: Wireless Tablet X860/X861; Dongle: Wireless Tablet Receiver X860/X861	Probe : CE_Replace_1-18G(200701) - HORIZONTAL
Power : AC 230V/50Hz	Note : TX-2479(Mode 1: Transmit (Tablet))

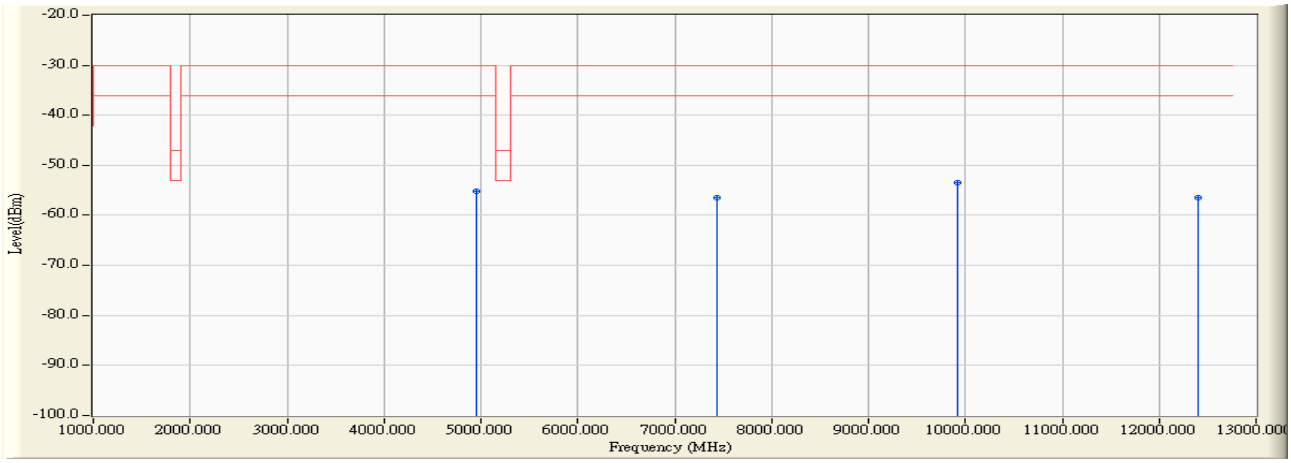


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		4958.190	19.578	-76.850	-57.271	-27.271	-30.000	PEAK
2		7437.280	20.587	-74.450	-53.863	-23.863	-30.000	PEAK
3	*	9916.380	26.100	-76.040	-49.940	-19.940	-30.000	PEAK
4		12395.420	28.723	-86.510	-57.788	-27.788	-30.000	PEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied

Site : Site 1	Time : 2007/04/20 - 16:32
Limit : ETSI_300328_TX_00M_PK	Margin : 6
EUT : Tablet: Wireless Tablet X860/X861; Dongle: Wireless Tablet Receiver X860/X861	Probe : CE_Replace_1-18G(200701) - VERTICAL
Power : AC 230V/50Hz	Note : TX-2479(Mode 1: Transmit (Tablet))

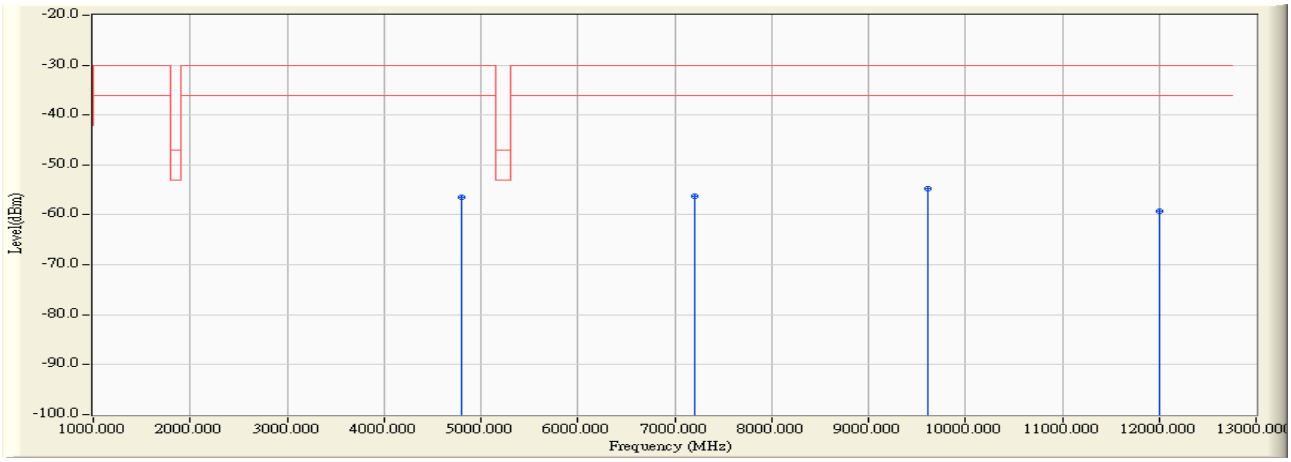


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		4958.190	19.160	-74.390	-55.230	-25.230	-30.000	PEAK
2		7437.790	21.534	-77.960	-56.426	-26.426	-30.000	PEAK
3	*	9916.380	25.380	-78.790	-53.410	-23.410	-30.000	PEAK
4		12395.500	29.163	-85.720	-56.557	-26.557	-30.000	PEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied

Site : Site 1	Time : 2007/04/20 - 16:12
Limit : ETSI_300328_TX_00M_PK	Margin : 6
EUT : Tablet: Wireless Tablet X860/X861; Dongle: Wireless Tablet Receiver X860/X861	Probe : CE_Replace_1-18G(200701) - HORIZONTAL
Power : AC 230V/50Hz	Note : TX-2402(Mode 2: Transmit (Dongle))

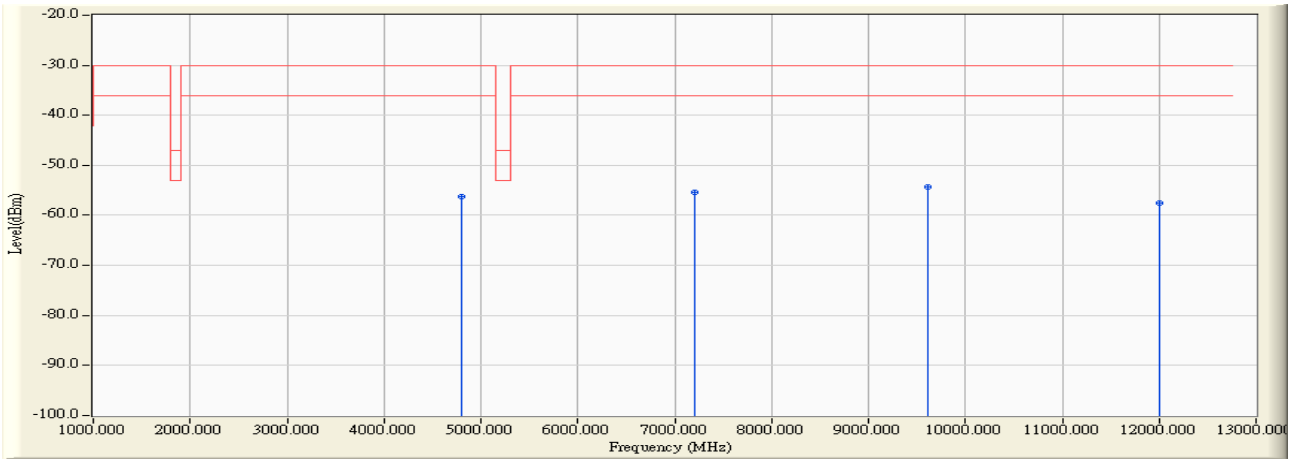


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		4804.210	18.412	-74.840	-56.429	-26.429	-30.000	PEAK
2		7205.410	20.449	-76.780	-56.330	-26.330	-30.000	PEAK
3	*	9608.440	25.345	-80.040	-54.695	-24.695	-30.000	PEAK
4		12010.440	27.270	-86.430	-59.160	-29.160	-30.000	PEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied

Site : Site 1	Time : 2007/04/20 - 16:13
Limit : ETSI_300328_TX_00M_PK	Margin : 6
EUT : Tablet: Wireless Tablet X860/X861; Dongle: Wireless Tablet Receiver X860/X861	Probe : CE_Replace_1-18G(200701) - VERTICAL
Power : AC 230V/50Hz	Note : TX-2402(Mode 2: Transmit (Dongle))

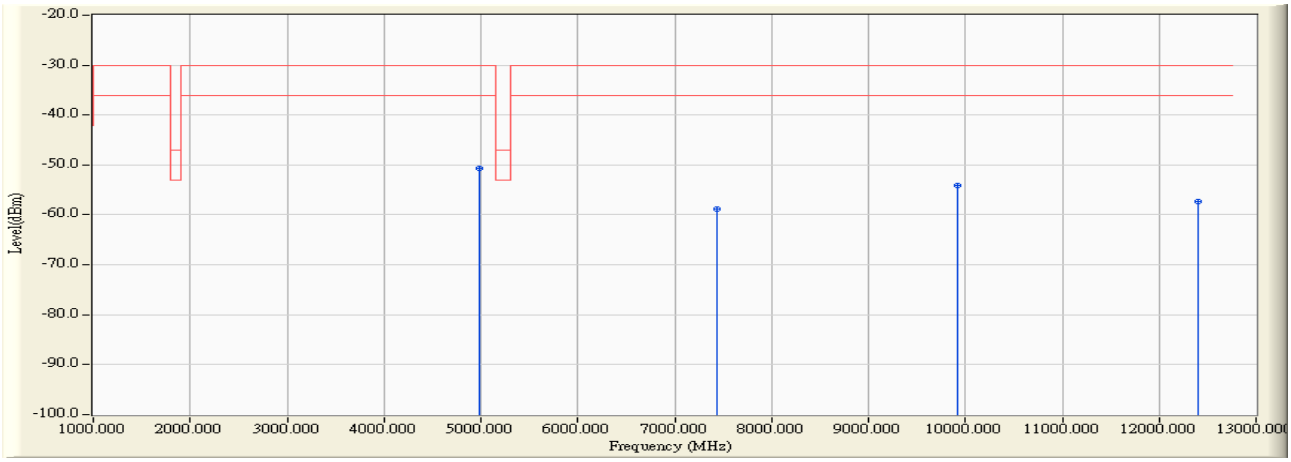


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		4804.230	18.667	-74.930	-56.263	-26.263	-30.000	PEAK
2		7207.310	21.263	-76.690	-55.427	-25.427	-30.000	PEAK
3	*	9608.430	24.695	-79.050	-54.355	-24.355	-30.000	PEAK
4		12010.460	28.410	-85.980	-57.570	-27.570	-30.000	PEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied

Site : Site 1	Time : 2007/04/20 - 16:16
Limit : ETSI_300328_TX_00M_PK	Margin : 6
EUT : Tablet: Wireless Tablet X860/X861; Dongle: Wireless Tablet Receiver X860/X861	Probe : CE_Replace_1-18G(200701) - HORIZONTAL
Power : AC 230V/50Hz	Note : TX-2479(Mode 2: Transmit (Dongle))

