FCC Part 15C Test Report

FCC ID: 2AECGHX-M102

Product Name:	**Tablet pc**
Trademark:	**N/A**
Model Name :	**HX-M102,HX-M101, HX-M103, HX-B104, HX-B105, HX-K106, HX-K107, HX-M970, HX-M971, HX-A900, HX-A901, HX-A902, HX-A903, HX-F800, HX-F801, HX-F802, HX-F803, HX-T700, HX-A701, HX-A702, HX-A703**
Prepared For : Address :	**Guangdong Han Xin Electronic Technology Co., Ltd.** 20F(2003-2004), Leizhen Building, Fuming Road, Futian District, Shenzhen, Guangdong, China
Prepared By : Address :	**Shenzhen BCTC Technology Co., Ltd.** No.101,Yousong Road,Longhua New District, Shenzhen,China
Test Date:	**Jan. 20 - Jan. 27, 2015**
Date of Report :	**Jan. 27, 2015**
Report No.:	**BCTC-150100929**

VERIFICATION OF COMPLIANCE

Applicant's name ..... : Guangdong Han Xin Electronic Technology Co., Ltd.

Address ..... : 20F(2003-2004), Leizhen Building, Fuming Road, Futian District, Shenzhen, Guangdong, China

Manufacture's Name..... : Guangdong Han Xin Electronic Technology Co., Ltd.

Address ..... : 20F(2003-2004), Leizhen Building, Fuming Road, Futian District, Shenzhen, Guangdong, China

Product description

Product name ..... : Tablet pc

Trademark: N/A

Model Name: HX-M102

Test procedure FCC Part15.247

Standards ANSI C63.4-2003

This device described above has been tested by BCTC, and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

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Date of Test .....:

Date (s) of performance of tests .....: Jan. 20 - Jan. 27, 2015

Date of Issue.....: Jan. 27, 2015

Test Result.....: **Pass**

Testing Engineer : Eric Yang

(Eric Yang)

Technical Manager : Sophie Lee

(Sophia Lee)

Authorized Signatory : Casey Wang

SHENZHEN BCTC TECHNOLOGY CO., LTD. APPROVED

(Casey Wang)

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1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

FCC Part15 (15.247) , Subpart C			
Standard Section	Test Item	Judgment	Remark
15.207	Conducted Emission	PASS	
15.247 (a)(2)	6dB Bandwidth	PASS	
15.247 (b)	Peak Output Power	PASS	
15.247 (c)	Radiated Spurious Emission	PASS	
15.247 (d)	Power Spectral Density	PASS	
15.205	Band Edge Emission	PASS	
15.203	Antenna Requirement	PASS	

NOTE:

(1)” N/A” denotes test is not applicable in this Test Report

1.1 TEST FACILITY

Shenzhen BCTC Technology Co., Ltd.
Add.:No.101,Yousong Road,Longhua New District, Shenzhen,China
FCC Registration No.:187086

1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement **y ± U**，where expended uncertainty **U** is based on a standard uncertainty multiplied by a coverage factor of **k=2**，providing a level of confidence of approximately **95** %。

No.	Item	Uncertainty
1	Conducted Emission Test	±1.38dB
2	RF power,conducted	±0.16dB
3	Spurious emissions,conducted	±0.21dB
4	All emissions,radiated(<1G)	±4.68dB
5	All emissions,radiated(>1G)	±4.89dB
6	Temperature	±0.5°C
7	Humidity	±2%

