

APPLICATION CERTIFICATION FCC Part 15C
On Behalf of
HK KINGWAY DIGITAL ELECTRONICS CO., LTD

Tablet
Model No.:VX-E7001, VX-E7002, KY-Q88, KY-Q90

FCC ID: 2AA4UVX-E7001

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Date of Test : October 9-10, 2013
Date of Report : October 21, 2013

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Test Report Certification

Applicant : HK KINGWAY DIGITAL ELECTRONICS CO., LTD
 Manufacturer : Shenzhen Yingbinhai Electronics Co., Ltd
 EUT Description : Tablet
 (A) MODEL NO.: VX-E7001, VX-E7002, KY-Q88, KY-Q90
 (B) SERIAL NO.: N/A
 (C) POWER SUPPLY: DC 3.7V (Li-polymer battery) & DC 5V (Power by Adapter)

Measurement Procedure Used:

**FCC Rules and Regulations Part 15 Subpart C Section 15.247
ANSI C63.4: 2009**

The EUT was tested according to DTS test procedure of April 09, 2013 KDB558074 D01 DTS Meas Guidance v03 for compliance to FCC 47CFR 15.247 requirements

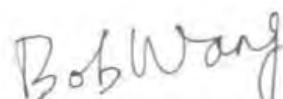
The device described above is tested by ACCURATE TECHNOLOGY CO. LTD to determine the maximum emission levels emanating from the device. The maximum emission levels are compared to the FCC Part 15 Subpart C Section 15.247 limits. The measurement results are contained in this test report and ACCURATE TECHNOLOGY CO. LTD is assumed full responsibility for the accuracy and completeness of these measurements. Also, this report shows that the Equipment Under Test (EUT) is to be technically compliant with the FCC requirements.

This report applies to above tested sample only. This report shall not be reproduced in part without written approval of ACCURATE TECHNOLOGY CO. LTD.

Date of Test :

October 9-10, 2013

Prepared by :



(Engineer)

Approved & Authorized Signer :



(Manager)

1. GENERAL INFORMATION

1.1. Description of Device (EUT)

EUT : Tablet
 Model Number : VX-E7001, VX-E7002, KY-Q88, KY-Q90
 (Note: These samples are same except for the model number is difference. So we prepare the VX-E7001, for FCC test.)
 Frequency Range : 802.11b/g/n(20MHz): 2412-2462MHz
 : 802.11n(40MHz): 2422-2452MHz
 Number of Channels : 802.11b/g/n (20MHz):11
 : 802.11n (40MHz): 7
 Antenna Gain : 0dBi
 Power Supply : DC 3.7V (Li-polymer battery) & DC 5V (Power by Adapter)
 Data Rate : 802.11b: 11, 5.5, 2, 1 Mbps
 : 802.11g: 54, 48, 36, 24, 18, 12, 9, 6 Mbps
 : 802.11n: up to 150Mbps
 Applicant : HK KINGWAY DIGITAL ELECTRONICS CO., LTD
 Address : 2-4/F, Block C Gushu 38#, NO.3 Industrial Area, Gushu,, Baoan District, ShenZhen, China

 Manufacturer : Shenzhen Yingbinhai Electronics Co., Ltd
 Address : 2-4/F, Block C Gushu 38#, NO.3 Industrial Area, Gushu,, Baoan District, ShenZhen, China

 Date of sample received : October 8, 2013
 Date of Test : October 9-10, 2013

1.5.Measurement Uncertainty

Conducted Emission Expanded Uncertainty = 2.23dB, k=2

Radiated emission expanded uncertainty = 3.08dB, k=2
(9kHz-30MHz)

Radiated emission expanded uncertainty = 4.42dB, k=2
(30MHz-1000MHz)

Radiated emission expanded uncertainty = 4.06dB, k=2
(Above 1GHz)

2. MEASURING DEVICE AND TEST EQUIPMENT

Table 1: List of Test and Measurement Equipment

Kind of equipment	Manufacturer	Type	S/N	Calibrated dates	Calibrated until
EMI Test Receiver	Rohde&Schwarz	ESCS30	100307	Jan. 12, 2013	Jan. 11, 2014
EMI Test Receiver	Rohde&Schwarz	ESPI3	101526/003	Jan. 12, 2013	Jan. 11, 2014
Spectrum Analyzer	Agilent	E7405A	MY45115511	Jan. 12, 2013	Jan. 11, 2014
Pre-Amplifier	Rohde&Schwarz	CBLU118354 0-01	3791	Jan. 12, 2013	Jan. 11, 2014
Loop Antenna	Schwarzbeck	FMZB1516	1516131	Jan. 12, 2013	Jan. 11, 2014
Bilog Antenna	Schwarzbeck	VULB9163	9163-323	Jan. 12, 2013	Jan. 11, 2014
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-655	Jan. 12, 2013	Jan. 11, 2014
Horn Antenna	Schwarzbeck	BBHA9170	9170-359	Jan. 12, 2013	Jan. 11, 2014
LISN	Rohde&Schwarz	ESH3-Z5	100305	Jan. 12, 2013	Jan. 11, 2014
LISN	Schwarzbeck	NSLK8126	8126431	Jan. 12, 2013	Jan. 11, 2014
Highpass Filter	Wainwright Instruments	WHKX3.6/18 G-10SS	N/A	Jan. 12, 2013	Jan. 11, 2014
Band Reject Filter	Wainwright Instruments	WRCG2400/2 485-2375/2510 -60/11SS	N/A	Jan. 12, 2013	Jan. 11, 2014

3. OPERATION OF EUT DURING TESTING

3.1. Operating Mode

The mode is used: **1.802.11b Transmitting mode**

Low Channel: 2412MHz

Middle Channel: 2437MHz

High Channel: 2462MHz

2.802.11g Transmitting mode

Low Channel: 2412MHz

Middle Channel: 2437MHz

High Channel: 2462MHz

3.802.11n (20MHz) Transmitting mode

Low Channel: 2412MHz

Middle Channel: 2437MHz

High Channel: 2462MHz

4.802.11n (40MHz) Transmitting mode

Low Channel: 2422MHz

Middle Channel: 2437MHz

High Channel: 2452MHz

5. Charging

3.2.Configuration and peripherals

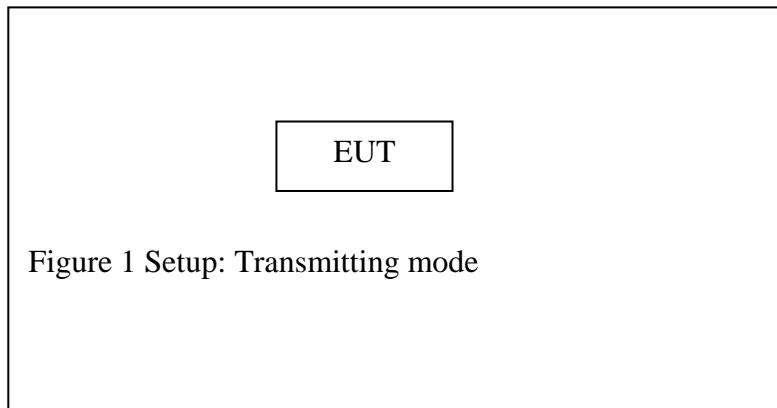


Figure 1 Setup: Transmitting mode

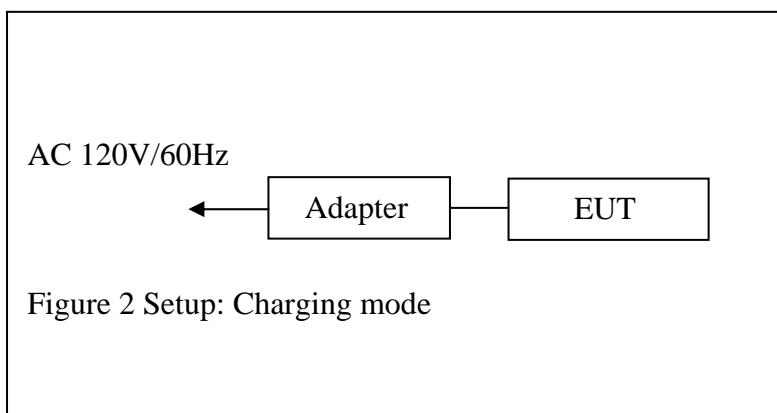


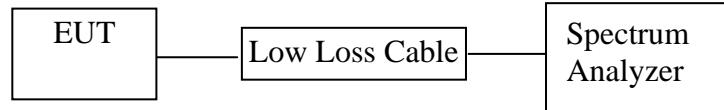
Figure 2 Setup: Charging mode

4. TEST PROCEDURES AND RESULTS

FCC Rules	Description of Test	Result
Section 15.247(a)(2)	6dB Bandwidth Test	Compliant
Section 15.247(e)	Power Spectral Density Test	Compliant
Section 15.247(b)(3)	Maximum Peak Output Power Test	Compliant
Section 15.247(d)	Band Edge Compliance Test	Compliant
Section 15.247(d) Section 15.209	Radiated Spurious Emission Test	Compliant
Section 15.247(d)	Conducted Spurious Emission Test	Compliant
Section 15.207	AC Power Line Conducted Emission Test	Compliant
Section 15.203	Antenna Requirement	Compliant

5. 6DB BANDWIDTH MEASUREMENT

5.1. Block Diagram of Test Setup



5.2. The Requirement For Section 15.247(a)(2)

Section 15.247(a)(2): Systems using digital modulation techniques may operate in the 902-928MHz, 2400-2483.5MHz, and 5725-5850MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.

5.3. EUT Configuration on Measurement

The equipment are installed on the emission measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

5.4. Operating Condition of EUT

5.4.1. Setup the EUT and simulator as shown as Section 5.1.

5.4.2. Turn on the power of all equipment.

5.4.3. Let the EUT work in TX modes measure it. The transmit frequency are 2412-2462 and 2422-2452MHz. We select 2412MHz, 2437MHz, 2462MHz and 2422MHz, 2437MHz, 2452MHz TX frequency to transmit.

5.5. Test Procedure

1. Set resolution bandwidth (RBW) = 100 kHz.
2. Set the video bandwidth (VBW) $\geq 3 \times$ RBW.
3. Detector = Peak.
4. Trace mode = max hold.
5. Sweep = auto couple.
6. Allow the trace to stabilize.
7. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

5.6. Test Result

The test was performed with 802.11b

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)
Low	2412	10.12	> 0.5MHz
Middle	2437	10.12	> 0.5MHz
High	2462	10.12	> 0.5MHz

The test was performed with 802.11g

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)
Low	2412	15.16	> 0.5MHz
Middle	2437	15.44	> 0.5MHz
High	2462	15.44	> 0.5MHz

The test was performed with 802.11n (Bandwidth: 20 MHz)

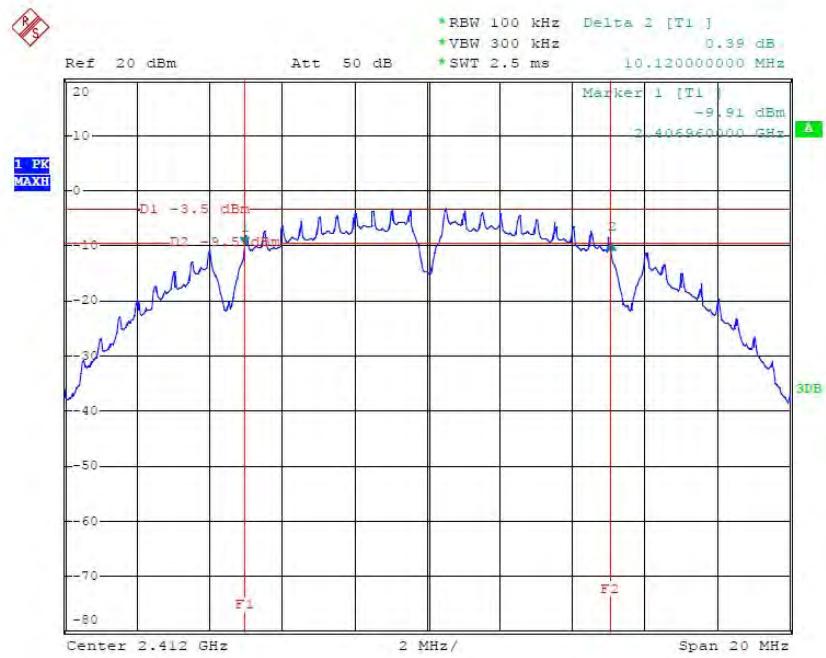
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)
Low	2412	16.40	> 0.5MHz
Middle	2437	16.40	> 0.5MHz
High	2462	16.40	> 0.5MHz

The test was performed with 802.11n (Bandwidth: 40 MHz)

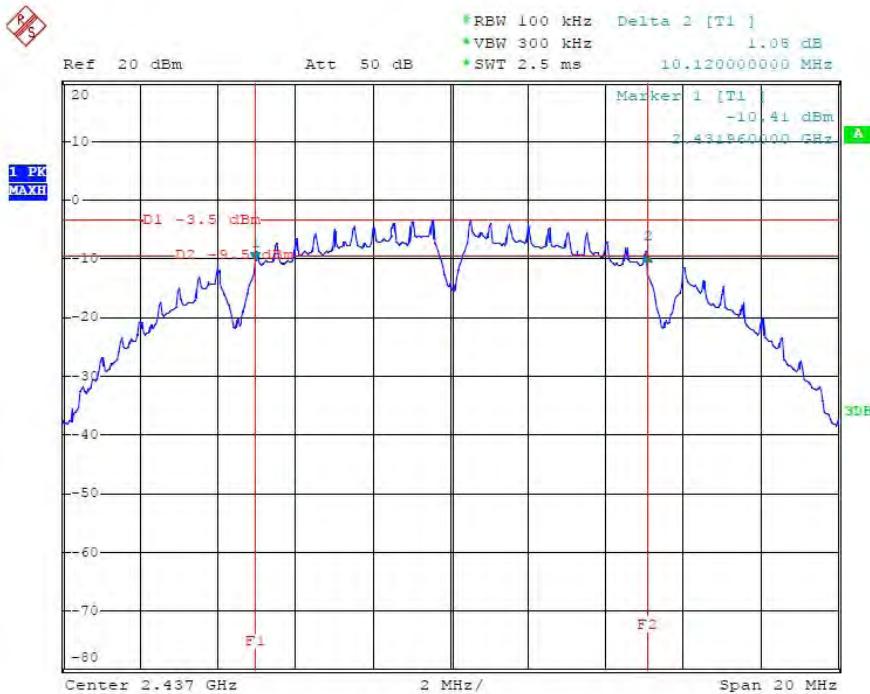
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)
Low	2422	36.44	> 0.5MHz
Middle	2437	36.48	> 0.5MHz
High	2452	36.40	> 0.5MHz

The spectrum analyzer plots are attached as below.

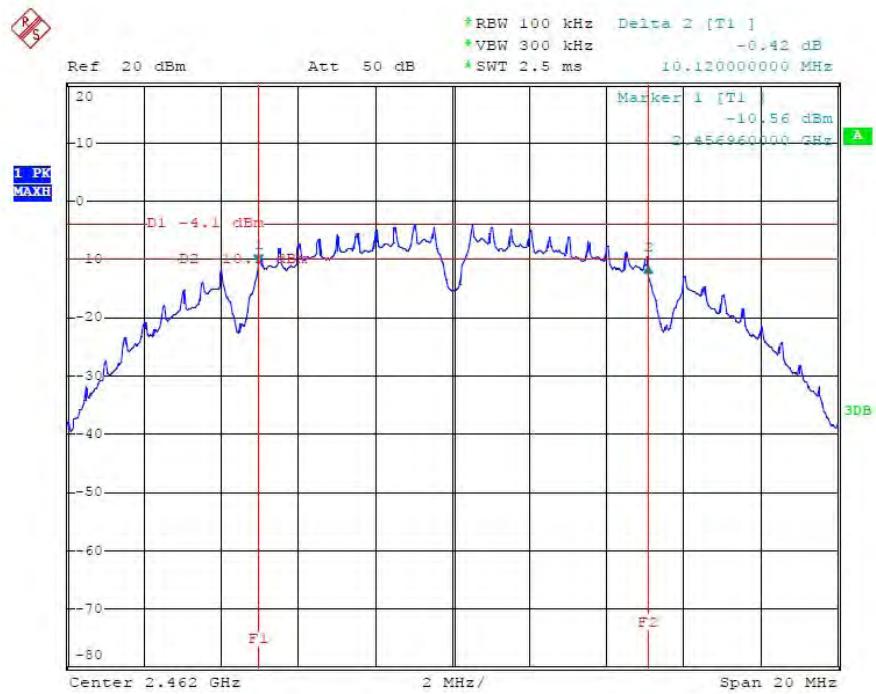
802.11b Channel Low 2412MHz



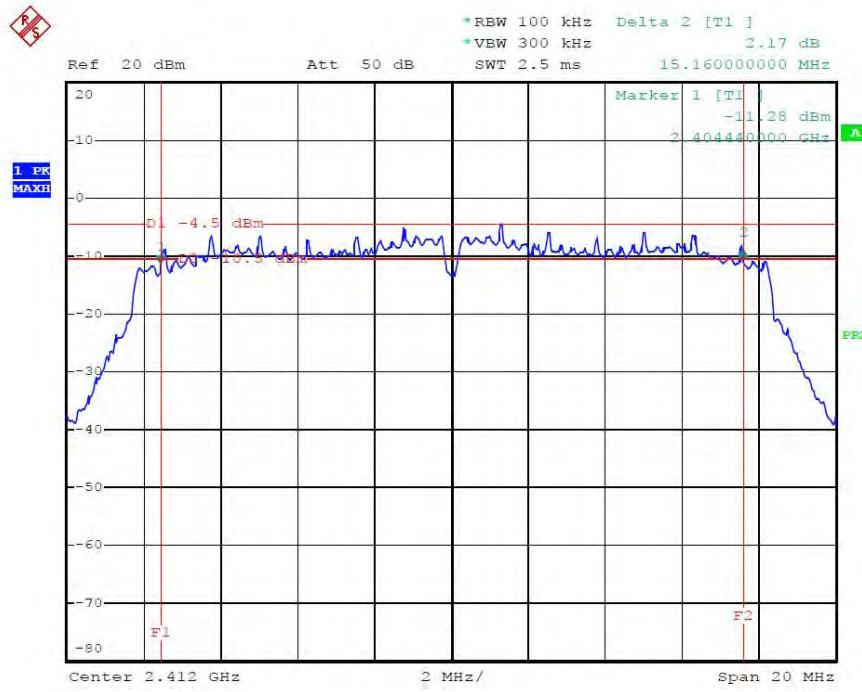
802.11b Channel Middle 2437MHz



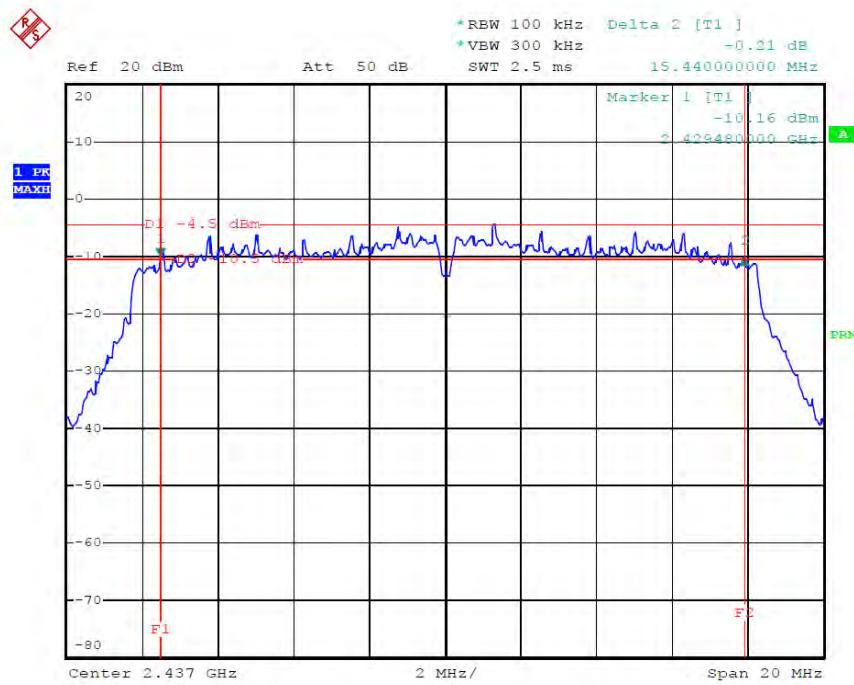
802.11b Channel High 2462MHz



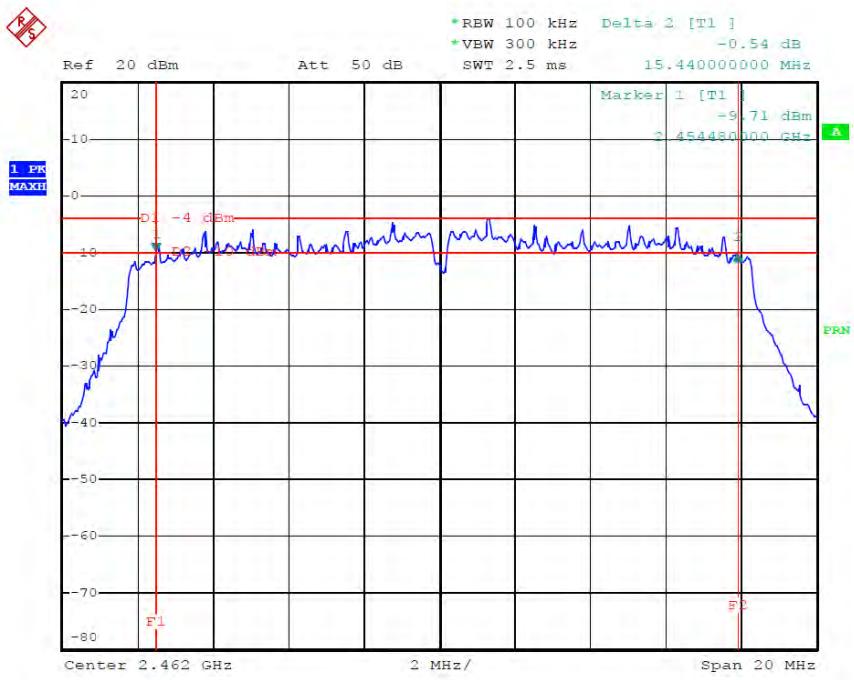
802.11g Channel Low 2412MHz



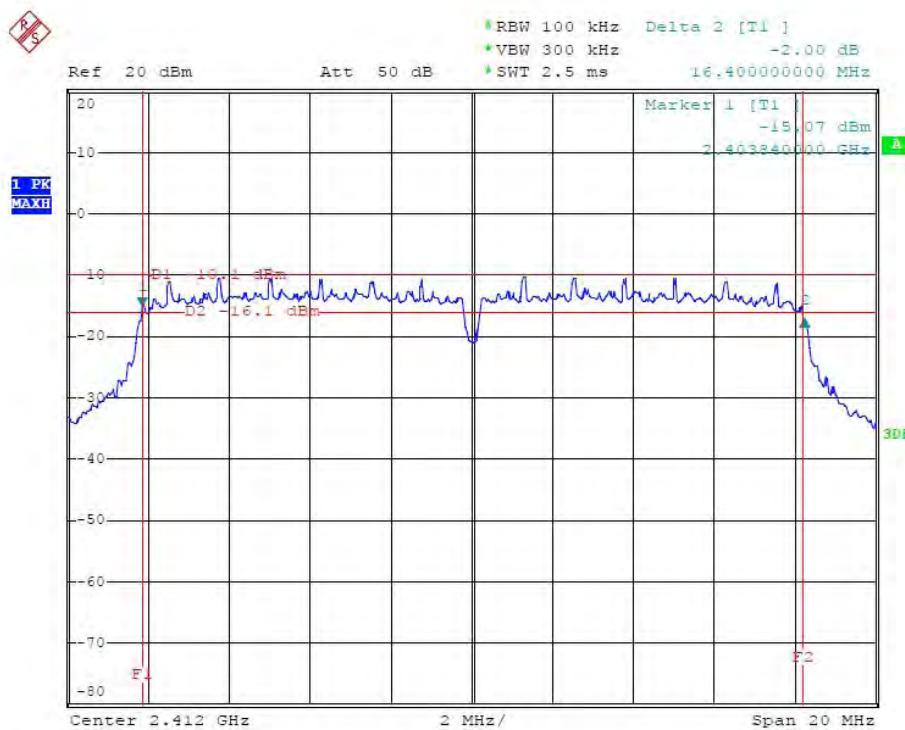
802.11g Channel Middle 2437MHz



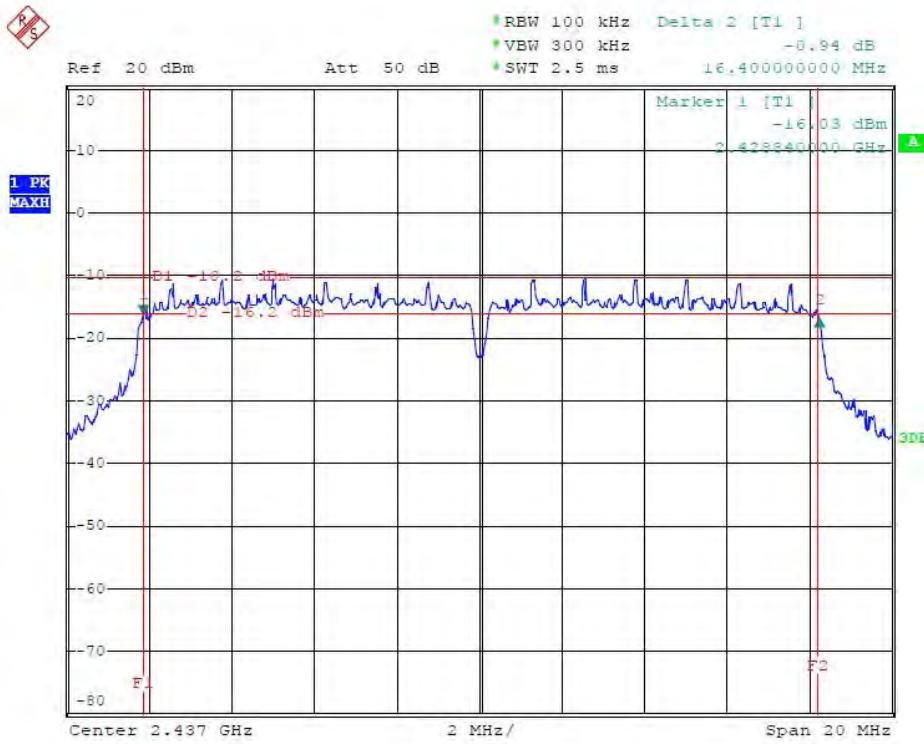
802.11g Channel High 2462MHz



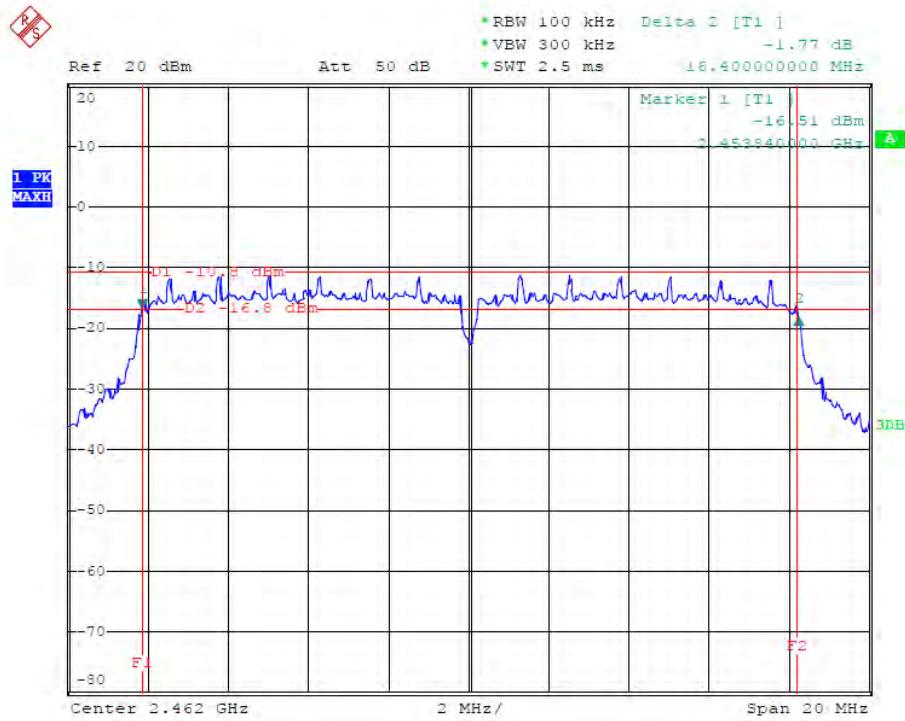
802.11n Channel Low 2412MHz (20MHz)