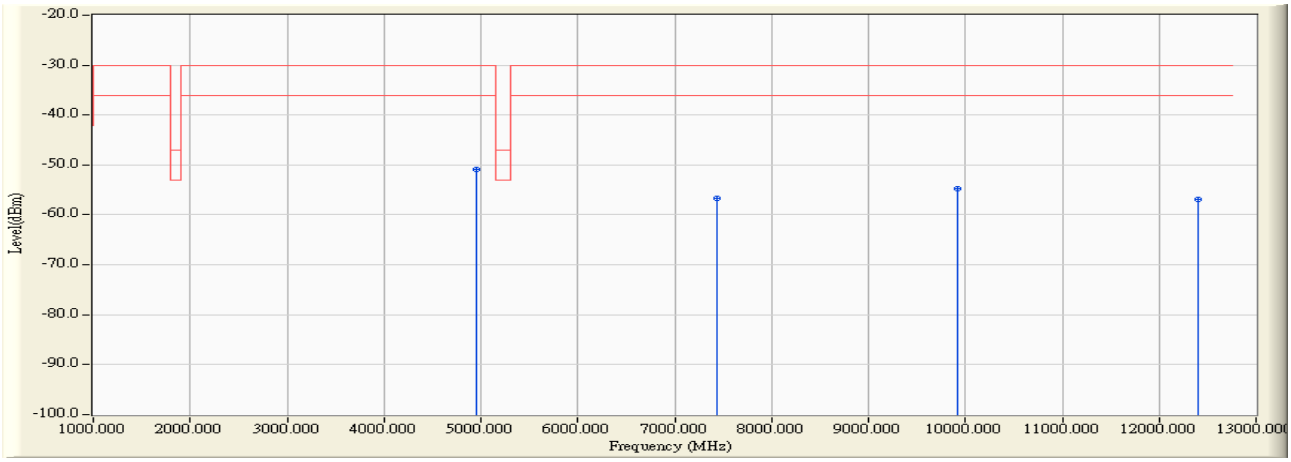


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1	*	4985.210	19.776	-70.460	-50.685	-20.685	-30.000	PEAK
2		7436.380	20.586	-79.440	-58.854	-28.854	-30.000	PEAK
3		9916.440	26.100	-80.280	-54.180	-24.180	-30.000	PEAK
4		12395.240	28.722	-86.070	-57.348	-27.348	-30.000	PEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied

Site : Site 1	Time : 2007/04/20 - 16:17
Limit : ETSI_300328_TX_00M_PK	Margin : 6
EUT : Tablet: Wireless Tablet X860/X861; Dongle: Wireless Tablet Receiver X860/X861	Probe : CE_Replace_1-18G(200701) - VERTICAL
Power : AC 230V/50Hz	Note : TX-2479(Mode 2: Transmit (Dongle))



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1	*	4958.230	19.160	-69.980	-50.820	-20.820	-30.000	PEAK
2		7436.340	21.531	-78.300	-56.768	-26.768	-30.000	PEAK
3		9916.460	25.380	-80.110	-54.730	-24.730	-30.000	PEAK
4		12395.260	29.162	-86.110	-56.948	-26.948	-30.000	PEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied

5.9. Test Photo

Test Mode ： Mode 1: Transmit (Tablet)
Description： Front View of Transmitter spurious emission Test Setup

Test Mode ： Mode 1: Transmit (Tablet)
Description： Back View of Transmitter spurious emission Test Setup

Test Mode ： Mode 1: Transmit (Tablet)
Description： Front View of Transmitter spurious emission Test Setup (Horn)

Test Mode ： Mode 2: Transmit (Dongle)
Description： Front View of Transmitter spurious emission Test Setup

Test Mode ： Mode 2: Transmit (Dongle)
Description： Back View of Transmitter spurious emission Test Setup

Test Mode ： Mode 2: Transmit (Dongle)
Description： Front View of Transmitter spurious emission Test Setup (Horn)

6. Receiver spurious emission

6.1. Test Equipment

The following test equipment are used during the test:

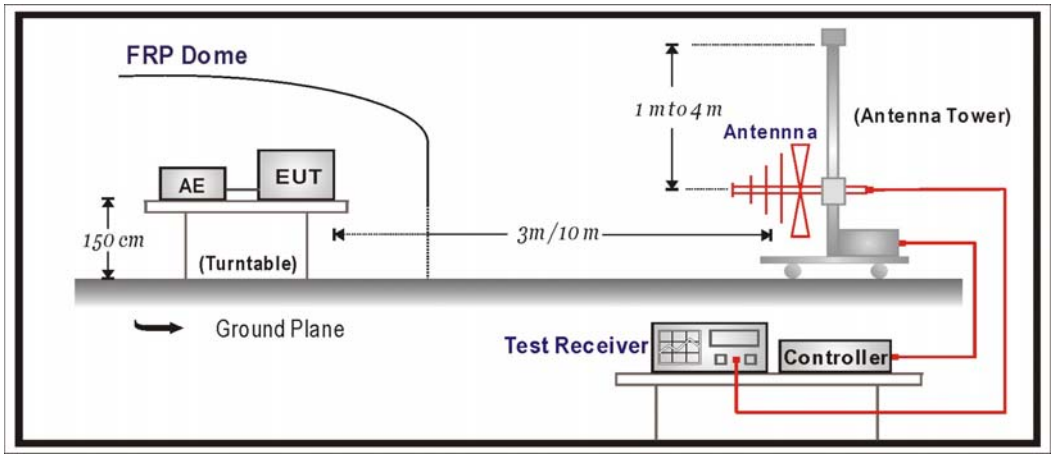
Radiated Emission / Site1

Instrument	Manufacturer	Type No.	Serial No	Cal. Date
Bilog Antenna	Schaffner Chase	CBL6112B	2455	2006/09/03
Horn Antenna	Schwarzbeck	BBHA 9120D	BBHA9120D312	2006/07/29
Pre-Amplifier	HP	8449B	3008A01123	2006/11/15
Pre-Amplifier	HP	8447D	2944A09276	N/A
Spectrum Analyzer	Advantest	R3261C	81720266	2007/03/31
Spectrum Analyzer	R & S	FSP40	100005	2006/08/25
Test Receiver	R & S	ESCS 30	825442/017	2007/02/13

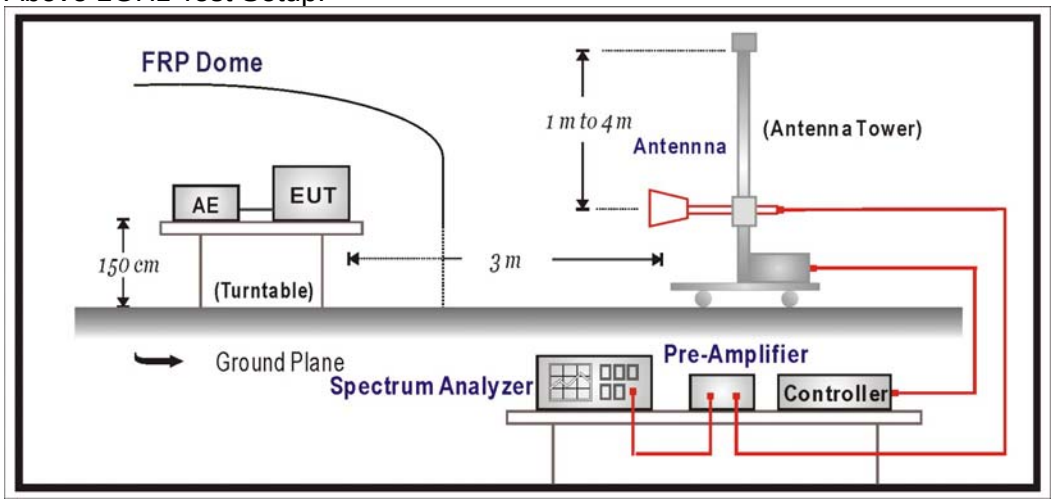
Note: 1. All equipments that need to calibrate are with calibration period of 1 year.
2. “N/A” Ca1.Date is used to Pre-test, not final test.

6.2. Test Setup

Under 1GHz Test Setup:



Above 1GHz Test Setup:



6.3. Test Condition

Standard Temperature and Humidity, Standard Test Voltage

6.4. Limits

Narrowband spurious emission limit for receivers

Frequency Range	Limit
30MHzto 1 GHz	-57 dBm
Above 1 GHz to 12.75 GHz	-47 dBm

Wideband spurious emission limit for receivers

Frequency Range	Limit
30MHzto 1 GHz	-107 dBm/Hz
Above 1 GHz to 12.75 GHz	-97 dBm/Hz

6.5. Test Procedure

The EUT and its simulators are placed on a turn table which is 1.5 meters above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.

Broadband antenna (calibrated bi-log and horn antenna) are used as a receiving antenna. Both horizontal and vertical polarization of the antenna are set on measurement. And a high frequency preamlifier were used increase the sensitivity of the measuring. In order to find the maximum emission, all of the interface cables must be manipulated according to ETSI EN 300 328: V1.7.1 (2006-10) on radiated measurement.

The additional notch filter below 1GHz was used to measure the level of harmonics radiated emission during field strength of harmonics measurement. The bandwidth setting on the field strength meter (R & S Spectrum Analyzer FSP40)is 100 kHz. The frequency range from 30MHz to 12.75GHz is checked.

6.6. Test Specification

According to ETSI EN 300 328: V1.7.1 (2006-10)

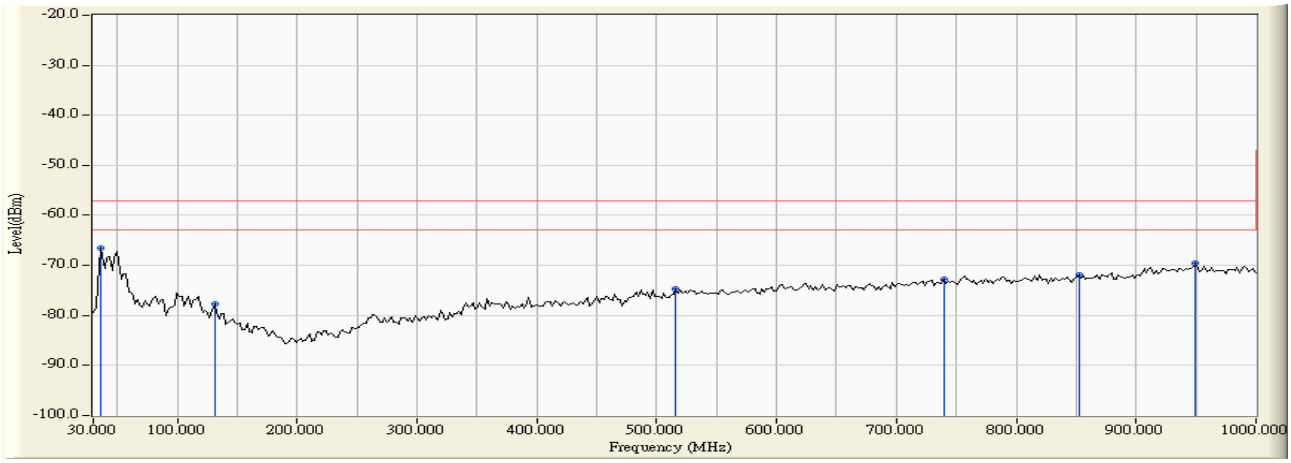
6.7. Uncertainty

The measurement uncertainty above 1G is defined as ± 3.9 dB, under 1G is defined as ± 3.8 dB.