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

<table>
<tr><td>Equipment</td><td>Tablet pc</td></tr>
<tr><td>Trademark</td><td>N/A</td></tr>
<tr><td>Model Name</td><td>HX-M102</td></tr>
<tr><td>Serial Model</td><td>HX-M101, HX-M103, HX-B104, HX-B105, HX-K106, HX-K107, HX-M970, HX-M971, HX-A900, HX-A901, HX-A902, HX-A903, HX-F800, HX-F801, HX-F802, HX-F803, HX-T700, HX-A701, HX-A702, HX-A703.</td></tr>
<tr><td>Model Difference</td><td>All the same,Only model name is different.</td></tr>
<tr><td>Product Description</td><td>The EUT is a Tablet pc
<table>
<tr><td>Operation Frequency:</td><td>2412~2462 MHz</td></tr>
<tr><td>Modulation Type:</td><td>CCK/OFDM/DBPSK/DAPSK</td></tr>
<tr><td>Bit Rate of Transmitter</td><td>802.11b:11/5.5/2/1 Mbps
802.11g:54/48/36/24/18/12/9/6 Mbps
802.11n:72.2/52/6.5 Mbps</td></tr>
<tr><td>Number Of Channel</td><td>11 CH, Please see Note 2.</td></tr>
<tr><td>Antenna Designation:</td><td>Please see Note 3.</td></tr>
<tr><td>Output Power(Conducted):</td><td>802.11b: 8.24 dBm (Max.)
802.11g: 6.31 dBm (Max.)
802.11n: 5.31 dBm (Max.)</td></tr>
</table>
Based on the application, features, or specification exhibited in User's Manual, the EUT is considered as an ITE/Computing Device. More details of EUT technical specification, please refer to the User's Manual.</td></tr>
<tr><td>Channel List</td><td>Please refer to the Note 2.</td></tr>
<tr><td>Adapter</td><td>Model:XHY050200LCCH
AC Power Input: 100-240V~, 50/60Hz, 0.5A MAX
Output: 5.0V⎓, 2.0A</td></tr>
<tr><td>Battery</td><td>DC3.7V</td></tr>
<tr><td>Connecting I/O Port(s)</td><td>Please refer to the User's Manual</td></tr>
</table>

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.
2.

Channel List for 802.11b/g/n							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
01	2412	04	2427	07	2442	10	2457
02	2417	05	2432	08	2447	11	2462
03	2422	06	2437	09	2452		

3.

Table for Filed Antenna

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	NOTE
A	N/A	N/A	FPCB antenna	N/A	2.0	Wifi Antenna

2.2 DESCRIPTION OF TEST MODES

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

Pretest Mode	Description
Mode 1	802.11b CH1/ CH6/ CH11
Mode 2	802.11g CH1/ CH6/ CH11
Mode 3	802.11n CH1/ CH6/ CH11
Mode 4	WIFI Link Mode

For Conducted Emission	
Final Test Mode	Description
Mode 4	WIFI Link Mode

For Radiated Emission	
Final Test Mode	Description
Mode 1	802.11b CH1/ CH6/ CH11
Mode 2	802.11g CH1/ CH6/ CH11
Mode 3	802.11n CH1/ CH6/ CH11

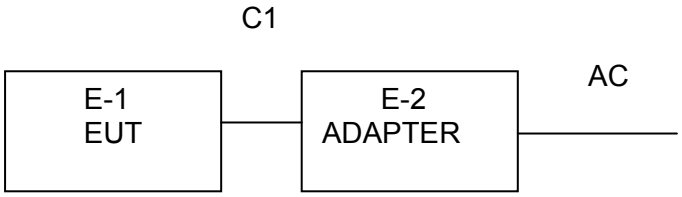
Note:

(1) The measurements are performed at the highest, middle, lowest available channels.

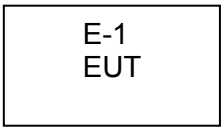
(2) The measurements are performed at all Bit Rate of Transmitter, the worst data was reported

2.3 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

Conducted Emission Test



Radiated Spurious Emission Test



2.4 DESCRIPTION OF SUPPORT UNITS(CONDUCTED MODE)

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Item	Equipment	Mfr/Brand	Model/Type No.	Series No.	Note
E-1	Tablet pc	N/A	HX-M102	N/A	EUT
E-2	Adapter	N/A	XHY050200LCCH	N/A	

Item	Shielded Type	Ferrite Core	Length	Note
C-1	NO	NO	1.1M	

Note:

(1) The support equipment was authorized by Declaration of Confirmation.
(2) For detachable type I/O cable should be specified the length in cm in『Length』column.

2.5 EQUIPMENTS LIST FOR ALL TEST ITEMS

Radiation Test equipment

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibration period
1	Spectrum Analyzer	Agilent	E4407B	MY45109572	2014.08.25	2015.08.24	1 year
2	Test Receiver	R&S	ESPI	101396	2014.08.25	2015.08.24	1 year
3	Bilog Antenna	SCHWARZBECK	VULB9160	VULB9160-3369	2014.08.25	2015.08.24	1 year
4	50Ω Coaxial Switch	Anritsu	MP59B	6200264416	2014.06.07	2015.06.06	1 year
5	Spectrum Analyzer	ADVANTEST	R3132	150900201	2014.06.07	2015.06.06	1 year
6	Horn Antenna	SCHWARZBECK	9120D	9120D-1275	2014.08.25	2015.08.24	1 year
7	Horn Ant	Schwarzbeck	BBHA 9170	9170-181	2014.07.06	2015.07.05	1 year
8	Amplifier	SCHWARZBECK	BBV9718	9718-270	2014.08.25	2015.08.24	1 year
9	Amplifier	SCHWARZBECK	BBV9743	9743-119	2014.08.25	2015.08.24	1 year
10	Loop Antenna	ARA	PLA-1030/B	1029	2014.06.08	2015.06.07	1 year
11	Power Meter	R&S	NRVS	100696	2014.07.06	2015.07.05	1 year
12	Power Sensor	R&S	URV5-Z4	0395.1619.05	2014.07.06	2015.07.05	1 year
13	RF cables	R&S	N/A	N/A	2014.07.06	2015.07.05	1 year