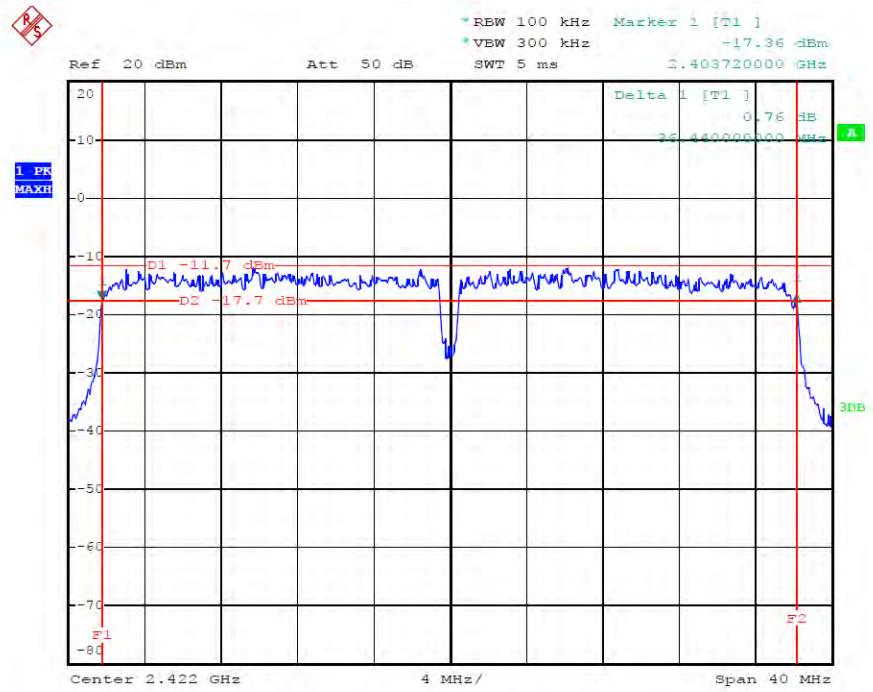
802.11n Channel Middle 2437MHz(20MHz)



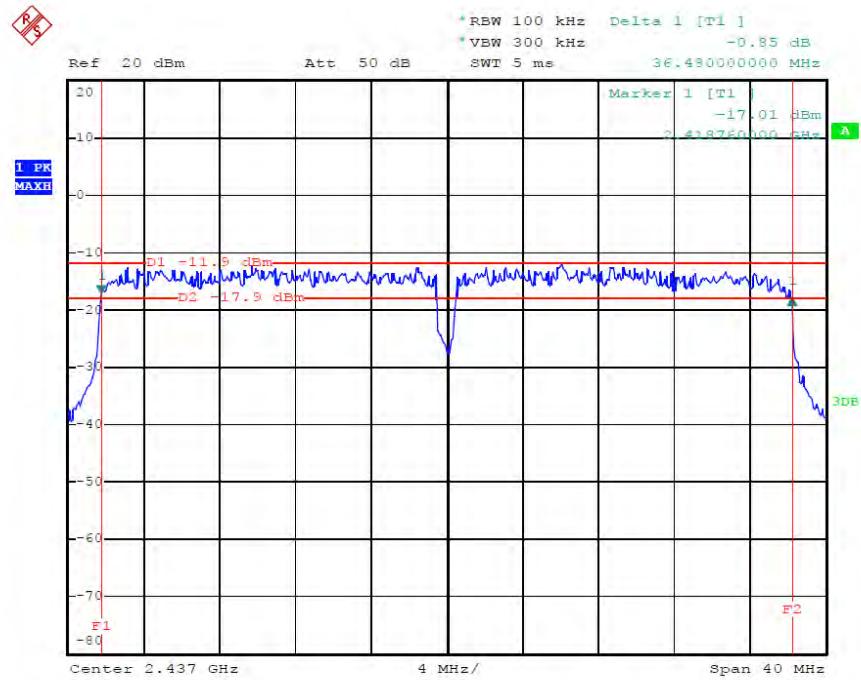
802.11n Channel High 2462MHz(20MHz)



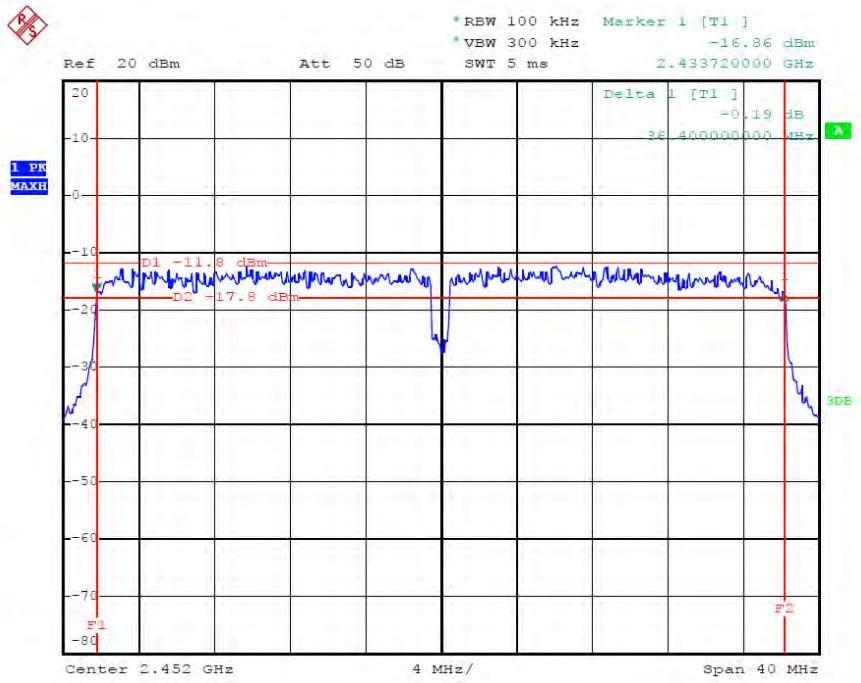
802.11n Channel Low 2422MHz (40MHz)



802.11n Channel Middle 2437MHz(40MHz)

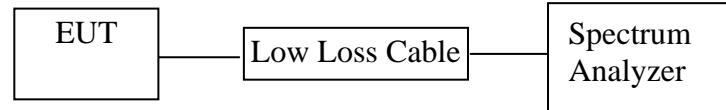


802.11n Channel High 2452MHz(40MHz)



6. MAXIMUM PEAK OUTPUT POWER

6.1. Block Diagram of Test Setup



6.2. The Requirement For Section 15.247(b)(3)

Section 15.247(b)(3): For systems using digital modulation in the 902-928MHz, 2400-2483.5MHz, and 5725-5850MHz bands: 1 Watt.

6.3. EUT Configuration on Measurement

The equipment are installed on the emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

6.4. Operating Condition of EUT

6.4.1. Setup the EUT and simulator as shown as Section 6.1.

6.4.2. Turn on the power of all equipment.

6.4.3. Let the EUT work in TX modes measure it. The transmit frequency are 2412-2462 and 2422-2452MHz. We select 2412MHz, 2437MHz, 2462MHz and 2422MHz, 2437MHz, 2452MHz TX frequency to transmit.

6.5. Test Procedure

- 6.5.1. The EUT was tested according to DTS test procedure of April 09, 2013 KDB558074 D01 DTS Meas Guidance v03 for compliance to FCC 47CFR 15.247 requirements.
- 6.5.2. The transmitter output was connected to the spectrum analyzer through a low loss cable.
- 6.5.3.a) Set the RBW = 1 MHz.
 - b) Set the VBW \geq 3 RBW
 - c) Set the span \geq 1.5 x DTS bandwidth.
 - d) Detector = peak.
 - e) Sweep time = auto couple.
 - f) Trace mode = max hold.
 - g) Allow trace to fully stabilize.
 - h) Use the instrument's band/channel power measurement function with the band limits set equal to the DTS bandwidth edges (for some instruments, this may require a manual override to select peak detector). If the instrument does not have a band power function, sum the spectrum levels (in linear power units) at intervals equal to the RBW extending across the DTS bandwidth.
- 6.5.4. Measurement the maximum peak output power.

6.6. Test Result

The test was performed with 802.11b				
Channel	Frequency (MHz)	Peak Output Power (dBm)	Peak Output Power (mW)	Limits dBm / W
Low	2412	8.80	7.59	30 dBm / 1 W
Middle	2437	8.44	6.98	30 dBm / 1 W
High	2462	7.72	5.92	30 dBm / 1 W

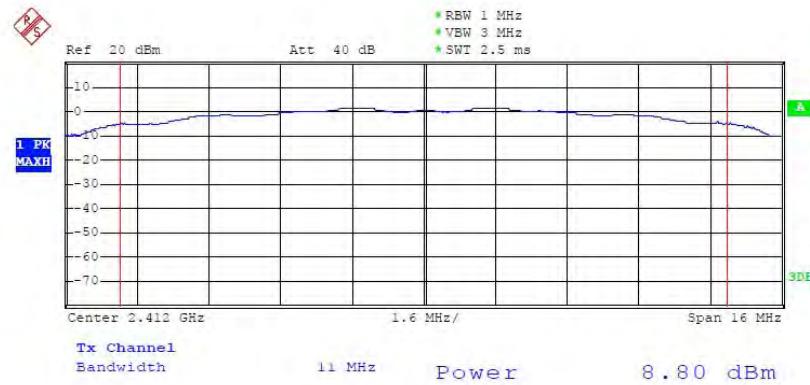
The test was performed with 802.11g				
Channel	Frequency (MHz)	Peak Output Power (dBm)	Peak Output Power (mW)	Limits dBm / W
Low	2412	9.54	8.99	30 dBm / 1 W
Middle	2437	9.16	8.29	30 dBm / 1 W
High	2462	8.53	7.13	30 dBm / 1 W

The test was performed with 802.11n (20MHz)				
Channel	Frequency (MHz)	Peak Output Power (dBm)	Peak Output Power (mW)	Limits dBm / W
Low	2412	7.87	6.12	30 dBm / 1 W
Middle	2437	6.08	4.06	30 dBm / 1 W
High	2462	7.31	5.38	30 dBm / 1 W

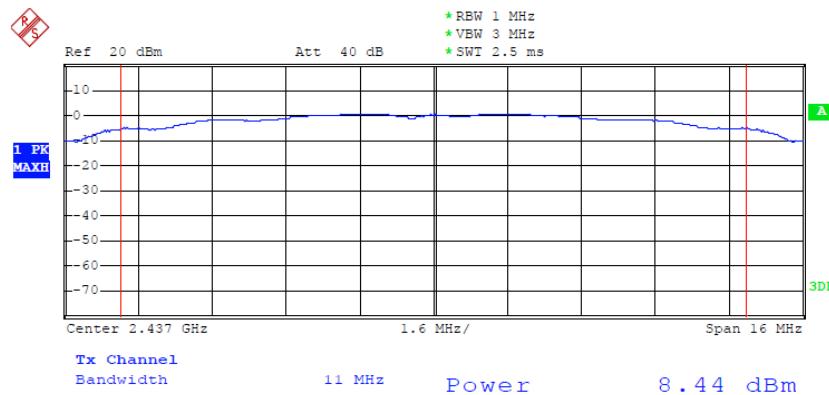
The test was performed with 802.11n (40MHz)				
Channel	Frequency (MHz)	Peak Output Power (dBm)	Peak Output Power (mW)	Limits dBm / W
Low	2422	8.34	6.82	30 dBm / 1 W
Middle	2437	8.17	6.56	30 dBm / 1 W
High	2452	8.62	7.28	30 dBm / 1 W

The spectrum analyzer plots are attached as below.

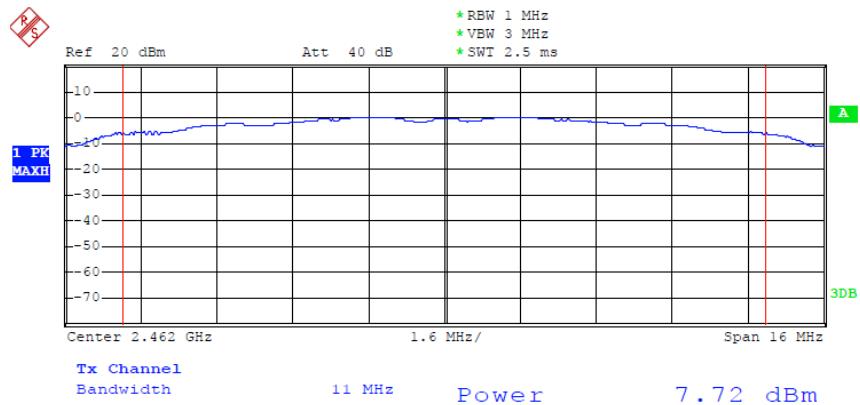
802.11b Channel Low 2412MHz



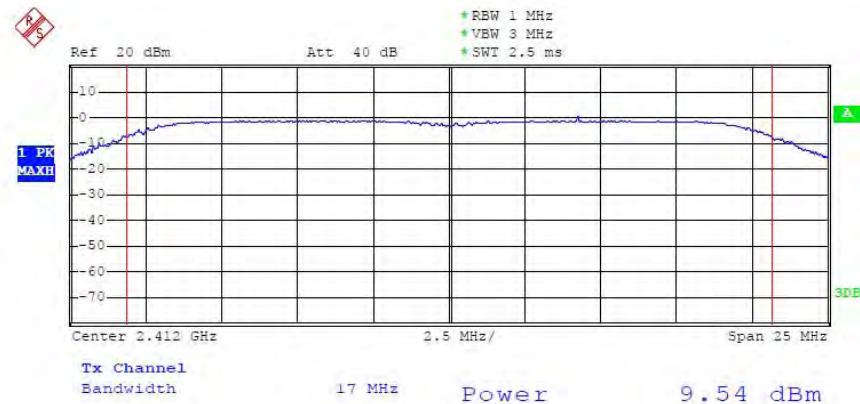
802.11b Channel Middle 2437MHz



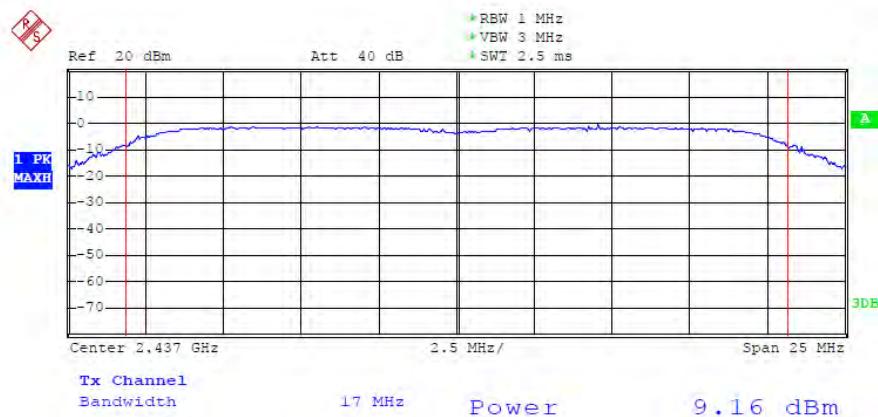
802.11b Channel High 2462MHz



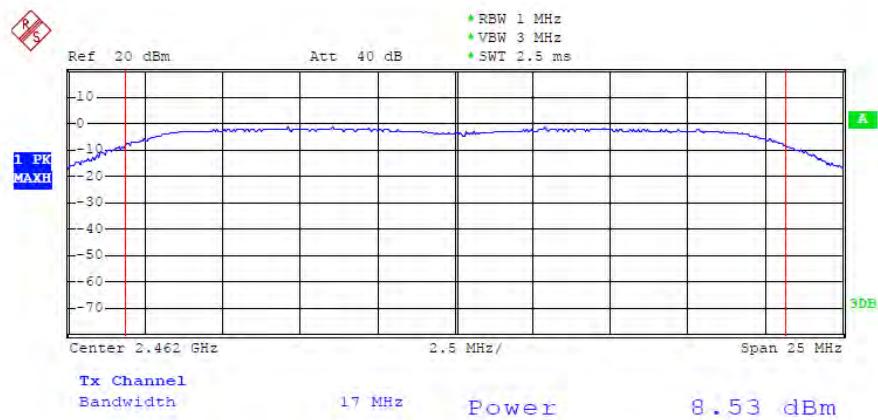
802.11g Channel Low 2412MHz



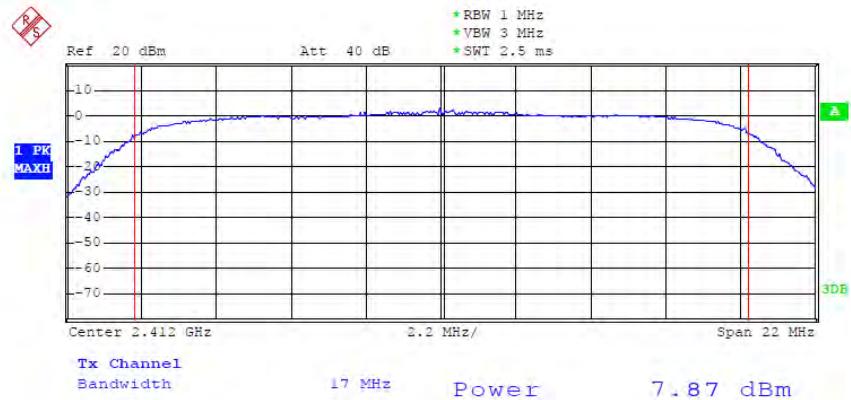
802.11g Channel Middle 2437MHz



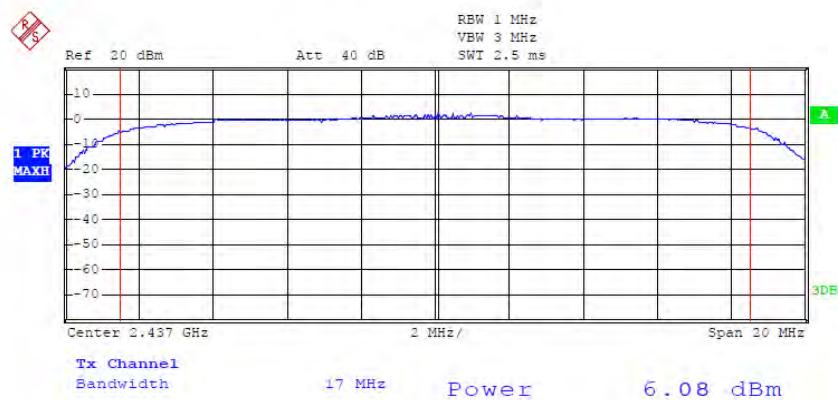
802.11g Channel High 2462MHz



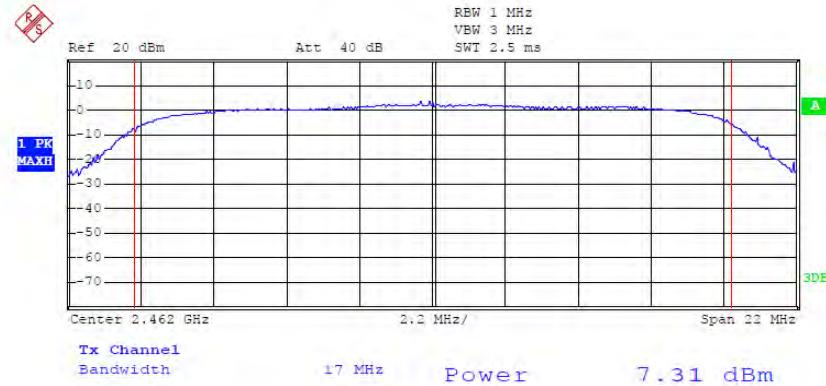
802.11n Channel Low 2412MHz (20MHz)



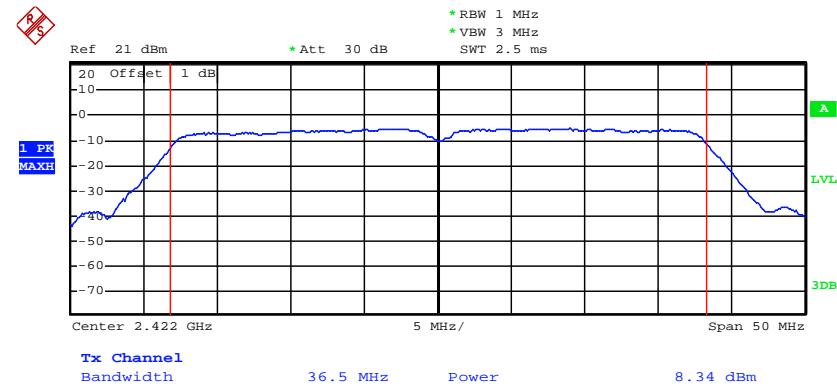
802.11n Channel Middle 2437MHz (20MHz)



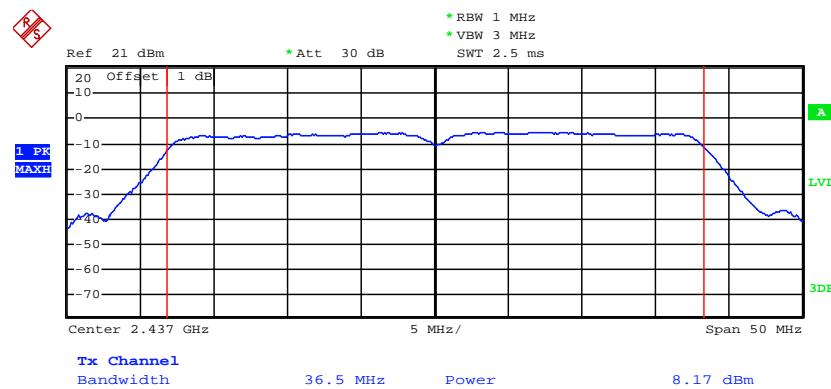
802.11n Channel High 2462MHz (20MHz)



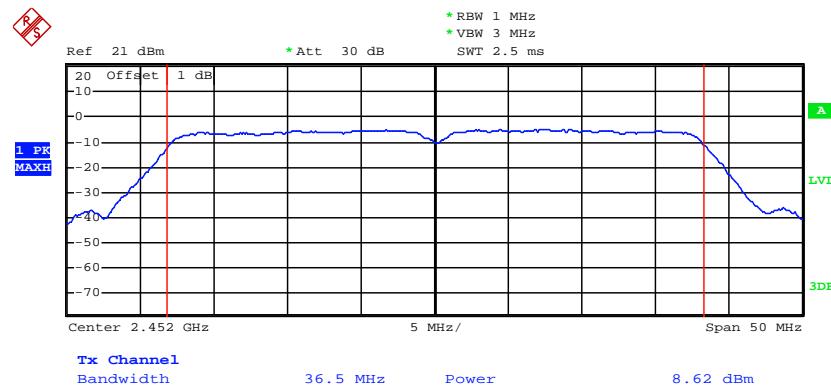
802.11n Channel Low 2422MHz (40MHz)



802.11n Channel Middle 2437MHz (40MHz)

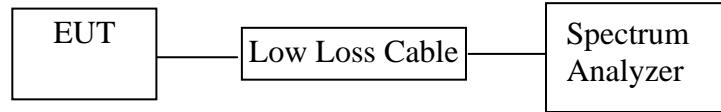


802.11n Channel High 2452MHz (40MHz)



7. POWER SPECTRAL DENSITY MEASUREMENT

7.1. Block Diagram of Test Setup



7.2. The Requirement For Section 15.247(e)

Section 15.247(e): For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

7.3. EUT Configuration on Measurement

The equipment are installed on the emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

7.4. Operating Condition of EUT

7.4.1. Setup the EUT and simulator as shown as Section 7.1.

7.4.2. Turn on the power of all equipment.

7.4.3. Let the EUT work in TX modes measure it. The transmit frequency are 2412-2462 and 2422-2452MHz. We select 2412MHz, 2437MHz, 2462MHz and 2422MHz, 2437MHz, 2452MHz TX frequency to transmit.

7.5. Test Procedure

7.5.1. The transmitter output was connected to the spectrum analyzer through a low loss cable.

7.5.2. Measurement Procedure PKPSD:

This procedure must be used if maximum peak conducted output power was used to demonstrate compliance to the fundamental output power limit, and is optional if the maximum (average) conducted output power was used to demonstrate compliance.