6.8. Test Result

30 MHz-1GHz Spurious:

Site : Site 1	Time : 2007/04/19 - 10:03
Limit : ETSI_300328_RX_00M_PK	Margin : 6
EUT : Tablet: Wireless Tablet X860/X861; Dongle: Wireless Tablet Receiver X860/X861	Probe : CE_Replace_30-1G(200701) - HORIZONTAL
Power : AC 230V/50Hz	Note : RX-39(Mode 3: Receive (Tablet))

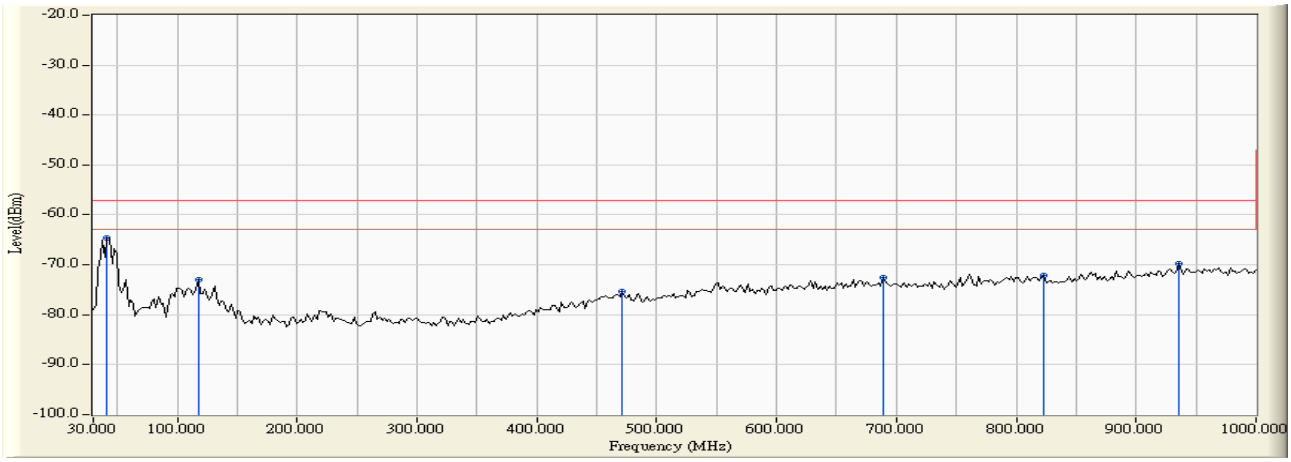


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1	*	35.832	12.151	-78.639	-66.489	-9.489	-57.000	PEAK
2		131.082	2.803	-80.547	-77.744	-20.744	-57.000	PEAK
3		515.972	6.290	-80.943	-74.653	-17.653	-57.000	PEAK
4		739.519	8.735	-81.498	-72.763	-15.763	-57.000	PEAK
5		852.265	9.596	-81.419	-71.823	-14.823	-57.000	PEAK
6		949.459	11.241	-80.689	-69.448	-12.448	-57.000	PEAK

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : Site 1	Time : 2007/04/19 - 10:06
Limit : ETSI_300328_RX_00M_PK	Margin : 6
EUT : Tablet: Wireless Tablet X860/X861; Dongle: Wireless Tablet Receiver X860/X861	Probe : CE_Replace_30-1G(200701) - VERTICAL
Power : AC 230V/50Hz	Note : RX-39(Mode 3: Receive (Tablet))

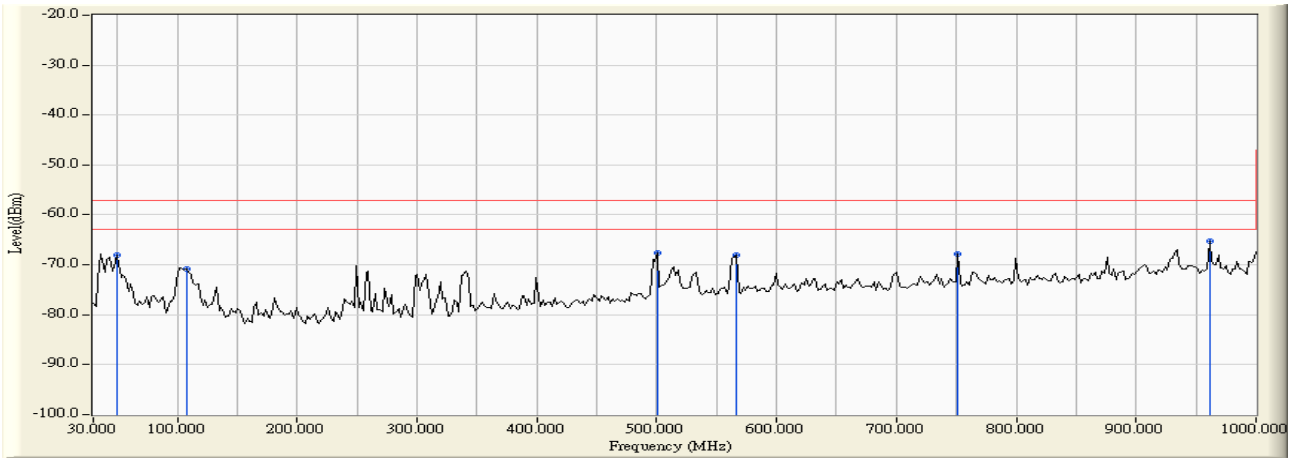


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1	*	41.663	10.799	-75.334	-64.535	-7.535	-57.000	PEAK
2		117.475	6.919	-79.926	-73.007	-16.007	-57.000	PEAK
3		471.263	5.991	-81.291	-75.300	-18.300	-57.000	PEAK
4		688.978	8.326	-80.786	-72.460	-15.460	-57.000	PEAK
5		823.106	9.242	-81.387	-72.145	-15.145	-57.000	PEAK
6		935.852	10.794	-80.563	-69.769	-12.769	-57.000	PEAK

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : Site 1	Time : 2007/04/19 - 13:14
Limit : ETSI_300328_RX_00M_PK	Margin : 6
EUT : Tablet: Wireless Tablet X860/X861; Dongle: Wireless Tablet Receiver X860/X861	Probe : CE_Replace_30-1G(200701) - HORIZONTAL
Power : AC 230V/50Hz	Note :RX-39(Mode 4: Receive (Dongle))

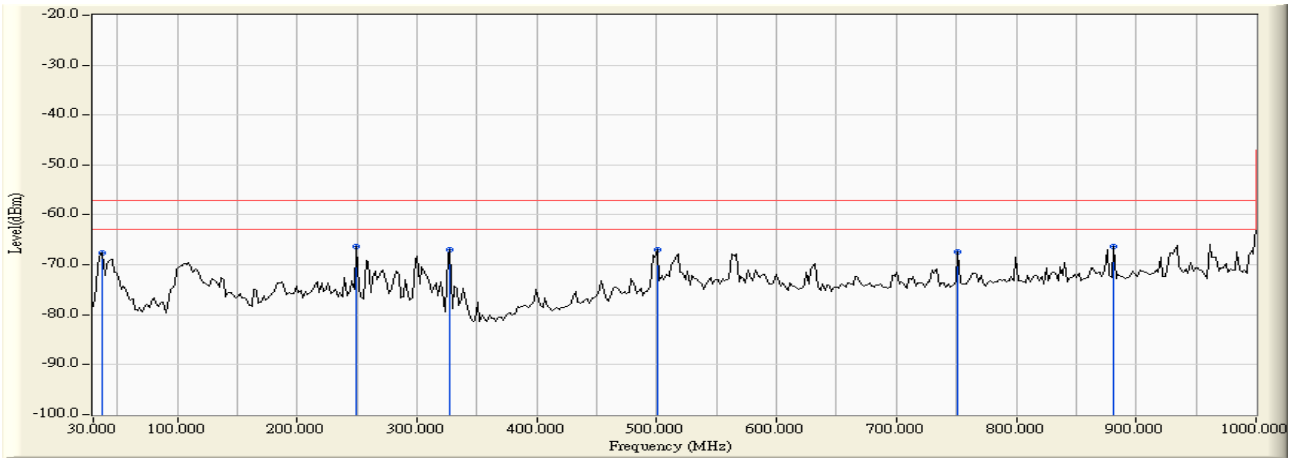


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		49.439	12.069	-80.146	-68.078	-11.078	-57.000	PEAK
2		107.756	4.904	-75.703	-70.799	-13.799	-57.000	PEAK
3		500.421	6.099	-73.693	-67.594	-10.594	-57.000	PEAK
4		566.513	7.290	-75.340	-68.050	-11.050	-57.000	PEAK
5		751.182	8.949	-76.786	-67.837	-10.837	-57.000	PEAK
6	*	961.122	11.171	-76.526	-65.355	-8.355	-57.000	PEAK

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : Site 1	Time : 2007/04/19 - 13:20
Limit : ETSI_300328_RX_00M_PK	Margin : 6
EUT : Tablet: Wireless Tablet X860/X861; Dongle: Wireless Tablet Receiver X860/X861	Probe : CE_Replace_30-1G(200701) - VERTICAL
Power : AC 230V/50Hz	Note :RX-39(Mode 4: Receive (Dongle))



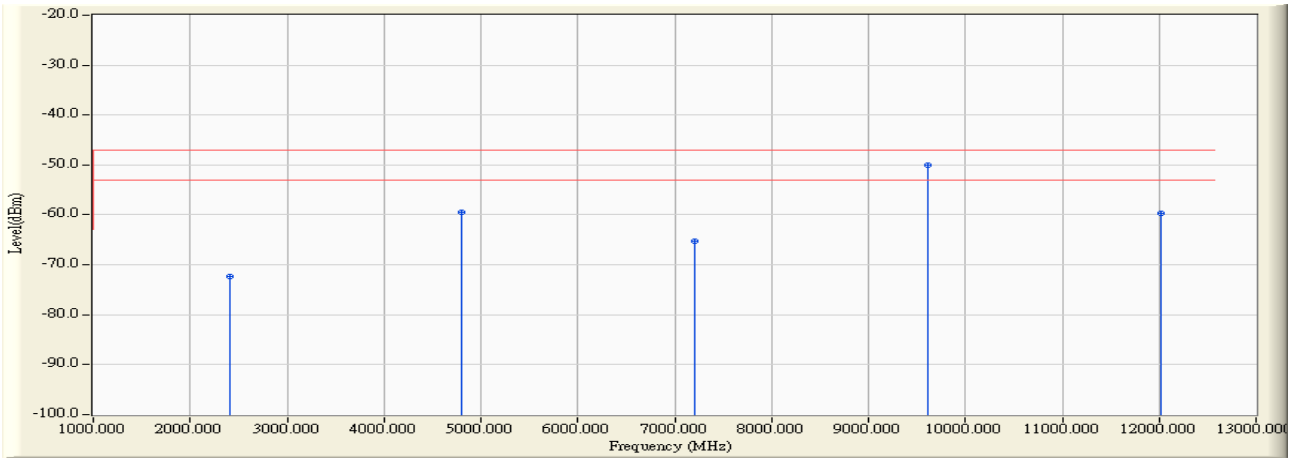
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		37.776	11.019	-78.547	-67.528	-10.528	-57.000	PEAK
2		249.659	0.612	-66.984	-66.371	-9.371	-57.000	PEAK
3		327.415	0.781	-67.816	-67.035	-10.035	-57.000	PEAK
4		500.421	5.899	-72.933	-67.034	-10.034	-57.000	PEAK
5		751.182	8.375	-75.849	-67.474	-10.474	-57.000	PEAK
6	*	881.423	9.980	-76.318	-66.338	-9.338	-57.000	PEAK

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

1GHz Spurious

Site : Site 1	Time : 2007/04/20 - 16:33
Limit : ETSI_300328_RX_00M_PK	Margin : 6
EUT : Tablet: Wireless Tablet X860/X861; Dongle: Wireless Tablet Receiver X860/X861	Probe : CE_Replace_1-18G(200701) - HORIZONTAL
Power : AC 230V/50Hz	Note : RX-01((Mode 3: Receive (Tablet))

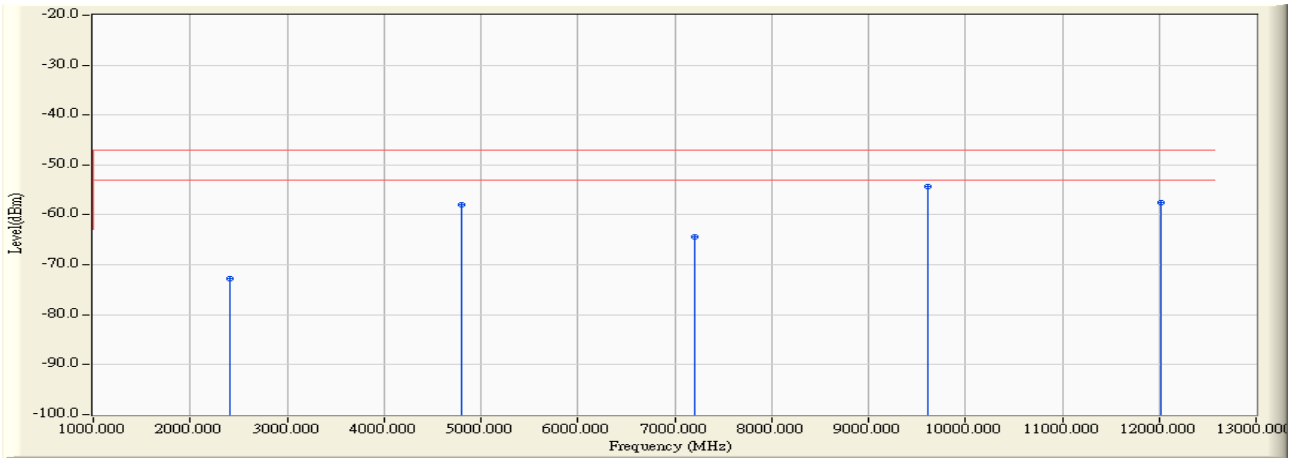


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		2404.000	8.914	-81.330	-72.416	-25.416	-47.000	PEAK
2		4804.170	18.410	-77.860	-59.449	-12.449	-47.000	PEAK
3		7212.190	20.453	-85.710	-65.256	-18.256	-47.000	PEAK
4	*	9616.360	25.364	-75.380	-50.016	-3.016	-47.000	PEAK
5		12020.370	27.305	-87.050	-59.745	-12.745	-47.000	PEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied

Site : Site 1	Time : 2007/04/20 - 16:35
Limit : ETSI_300328_RX_00M_PK	Margin : 6
EUT : Tablet: Wireless Tablet X860/X861; Dongle: Wireless Tablet Receiver X860/X861	Probe : CE_Replace_1-18G(200701) - VERTICAL
Power : AC 230V/50Hz	Note : RX-01((Mode 3: Receive (Tablet))

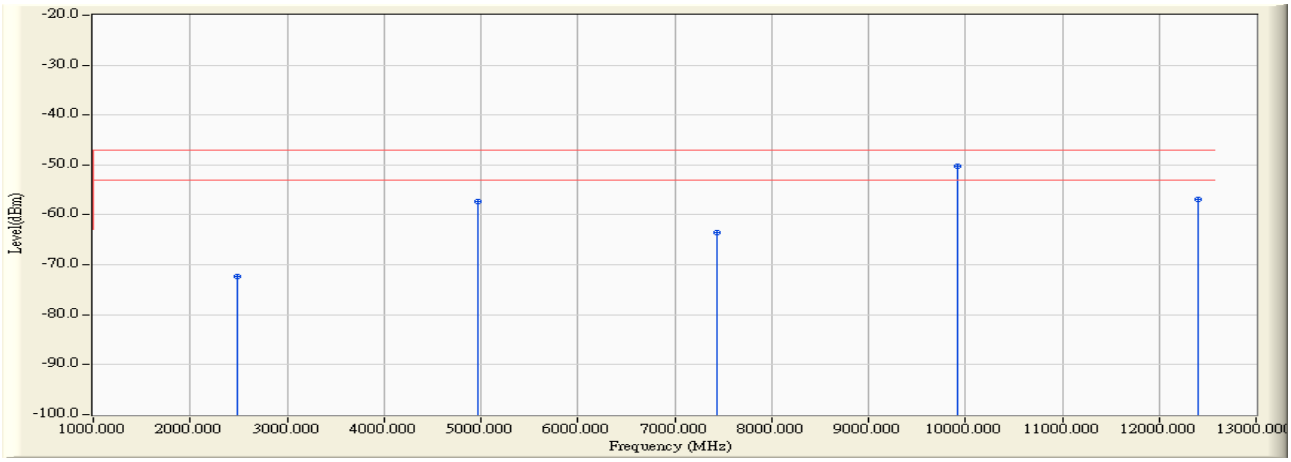


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		2404.000	9.532	-82.370	-72.838	-25.838	-47.000	PEAK
2		4808.170	18.681	-76.570	-57.890	-10.890	-47.000	PEAK
3		7212.350	21.269	-85.720	-64.451	-17.451	-47.000	PEAK
4	*	9616.370	24.714	-78.990	-54.276	-7.276	-47.000	PEAK
5		12019.990	28.426	-86.000	-57.573	-10.573	-47.000	PEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied

Site : Site 1	Time : 2007/04/20 - 16:36
Limit : ETSI_300328_RX_00M_PK	Margin : 6
EUT : Tablet: Wireless Tablet X860/X861; Dongle: Wireless Tablet Receiver X860/X861	Probe : CE_Replace_1-18G(200701) - HORIZONTAL
Power : AC 230V/50Hz	Note : RX-78((Mode 3: Receive (Tablet))

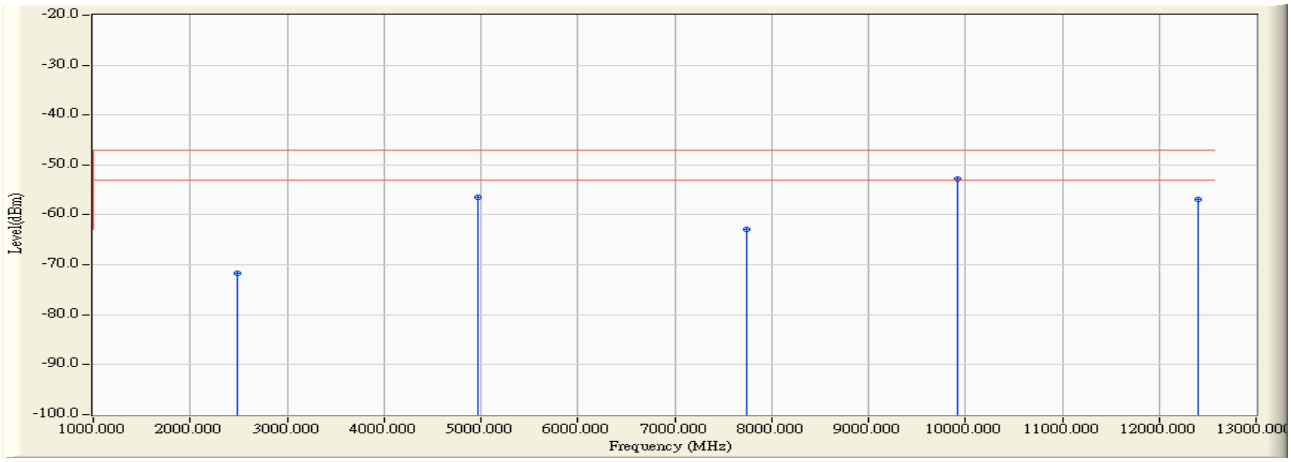


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		2481.100	9.074	-81.430	-72.355	-25.355	-47.000	PEAK
2		4962.200	19.608	-76.860	-57.252	-10.252	-47.000	PEAK
3		7442.580	20.591	-84.050	-63.460	-16.460	-47.000	PEAK
4	*	9924.410	26.118	-76.360	-50.241	-3.241	-47.000	PEAK
5		12405.380	28.763	-85.620	-56.857	-9.857	-47.000	PEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied

Site : Site 1	Time : 2007/04/20 - 16:37
Limit : ETSI_300328_RX_00M_PK	Margin : 6
EUT : Tablet: Wireless Tablet X860/X861; Dongle: Wireless Tablet Receiver X860/X861	Probe : CE_Replace_1-18G(200701) - VERTICAL
Power : AC 230V/50Hz	Note : RX-78((Mode 3: Receive (Tablet))

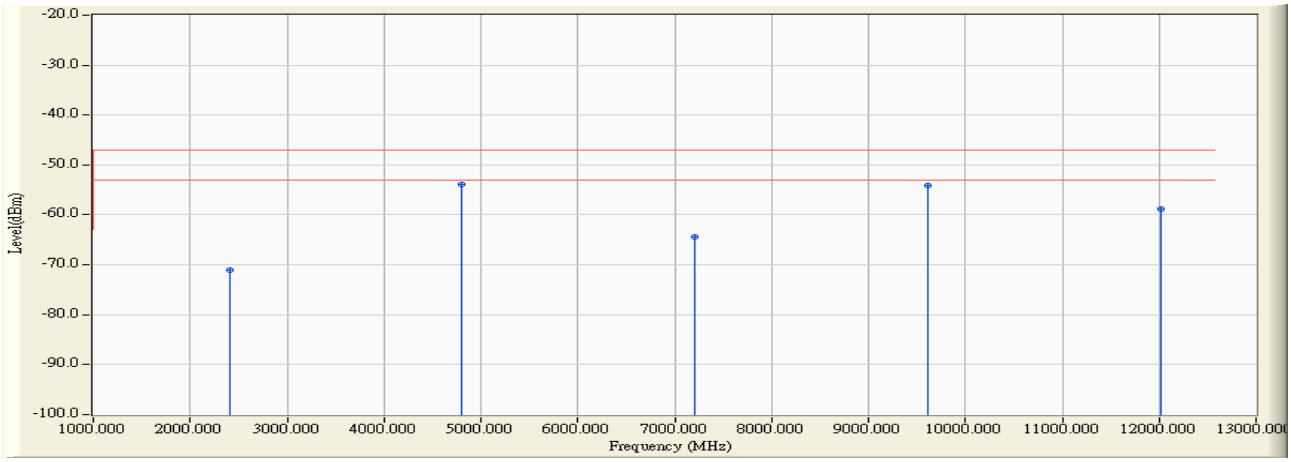


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		2481.190	9.643	-81.330	-71.687	-24.687	-47.000	PEAK
2		4962.200	19.173	-75.660	-56.486	-9.486	-47.000	PEAK
3		7743.390	21.990	-84.970	-62.980	-15.980	-47.000	PEAK
4	*	9924.380	25.398	-78.160	-52.761	-5.761	-47.000	PEAK
5		12405.380	29.186	-85.970	-56.784	-9.784	-47.000	PEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied

Site : Site 1	Time : 2007/04/20 - 16:23
Limit : ETSI_300328_RX_00M_PK	Margin : 6
EUT : Tablet: Wireless Tablet X860/X861; Dongle: Wireless Tablet Receiver X860/X861	Probe : CE_Replace_1-18G(200701) - HORIZONTAL
Power : AC 230V/50Hz	Note : RX-01((Mode 4: Receive (Dongle))

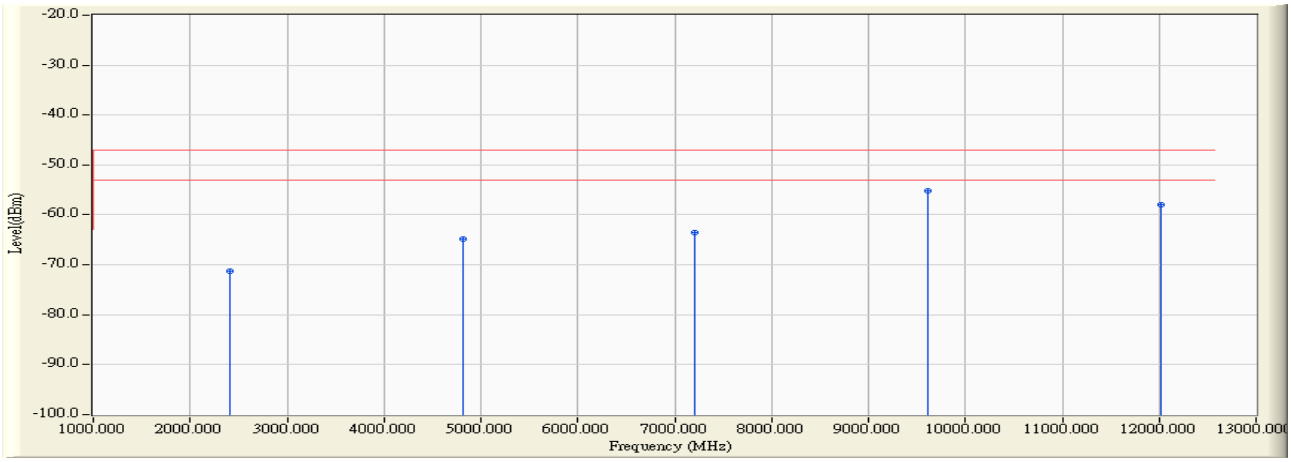


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		2404.120	8.914	-80.060	-71.146	-24.146	-47.000	PEAK
2	*	4808.230	18.442	-72.370	-53.928	-6.928	-47.000	PEAK
3		7212.120	20.453	-84.780	-64.326	-17.326	-47.000	PEAK
4		9616.460	25.364	-79.570	-54.206	-7.206	-47.000	PEAK
5		12020.460	27.306	-86.020	-58.714	-11.714	-47.000	PEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied

Site : Site 1	Time : 2007/04/20 - 16:24
Limit : ETSI_300328_RX_00M_PK	Margin : 6
EUT : Tablet: Wireless Tablet X860/X861; Dongle: Wireless Tablet Receiver X860/X861	Probe : CE_Replace_1-18G(200701) - VERTICAL
Power : AC 230V/50Hz	Note : RX-01((Mode 4: Receive (Dongle))

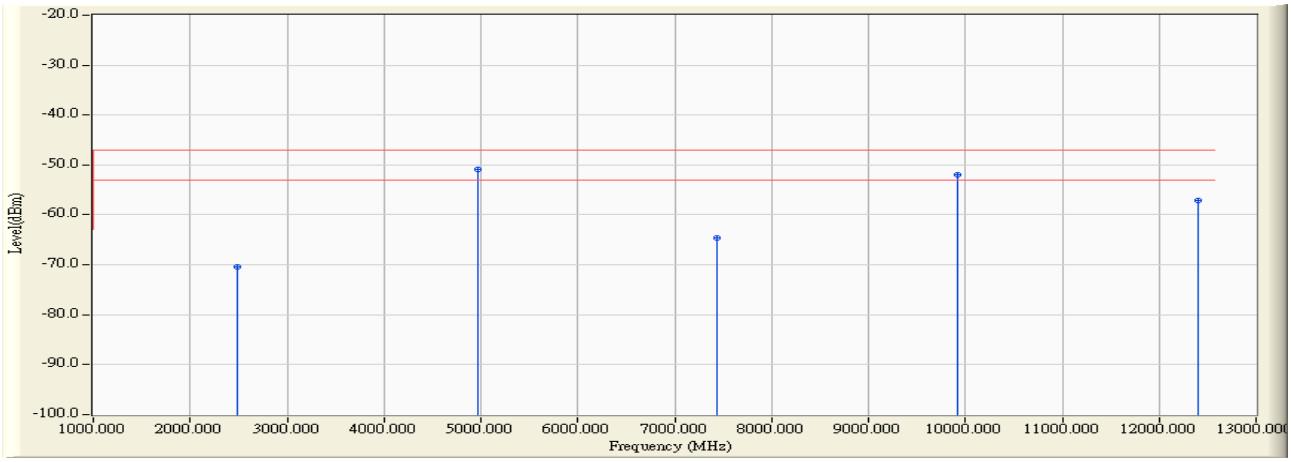


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		2404.450	9.532	-80.720	-71.188	-24.188	-47.000	PEAK
2		4808.450	18.681	-83.450	-64.769	-17.769	-47.000	PEAK
3		7212.460	21.269	-84.780	-63.511	-16.511	-47.000	PEAK
4	*	9616.450	24.715	-79.840	-55.126	-8.126	-47.000	PEAK
5		12020.460	28.428	-86.470	-58.042	-11.042	-47.000	PEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied

Site : Site 1	Time : 2007/04/20 - 16:26
Limit : ETSI_300328_RX_00M_PK	Margin : 6
EUT : Tablet: Wireless Tablet X860/X861; Dongle: Wireless Tablet Receiver X860/X861	Probe : CE_Replace_1-18G(200701) - HORIZONTAL
Power : AC 230V/50Hz	Note : RX-78((Mode 4: Receive (Dongle))

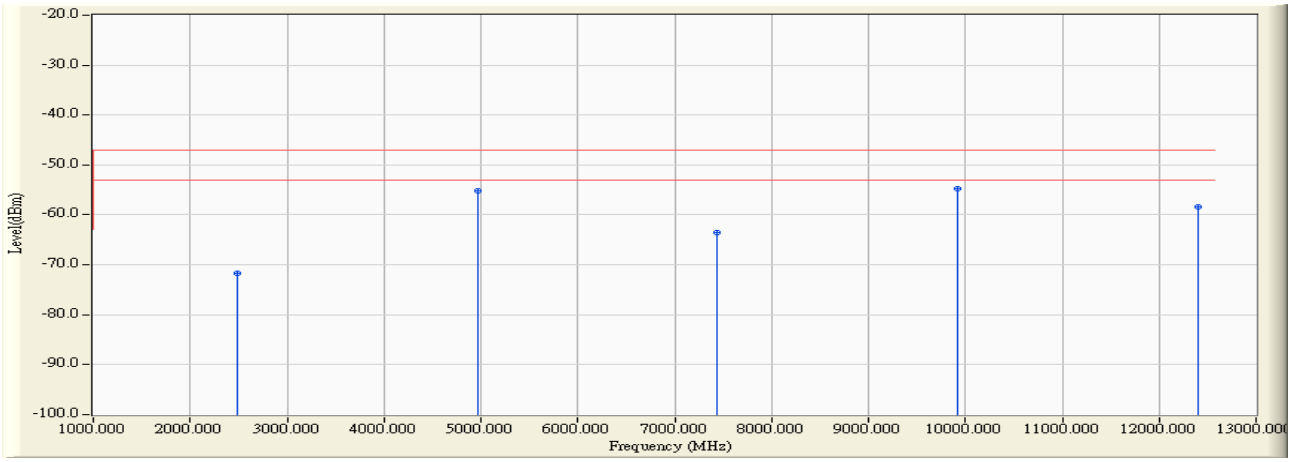


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		2481.120	9.074	-79.390	-70.315	-23.315	-47.000	PEAK
2	*	4962.230	19.608	-70.590	-50.981	-3.981	-47.000	PEAK
3		7443.470	20.590	-85.150	-64.560	-17.560	-47.000	PEAK
4		9924.470	26.119	-78.180	-52.061	-5.061	-47.000	PEAK
5		12405.470	28.764	-85.920	-57.156	-10.156	-47.000	PEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied

Site : Site 1	Time : 2007/04/20 - 16:27
Limit : ETSI_300328_RX_00M_PK	Margin : 6
EUT : Tablet: Wireless Tablet X860/X861; Dongle: Wireless Tablet Receiver X860/X861	Probe : CE_Replace_1-18G(200701) - VERTICAL
Power : AC 230V/50Hz	Note : RX-78((Mode 4: Receive (Dongle))



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm)	Margin (dB)	Limit (dBm)	Detector Type
1		2481.130	9.643	-81.230	-71.587	-24.587	-47.000	PEAK
2		4962.220	19.173	-74.250	-55.076	-8.076	-47.000	PEAK
3		7443.230	21.540	-85.120	-63.580	-16.580	-47.000	PEAK
4	*	9924.480	25.399	-80.150	-54.751	-7.751	-47.000	PEAK
5		12405.460	29.186	-87.530	-58.344	-11.344	-47.000	PEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied

6.9. Test Photo

Test Mode ： Mode 3: Receive (Tablet)
Description： Front View of Receiver spurious emission Test Setup

Test Mode ： Mode 3: Receive (Tablet)
Description： Back View of Receiver spurious emission Test Setup

Test Mode ： Mode 3: Receive (Tablet)
Description： Front View of Receiver spurious emission Test Setup (Horn)

Test Mode ： Mode 4: Receive (Dongle)
Description： Front View of Receiver spurious emission Test Setup

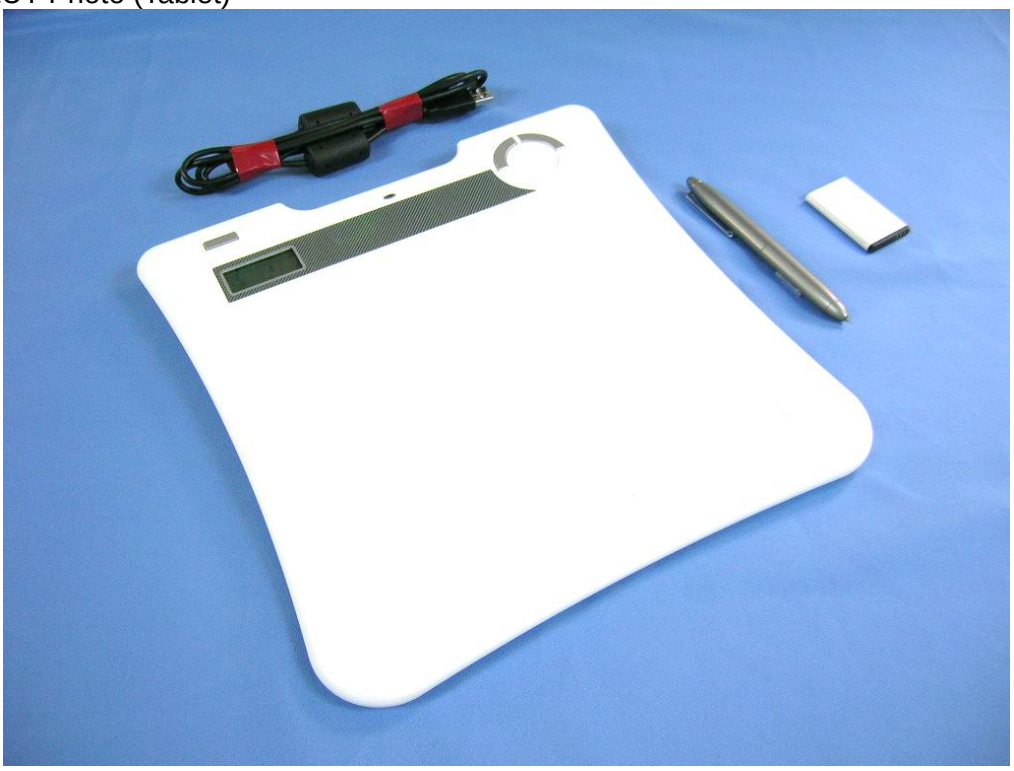
Test Mode ： Mode 4: Receive (Dongle)
Description： Back View of Receiver spurious emission Test Setup

Test Mode ： Mode 4: Receive (Dongle)
Description： Front View of Receiver spurious emission Test Setup (Horn)

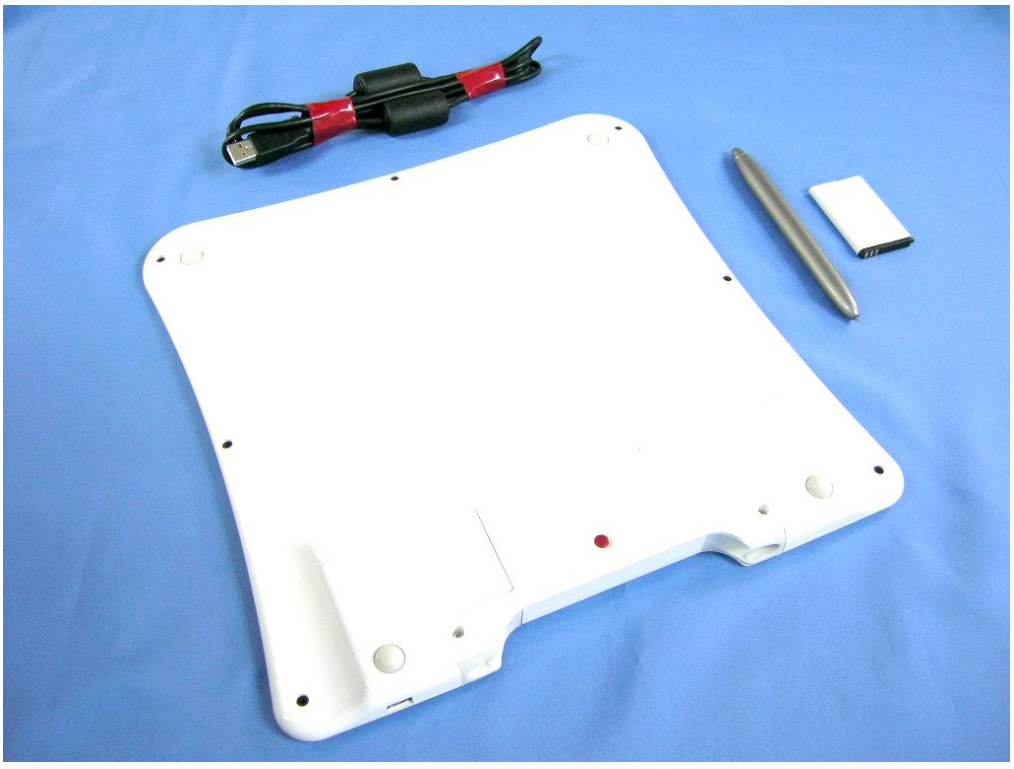
Attachement

➢ EUT Photograph

(1) EUT Photo (Tablet)