Conduction Test equipment

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibration period
1	Test Receiver	R&S	ESCI	101421	2014.08.25	2015.08.24	1 year
2	LISN	SCHWARZBECK	NSLK8127	812779	2014.08.25	2015.08.24	1 year
3	LISN	EMCO	Feb-16	42990	2014.08.24	2015.08.23	1 year
4	50Ω Coaxial Switch	Anritsu	MP59B	6200264417	2014.06.07	2015.06.06	1 year
5	Passive Voltage Probe	R&S	ESH2-Z3	100196	2014.06.07	2015.06.06	1 year

3. EMC EMISSION TEST

3.1 CONDUCTED EMISSION MEASUREMENT

3.1.1 POWER LINE CONDUCTED EMISSION Limits (Frequency Range 150KHz-30MHz)

FREQUENCY (MHz)	Class A (dBuV)		Class B (dBuV)		Standard
	Quasi-peak	Average	Quasi-peak	Average	
0.15 -0.5	79.00	66.00	66 - 56 *	56 - 46 *	CISPR
0.50 -5.0	73.00	60.00	56.00	46.00	CISPR
5.0 -30.0	73.00	60.00	60.00	50.00	CISPR

0.15 -0.5	79.00	66.00	66 - 56 *	56 - 46 *	FCC
0.50 -5.0	73.00	60.00	56.00	46.00	FCC
5.0 -30.0	73.00	60.00	60.00	50.00	FCC

Note:

(1) The tighter limit applies at the band edges.

(2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

The following table is the setting of the receiver

Receiver Parameters	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz

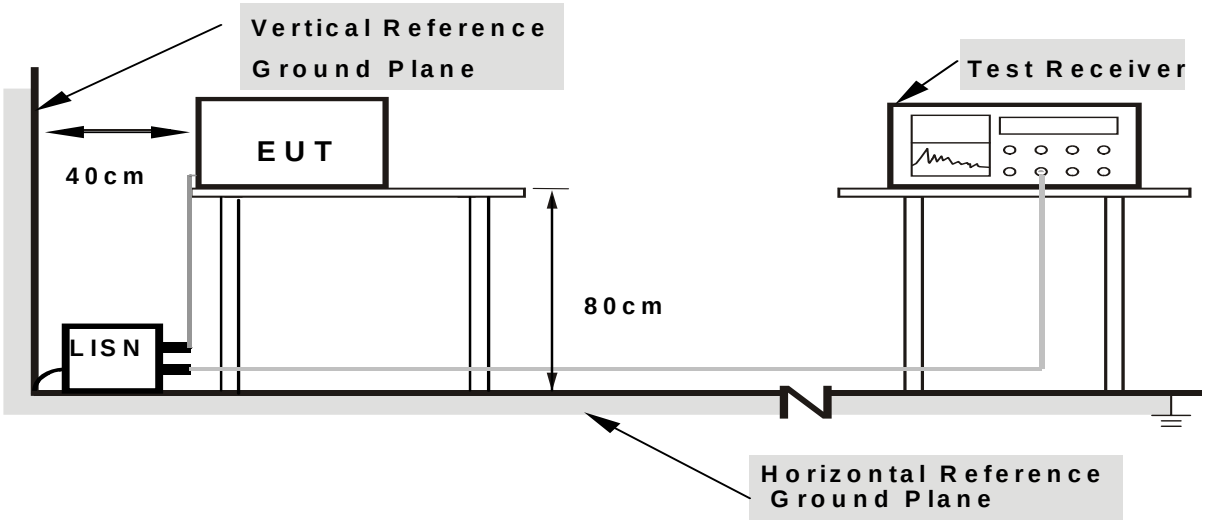
3.1.2 TEST PROCEDURE

a. The EUT was placed 0.4 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
d. LISN at least 80 cm from nearest part of EUT chassis.
e. For the actual test configuration, please refer to the related Item –EUT Test Photos.