1. Set analyzer center frequency to DTS channel center frequency.
2. Set the span to 1.5 times the DTS channel bandwidth.
3. Set the RBW $3 \text{ kHz} \leqslant \text{RBW} \leqslant 100 \text{ kHz}$.
4. Set the VBW $\geqslant 3 \times \text{RBW}$.
5. Detector = peak.
6. Sweep time = auto couple.
7. Trace mode = max hold.
8. Allow trace to fully stabilize.
9. Use the peak marker function to determine the maximum amplitude level.
10. If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

7.5.3. Measurement the maximum power spectral density.

7.6. Test Result

The test was performed with 802.11b			
Channel	Frequency (MHz)	Power Spectral Density (dBm)	Limits (dBm)
Low	2412	-23.94	8 dBm
Middle	2437	-23.08	8 dBm
High	2462	-22.40	8 dBm

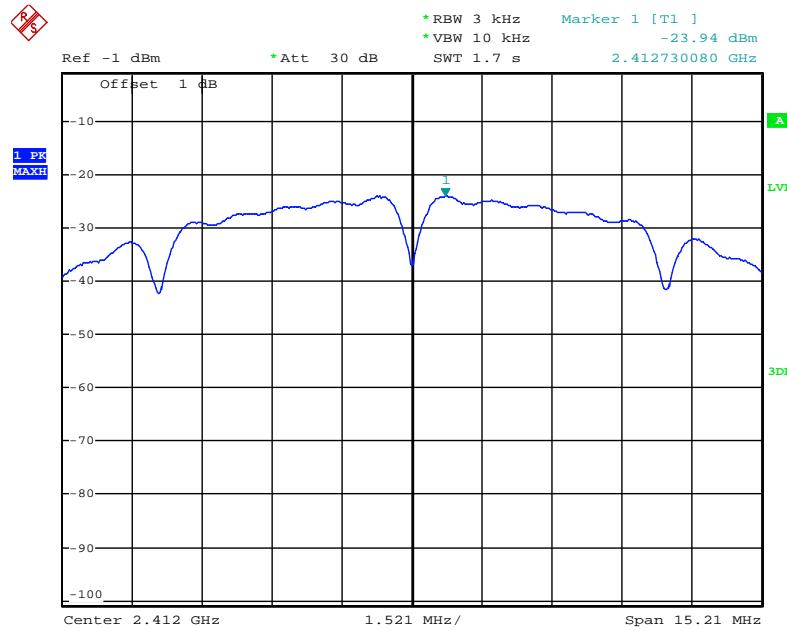
The test was performed with 802.11g			
Channel	Frequency (MHz)	Power Spectral Density (dBm)	Limits (dBm)
Low	2412	-25.97	8 dBm
Middle	2437	-24.77	8 dBm
High	2462	-24.29	8 dBm

The test was performed with 802.11n (20MHz)			
Channel	Frequency (MHz)	Power Spectral Density (dBm)	Limits (dBm)
Low	2412	-28.09	8 dBm
Middle	2437	-26.98	8 dBm
High	2462	-26.41	8 dBm

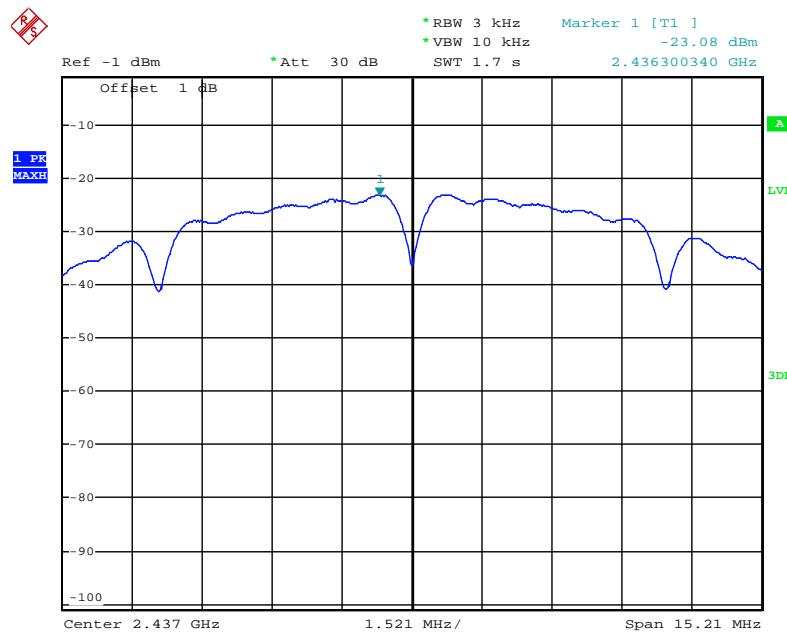
The test was performed with 802.11n (40MHz)			
Channel	Frequency (MHz)	Power Spectral Density (dBm)	Limits (dBm)
Low	2422	-29.17	8 dBm
Middle	2437	-29.33	8 dBm
High	2452	-29.52	8 dBm

The spectrum analyzer plots are attached as below.

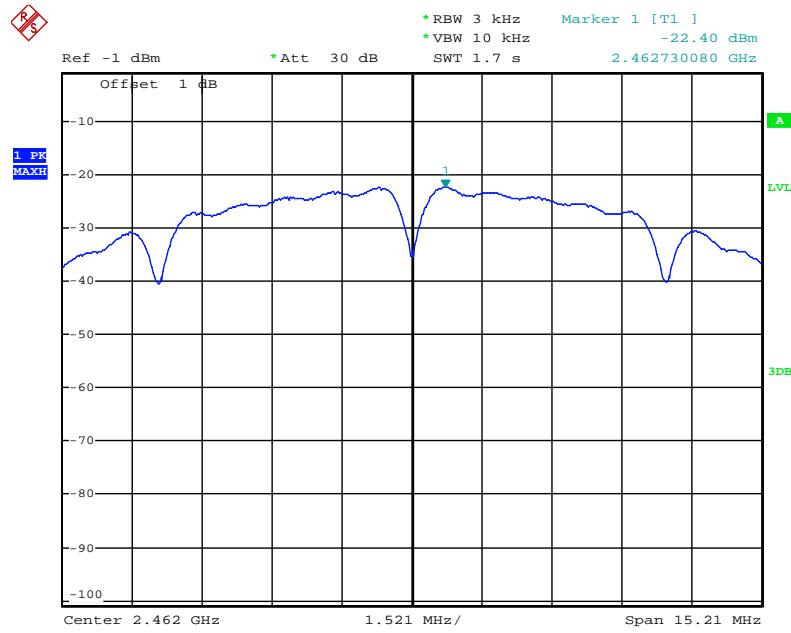
802.11b Channel Low 2412MHz



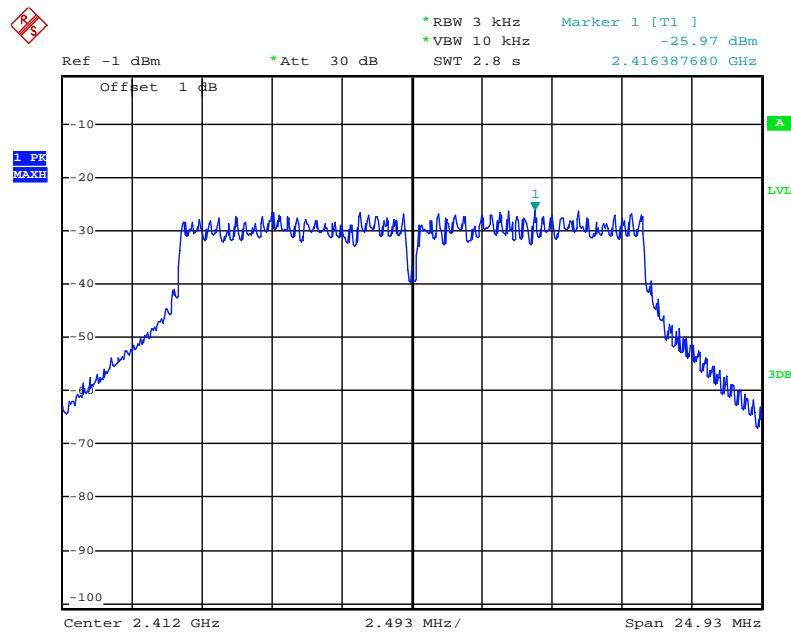
802.11b Channel Middle 2437MHz



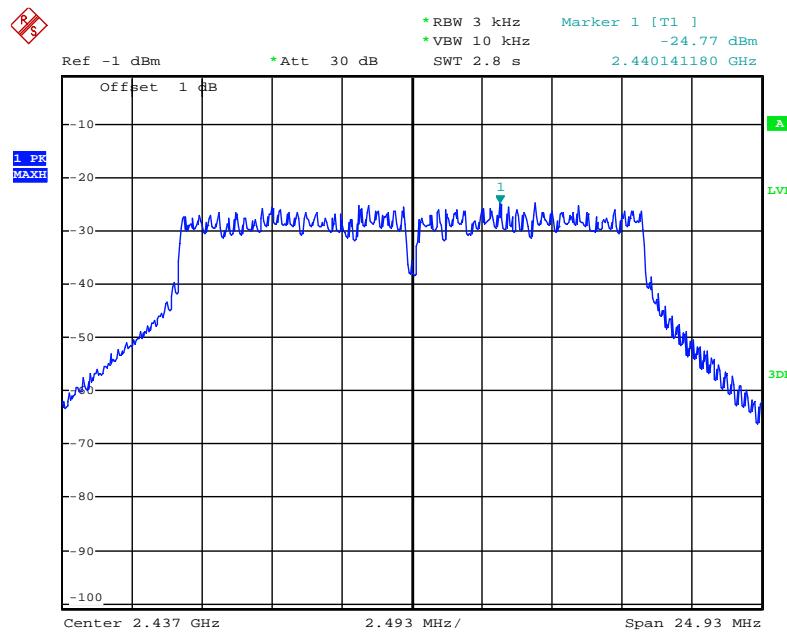
802.11b Channel High 2462MHz



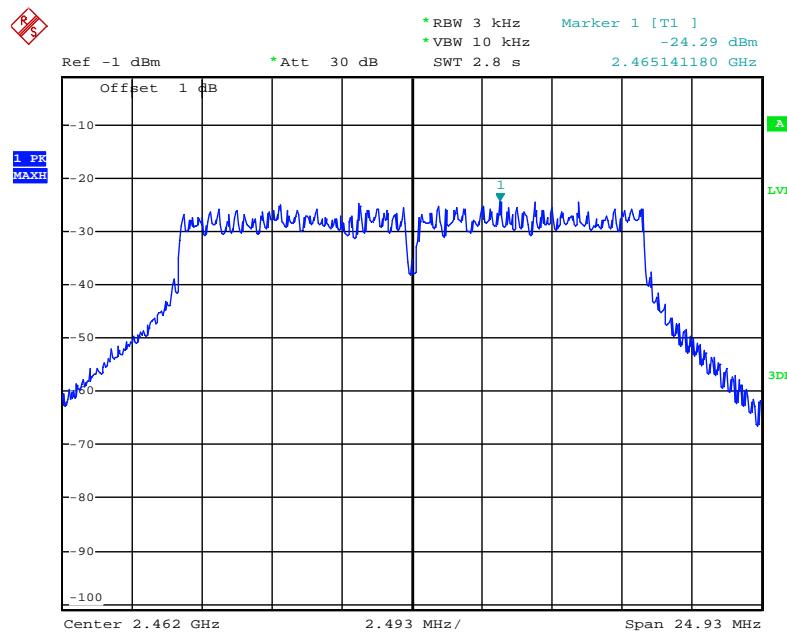
802.11g Channel Low 2412MHz



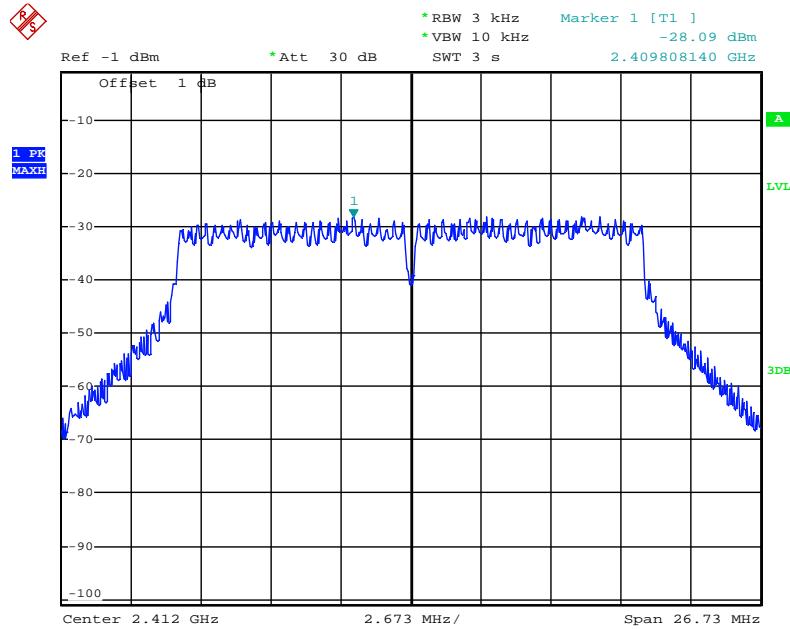
802.11g Channel Middle 2437MHz



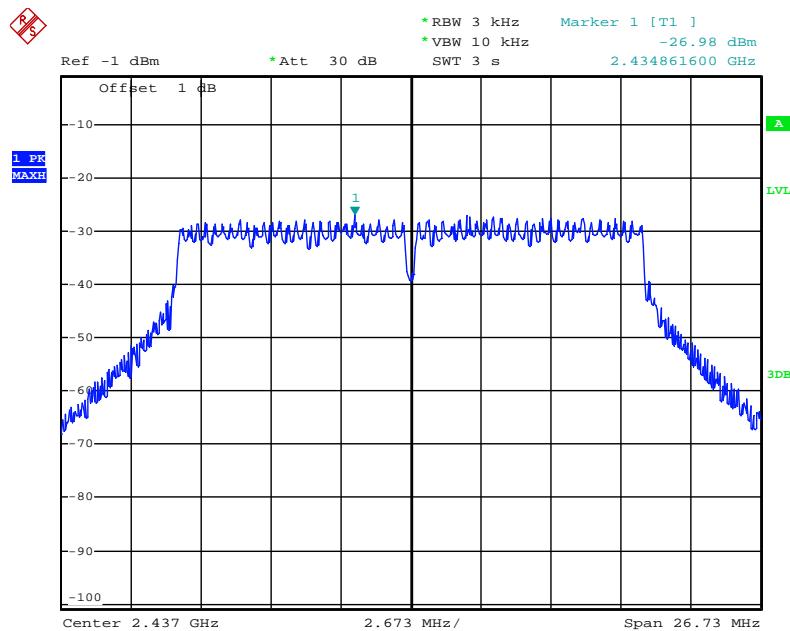
802.11g Channel High 2462MHz



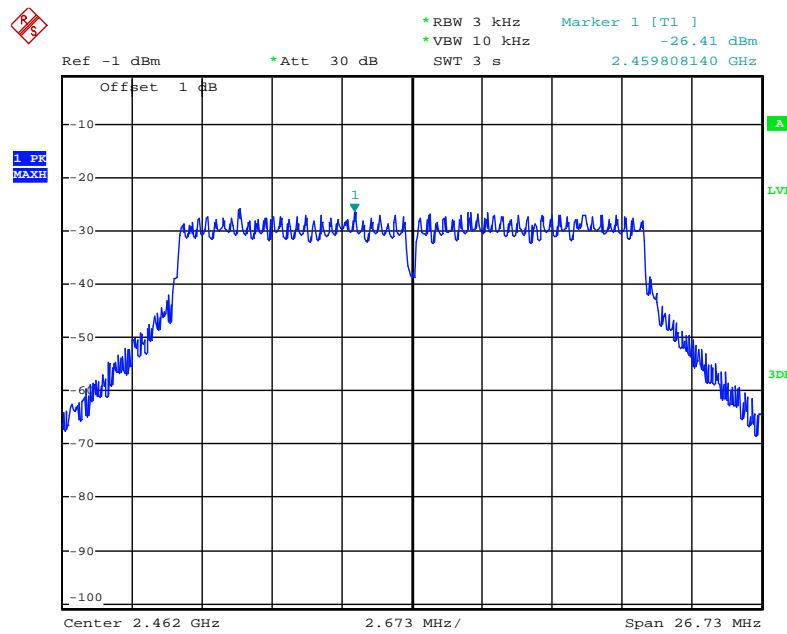
802.11n Channel Low 2412MHz (20MHz)



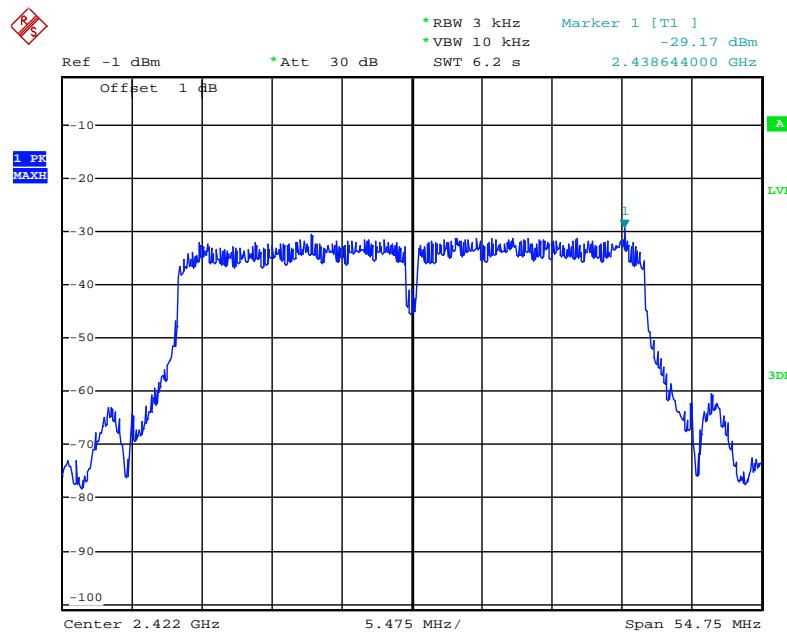
802.11n Channel Middle 2437MHz (20MHz)



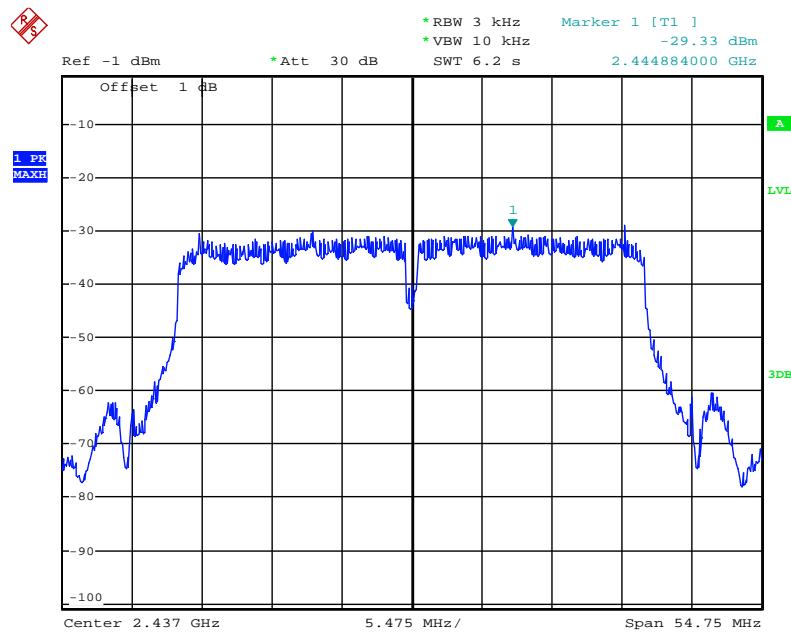
802.11n Channel High 2462MHz(20MHz)



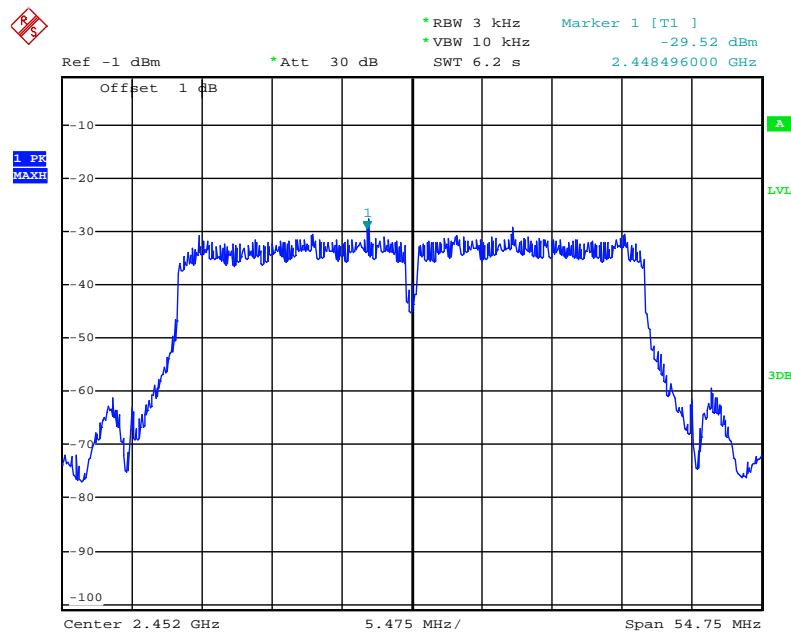
802.11n Channel Low 2422MHz (40MHz)



802.11n Channel Middle 2437MHz(40MHz)

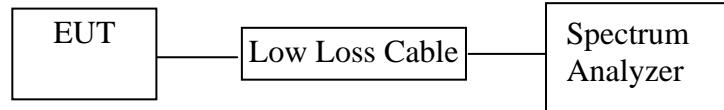


802.11n Channel High 2452MHz(40MHz)



8. BAND EDGE COMPLIANCE TEST

8.1. Block Diagram of Test Setup



8.2. The Requirement For Section 15.247(d)

Section 15.247(d): In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB 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, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a).

8.3. EUT Configuration on Measurement

The equipment are installed on the emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

8.4. Operating Condition of EUT

8.4.1. Setup the EUT and simulator as shown as Section 8.1.

8.4.2. Turn on the power of all equipment.

8.4.3. Let the EUT work in TX modes measure it. The transmit frequency are 2412-2462 and 2422-2452MHz MHz. We select 2412MHz, 2462MHz and 2422MHz, 2452MHz TX frequency to transmit.

8.5. Test Procedure

Conducted Band Edge:

8.5.1. The transmitter output was connected to the spectrum analyzer via a low loss cable.

8.5.2. Set RBW of spectrum analyzer to 100kHz and VBW to 300kHz.

Radiate Band Edge:

8.5.3. The EUT is placed on a turntable, which is 0.8m above the ground plane and worked at highest radiated power.

8.5.4. The turntable was rotated for 360 degrees to determine the position of maximum emission level.

8.5.5. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emission.

8.5.6. Set the spectrum analyzer in the following setting in order to capture the lower and upper band-edges of the emission:

RBW=1MHz, VBW=1MHz

8.5.7. The band edges were measured and recorded.

8.6. Test Result

The test was performed with 802.11b

Frequency (MHz)	Result of Band Edge (dBc)	Limit of Band Edge (dBc)
2412	36.81	> 20dBc
2462	50.12	> 20dBc

The test was performed with 802.11g

Frequency (MHz)	Result of Band Edge (dBc)	Limit of Band Edge (dBc)
2412	32.63	> 20dBc
2462	44.59	> 20dBc

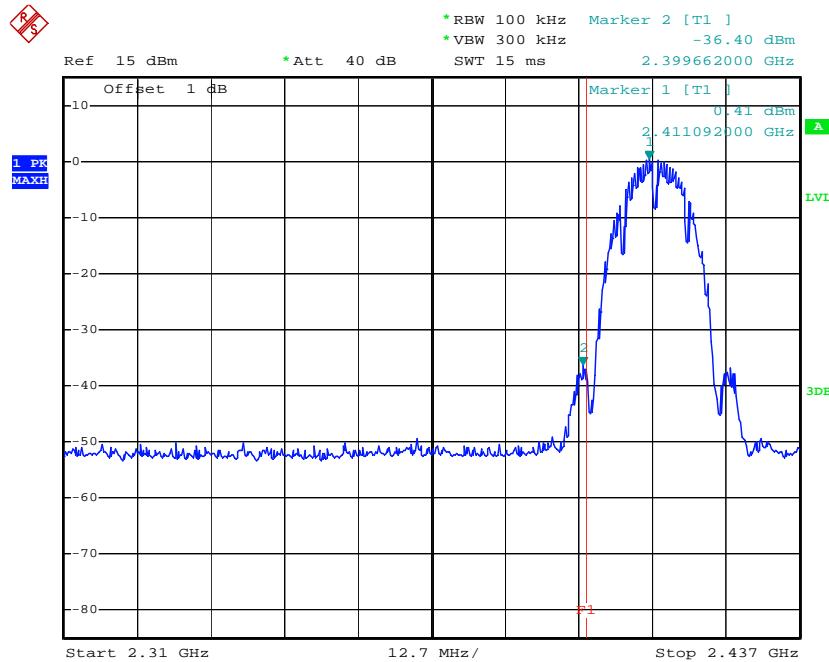
The test was performed with 802.11n (20MHz)

Frequency (MHz)	Result of Band Edge (dBc)	Limit of Band Edge (dBc)
2412	30.32	> 20dBc
2462	44.17	> 20dBc

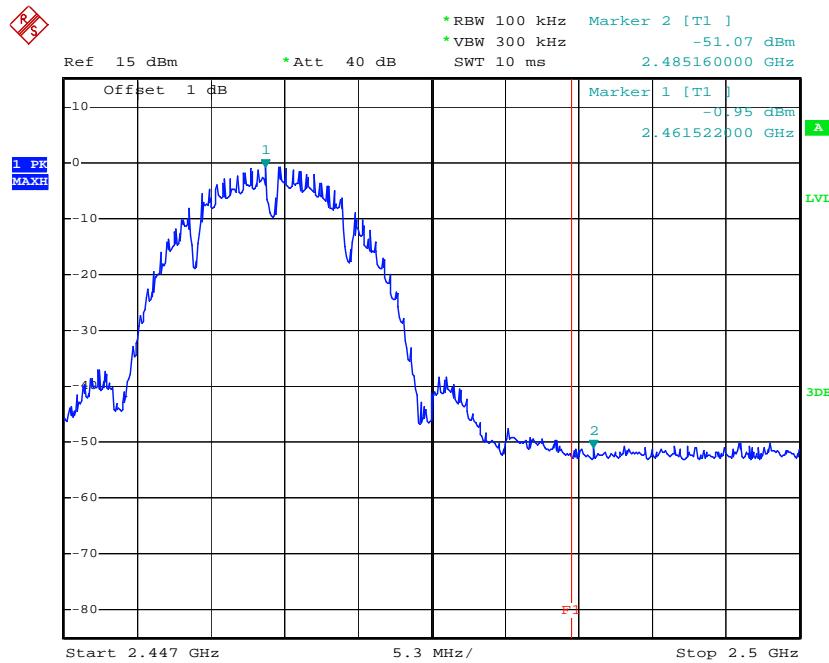
The test was performed with 802.11n (40MHz)

Frequency (MHz)	Result of Band Edge (dBc)	Limit of Band Edge (dBc)
2422	27.13	> 20dBc
2452	43.12	> 20dBc