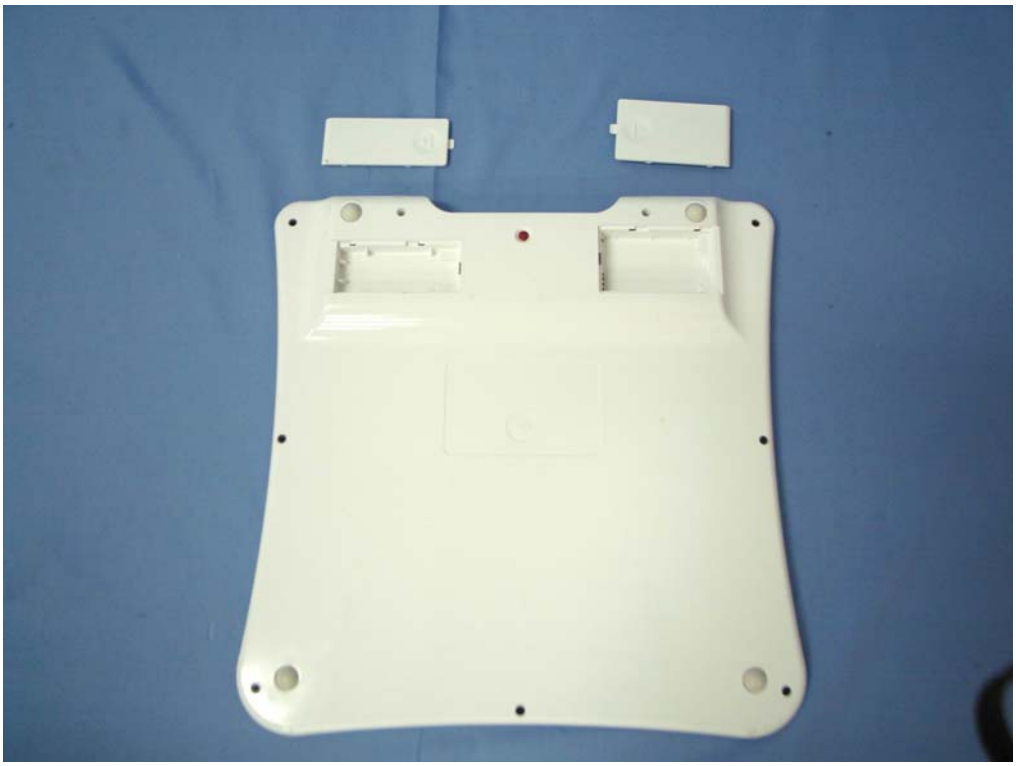
(2) EUT Photo



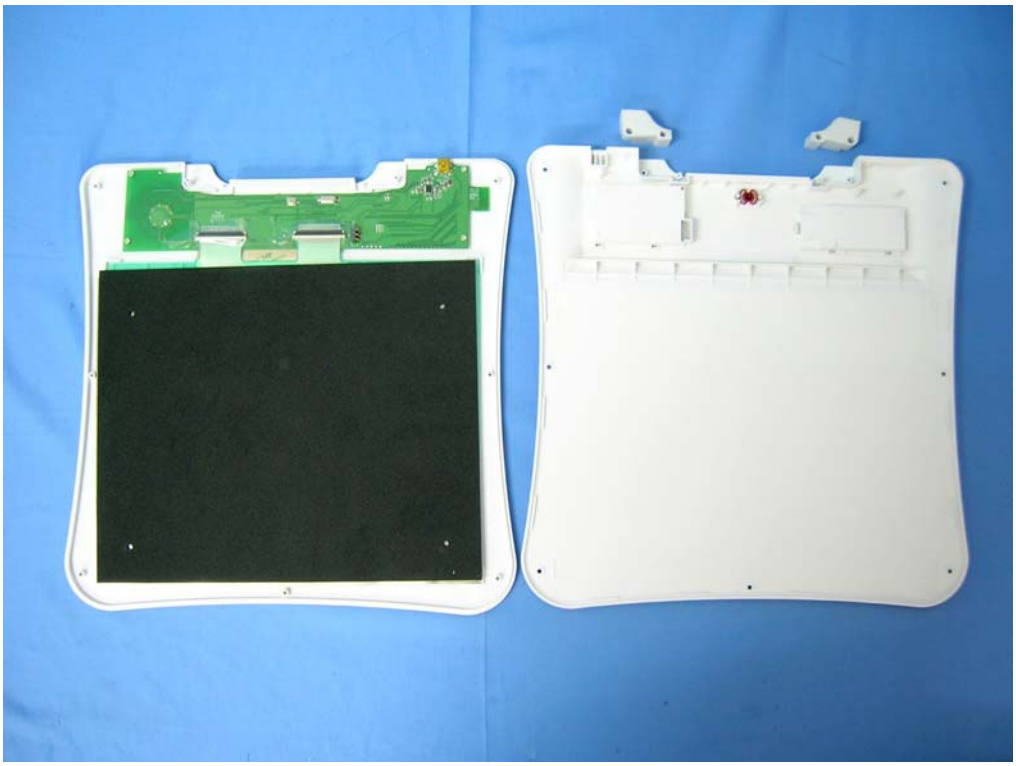
(3) EUT Photo

(4) EUT Photo

(5) EUT Photo

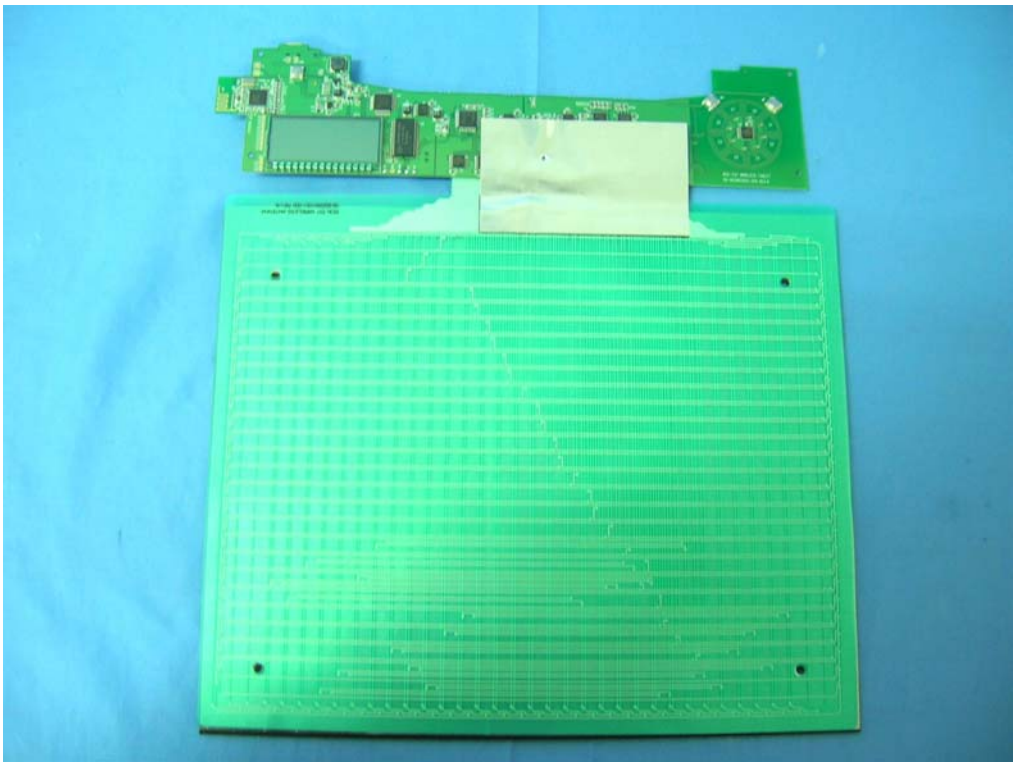


(6) EUT Photo

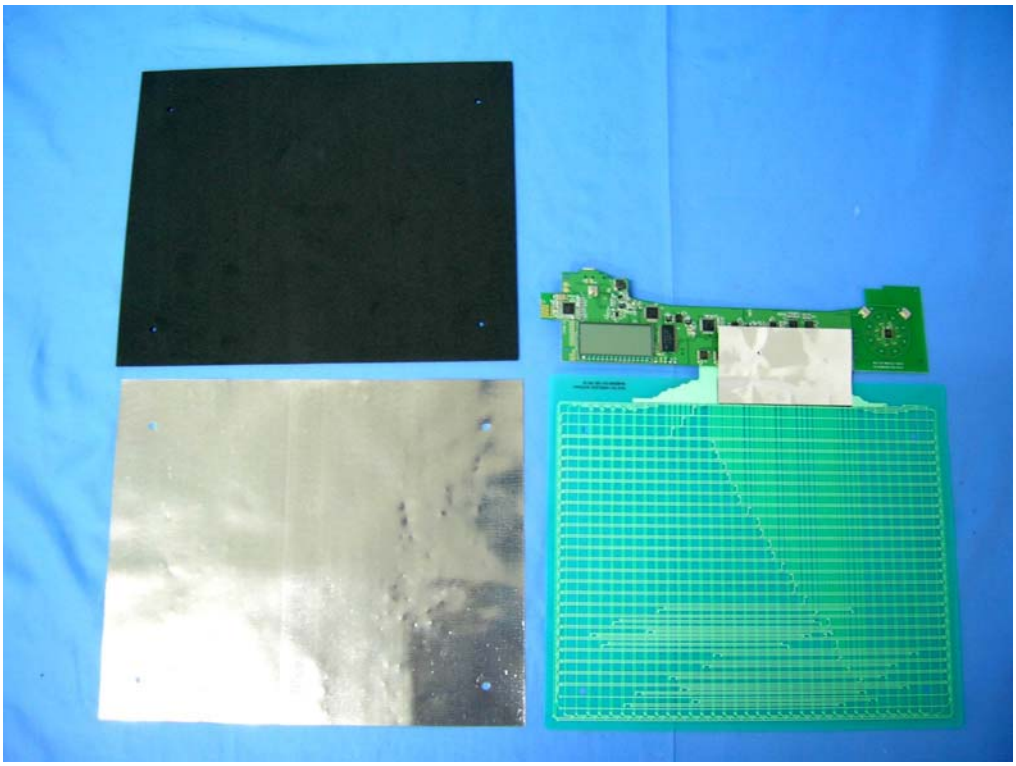


(7) EUT Photo

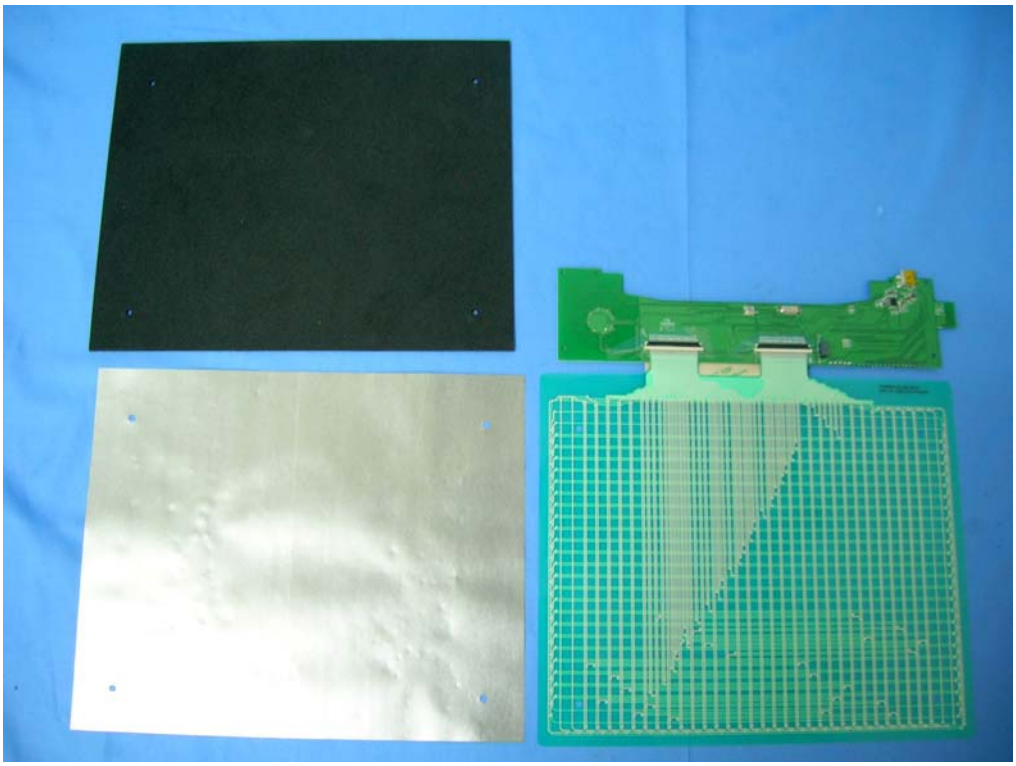
(8) EUT Photo



(9) EUT Photo



(10) EUT Photo