3.1.3 DEVIATION FROM TEST STANDARD

No deviation

3.1.4 TEST SETUP



Note: 1.Support units were connected to second LISN.
2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes

3.1.5 EUT OPERATING CONDITIONS

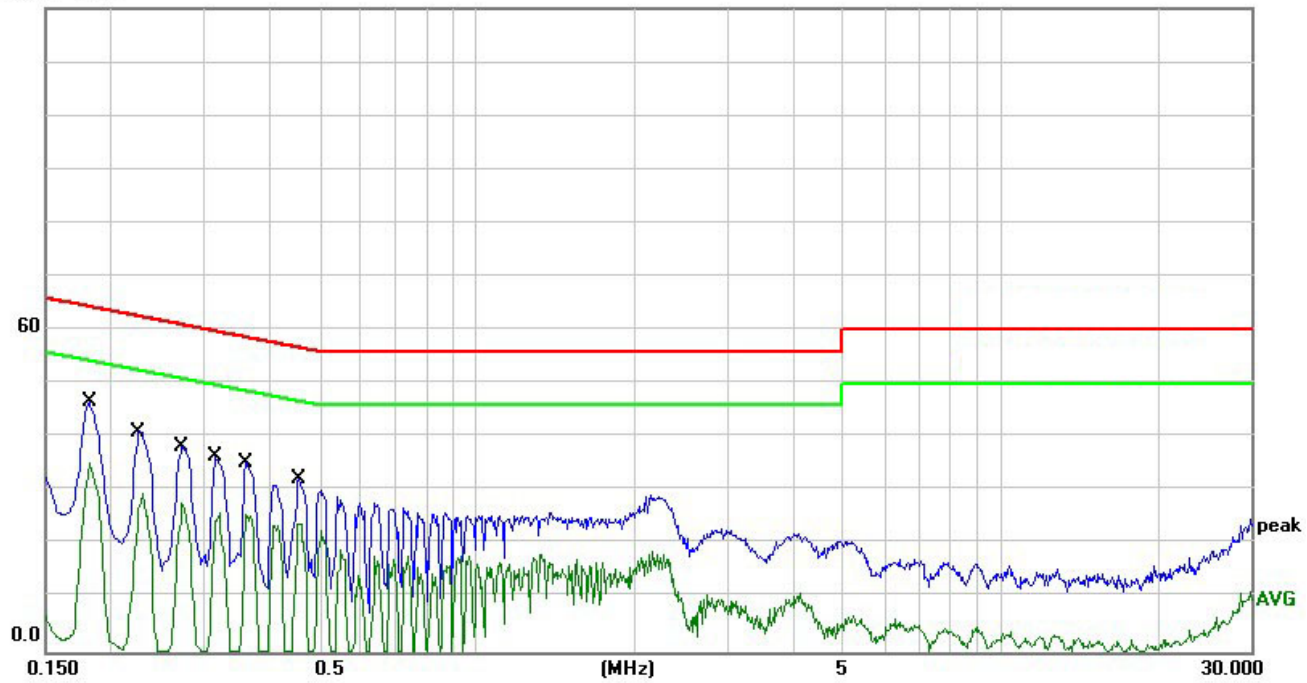
The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

3.1.6 TEST RESULTS

EUT：	Tablet pc	Model Name. ：	HX-M102
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1010hPa	Phase：	L
Test Voltage ：	AC 120V/60Hz	Test Mode：	Mode 4

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV)	Limits (dBμV)	Margin (dB)	Detector Type
0.1819	46.58	0.08	46.66	64.39	-17.73	QP
0.1819	35.25	0.08	35.33	54.39	-19.06	AVG
0.2260	40.82	0.08	40.90	62.59	-21.69	QP
0.2260	29.57	0.08	29.65	52.59	-22.94	AVG
0.2740	38.17	0.07	38.24	60.99	-22.75	QP
0.2740	27.55	0.07	27.62	50.99	-23.37	AVG
0.3180	36.24	0.07	36.31	59.76	-23.45	QP
0.3180	25.87	0.07	25.94	49.76	-23.82	AVG
0.3620	35.24	0.06	35.30	58.68	-23.38	QP
0.3620	25.73	0.06	25.79	48.68	-22.89	AVG
0.4540	32.10	0.05	32.15	56.80	-24.65	QP
0.4540	23.94	0.05	23.99	46.80	-22.81	AVG