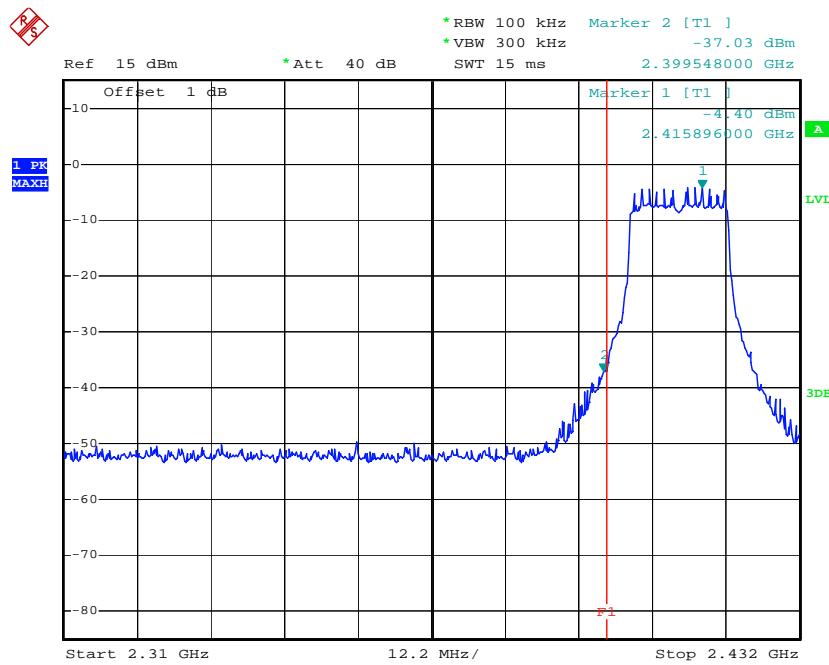
802.11b Channel Low 2412MHz



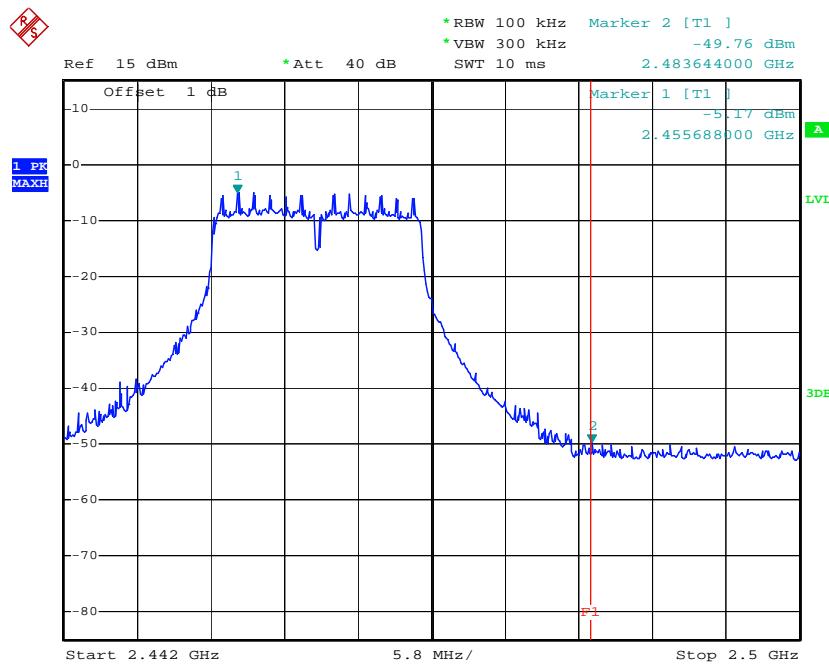
802.11b Channel High 2462MHz



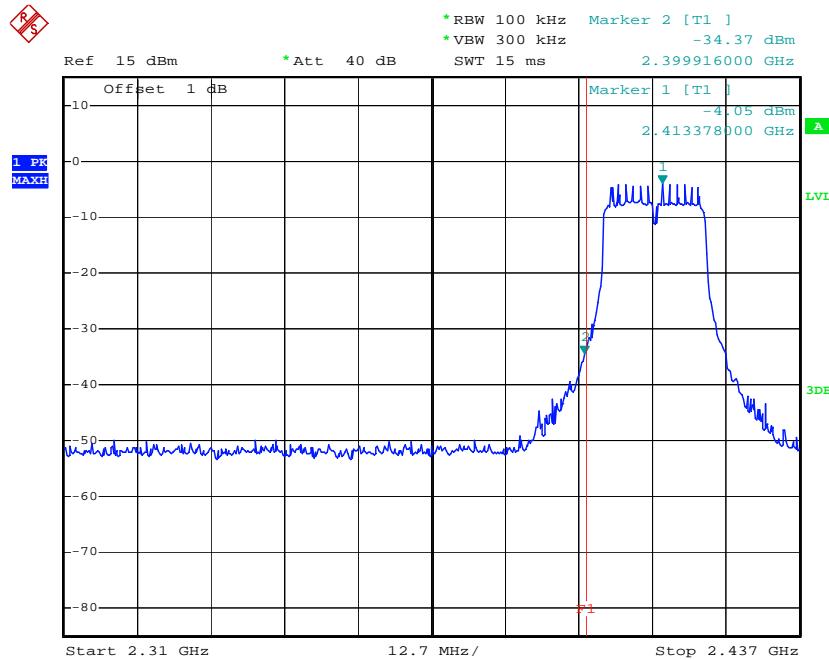
802.11g Channel Low 2412MHz



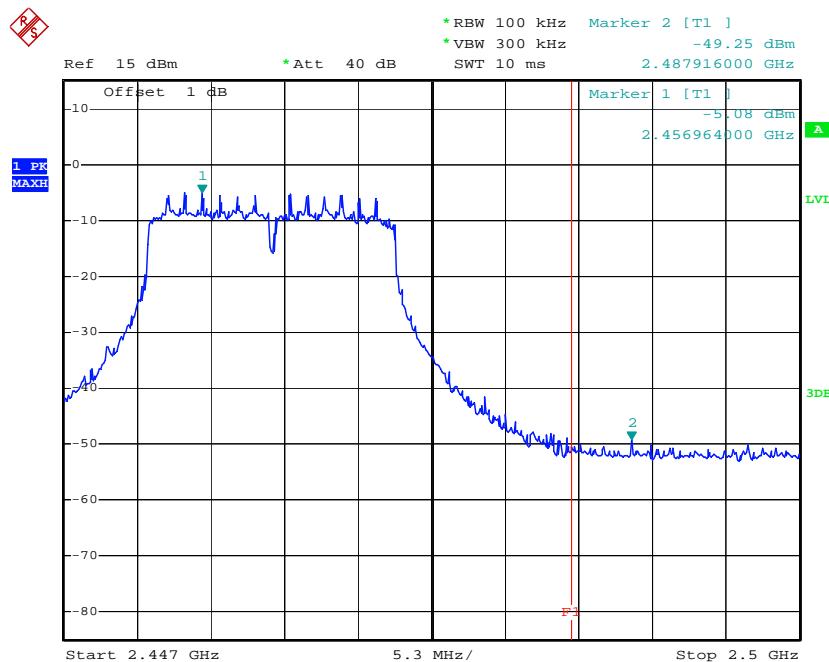
802.11g Channel High 2462MHz



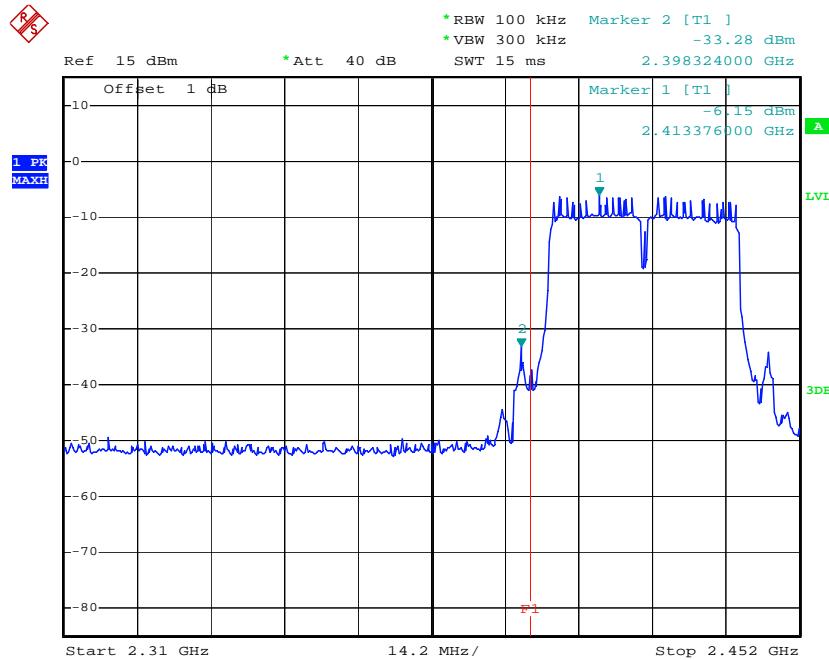
802.11n Channel Low 2412MHz (20MHz)



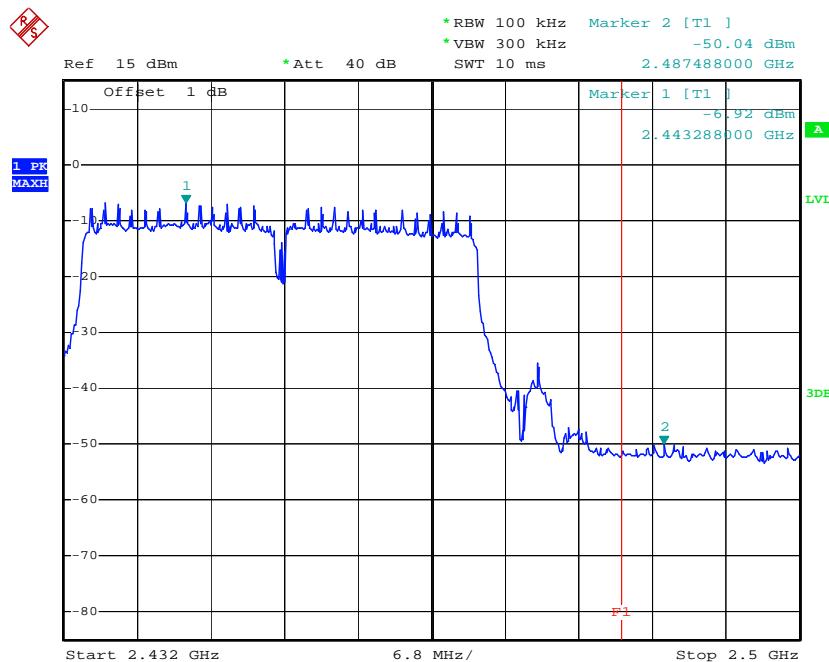
802.11n Channel High 2462MHz (20MHz)



802.11n Channel Low 2422MHz (40MHz)



802.11n Channel High 2452MHz (40MHz)



Radiated Band Edge Result

Date of Test:	October 9, 2013	Temperature:	25°C
EUT:	Tablet	Humidity:	50%
Model No.:	VX-E7001	Power Supply:	AC 120V/60Hz
Test Mode:	802.11b Channel Low 2412MHz	Test Engineer:	Pei

Frequency (MHz)	Reading(dB μ V/m)		Factor(dB) Corr.	Result(dB μ V/m)		Limit(dB μ V/m)		Margin(dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
2310.000	36.87	42.48	-6.99	29.88	35.49	54.00	74.00	-24.12	-38.51	Vertical
2384.840	38.90	45.33	-6.80	32.10	38.53	54.00	74.00	-21.90	-35.47	Vertical
2390.000	37.88	45.24	-6.78	31.10	38.46	54.00	74.00	-22.90	-35.54	Vertical
2310.000	35.90	44.53	-6.99	28.91	37.54	54.00	74.00	-25.09	-36.46	Horizontal
2321.280	40.11	47.23	-6.95	33.16	40.28	54.00	74.00	-20.84	-33.72	Horizontal
2390.000	36.78	44.09	-6.78	30.00	37.31	54.00	74.00	-24.00	-36.69	Horizontal

Note:

1. Emissions attenuated more than 20 dB below the permissible value are not reported.
2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:

$$\text{Result} = \text{Reading} + \text{Corrected Factor}$$
3. Display the measurement of peak values.

Date of Test:	October 9, 2013	Temperature:	25°C
EUT:	Tablet	Humidity:	50%
Model No.:	VX-E7001	Power Supply:	AC 120V/60Hz
Test Mode:	802.11b Channel High 2462MHz	Test Engineer:	Pei

Frequency (MHz)	Reading(dB μ V/m)		Factor(dB) Corr.	Result(dB μ V/m)		Limit(dB μ V/m)		Margin(dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
2483.500	40.00	47.85	-6.54	33.46	41.31	54.00	74.00	-20.54	-32.69	Vertical
2488.000	42.37	49.86	-6.52	35.85	43.34	54.00	74.00	-18.15	-30.66	Vertical
2500.000	38.92	46.53	-6.50	32.42	40.03	54.00	74.00	-21.58	-33.97	Vertical
2483.500	41.55	49.62	-6.54	35.01	43.08	54.00	74.00	-18.99	-30.92	Horizontal
2488.000	43.50	51.04	-6.52	36.98	44.52	54.00	74.00	-17.02	-29.48	Horizontal
2500.000	39.67	46.91	-6.50	33.17	40.41	54.00	74.00	-20.83	-33.59	Horizontal

Note:

1. Emissions attenuated more than 20 dB below the permissible value are not reported.
2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:

$$\text{Result} = \text{Reading} + \text{Corrected Factor}$$
3. Display the measurement of peak values.

Date of Test:	October 9, 2013	Temperature:	25°C
EUT:	Tablet	Humidity:	50%
Model No.:	VX-E7001	Power Supply:	AC 120V/60Hz
Test Mode:	802.11g Channel Low 2412MHz	Test Engineer:	Pei

Frequency (MHz)	Reading(dB μ V/m)		Factor(dB) Corr.	Result(dB μ V/m)		Limit(dB μ V/m)		Margin(dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
2310.000	35.87	42.54	-6.99	28.88	35.55	54.00	74.00	-25.12	-38.45	Vertical
2386.100	43.55	51.94	-6.80	36.75	45.14	54.00	74.00	-17.25	-28.86	Vertical
2390.000	52.77	59.51	-6.78	45.99	52.73	54.00	74.00	-8.01	-21.27	Vertical
2310.000	37.88	45.14	-6.99	30.89	38.15	54.00	74.00	-23.11	-35.85	Horizontal
2385.960	41.11	49.78	-6.80	34.31	42.98	54.00	74.00	-19.69	-31.02	Horizontal
2390.000	49.22	55.48	-6.78	42.44	48.70	54.00	74.00	-11.56	-25.30	Horizontal

Note:

1. Emissions attenuated more than 20 dB below the permissible value are not reported.
2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:

$$\text{Result} = \text{Reading} + \text{Corrected Factor}$$
3. Display the measurement of peak values.

Date of Test: October 9, 2013
 EUT: Tablet
 Model No.: VX-E7001
 Test Mode: 802.11g Channel High 2462MHz

Temperature: 25°C
 Humidity: 50%
 Power Supply: AC 120V/60Hz
 Test Engineer: Pei

Frequency (MHz)	Reading(dB μ V/m)		Factor(dB) Corr.	Result(dB μ V/m)		Limit(dB μ V/m)		Margin(dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
2483.500	46.80	52.61	-6.54	40.26	46.07	54.00	74.00	-13.74	-27.93	Vertical
2487.040	40.00	47.44	-6.53	33.47	40.91	54.00	74.00	-20.53	-33.09	Vertical
2500.000	35.99	43.91	-6.50	29.49	37.41	54.00	74.00	-24.51	-36.59	Vertical
2483.500	47.58	55.18	-6.54	41.04	48.64	54.00	74.00	-12.96	-25.36	Horizontal
2489.920	42.50	49.15	-6.52	35.98	42.63	54.00	74.00	-18.02	-31.37	Horizontal
2500.000	38.00	45.82	-6.50	31.50	39.32	54.00	74.00	-22.50	-34.68	Horizontal

Note:

1. Emissions attenuated more than 20 dB below the permissible value are not reported.
2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:

$$\text{Result} = \text{Reading} + \text{Corrected Factor}$$
3. Display the measurement of peak values.

Date of Test:	October 9, 2013	Temperature:	25°C
EUT:	Tablet	Humidity:	50%
Model No.:	VX-E7001	Power Supply:	AC 120V/60Hz
	802.11n Channel Low 2412MHz		
Test Mode:	(20MHz)	Test Engineer:	Pei

Frequency (MHz)	Reading(dB μ V/m)		Factor(dB) Corr.	Result(dB μ V/m)		Limit(dB μ V/m)		Margin(dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
2310.000	36.90	43.54	-6.99	29.91	36.55	54.00	74.00	-24.09	-37.45	Vertical
2388.480	43.67	52.94	-6.78	36.89	46.16	54.00	74.00	-17.11	-27.84	Vertical
2390.000	46.58	54.66	-6.78	39.80	47.88	54.00	74.00	-14.20	-26.12	Vertical
2310.000	35.97	43.84	-6.99	28.98	36.85	54.00	74.00	-25.02	-37.15	Horizontal
2387.640	40.24	48.56	-6.78	33.46	41.78	54.00	74.00	-20.54	-32.22	Horizontal
2390.000	45.25	51.19	-6.78	38.47	44.41	54.00	74.00	-15.53	-29.59	Horizontal

Note:

1. Emissions attenuated more than 20 dB below the permissible value are not reported.
2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:

$$\text{Result} = \text{Reading} + \text{Corrected Factor}$$
3. Display the measurement of peak values.

Date of Test: October 9, 2013 Temperature: 25°C
 EUT: Tablet Humidity: 50%
 Model No.: VX-E7001 Power Supply: AC 120V/60Hz
802.11n Channel High 2462MHz
 Test Mode: (20MHz) Test Engineer: Pei

Frequency (MHz)	Reading(dB μ V/m)		Factor(dB) Corr.	Result(dB μ V/m)		Limit(dB μ V/m)		Margin(dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
2483.500	51.47	58.25	-6.54	44.93	51.71	54.00	74.00	-9.07	-22.29	Vertical
2486.560	47.50	53.21	-6.53	40.97	46.68	54.00	74.00	-13.03	-27.32	Vertical
2500.000	38.25	45.51	-6.50	31.75	39.01	54.00	74.00	-22.25	-34.99	Vertical
2483.500	53.57	60.36	-6.54	47.03	53.82	54.00	74.00	-6.97	-20.18	Horizontal
2486.080	48.34	55.24	-6.54	41.80	48.70	54.00	74.00	-12.20	-25.30	Horizontal
2500.000	38.99	46.79	-6.50	32.49	40.29	54.00	74.00	-21.51	-33.71	Horizontal

Note:

1. Emissions attenuated more than 20 dB below the permissible value are not reported.
2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:

$$\text{Result} = \text{Reading} + \text{Corrected Factor}$$
3. Display the measurement of peak values.

Date of Test:	October 9, 2013	Temperature:	25°C
EUT:	Tablet	Humidity:	50%
Model No.:	VX-E7001	Power Supply:	AC 120V/60Hz
	802.11n Channel Low 2422MHz		
Test Mode:	(40MHz)	Test Engineer:	Pei

Frequency (MHz)	Reading(dB μ V/m)		Factor(dB) Corr.	Result(dB μ V/m)		Limit(dB μ V/m)		Margin(dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
2310.000	35.88	42.88	-6.99	28.89	35.89	54.00	74.00	-25.11	-38.11	Vertical
2357.600	37.50	44.39	-6.87	30.63	37.52	54.00	74.00	-23.37	-36.48	Vertical
2390.000	38.71	45.89	-6.78	31.93	39.11	54.00	74.00	-22.07	-34.89	Vertical
2310.000	36.90	43.99	-6.99	29.91	37.00	54.00	74.00	-24.09	-37.00	Horizontal
2381.000	43.59	51.82	-6.81	36.78	45.01	54.00	74.00	-17.22	-28.99	Horizontal
2390.000	47.55	55.21	-6.78	40.77	48.43	54.00	74.00	-13.23	-25.57	Horizontal

Note:

1. Emissions attenuated more than 20 dB below the permissible value are not reported.
2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:

$$\text{Result} = \text{Reading} + \text{Corrected Factor}$$
3. Display the measurement of peak values.

Date of Test: October 9, 2013 Temperature: 25°C
 EUT: Tablet Humidity: 50%
 Model No.: VX-E7001 Power Supply: AC 120V/60Hz
802.11n Channel High 2452MHz
 Test Mode: (40MHz) Test Engineer: Pei

Frequency (MHz)	Reading(dB μ V/m)		Factor(dB) Corr.	Result(dB μ V/m)		Limit(dB μ V/m)		Margin(dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
2483.500	49.88	57.18	-6.54	43.34	50.64	54.00	74.00	-10.66	-23.36	Vertical
2490.400	48.75	56.31	-6.51	42.24	49.80	54.00	74.00	-11.76	-24.20	Vertical
2500.000	42.57	49.59	-6.50	36.07	43.09	54.00	74.00	-17.93	-30.91	Vertical
2483.500	50.60	58.31	-6.54	44.06	51.77	54.00	74.00	-9.94	-22.23	Horizontal
2494.000	48.99	56.29	-6.51	42.48	49.78	54.00	74.00	-11.52	-24.22	Horizontal
2500.000	42.99	50.50	-6.50	36.49	44.00	54.00	74.00	-17.51	-30.00	Horizontal

Note:

1. Emissions attenuated more than 20 dB below the permissible value are not reported.
2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:

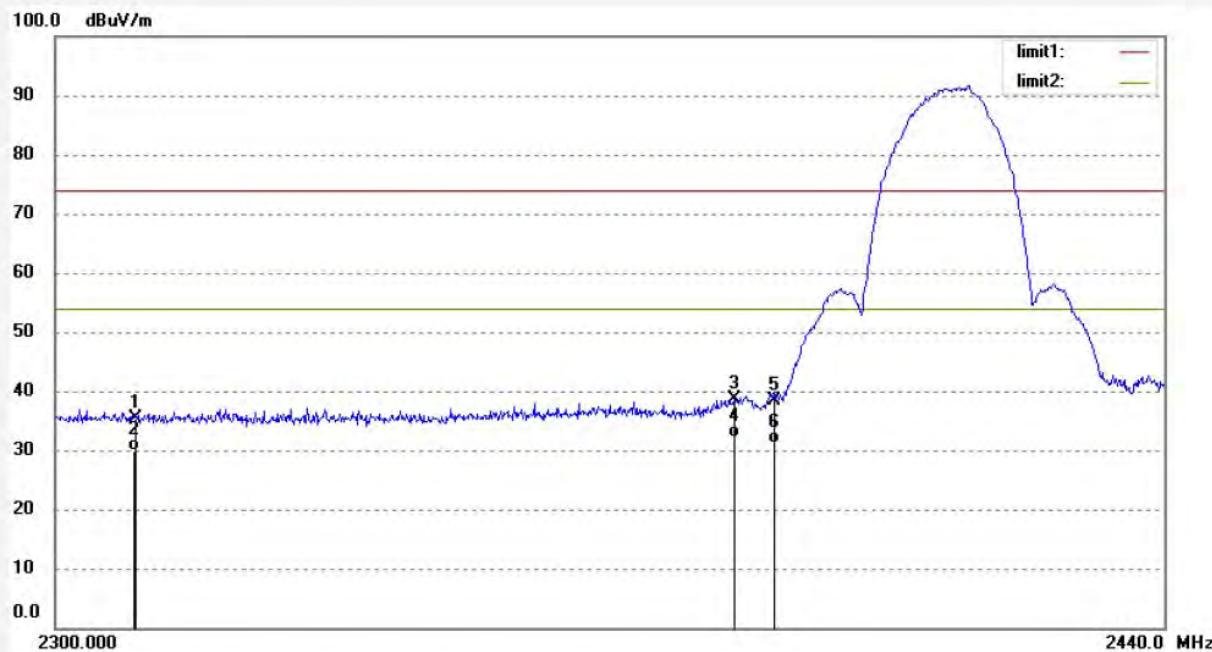
$$\text{Result} = \text{Reading} + \text{Corrected Factor}$$
3. Display the measurement of peak values.


ACCURATE TECHNOLOGY CO., LTD.