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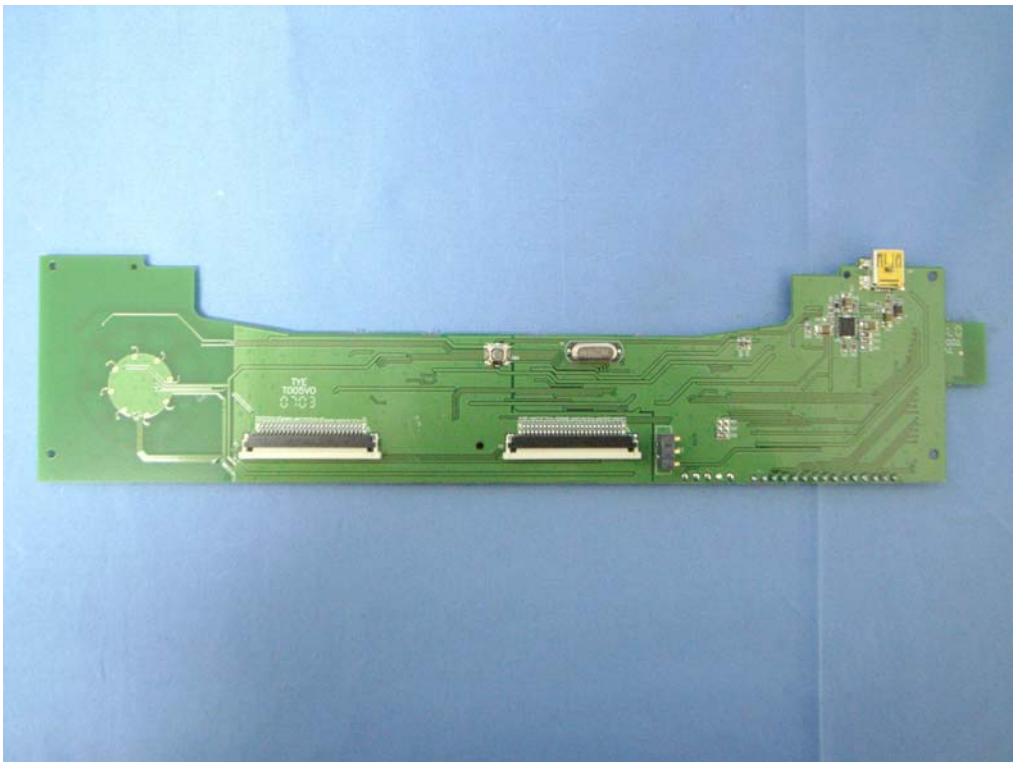

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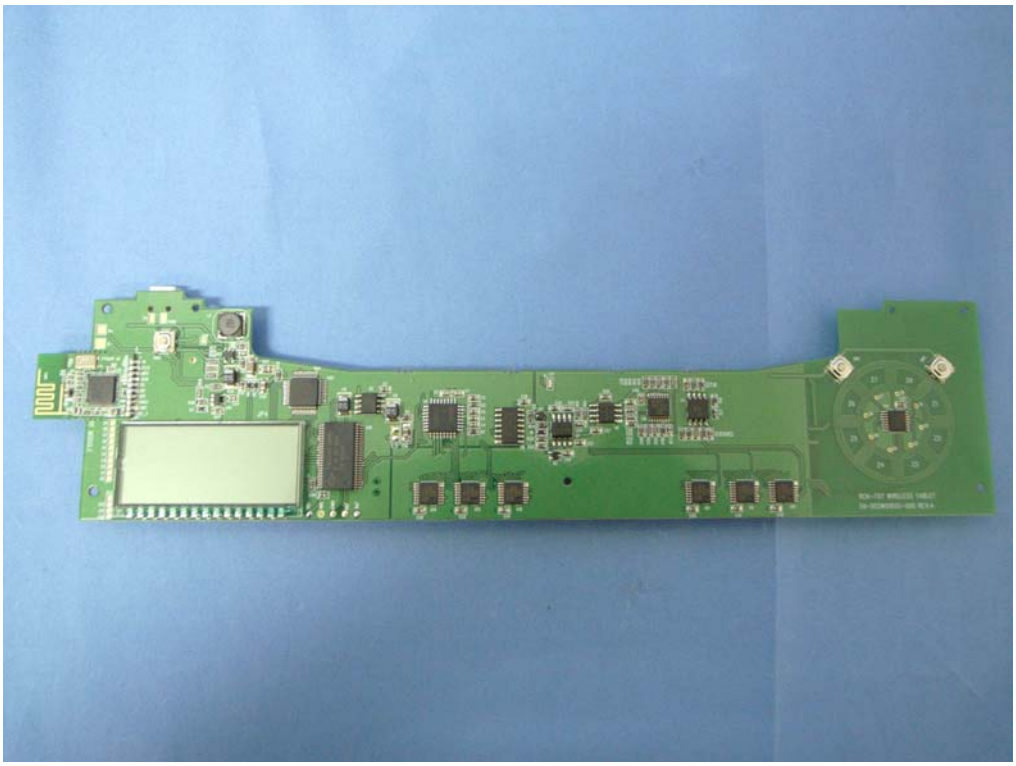
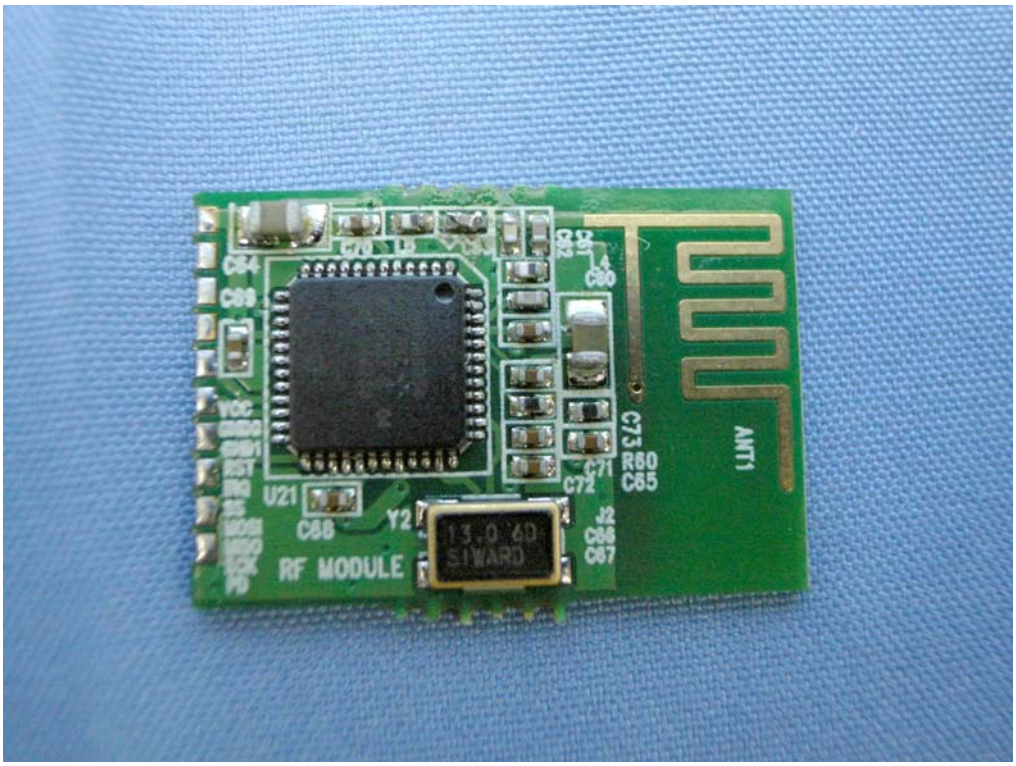


(13) EUT Photo



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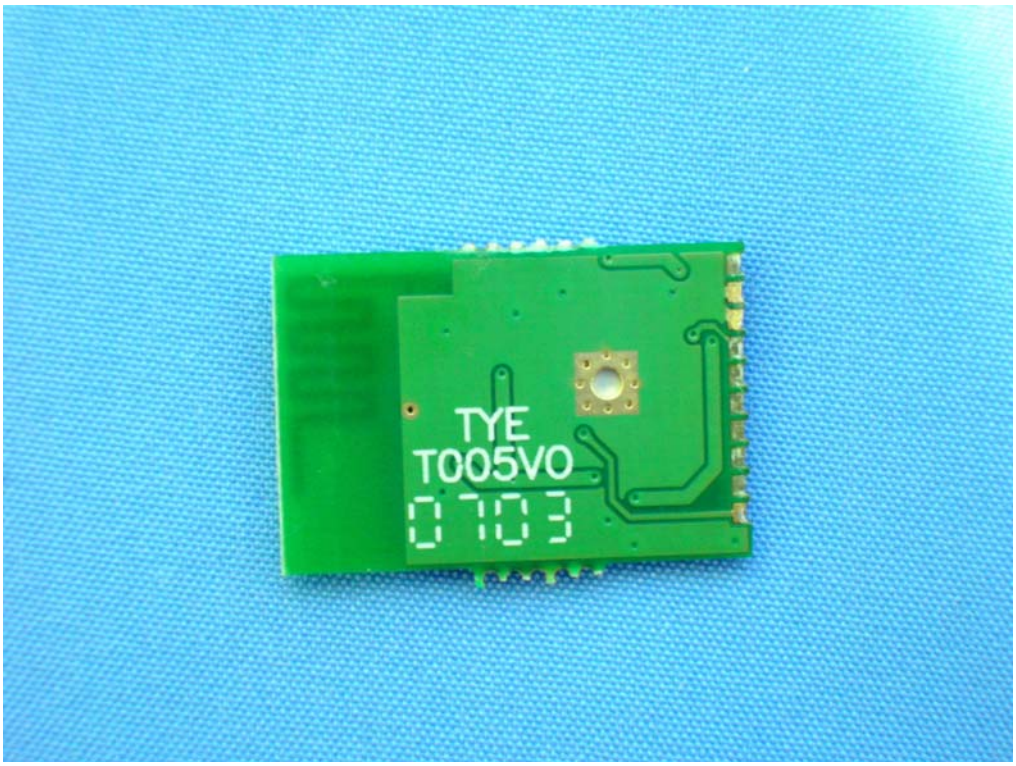
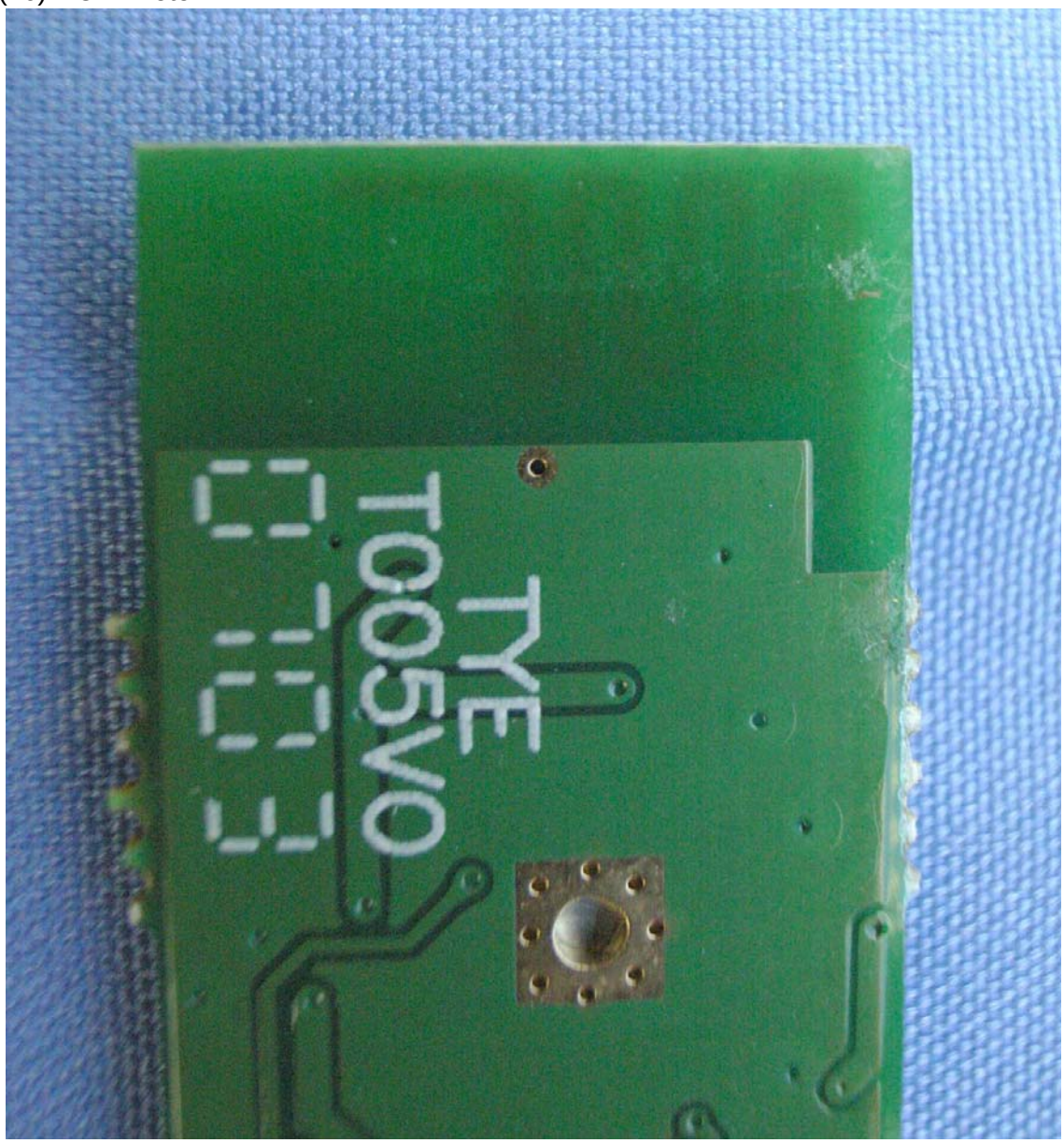