 F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
 Science & Industry Park,Nanshan Shenzhen,P.R.China

 Site: 1# Chamber
 Tel:+86-0755-26503290
 Fax:+86-0755-26503396

Job No.: star #3290	Polarization: Vertical
Standard: FCC PK	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/10/09/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 13/29/57
EUT: Tablet	Engineer Signature:
Mode: TX Channel 1(802.11b)	Distance: 3m
Model: VX-E7001	
Manufacturer: Yingbihai	
Note: Report No.:ATE20132087	



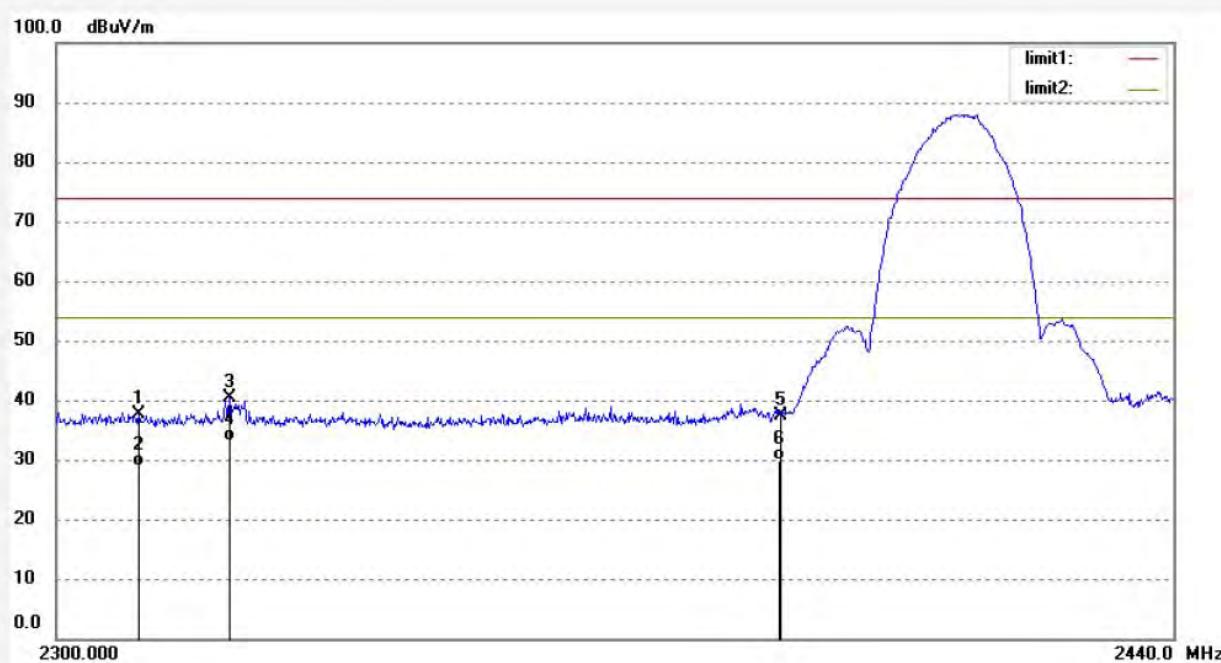
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2310.000	42.48	-6.99	35.49	74.00	-38.51	peak			
2	2310.000	36.87	-6.99	29.88	54.00	-24.12	AVG			
3	2384.840	45.33	-6.80	38.53	74.00	-35.47	peak			
4	2384.840	38.90	-6.80	32.10	54.00	-21.90	AVG			
5	2390.000	45.24	-6.78	38.46	74.00	-35.54	peak			
6	2390.000	37.88	-6.78	31.10	54.00	-22.90	AVG			


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 F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
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 Site: 1# Chamber
 Tel:+86-0755-26503290
 Fax:+86-0755-26503396

Job No.: star #3291	Polarization: Horizontal
Standard: FCC PK	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/10/09/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 13/33/03
EUT: Tablet	Engineer Signature:
Mode: TX Channel 1(802.11b)	Distance: 3m
Model: VX-E7001	
Manufacturer: Yingbinhai	
Note: Report No.:ATE20132087	



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2310.000	44.53	-6.99	37.54	74.00	-36.46	peak			
2	2310.000	35.90	-6.99	28.91	54.00	-25.09	AVG			
3	2321.280	47.23	-6.95	40.28	74.00	-33.72	peak			
4	2321.280	40.11	-6.95	33.16	54.00	-20.84	AVG			
5	2390.000	44.09	-6.78	37.31	74.00	-36.69	peak			
6	2390.000	36.78	-6.78	30.00	54.00	-24.00	AVG			


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Site: 1# Chamber

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Fax:+86-0755-26503396

Job No.: star #3296

Polarization: Horizontal

Standard: FCC PK

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/10/09/

Temp.(C)/Hum.(%) 25 C / 55 %

Time: 13/51/41

EUT: Tablet

Engineer Signature:

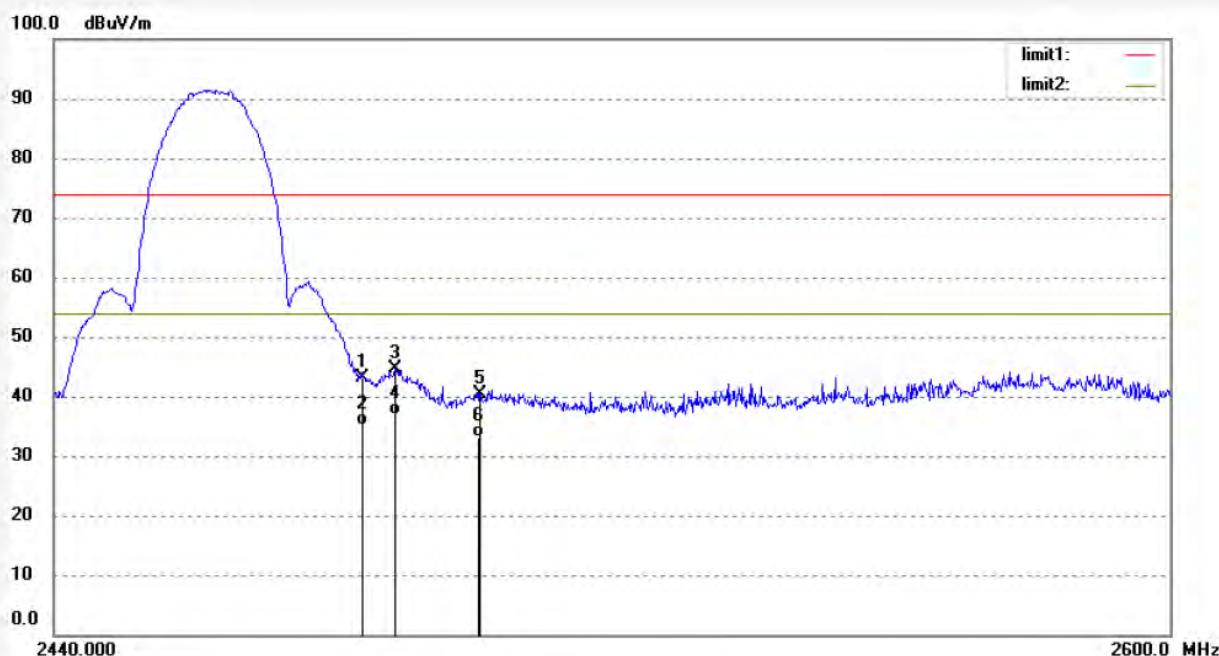
Mode: TX Channel 11(802.11b)

Distance: 3m

Model: VX-E7001

Manufacturer: Yingbinhai

Note: Report No.:ATE20132087



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.500	49.62	-6.54	43.08	74.00	-30.92	peak			
2	2483.500	41.55	-6.54	35.01	54.00	-18.99	AVG			
3	2488.000	51.04	-6.52	44.52	74.00	-29.48	peak			
4	2488.000	43.50	-6.52	36.98	54.00	-17.02	AVG			
5	2500.000	46.91	-6.50	40.41	74.00	-33.59	peak			
6	2500.000	39.67	-6.50	33.17	54.00	-20.83	AVG			


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Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star #3297

Polarization: Vertical

Standard: FCC PK

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/10/09/

Temp.(C)/Hum.(%) 25 C / 55 %

Time: 13/54/07

EUT: Tablet

Engineer Signature:

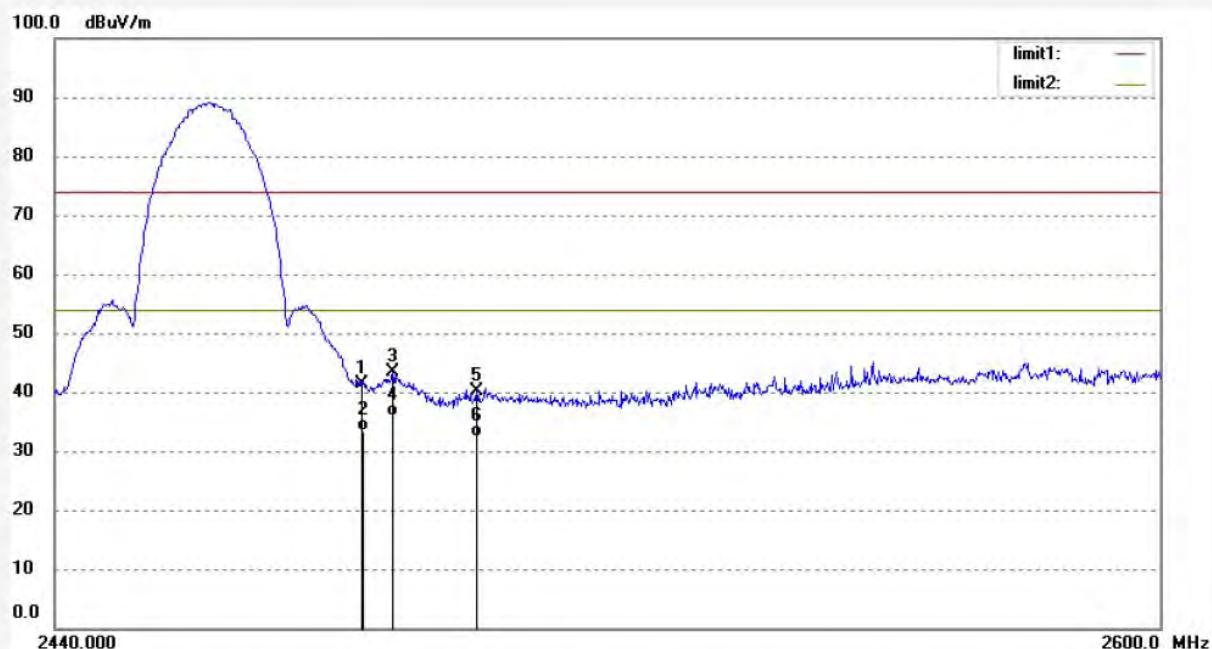
Mode: TX Channel 11(802.11b)

Distance: 3m

Model: VX-E7001

Manufacturer: Yingbinhai

Note: Report No.:ATE20132087



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.500	47.85	-6.54	41.31	74.00	-32.69	peak			
2	2483.500	40.00	-6.54	33.46	54.00	-20.54	AVG			
3	2488.000	49.86	-6.52	43.34	74.00	-30.66	peak			
4	2488.000	42.37	-6.52	35.85	54.00	-18.15	AVG			
5	2500.000	46.53	-6.50	40.03	74.00	-33.97	peak			
6	2500.000	38.92	-6.50	32.42	54.00	-21.58	AVG			


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 Site: 1# Chamber
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 Fax:+86-0755-26503396

Job No.: star #3286

Polarization: Vertical

Standard: FCC PK

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/10/09/

Temp.(C)/Hum.(%) 25 C / 55 %

Time: 13/15/07

EUT: Tablet

Engineer Signature:

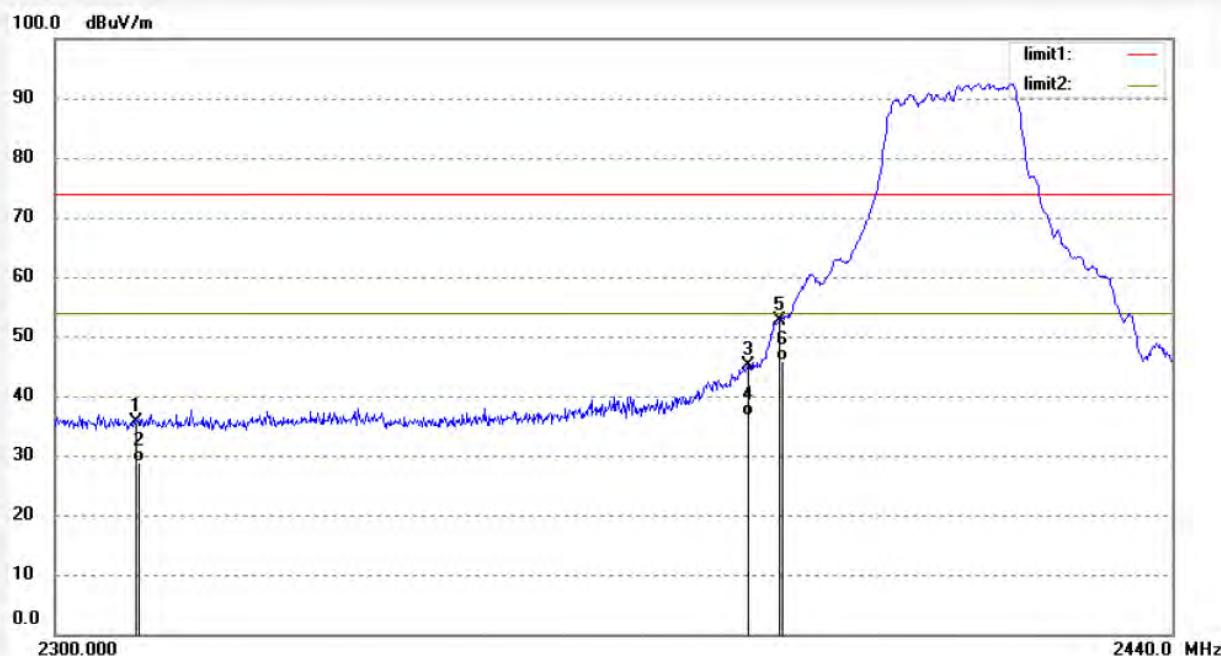
Mode: TX Channel 1(802.11g)

Distance: 3m

Model: VX-E7001

Manufacturer: Yingbinhai

Note: Report No.:ATE20132087



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2310.000	42.54	-6.99	35.55	74.00	-38.45	peak			
2	2310.000	35.87	-6.99	28.88	54.00	-25.12	AVG			
3	2386.100	51.94	-6.80	45.14	74.00	-28.86	peak			
4	2386.100	43.55	-6.80	36.75	54.00	-17.25	AVG			
5	2390.000	59.51	-6.78	52.73	74.00	-21.27	peak			
6	2390.000	52.77	-6.78	45.99	54.00	-8.01	AVG			


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 Site: 1# Chamber
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 Fax:+86-0755-26503396

Job No.: star #3287

Polarization: Horizontal

Standard: FCC PK

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/10/09/

Temp.(C)/Hum.(%) 25 C / 55 %

Time: 13/18/41

EUT: Tablet

Engineer Signature:

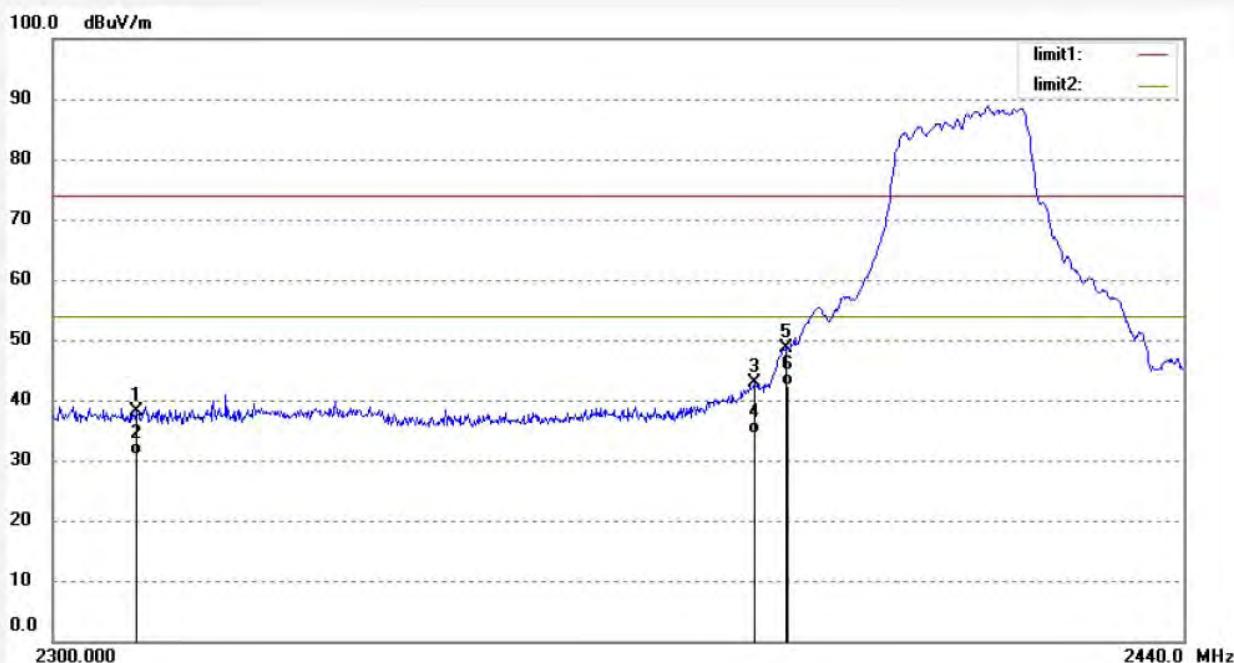
Mode: TX Channel 1(802.11g)

Distance: 3m

Model: VX-E7001

Manufacturer: Yingbinhai

Note: Report No.:ATE20132087



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2310.000	45.14	-6.99	38.15	74.00	-35.85	peak			
2	2310.000	37.88	-6.99	30.89	54.00	-23.11	AVG			
3	2385.960	49.78	-6.80	42.98	74.00	-31.02	peak			
4	2385.960	41.11	-6.80	34.31	54.00	-19.69	AVG			
5	2390.000	55.48	-6.78	48.70	74.00	-25.30	peak			
6	2390.000	49.22	-6.78	42.44	54.00	-11.56	AVG			


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 Site: 1# Chamber
 Tel:+86-0755-26503290
 Fax:+86-0755-26503396

Job No.: star #3298

Polarization: Vertical

Standard: FCC PK

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/10/09

Temp.(C)/Hum.(%) 25 C / 55 %

Time: 13/58/31

EUT: Tablet

Engineer Signature:

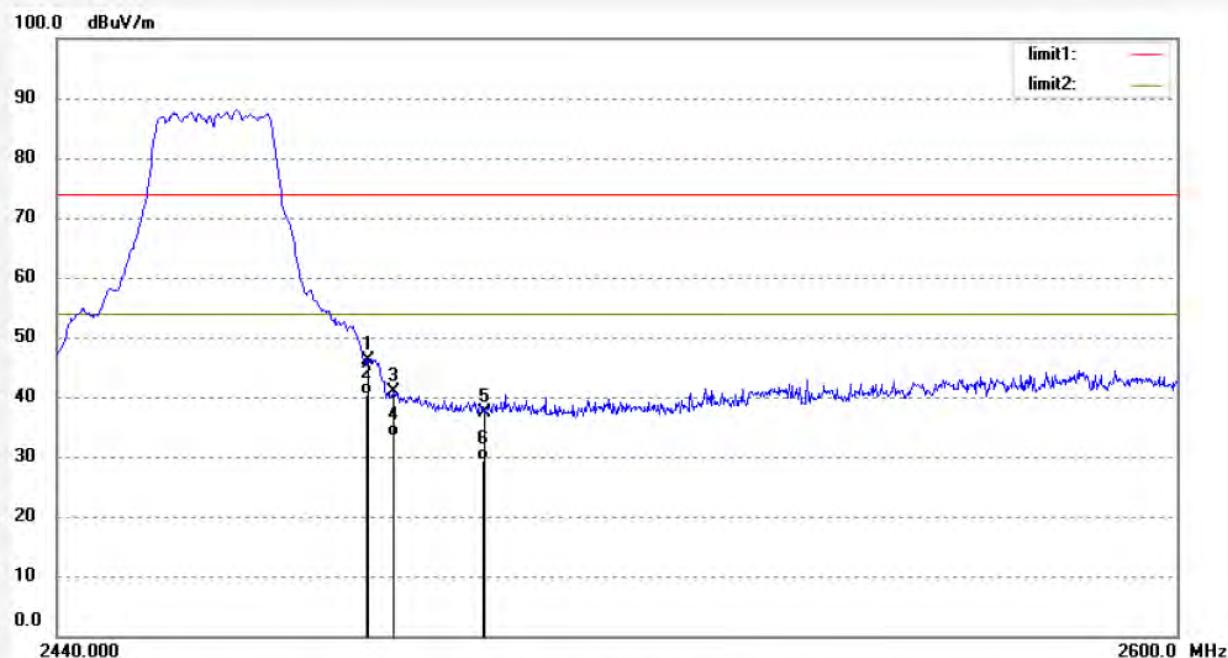
Mode: TX Channel 11(802.11g)

Distance: 3m

Model: VX-E7001

Manufacturer: Yingbinhai

Note: Report No.:ATE20132087



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.500	52.61	-6.54	46.07	74.00	-27.93	peak			
2	2483.500	46.80	-6.54	40.26	54.00	-13.74	AVG			
3	2487.040	47.44	-6.53	40.91	74.00	-33.09	peak			
4	2487.040	40.00	-6.53	33.47	54.00	-20.53	AVG			
5	2500.000	43.91	-6.50	37.41	74.00	-36.59	peak			
6	2500.000	35.99	-6.50	29.49	54.00	-24.51	AVG			


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 Site: 1# Chamber
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 Fax:+86-0755-26503396

Job No.: star #3299

Polarization: Horizontal

Standard: FCC PK

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/10/09/

Temp.(C)/Hum.(%) 25 C / 55 %

Time: 14/02/18

EUT: Tablet

Engineer Signature:

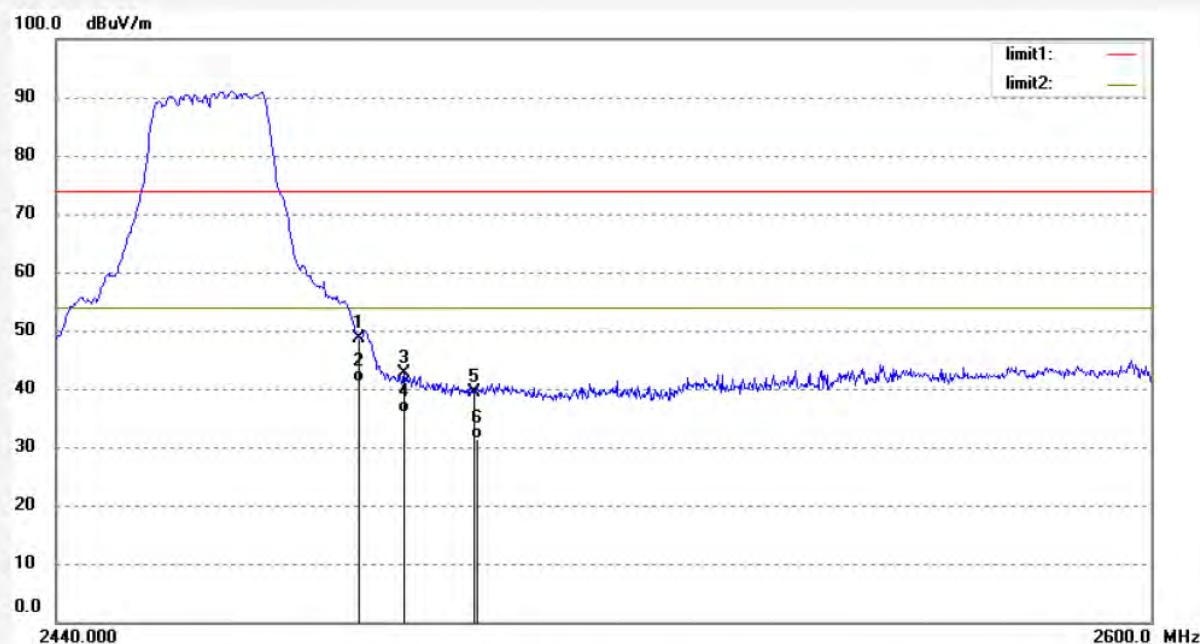
Mode: TX Channel 11(802.11g)

Distance: 3m

Model: VX-E7001

Manufacturer: Yingbinhai

Note: Report No.:ATE20132087



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.500	55.18	-6.54	48.64	74.00	-25.36	peak			
2	2483.500	47.58	-6.54	41.04	54.00	-12.96	AVG			
3	2489.920	49.15	-6.52	42.63	74.00	-31.37	peak			
4	2489.920	42.50	-6.52	35.98	54.00	-18.02	AVG			
5	2500.000	45.82	-6.50	39.32	74.00	-34.68	peak			
6	2500.000	38.00	-6.50	31.50	54.00	-22.50	AVG			


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 Site: 1# Chamber
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 Fax:+86-0755-26503396

Job No.: star #3288

Polarization: Horizontal

Standard: FCC PK

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/10/09/

Temp.(C)/Hum.(%) 25 C / 55 %

Time: 13/22/07

EUT: Tablet

Engineer Signature:

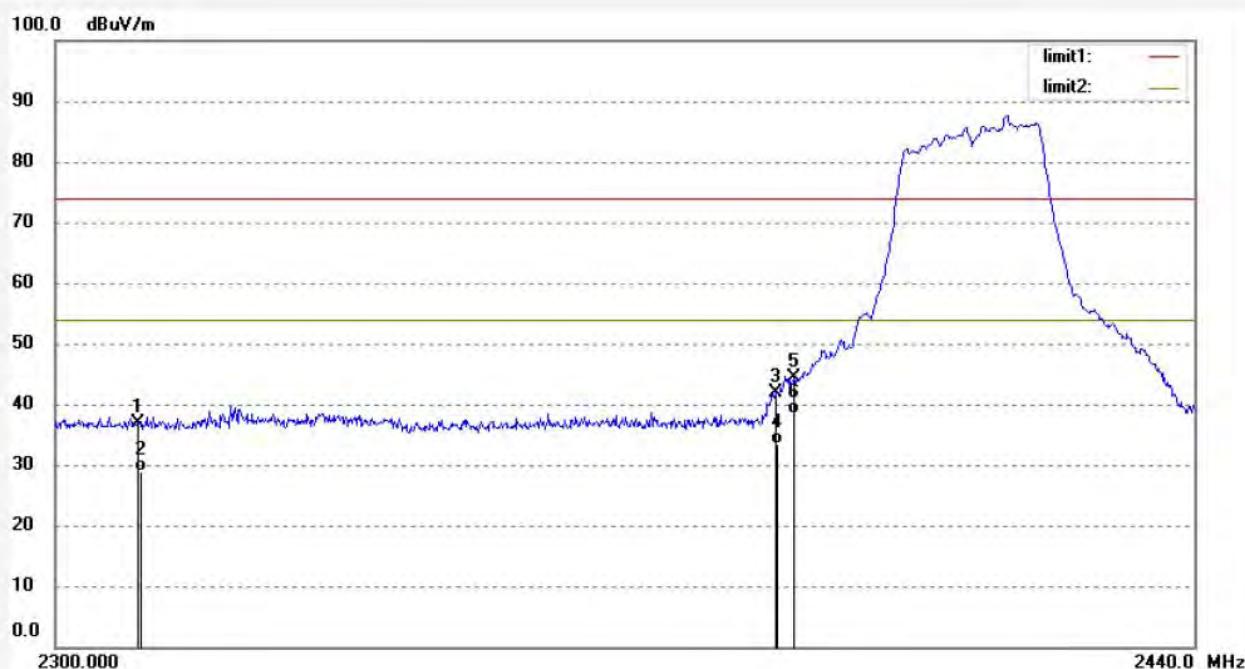
Mode: TX Channel 1(802.11n)

Distance: 3m

Model: VX-E7001

Manufacturer: Yingbinhai

Note: Report No.:ATE20132087



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2310.000	43.84	-6.99	36.85	74.00	-37.15	peak			
2	2310.000	35.97	-6.99	28.98	54.00	-25.02	AVG			
3	2387.640	48.56	-6.78	41.78	74.00	-32.22	peak			
4	2387.640	40.24	-6.78	33.46	54.00	-20.54	AVG			
5	2390.000	51.19	-6.78	44.41	74.00	-29.59	peak			
6	2390.000	45.25	-6.78	38.47	54.00	-15.53	AVG			


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Site: 1# Chamber
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Fax:+86-0755-26503396

Job No.: star #3289

Polarization: Vertical

Standard: FCC PK

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/10/09/

Temp.(C)/Hum.(%) 25 C / 55 %

Time: 13/26/14

EUT: Tablet

Engineer Signature:

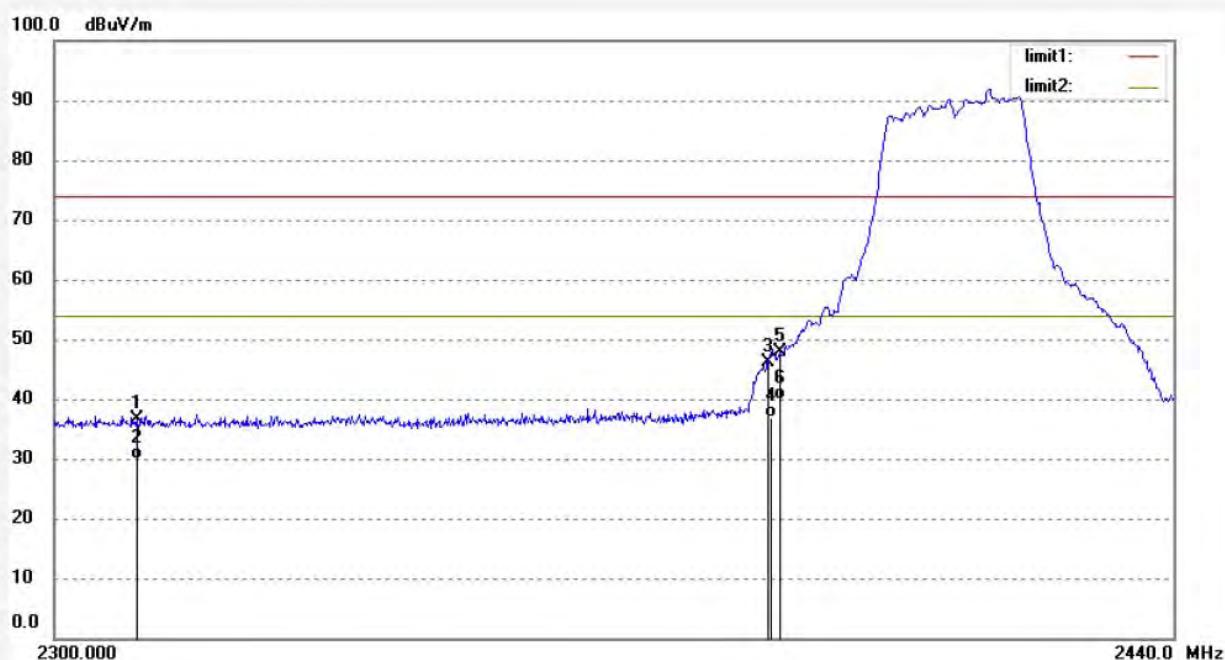
Mode: TX Channel 1(802.11n)

Distance: 3m

Model: VX-E7001

Manufacturer: Yingbinhai

Note: Report No.:ATE20132087



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2310.000	43.54	-6.99	36.55	74.00	-37.45	peak			
2	2310.000	36.90	-6.99	29.91	54.00	-24.09	AVG			
3	2388.480	52.94	-6.78	46.16	74.00	-27.84	peak			
4	2388.480	43.67	-6.78	36.89	54.00	-17.11	AVG			
5	2390.000	54.66	-6.78	47.88	74.00	-26.12	peak			
6	2390.000	46.58	-6.78	39.80	54.00	-14.20	AVG			


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Site: 1# Chamber
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Job No.: star #3300

Polarization: Horizontal

Standard: FCC PK

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/10/09/

Temp.(C)/Hum.(%) 25 C / 55 %

Time: 14/06/32

EUT: Tablet

Engineer Signature:

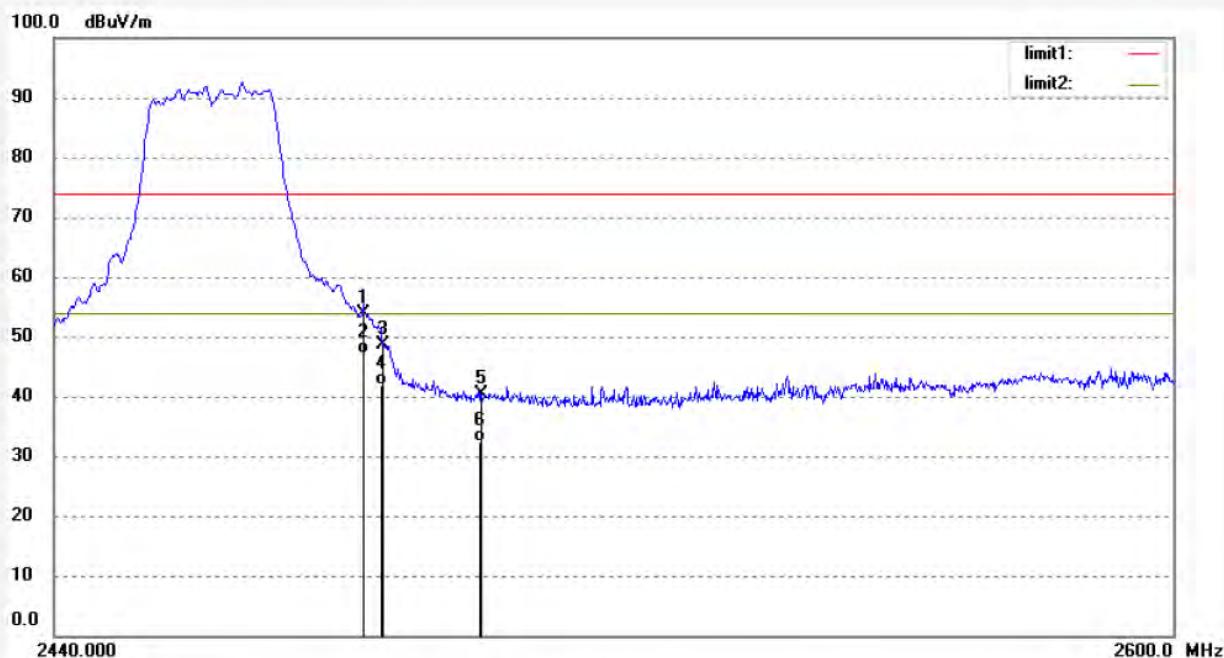
Mode: TX Channel 11(802.11n)

Distance: 3m

Model: VX-E7001

Manufacturer: Yingbinhai

Note: Report No.:ATE20132087



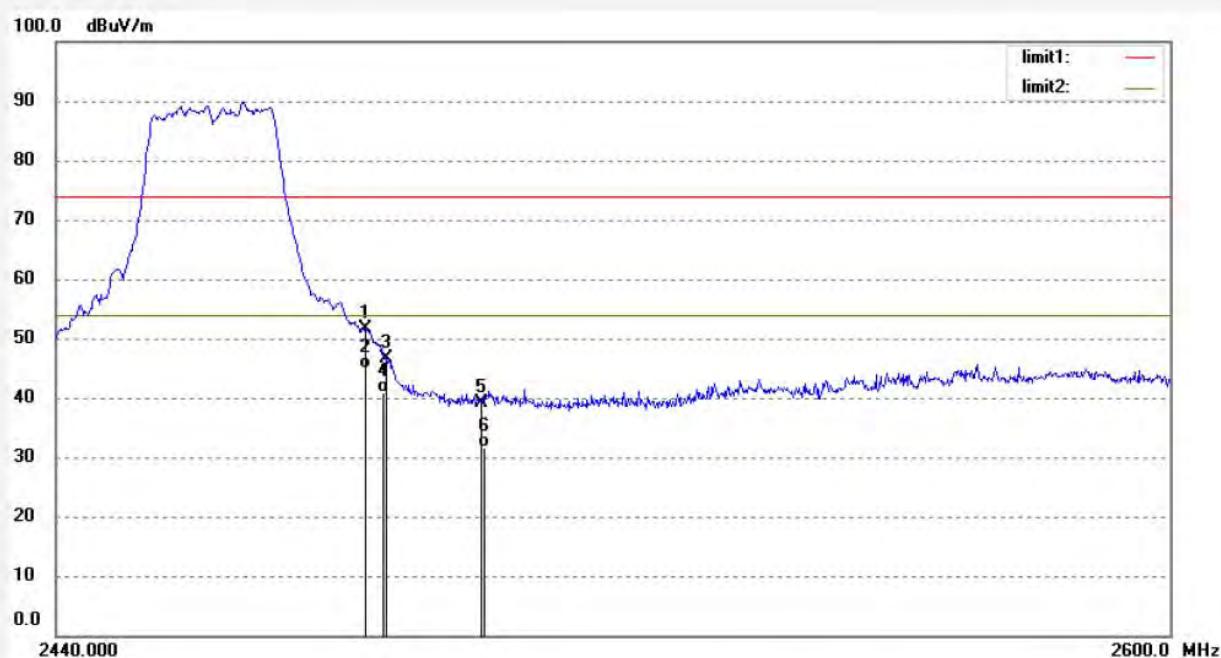
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.500	60.36	-6.54	53.82	74.00	-20.18	peak			
2	2483.500	53.57	-6.54	47.03	54.00	-6.97	AVG			
3	2486.080	55.24	-6.54	48.70	74.00	-25.30	peak			
4	2486.080	48.34	-6.54	41.80	54.00	-12.20	AVG			
5	2500.000	46.79	-6.50	40.29	74.00	-33.71	peak			
6	2500.000	38.99	-6.50	32.49	54.00	-21.51	AVG			


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 Site: 1# Chamber
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 Fax:+86-0755-26503396

Job No.: star #3301	Polarization: Vertical
Standard: FCC PK	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/10/09/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 14/10/08
EUT: Tablet	Engineer Signature:
Mode: TX Channel 11(802.11n)	Distance: 3m
Model: VX-E7001	
Manufacturer: Yingbihai	
Note: Report No.:ATE20132087	



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.500	58.25	-6.54	51.71	74.00	-22.29	peak			
2	2483.500	51.47	-6.54	44.93	54.00	-9.07	AVG			
3	2486.560	53.21	-6.53	46.68	74.00	-27.32	peak			
4	2486.560	47.50	-6.53	40.97	54.00	-13.03	AVG			
5	2500.000	45.51	-6.50	39.01	74.00	-34.99	peak			
6	2500.000	38.25	-6.50	31.75	54.00	-22.25	AVG			


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Site: 1# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: star #3292

Polarization: Horizontal

Standard: FCC PK

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/10/09/

Temp.(C)/Hum.(%) 25 C / 55 %

Time: 13/36/59

EUT: Tablet

Engineer Signature:

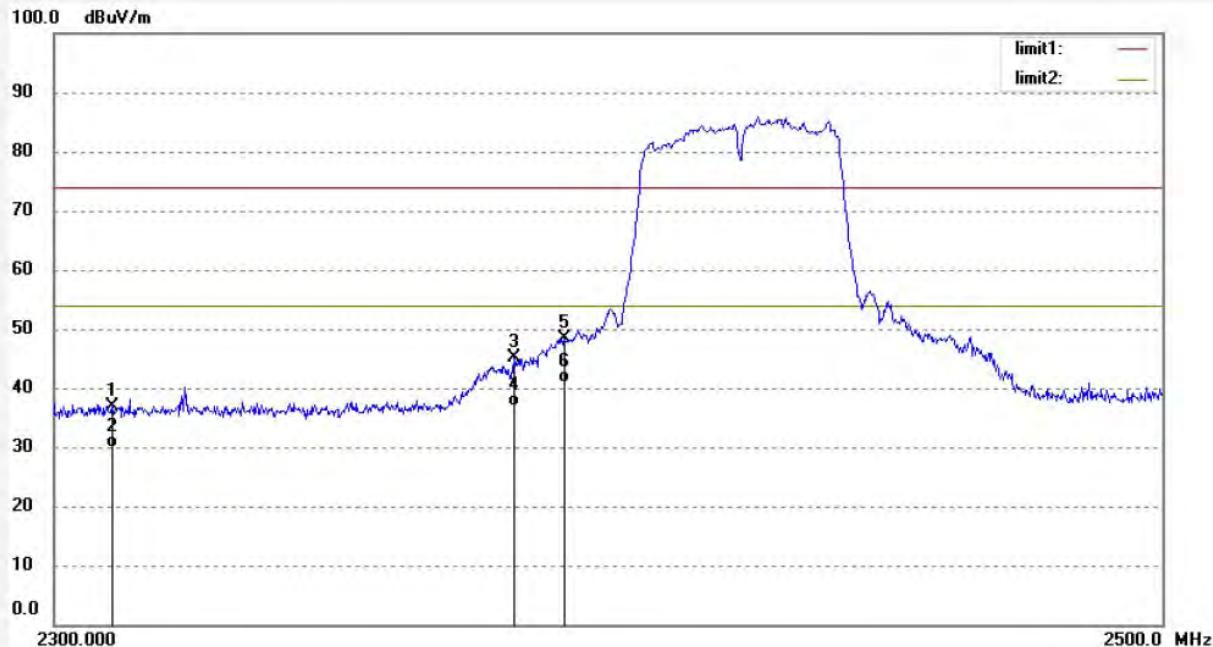
Mode: TX Channel 3(802.11n)

Distance: 3m

Model: VX-E7001

Manufacturer: Yingbinhai

Note: Report No.:ATE20132087



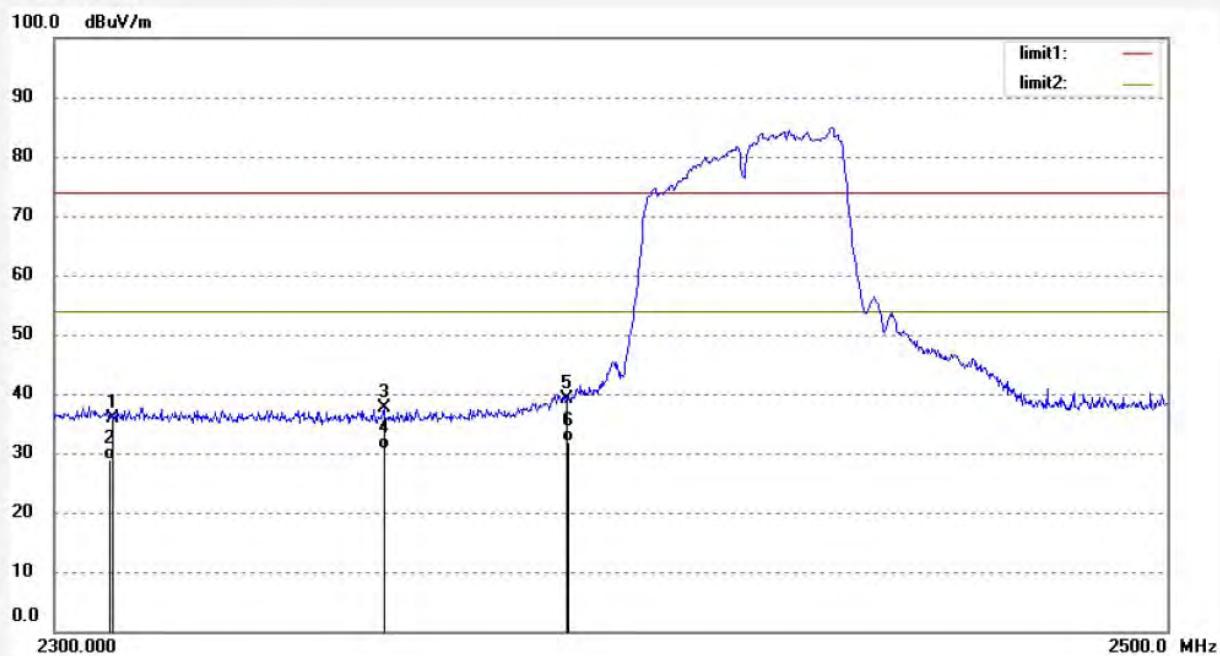
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2310.000	43.99	-6.99	37.00	74.00	-37.00	peak			
2	2310.000	36.90	-6.99	29.91	54.00	-24.09	AVG			
3	2381.000	51.82	-6.81	45.01	74.00	-28.99	peak			
4	2381.000	43.59	-6.81	36.78	54.00	-17.22	AVG			
5	2390.000	55.21	-6.78	48.43	74.00	-25.57	peak			
6	2390.000	47.55	-6.78	40.77	54.00	-13.23	AVG			


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 Site: 1# Chamber
 Tel:+86-0755-26503290
 Fax:+86-0755-26503396

Job No.: star #3293	Polarization: Vertical
Standard: FCC PK	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/10/09/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 13/39/07
EUT: Tablet	Engineer Signature:
Mode: TX Channel 3(802.11n)	Distance: 3m
Model: VX-E7001	
Manufacturer: Yingbinhai	
Note: Report No.:ATE20132087	



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2310.000	42.88	-6.99	35.89	74.00	-38.11	peak			
2	2310.000	35.88	-6.99	28.89	54.00	-25.11	AVG			
3	2357.600	44.39	-6.87	37.52	74.00	-36.48	peak			
4	2357.600	37.50	-6.87	30.63	54.00	-23.37	AVG			
5	2390.000	45.89	-6.78	39.11	74.00	-34.89	peak			
6	2390.000	38.71	-6.78	31.93	54.00	-22.07	AVG			


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Site: 1# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: star #3294

Polarization: Vertical

Standard: FCC PK

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/10/09/

Temp.(C)/Hum.(%) 25 C / 55 %

Time: 13/45/49

EUT: Tablet

Engineer Signature:

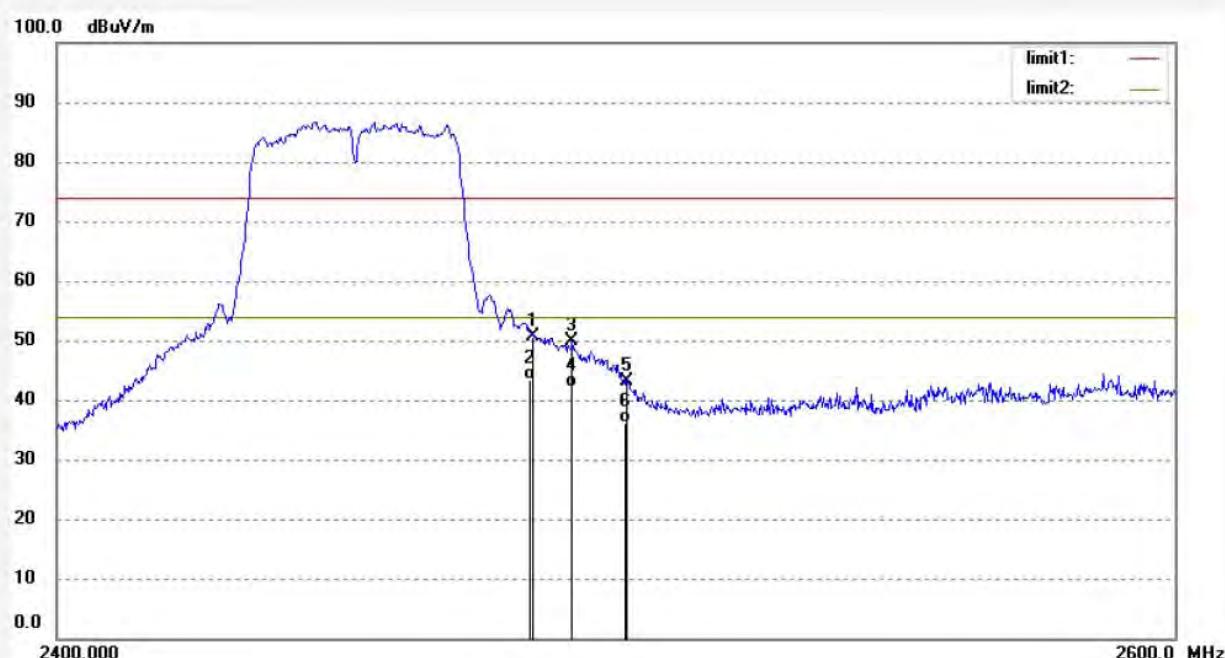
Mode: TX Channel 9(802.11n)

Distance: 3m

Model: VX-E7001

Manufacturer: Yingbinhai

Note: Report No.:ATE20132087



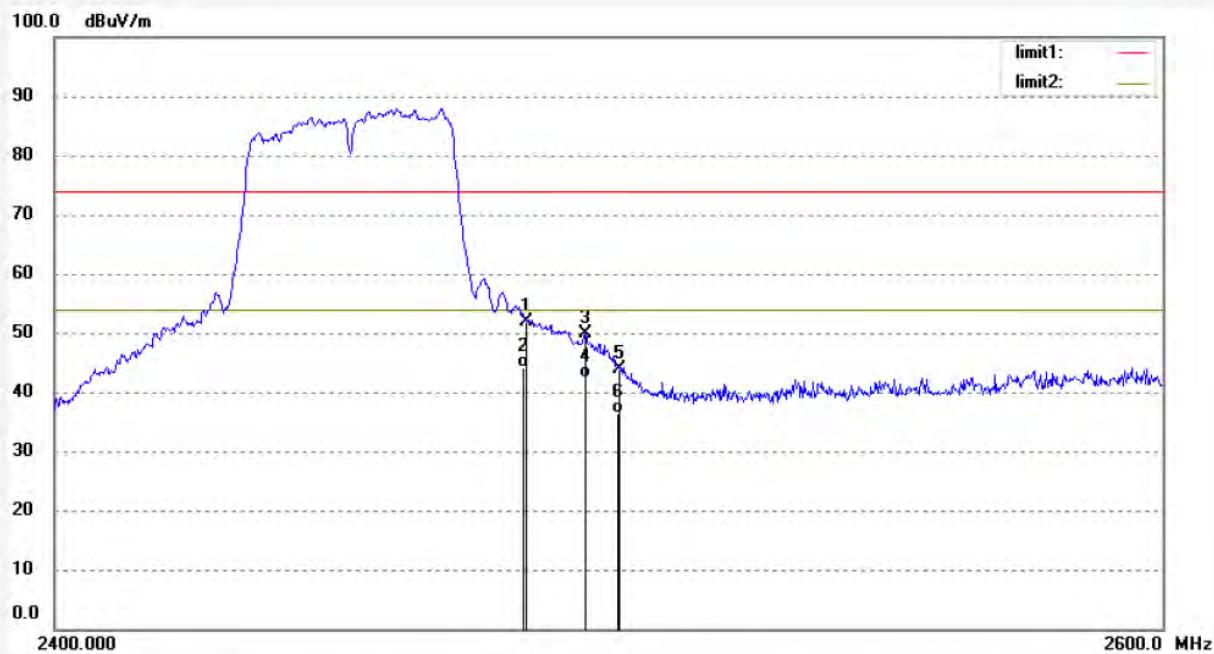
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.500	57.18	-6.54	50.64	74.00	-23.36	peak			
2	2483.500	49.88	-6.54	43.34	54.00	-10.66	AVG			
3	2490.400	56.31	-6.51	49.80	74.00	-24.20	peak			
4	2490.400	48.75	-6.51	42.24	54.00	-11.76	AVG			
5	2500.000	49.59	-6.50	43.09	74.00	-30.91	peak			
6	2500.000	42.57	-6.50	36.07	54.00	-17.93	AVG			


ACCURATE TECHNOLOGY CO., LTD.

 F1,Bldg.A,Changyuan New Material Port Keyuan Rd,
 Science & Industry Park,Nanshan Shenzhen,P.R.China

 Site: 1# Chamber
 Tel:+86-0755-26503290
 Fax:+86-0755-26503396

Job No.: star #3295	Polarization: Horizontal
Standard: FCC PK	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/10/09
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 13/48/25
EUT: Tablet	Engineer Signature:
Mode: TX Channel 9(802.11n)	Distance: 3m
Model: VX-E7001	
Manufacturer: Yingbinhai	
Note: Report No.:ATE20132087	

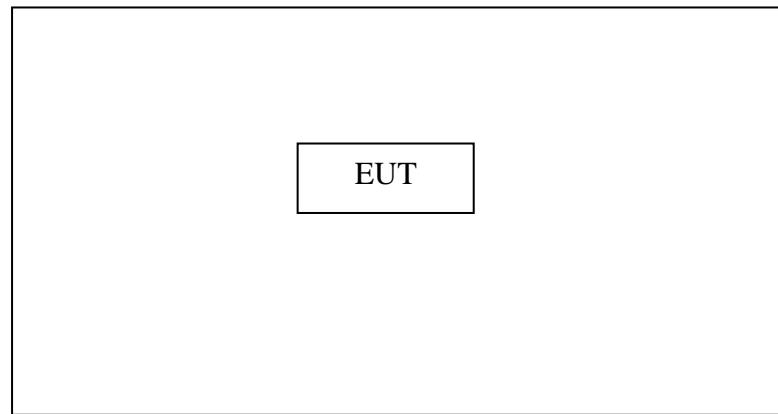


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.500	58.31	-6.54	51.77	74.00	-22.23	peak			
2	2483.500	50.60	-6.54	44.06	54.00	-9.94	AVG			
3	2494.000	56.29	-6.51	49.78	74.00	-24.22	peak			
4	2494.000	48.99	-6.51	42.48	54.00	-11.52	AVG			
5	2500.000	50.50	-6.50	44.00	74.00	-30.00	peak			
6	2500.000	42.99	-6.50	36.49	54.00	-17.51	AVG			

9. RADIATED SPURIOUS EMISSION TEST

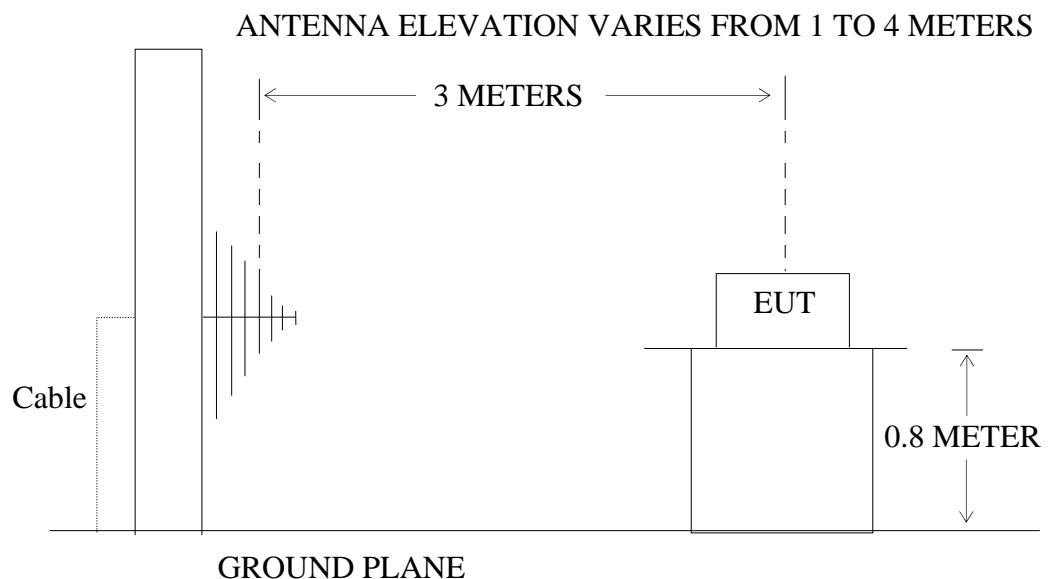
9.1. Block Diagram of Test Setup

9.1.1. Block diagram of connection between the EUT and peripherals



Setup: Transmitting mode

9.1.2. Semi-Anechoic Chamber Test Setup Diagram



9.2. The Limit For Section 15.247(d)

Section 15.247(d): In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB 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, provided the transmitter demonstrates compliance with the peak conducted power limits. If the

transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a).