(15) EUT Photo

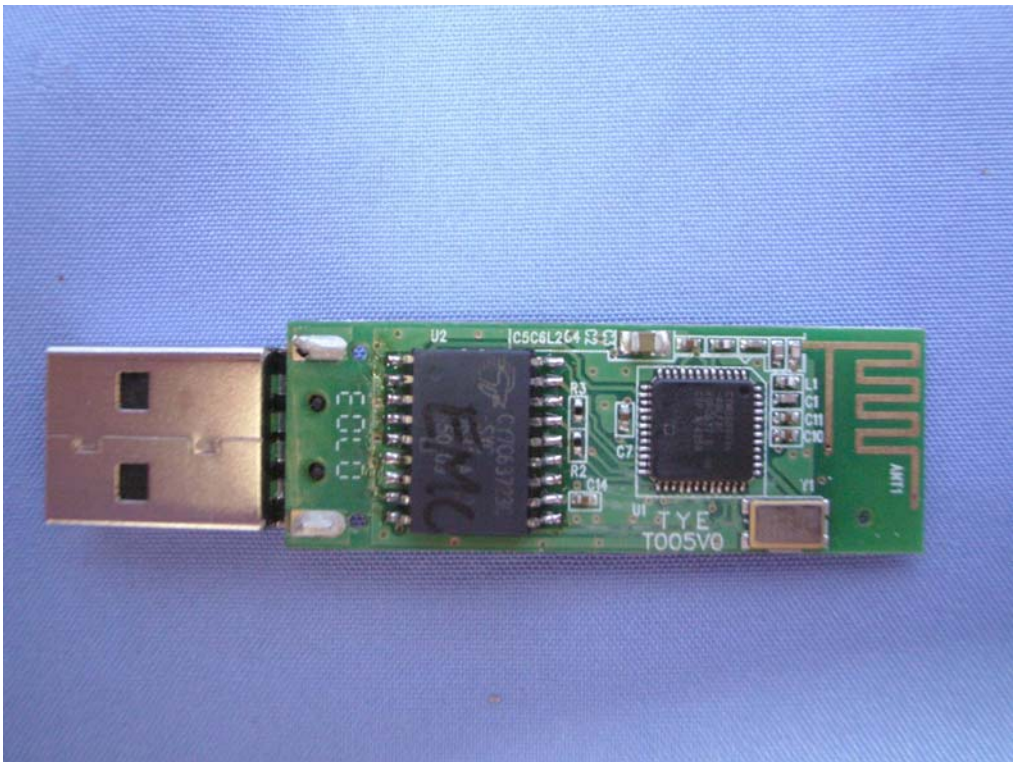
(16) EUT Photo



(17) EUT Photo (Dongle)

(18) EUT Photo

(19) EUT Photo



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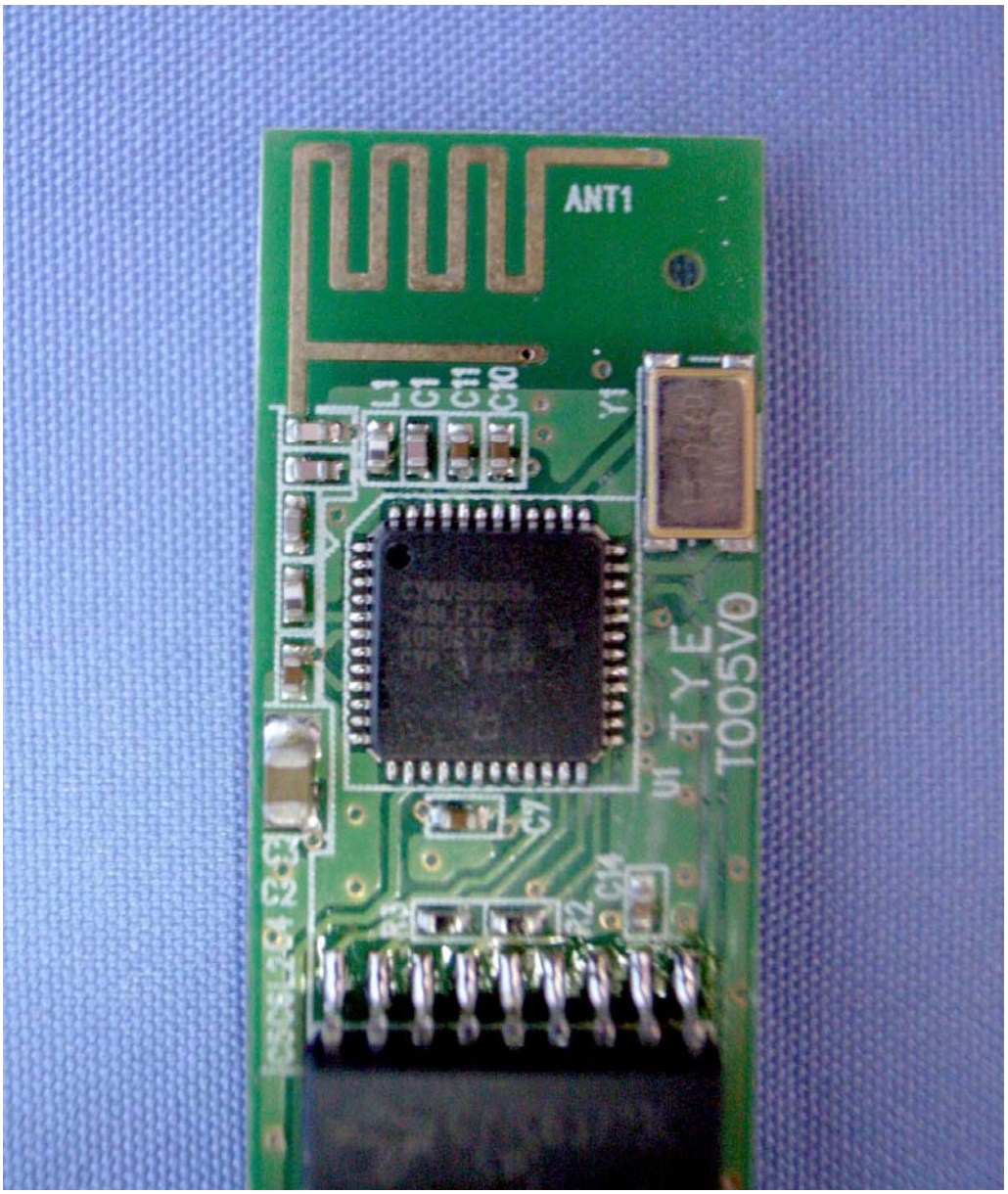

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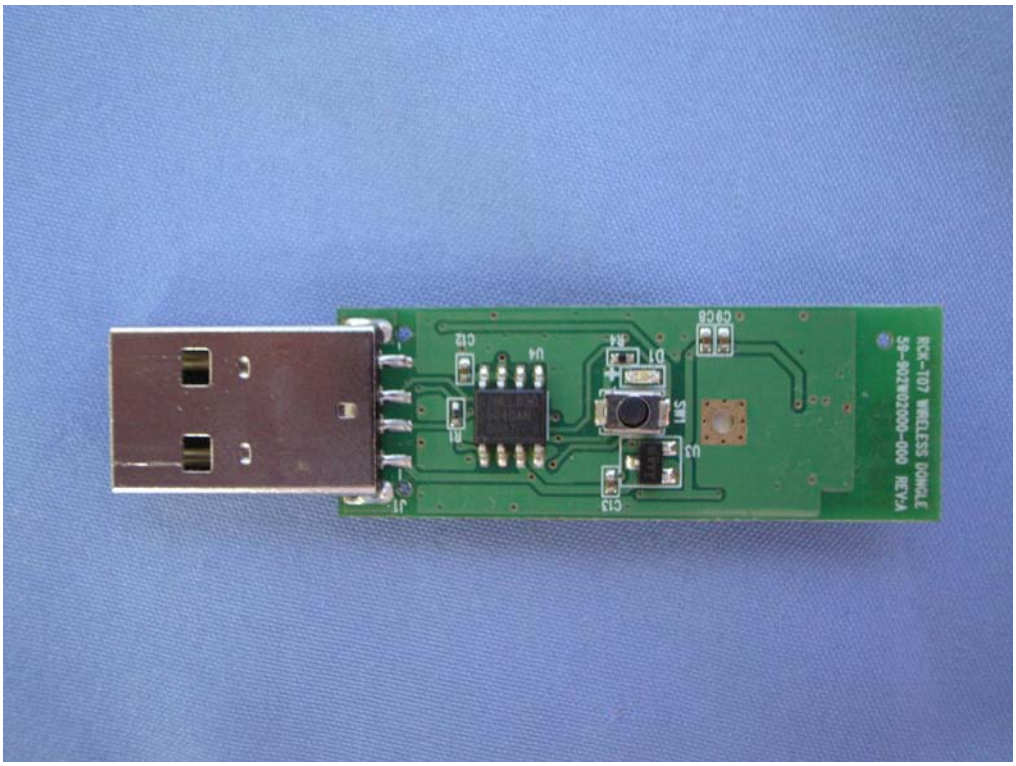

(22) EUT Photo


RCK-T07 WIRELESS DONGLE
59-902W02000-000 REV:A
C9
C8
SW1
U3
D1
R1
C13
U4