9.3.Restricted bands of operation

9.3.1.FCC Part 15.205 Restricted bands of operation

- (a) Except as shown in paragraph (d) of this section, Only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
¹ 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	(²)
13.36-13.41			

¹Until February 1, 1999, this restricted band shall be 0.490-0.510

²Above 38.6

- (b) Except as provided in paragraphs (d) and (e), the field strength of emission appearing within these frequency bands shall not exceed the limits shown in Section 15.209. At frequencies equal to or less than 1000MHz, Compliance with the limits in Section 15.209 shall be demonstrated using measurement instrumentation employing a CISPR quasi-peak detector. Above 1000MHz, compliance with the emission limits in Section 15.209 shall be demonstrated based on the average value of the measured emissions. The provisions in Section 15.35 apply to these measurements.

9.4.Configuration of EUT on Measurement

The equipment are installed on Radiated Emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

9.5.Operating Condition of EUT

9.5.1. Setup the EUT and simulator as shown as Section 9.1.

9.5.2. Turn on the power of all equipment.

9.5.3. Let the EUT work in TX modes measure it. The transmit frequency are 2412-2462 and 2422-2452MHz. We select 2412MHz, 2437MHz, 2462MHz and 2422MHz, 2437MHz, 2452MHz TX frequency to transmit.

9.6. Test Procedure

The EUT and its simulators are placed on a turntable, which is 0.8 meter high above ground. The turntable can rotate 360 degrees to determine the position of the maximum emission level. EUT is set 3.0 meters away from the receiving antenna, which is mounted on an antenna tower. The antenna can be moved up and down between 1.0 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated bilog antenna) is used as receiving antenna. Both horizontal and vertical polarizations of the antenna are set on measurement. In order to find the maximum emission levels, all of the interface cables must be manipulated according to ANSI C63.4: 2009 on radiated emission measurement. The EUT was tested in 3 orthogonal planes.

The worst-case data rate for this channel to be 1Mbps for 802.11b mode and 6Mbps for 802.11g mode and 150Mbps for 802.11n mode, based on previous with 802.11 WLAN product design architectures.

The bandwidth of test receiver is set at 9kHz in below 30MHz. and set at 120kHz in 30-1000MHz, and 1MHz in above 1000MHz.

The frequency range from 9kHz to 25GHz is checked.

The final measurement in band 9-90kHz, 110-490kHz and above 1000MHz is performed with Average detector. Except those frequency bands mention above, the final measurement for frequencies below 1000MHz is performed with Quasi Peak detector.

The field strength is calculated by adding the antenna factor, and cable loss, and subtracting the amplifier gain from the measured reading. The basic equation calculation is as follows:

Result = Reading + Corrected Factor

Where Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

9.7. The Field Strength of Radiation Emission Measurement Results

Note: 1. Emissions attenuated more than 20 dB below the permissible value are not reported.

2. *: Denotes restricted band of operation.

3. The fundamental radiated emissions were reduced by Band Reject Filter in the attached plots.

4. The EUT is tested radiation emission at each test mode(802.11 b/g/n) in three axes. The worst emissions are reported in all test mode and channels.

5. The 18-25GHz emissions are not reported, because the levels are too low against the limit.

Date of Test: October 9, 2013
 EUT: Tablet
 Model No.: VX-E7001
 Test Mode: 802.11b Channel Low 2412MHz

Temperature: 25°C
 Humidity: 50%
 Power Supply: AC 120V/60Hz
 Test Engineer: Pei

For 30MHz-1000MHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading (dB μ V/m)	Factor Corr. (dB)	Result	Limit	Margin	Polarization
			(dB μ V/m)	(dB μ V/m)	(dB)	
	QP	(dB)	QP	QP	QP	
74.1350	57.40	-21.57	35.83	40.00	-4.17	Vertical
164.9074	62.87	-22.34	40.53	43.50	-2.97	
197.8926	61.78	-20.35	41.43	43.50	-2.07	
66.0341	57.45	-21.22	36.23	40.00	-3.77	Horizontal
164.9074	63.37	-22.34	41.03	43.50	-2.47	
197.8926	60.80	-20.35	40.45	43.50	-3.05	

For 1GHz-25GHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading(dB μ V/m)		Factor Corr. (dB)	Result(dB μ V/m)		Limit(dB μ V/m)		Margin(dB μ V/m)		Polarizati on
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
-	-	-	-	-	-	-	-	-	-	Vertical
-	-	-	-	-	-	-	-	-	-	Horizontal

Note: 1. Emissions attenuated more than 20 dB below the permissible value are not reported.

2. *: Denotes restricted band of operation.

3. The fundamental radiated emissions were reduced by Band Reject Filter in the attached plots.

Date of Test: October 9, 2013
 EUT: Tablet
 Model No.: VX-E7001
 Test Mode: 802.11b Channel Middle 2437MHz

Temperature: 25°C
 Humidity: 50%
 Power Supply: AC 120V/60Hz
 Test Engineer: Pei

For 30MHz-1000MHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading (dB μ V/m)	Factor Corr. (dB)	Result	Limit	Margin	Polarization
			(dB μ V/m)	QP	QP	
74.1350	57.80	-21.57	36.23	40.00	-3.77	Vertical
164.9074	62.56	-22.34	40.22	43.50	-3.28	
197.8926	61.10	-20.35	40.75	43.50	-2.75	
66.0342	58.94	-21.22	37.72	40.00	-2.28	Horizontal
164.9075	63.41	-22.34	41.07	43.50	-2.43	
197.8928	61.80	-20.35	41.45	43.50	-2.05	

For 1GHz-25GHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading(dB μ V/m)		Factor Corr. (dB)	Result(dB μ V/m)		Limit(dB μ V/m)		Margin(dB μ V/m)		Polarizati on
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
-	-	-	-	-	-	-	-	-	-	Vertical
-	-	-	-	-	-	-	-	-	-	Horizontal

Note: 1. Emissions attenuated more than 20 dB below the permissible value are not reported.**2. *: Denotes restricted band of operation.****3. The fundamental radiated emissions were reduced by Band Reject Filter in the attached plots.**

Date of Test: October 9, 2013
 EUT: Tablet
 Model No.: VX-E7001
 Test Mode: 802.11b Channel High 2462MHz

Temperature: 25°C
 Humidity: 50%
 Power Supply: AC 120V/60Hz
 Test Engineer: Pei

For 30MHz-1000MHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading (dB μ V/m)	Factor Corr. (dB)	Result	Limit	Margin	Polarization
			(dB μ V/m)	QP	QP	
74.1350	57.01	-21.57	35.44	40.00	-4.56	Vertical
164.9074	63.33	-22.34	40.99	43.50	-2.51	
197.8926	61.42	-20.35	41.07	43.50	-2.43	
74.1350	56.89	-21.57	35.32	40.00	-4.68	Horizontal
164.974	63.81	-22.34	41.47	43.50	-2.03	
197.8926	61.75	-20.35	41.40	43.50	-2.10	

For 1GHz-25GHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading(dB μ V/m)		Factor Corr. (dB)	Result(dB μ V/m)		Limit(dB μ V/m)		Margin(dB μ V/m)		Polarizati on
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
-	-	-	-	-	-	-	-	-	-	Vertical
-	-	-	-	-	-	-	-	-	-	Horizontal

Note: 1. Emissions attenuated more than 20 dB below the permissible value are not reported.**2. *: Denotes restricted band of operation.****3. The fundamental radiated emissions were reduced by Band Reject Filter in the attached plots.**

Date of Test: October 9, 2013
 EUT: Tablet
 Model No.: VX-E7001
 Test Mode: 802.11g Channel Low 2412MHz

Temperature: 25°C
 Humidity: 50%
 Power Supply: AC 120V/60Hz
 Test Engineer: Pei

For 30MHz-1000MHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading (dB μ V/m)	Factor Corr. (dB)	Result	Limit	Margin	Polarization
			(dB μ V/m)	QP	QP	
74.1351	57.00	-21.57	35.43	40.00	-4.57	Vertical
164.9075	63.55	-22.34	41.21	43.50	-2.29	
197.8928	61.12	-20.35	40.77	43.50	-2.73	
131.7576	63.44	-23.12	40.32	43.50	-3.18	Horizontal
164.9074	63.83	-22.34	41.49	43.50	-2.01	
180.0165	61.89	-21.85	40.04	43.50	-3.46	

For 1GHz-25GHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading(dB μ V/m)		Factor Corr. (dB)	Result(dB μ V/m)		Limit(dB μ V/m)		Margin(dB μ V/m)		Polarizati on
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
-	-	-	-	-	-	-	-	-	-	Vertical
-	-	-	-	-	-	-	-	-	-	Horizontal

Note: 1. Emissions attenuated more than 20 dB below the permissible value are not reported.

2. *: Denotes restricted band of operation.

3. The fundamental radiated emissions were reduced by Band Reject Filter in the attached plots.

Date of Test: October 9, 2013
 EUT: Tablet
 Model No.: VX-E7001
 Test Mode: 802.11g Channel Middle 2437MHz

Temperature: 25°C
 Humidity: 50%
 Power Supply: AC 120V/60Hz
 Test Engineer: Pei

For 30MHz-1000MHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading (dB μ V/m)	Factor Corr. (dB)	Result	Limit	Margin	Polarization
			(dB μ V/m)	QP	QP	
74.6568	57.18	-21.61	35.57	40.00	-4.43	Vertical
164.9074	63.72	-22.34	41.38	43.50	-2.12	
197.8926	61.85	-20.35	41.50	43.50	-2.00	
131.7577	64.55	-23.12	41.43	43.50	-2.07	Horizontal
164.9075	63.22	-22.34	40.88	43.50	-2.62	
197.8928	61.80	-20.35	41.45	43.50	-2.05	

For 1GHz-25GHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading(dB μ V/m)		Factor Corr. (dB)	Result(dB μ V/m)		Limit(dB μ V/m)		Margin(dB μ V/m)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
-	-	-	-	-	-	-	-	-	-	Vertical
-	-	-	-	-	-	-	-	-	-	Horizontal

Note: 1. Emissions attenuated more than 20 dB below the permissible value are not reported.

2. *: Denotes restricted band of operation.

3. The fundamental radiated emissions were reduced by Band Reject Filter in the attached plots.

Date of Test: October 9, 2013
 EUT: Tablet
 Model No.: VX-E7001
 Test Mode: 802.11g Channel High 2462MHz

Temperature: 25°C
 Humidity: 50%
 Power Supply: AC 120V/60Hz
 Test Engineer: Pei

For 30MHz-1000MHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading (dB μ V/m)	Factor Corr. (dB)	Result	Limit	Margin	Polarization
			(dB μ V/m)	QP	QP	
74.1350	58.00	-21.57	36.43	40.00	-3.57	Vertical
164.9074	63.38	-22.34	41.04	43.50	-2.46	
197.8926	60.98	-20.35	40.63	43.50	-2.87	
66.0341	58.27	-21.22	37.05	40.00	-2.95	Horizontal
164.9074	63.77	-22.34	41.43	43.50	-2.07	
197.8926	61.63	-20.35	41.28	43.50	-2.22	

For 1GHz-25GHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading(dB μ V/m)		Factor Corr. (dB)	Result(dB μ V/m)		Limit(dB μ V/m)		Margin(dB μ V/m)		Polarizati on
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
-	-	-	-	-	-	-	-	-	-	Vertical
-	-	-	-	-	-	-	-	-	-	Horizontal

Note: 1. Emissions attenuated more than 20 dB below the permissible value are not reported.**2. *: Denotes restricted band of operation.****3. The fundamental radiated emissions were reduced by Band Reject Filter in the attached plots.**

Date of Test: October 9, 2013
 EUT: Tablet
 Model No.: VX-E7001
 802.11n Channel Low 2412MHz
 Test Mode: (20MHz)

Temperature: 25°C
 Humidity: 50%
 Power Supply: AC 120V/60Hz
 Test Engineer: Pei

For 30MHz-1000MHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading (dB μ V/m)	Factor Corr. (dB)	Result	Limit	Margin	Polarization
			QP	QP	QP	
74.1350	57.66	-21.57	36.09	40.00	-3.91	Vertical
164.9074	63.24	-22.34	40.90	43.50	-2.60	
197.8926	61.84	-20.35	41.49	43.50	-2.01	
164.9074	63.79	-22.34	41.45	43.50	-2.05	Horizontal
180.0165	60.10	-21.85	38.25	43.50	-5.25	
197.8926	60.99	-20.35	40.64	43.50	-2.86	

For 1GHz-25GHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading(dB μ V/m)		Factor Corr. (dB)	Result(dB μ V/m)		Limit(dB μ V/m)		Margin(dB μ V/m)		Polarizati on
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
-	-	-	-	-	-	-	-	-	-	Vertical
-	-	-	-	-	-	-	-	-	-	Horizontal

Note: 1. Emissions attenuated more than 20 dB below the permissible value are not reported.

2. *: Denotes restricted band of operation.

3. The fundamental radiated emissions were reduced by Band Reject Filter in the attached plots.

Date of Test: October 9, 2013
 EUT: Tablet
 Model No.: VX-E7001
 802.11n Channel Middle 2437MHz
 Test Mode: (20MHz)

Temperature: 25°C
 Humidity: 50%
 Power Supply: AC 120V/60Hz
 Test Engineer: Pei

For 30MHz-1000MHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading (dB μ V/m)	Factor Corr.	Result (dB μ V/m)		Limit (dB μ V/m)	Margin (dB)	Polarization
			QP	(dB)	QP	QP	
74.1350	58.00	-21.57	36.43		40.00	-3.57	Vertical
164.9074	63.16	-22.34	40.82		43.50	-2.68	
197.8926	61.82	-20.35	41.47		43.50	-2.03	
74.6568	56.97	-21.61	35.36		40.00	-4.64	Horizontal
164.9074	63.70	-22.34	41.36		43.50	-2.14	
197.8926	61.58	-20.35	41.23		43.50	-2.27	

For 1GHz-25GHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading(dB μ V/m)		Factor Corr. (dB)	Result(dB μ V/m)		Limit(dB μ V/m)		Margin(dB μ V/m)		Polarizati on
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
-	-	-	-	-	-	-	-	-	-	Vertical
-	-	-	-	-	-	-	-	-	-	Horizontal

Note: 1. Emissions attenuated more than 20 dB below the permissible value are not reported.

2. *: Denotes restricted band of operation.

3. The fundamental radiated emissions were reduced by Band Reject Filter in the attached plots.

Date of Test: October 9, 2013
 EUT: Tablet
 Model No.: VX-E7001
 802.11n Channel High 2462MHz
 Test Mode: (20MHz)

Temperature: 25°C
 Humidity: 50%
 Power Supply: AC 120V/60Hz
 Test Engineer: Pei

For 30MHz-1000MHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading (dB μ V/m)	Factor Corr.	Result	Limit	Margin (dB)	Polarization
			(dB μ V/m)	(dB μ V/m)		
	QP	(dB)	QP	QP	QP	
74.1350	57.15	-21.57	35.58	40.00	-4.42	Vertical
164.9074	62.83	-22.34	40.49	43.50	-3.01	
197.8926	61.44	-20.35	41.09	43.50	-2.41	
66.0341	58.15	-21.22	36.93	40.00	-3.07	Horizontal
164.9074	63.37	-22.34	41.03	43.50	-2.47	
197.8926	61.76	-20.35	41.41	43.50	-2.09	

For 1GHz-25GHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading(dB μ V/m)		Factor Corr. (dB)	Result(dB μ V/m)		Limit(dB μ V/m)		Margin(dB μ V/m)		Polarizati on
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
-	-	-	-	-	-	-	-	-	-	Vertical
-	-	-	-	-	-	-	-	-	-	Horizontal

Note: 1. Emissions attenuated more than 20 dB below the permissible value are not reported.

2. *: Denotes restricted band of operation.

3. The fundamental radiated emissions were reduced by Band Reject Filter in the attached plots.

Date of Test: October 9, 2013
 EUT: Tablet
 Model No.: VX-E7001
 802.11n Channel Low 2422MHz
 Test Mode: (40MHz)

Temperature: 25°C
 Humidity: 50%
 Power Supply: AC 120V/60Hz
 Test Engineer: Pei

For 30MHz-1000MHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading (dB μ V/m)	Factor Corr.	Result	Limit	Margin (dB)	Polarization
			QP	QP		
66.0342	57.83	-21.22	36.61	40.00	-3.39	Vertical
74.1351	58.10	-21.57	36.53	40.00	-3.47	
197.8928	61.67	-20.35	41.32	43.50	-2.18	
131.7576	63.24	-23.12	40.12	43.50	-3.38	Horizontal
164.9074	63.48	-22.34	41.14	43.50	-2.36	
197.8926	61.52	-20.35	41.17	43.50	-2.33	

For 1GHz-25GHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading(dB μ V/m)		Factor Corr. (dB)	Result(dB μ V/m)		Limit(dB μ V/m)		Margin(dB μ V/m)		Polarizati on
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
-	-	-	-	-	-	-	-	-	-	Vertical
-	-	-	-	-	-	-	-	-	-	Horizontal

Note: 1. Emissions attenuated more than 20 dB below the permissible value are not reported.

2. *: Denotes restricted band of operation.

3. The fundamental radiated emissions were reduced by Band Reject Filter in the attached plots.

Date of Test: October 9, 2013
 EUT: Tablet
 Model No.: VX-E7001
 802.11n Channel Middle 2437MHz
 Test Mode: (40MHz)

Temperature: 25°C
 Humidity: 50%
 Power Supply: AC 120V/60Hz
 Test Engineer: Pei

For 30MHz-1000MHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading (dB μ V/m)	Factor Corr.	Result	Limit	Margin	Polarization
			(dB μ V/m)	(dB μ V/m)	(dB)	
	QP	(dB)	QP	QP	QP	
66.0341	58.44	-21.22	37.22	40.00	-2.78	Vertical
74.1350	58.30	-21.57	36.73	40.00	-3.27	
197.8926	61.79	-20.35	41.44	43.50	-2.06	
66.0341	58.17	-21.22	36.95	40.00	-3.05	Horizontal
164.9074	63.42	-22.34	41.08	43.50	-2.42	
197.8926	61.63	-20.35	41.28	43.50	-2.22	

For 1GHz-25GHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading(dB μ V/m)		Factor Corr. (dB)	Result(dB μ V/m)		Limit(dB μ V/m)		Margin(dB μ V/m)		Polarizati on
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
-	-	-	-	-	-	-	-	-	-	Vertical
-	-	-	-	-	-	-	-	-	-	Horizontal

Note: 1. Emissions attenuated more than 20 dB below the permissible value are not reported.

2. *: Denotes restricted band of operation.

3. The fundamental radiated emissions were reduced by Band Reject Filter in the attached plots.

Date of Test: October 9, 2013
 EUT: Tablet
 Model No.: VX-E7001
 802.11n Channel High 2452MHz
 Test Mode: (40MHz)

Temperature: 25°C
 Humidity: 50%
 Power Supply: AC 120V/60Hz
 Test Engineer: Pei

For 30MHz-1000MHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading (dB μ V/m)	Factor Corr.	Result	Limit	Margin (dB)	Polarization
			QP	QP		
66.0341	58.23	-21.22	37.01	40.00	-2.99	Vertical
74.1350	57.59	-21.57	36.02	40.00	-3.98	
197.8926	61.34	-20.35	40.99	43.50	-2.51	
131.7576	63.92	-23.12	40.80	43.50	-2.70	Horizontal
164.9074	63.19	-22.34	40.85	43.50	-2.65	
197.8926	61.56	-20.35	41.21	43.50	-2.29	

For 1GHz-25GHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading(dB μ V/m)		Factor Corr. (dB)	Result(dB μ V/m)		Limit(dB μ V/m)		Margin(dB μ V/m)		Polarizati on
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
-	-	-	-	-	-	-	-	-	-	Vertical
-	-	-	-	-	-	-	-	-	-	Horizontal

Note: 1. Emissions attenuated more than 20 dB below the permissible value are not reported.

2. *: Denotes restricted band of operation.

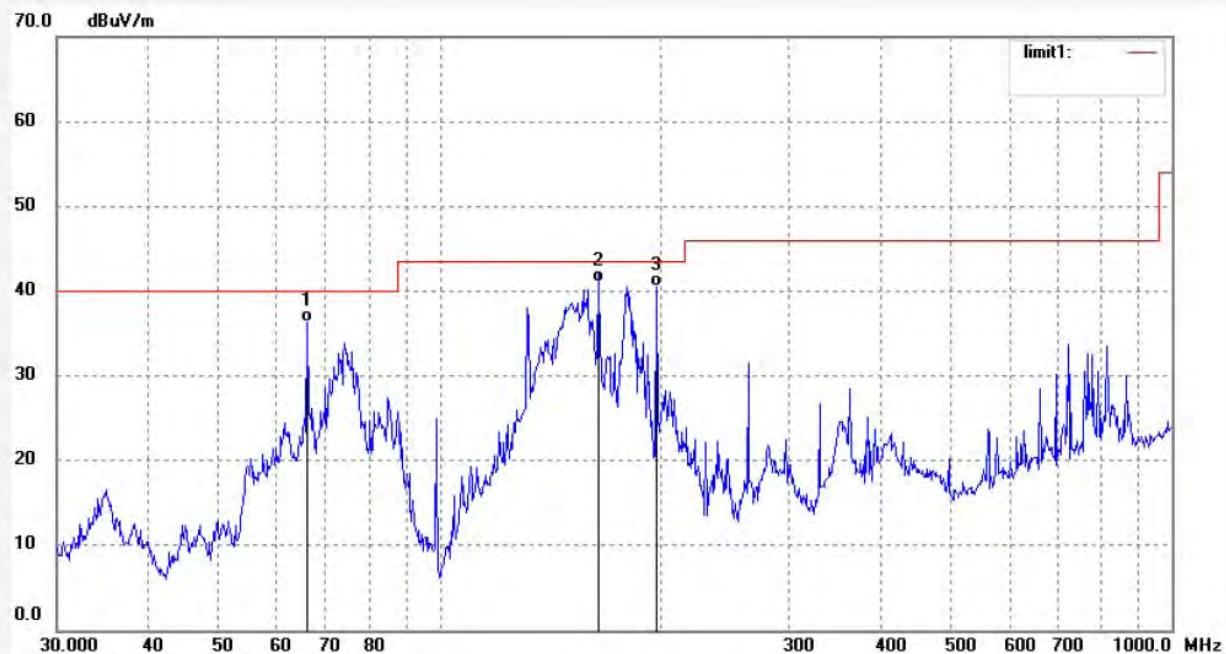
3. The fundamental radiated emissions were reduced by Band Reject Filter in the attached plots.


ACCURATE TECHNOLOGY CO., LTD.

 F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
 Science & Industry Park,Nanshan Shenzhen,P.R.China

 Site: 1# Chamber
 Tel:+86-0755-26503290
 Fax:+86-0755-26503396

Job No.: star #3236	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/10/09/
Temp. (C)/Hum.(%) 25 C / 55 %	Time: 9/02/29
EUT: Tablet	Engineer Signature:
Mode: TX Channel 1(802.11b)	Distance: 3m
Model: VX-E7001	
Manufacturer: Yingbinhai	
Note: Report No.:ATE20132087	



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	66.0341	57.45	-21.22	36.23	40.00	-3.77	QP			
2	164.9074	63.37	-22.34	41.03	43.50	-2.47	QP			
3	197.8926	60.80	-20.35	40.45	43.50	-3.05	QP			


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 Site: 1# Chamber
 Tel:+86-0755-26503290
 Fax:+86-0755-26503396

Job No.: star #3237

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/10/09/

Temp.(C)/Hum.(%) 25 C / 55 %

Time: 9/06/41

EUT: Tablet

Engineer Signature:

Mode: TX Channel 1(802.11b)

Distance: 3m

Model: VX-E7001

Manufacturer: Yingbinhai

Note: Report No.:ATE20132087



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	74.1350	57.40	-21.57	35.83	40.00	-4.17	QP			
2	164.9074	62.87	-22.34	40.53	43.50	-2.97	QP			
3	197.8926	61.78	-20.35	41.43	43.50	-2.07	QP			


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 Site: 1# Chamber
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 Fax:+86-0755-26503396

Job No.: star #3260

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/10/09/

Temp.(C)/Hum.(%) 25 C / 55 %

Time: 10/27/15

EUT: Tablet

Engineer Signature:

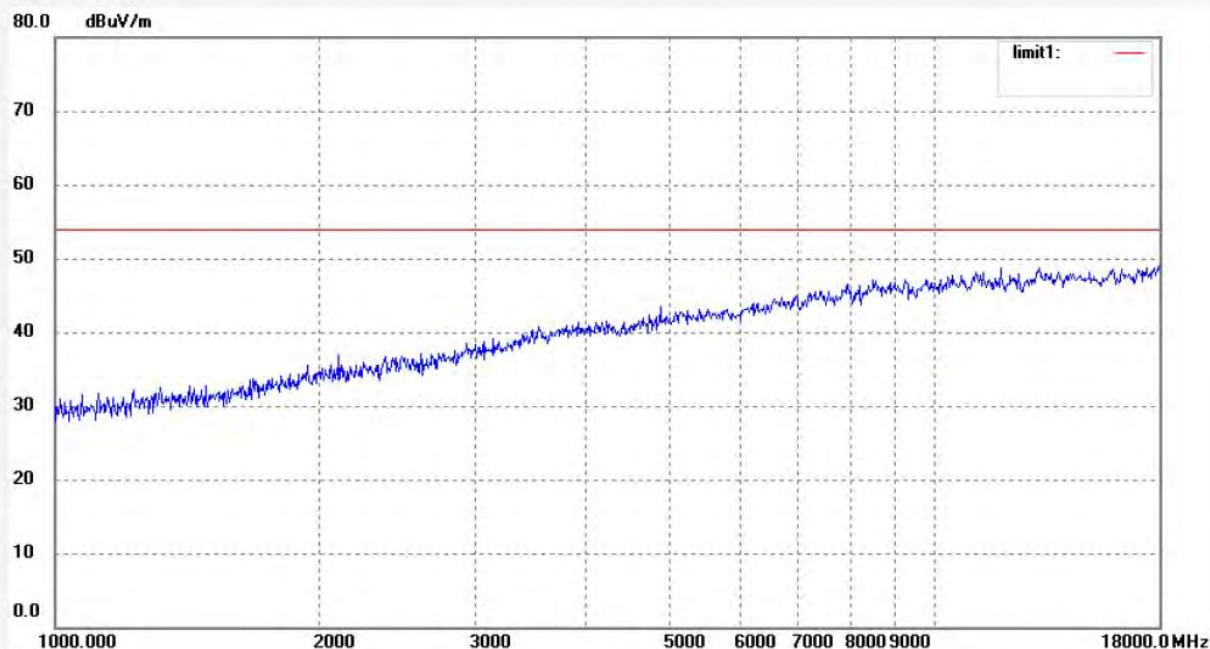
Mode: TX Channel 1(802.11b)

Distance: 3m

Model: VX-E7001

Manufacturer: Yingbinhai

Note: Report No.:ATE20132087



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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Site: 1# Chamber
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Fax:+86-0755-26503396

Job No.: star #3261

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/10/09/

Temp.(C)/Hum.(%) 25 C / 55 %

Time: 10/31/46

EUT: Tablet

Engineer Signature:

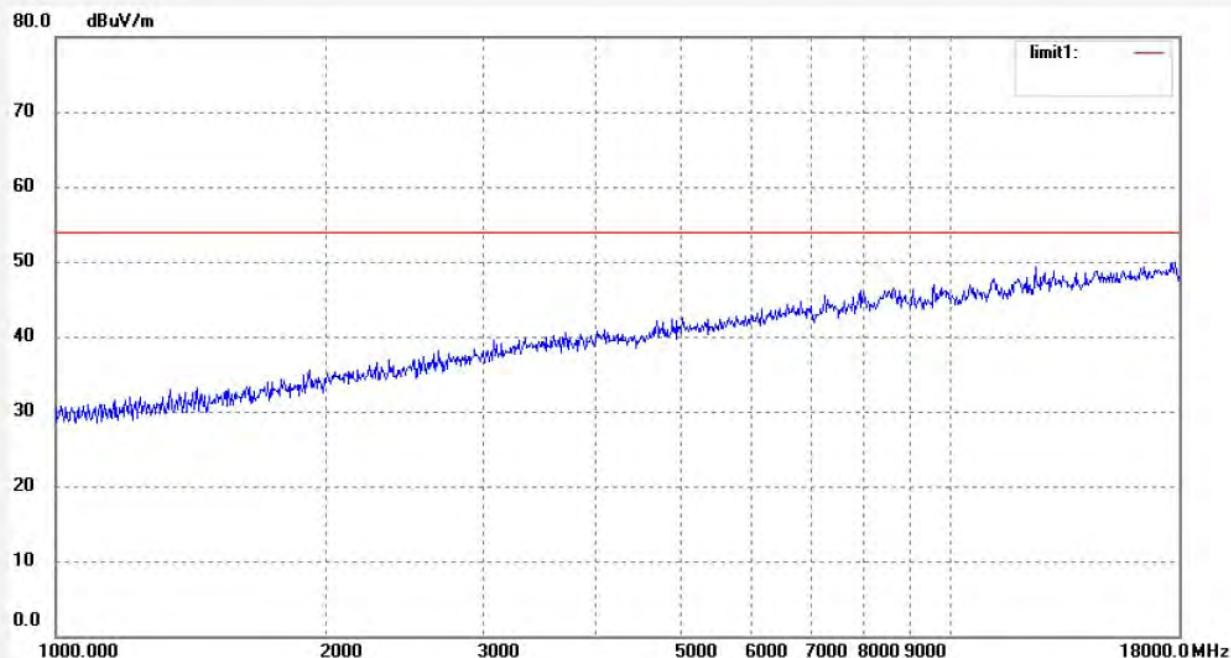
Mode: TX Channel 1(802.11b)

Distance: 3m

Model: VX-E7001

Manufacturer: Yingbinhai

Note: Report No.:ATE20132087



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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 Site: 1# Chamber
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 Fax:+86-0755-26503396

Job No.:	star #3238	Polarization:	Vertical
Standard:	FCC Class B 3M Radiated	Power Source:	AC 120V/60Hz
Test item:	Radiation Test	Date:	13/10/09/
Temp. (C)/Hum.(%)	25 C / 55 %	Time:	9/09/35
EUT:	Tablet	Engineer Signature:	
Mode:	TX Channel 6(802.11b)	Distance:	3m
Model:	VX-E7001		
Manufacturer:	Yingbinhai		
Note:	Report No.:ATE20132087		



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	74.1350	57.80	-21.57	36.23	40.00	-3.77	QP			
2	164.9074	62.56	-22.34	40.22	43.50	-3.28	QP			
3	197.8926	61.10	-20.35	40.75	43.50	-2.75	QP			


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Site: 1# Chamber
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Fax:+86-0755-26503396

Job No.: star #3239

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/10/09/

Temp.(C)/Hum.(%) 25 C / 55 %

Time: 9/12/16

EUT: Tablet

Engineer Signature:

Mode: TX Channel 6(802.11b)

Distance: 3m

Model: VX-E7001

Manufacturer: Yingbinhai

Note: Report No.:ATE20132087



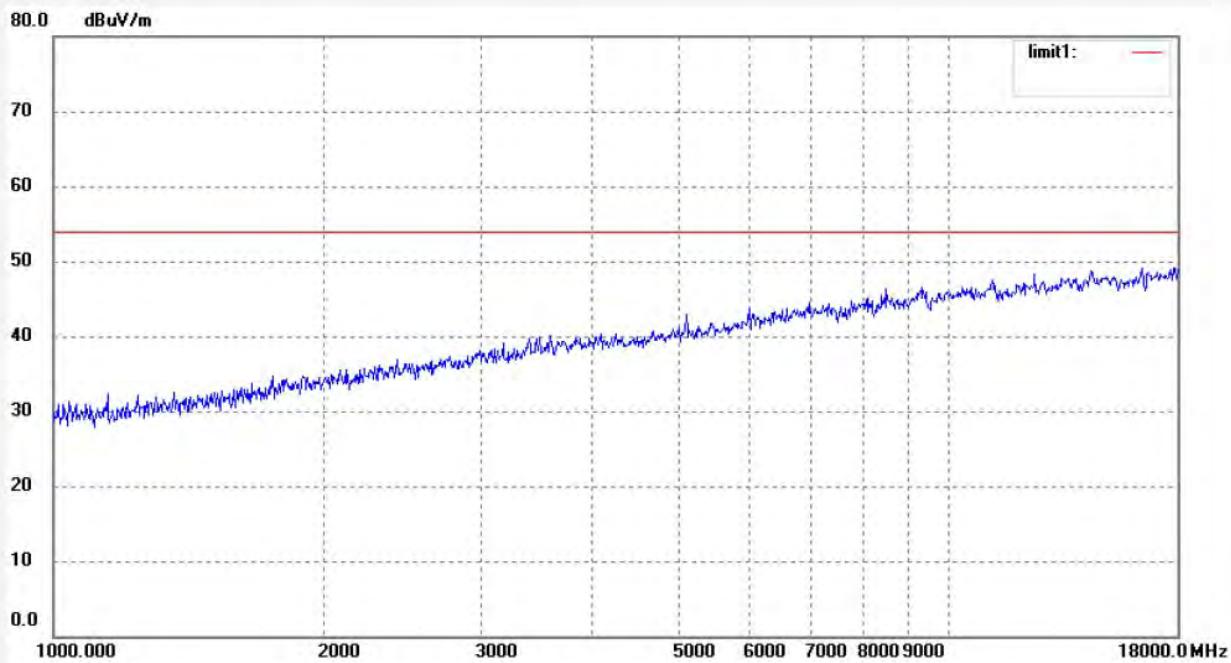
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	66.0342	58.94	-21.22	37.72	40.00	-2.28	QP			
2	164.9075	63.41	-22.34	41.07	43.50	-2.43	QP			
3	197.8928	61.80	-20.35	41.45	43.50	-2.05	QP			


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 Site: 1# Chamber
 Tel:+86-0755-26503290
 Fax:+86-0755-26503396

Job No.: star #3262	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/10/09/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 10/35/15
EUT: Tablet	Engineer Signature:
Mode: TX Channel 6(802.11b)	Distance: 3m
Model: VX-E7001	
Manufacturer: Yingbinhai	
Note: Report No.:ATE20132087	



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark


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Site: 1# Chamber

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Fax:+86-0755-26503396

Job No.: star #3263

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/10/09/

Temp.(C)/Hum.(%) 25 C / 55 %

Time: 10/38/50

EUT: Tablet

Engineer Signature:

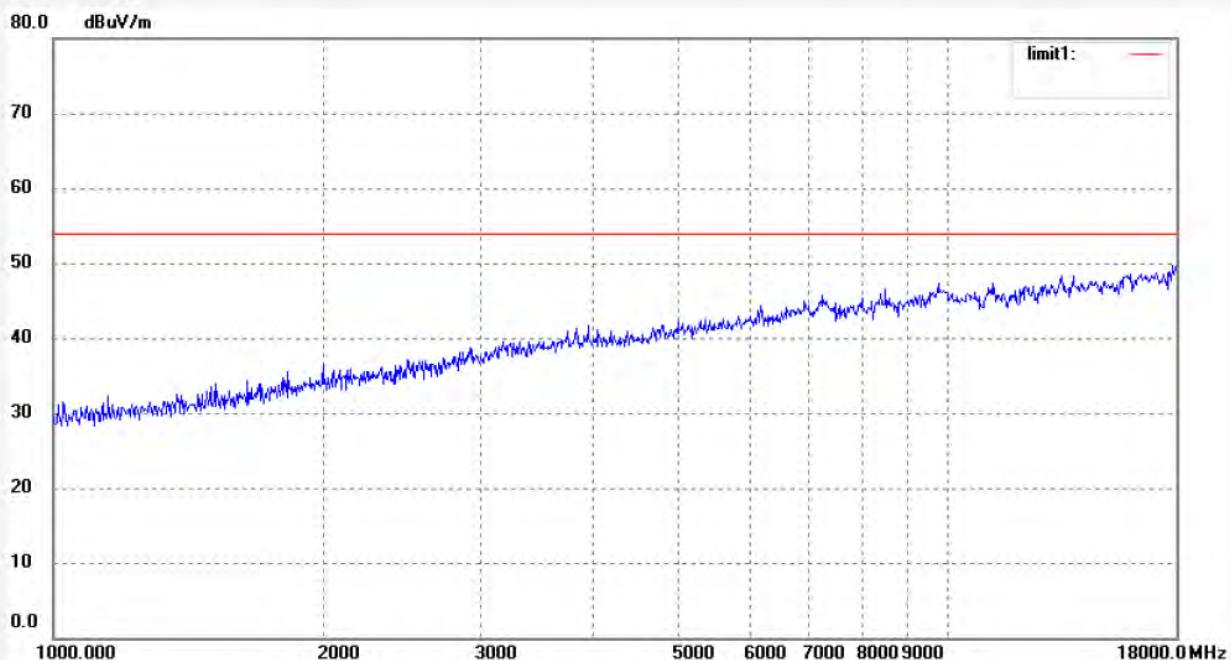
Mode: TX Channel 6(802.11b)

Distance: 3m

Model: VX-E7001

Manufacturer: Yingbinhai

Note: Report No.:ATE20132087



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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Site: 1# Chamber
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Fax:+86-0755-26503396

Job No.: star #3240	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/10/09/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 9/16/05
EUT: Tablet	Engineer Signature:
Mode: TX Channel 11(802.11b)	Distance: 3m
Model: VX-E7001	
Manufacturer: Yingbinhai	
Note: Report No.:ATE20132087	



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	74.1350	56.89	-21.57	35.32	40.00	-4.68	QP			
2	164.9074	63.81	-22.34	41.47	43.50	-2.03	QP			
3	197.8926	61.75	-20.35	41.40	43.50	-2.10	QP			


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 Site: 1# Chamber
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 Fax:+86-0755-26503396

Job No.: star #3241	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/10/09/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 9/20/21
EUT: Tablet	Engineer Signature:
Mode: TX Channel 11(802.11b)	Distance: 3m
Model: VX-E7001	
Manufacturer: Yingbinhai	
Note: Report No.:ATE20132087	



No.	Freq. (MHz)	Reading (dB _{UV} /m)	Factor (dB)	Result (dB _{UV} /m)	Limit (dB _{UV} /m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	74.1350	57.01	-21.57	35.44	40.00	-4.56	QP			
2	164.9074	63.33	-22.34	40.99	43.50	-2.51	QP			
3	197.8926	61.42	-20.35	41.07	43.50	-2.43	QP			


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 Site: 1# Chamber
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 Fax:+86-0755-26503396

Job No.: star #3264

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/10/09/

Temp.(C)/Hum.(%) 25 C / 55 %

Time: 10/42/26

EUT: Tablet

Engineer Signature:

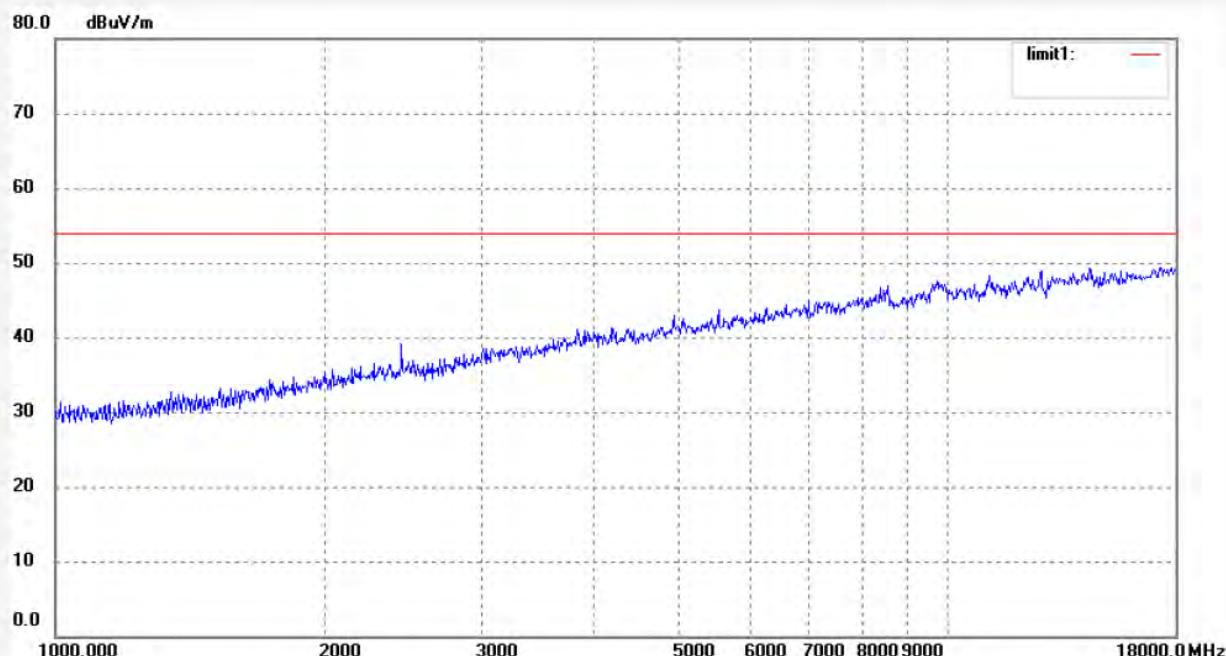
Mode: TX Channel 11(802.11b)

Distance: 3m

Model: VX-E7001

Manufacturer: Yingbinhai

Note: Report No.:ATE20132087



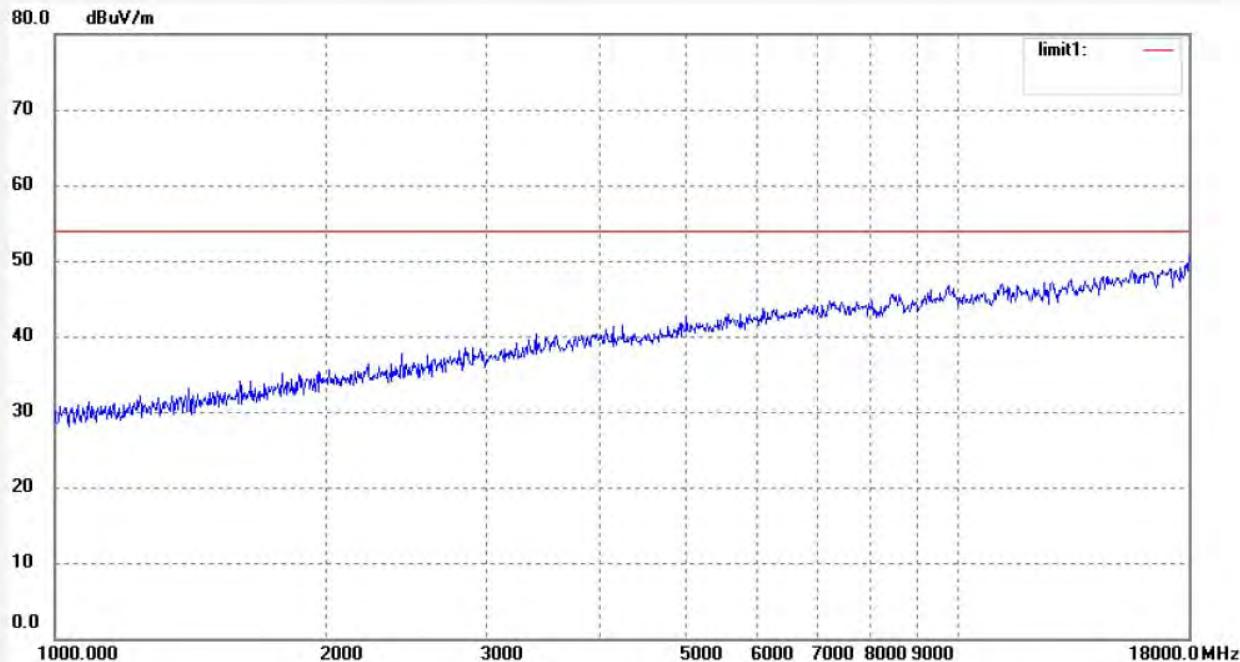
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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 Site: 1# Chamber
 Tel:+86-0755-26503290
 Fax:+86-0755-26503396

Job No.: star #3265	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/10/09/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 10/46/59
EUT: Tablet	Engineer Signature:
Mode: TX Channel 11(802.11b)	Distance: 3m
Model: VX-E7001	
Manufacturer: Yingbinhai	
Note: Report No.:ATE20132087	



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark


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Site: 1# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: star #3242	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/10/09/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 9/24/16
EUT: Tablet	Engineer Signature:
Mode: TX Channel 1(802.11g)	Distance: 3m
Model: VX-E7001	
Manufacturer: Yingbinhai	

Note: Report No.:ATE20132087



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	74.1351	57.00	-21.57	35.43	40.00	-4.57	QP			
2	164.9075	63.55	-22.34	41.21	43.50	-2.29	QP			
3	197.8928	61.12	-20.35	40.77	43.50	-2.73	QP			


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Site: 1# Chamber
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Fax:+86-0755-26503396

Job No.: star #3243

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/10/09/

Temp.(C)/Hum.(%) 25 C / 55 %

Time: 9/27/09

EUT: Tablet

Engineer Signature:

Mode: TX Channel 1(802.11g)

Distance: 3m

Model: VX-E7001

Manufacturer: Yingbinhai

Note: Report No.:ATE20132087



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	131.7576	63.44	-23.12	40.32	43.50	-3.18	QP			
2	164.9074	63.83	-22.34	41.49	43.50	-2.01	QP			
3	180.0165	61.89	-21.85	40.04	43.50	-3.46	QP			


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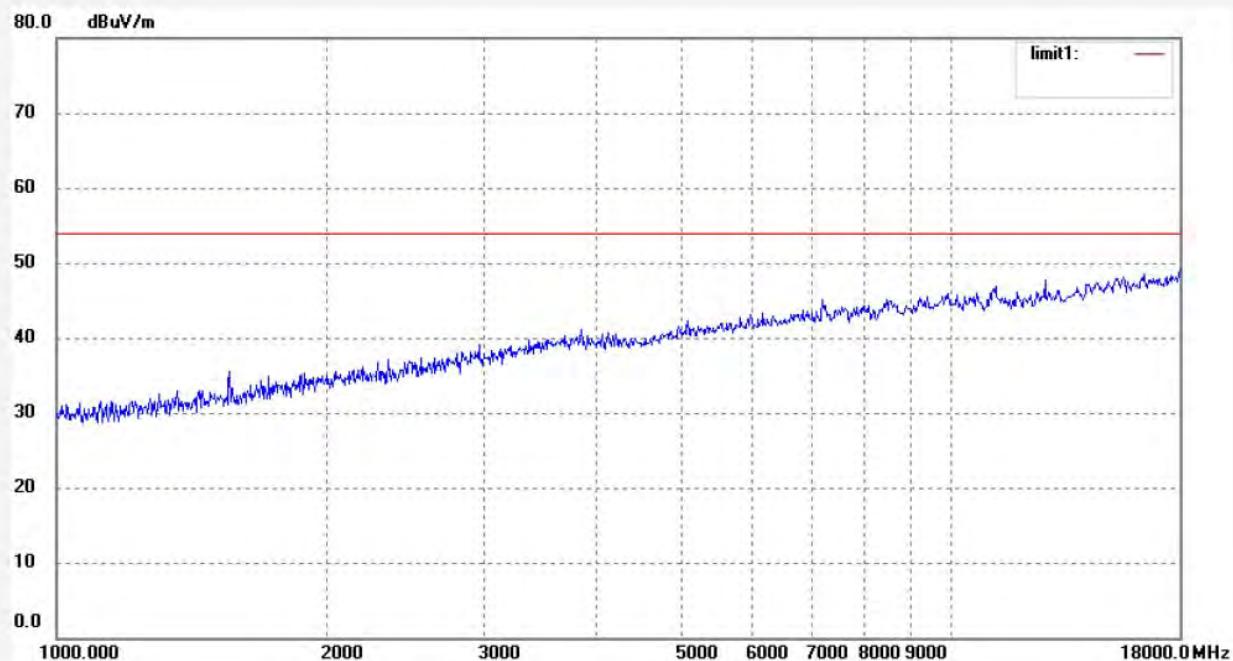
 F1,Bldg.A,Changyuan New Material Port Keyuan Rd,
 Science & Industry Park,Nanshan Shenzhen,P.R.China

 Site: 1# Chamber
 Tel:+86-0755-26503290
 Fax:+86-0755-26503396

Job No.: star #3266
 Standard: FCC Class B 3M Radiated
 Test item: Radiation Test
 Temp.(C)/Hum.(%) 25 C / 55 %
 EUT: Tablet
 Mode: TX Channel 1(802.11g)
 Model: VX-E7001
 Manufacturer: Yingbinhai

Polarization: Vertical
 Power Source: AC 120V/60Hz
 Date: 13/10/09/
 Time: 10/50/51
 Engineer Signature:
 Distance: 3m

Note: Report No.:ATE20132087



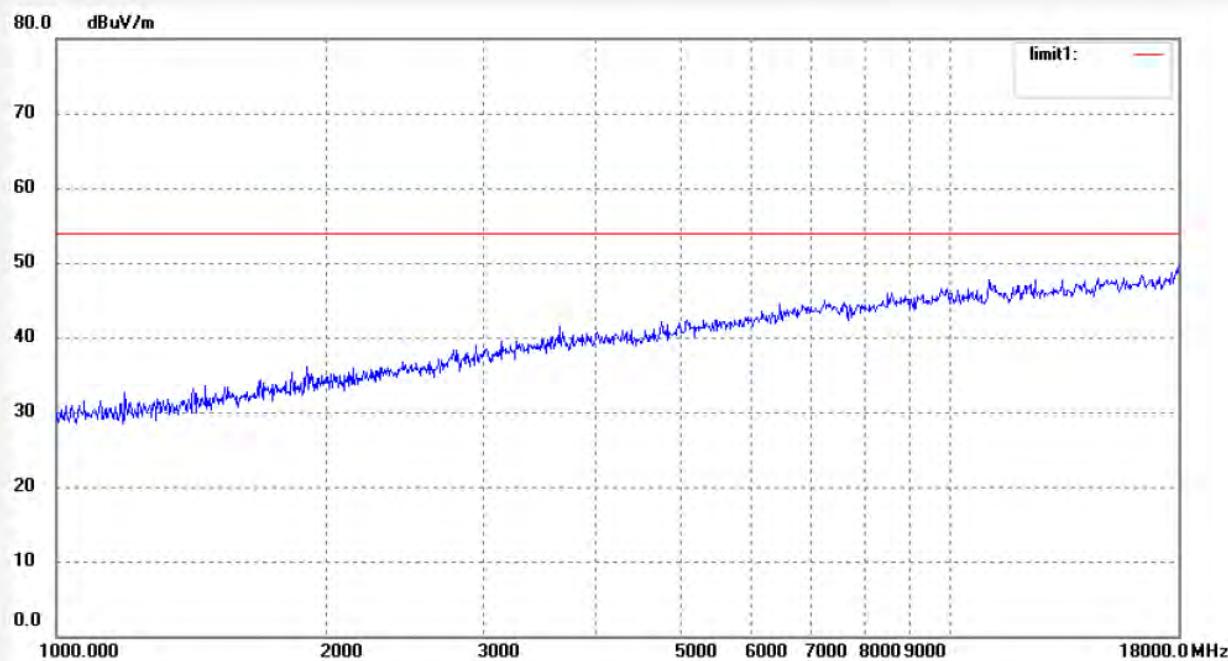
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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 Site: 1# Chamber
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Job No.: star #3267	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/10/09/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 10/53/25
EUT: Tablet	Engineer Signature:
Mode: TX Channel 1(802.11g)	Distance: 3m
Model: VX-E7001	
Manufacturer: Yingbinhai	
Note: Report No.:ATE20132087	



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark


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 Site: 1# Chamber
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 Fax:+86-0755-26503396

Job No.: star #3244	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/10/09/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 9/30/04
EUT: Tablet	Engineer Signature:
Mode: TX Channel 6(802.11g)	Distance: 3m
Model: VX-E7001	
Manufacturer: Yingbinhai	
Note: Report No.:ATE20132087	



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	131.7577	64.55	-23.12	41.43	43.50	-2.07	QP			
2	164.9075	63.22	-22.34	40.88	43.50	-2.62	QP			
3	197.8928	61.80	-20.35	41.45	43.50	-2.05	QP			


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 Fax:+86-0755-26503396

Job No.: star #3245

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/10/09/

Temp.(C)/Hum.(%) 25 C / 55 %

Time: 9/34/43

EUT: Tablet

Engineer Signature:

Mode: TX Channel 6(802.11g)

Distance: 3m

Model: VX-E7001

Manufacturer: Yingbihai

Note: Report No.:ATE20132087



No.	Freq. (MHz)	Reading (dB _{uV/m})	Factor (dB)	Result (dB _{uV/m})	Limit (dB _{uV/m})	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	74.6568	57.18	-21.61	35.57	40.00	-4.43	QP			
2	164.9074	63.72	-22.34	41.38	43.50	-2.12	QP			
3	197.8926	61.85	-20.35	41.50	43.50	-2.00	QP			