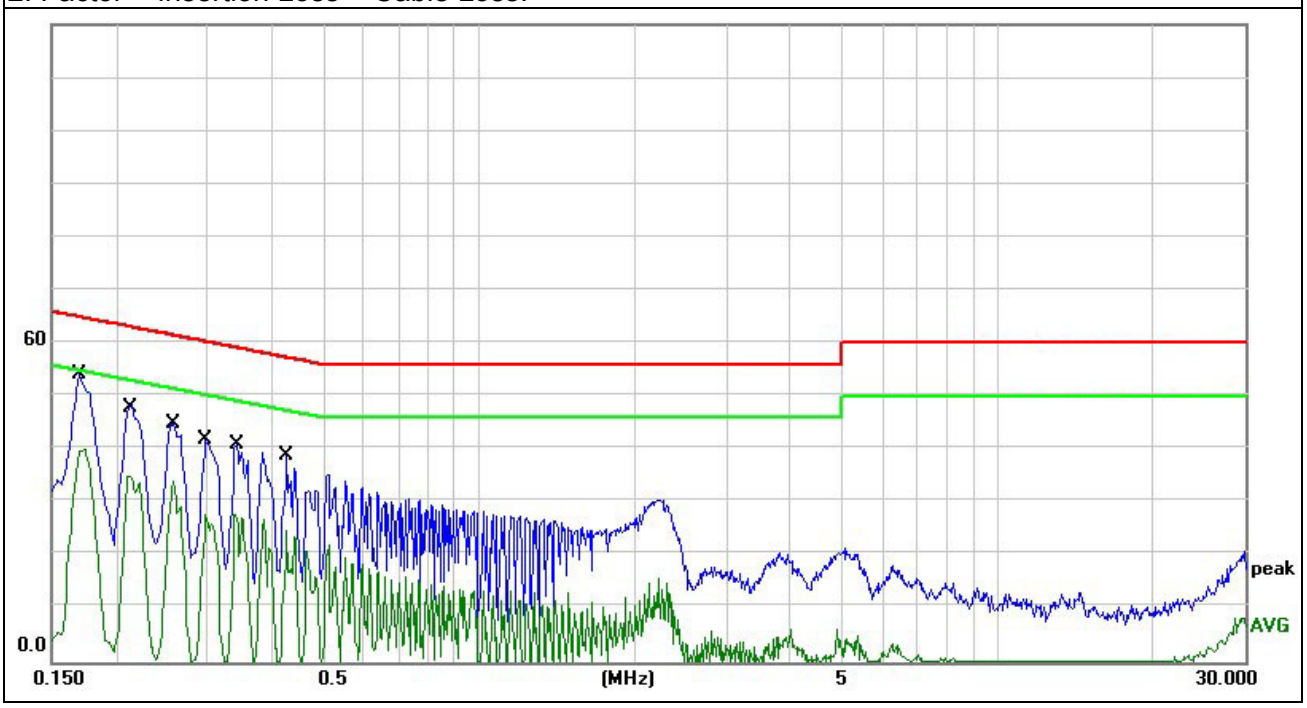
Remark:
1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.



EUT：	Tablet pc	Model Name. ：	HX-M102
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1010hPa	Phase：	N
Test Voltage ：	AC 120V/60Hz	Test Mode：	Mode 4

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV)	Limits (dBμV)	Margin (dB)	Detector Type
0.1700	54.12	0.08	54.20	64.96	-10.76	QP
0.1700	40.02	0.08	40.10	54.96	-14.86	AVG
0.2100	48.23	0.08	48.31	63.20	-14.89	QP
0.2100	34.97	0.08	35.05	53.20	-18.15	AVG
0.2580	44.79	0.07	44.86	61.49	-16.63	QP
0.2580	33.85	0.07	33.92	51.49	-17.57	AVG
0.2980	41.70	0.07	41.77	60.30	-18.53	QP
0.2980	27.70	0.07	27.77	50.30	-22.53	AVG
0.3379	41.02	0.07	41.09	59.25	-18.16	QP
0.3379	27.73	0.07	27.80	49.25	-21.45	AVG
0.4260	38.72	0.06	38.78	57.33	-18.55	QP
0.4260	24.76	0.06	24.82	47.33	-22.51	AVG

Remark:
1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.



3.2 RADIATED EMISSION MEASUREMENT

3.2.1 RADIATED EMISSION LIMITS (Frequency Range 9kHz-1000MHz)

20dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

Frequencies (MHz)	Field Strength (micorvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000MHz)

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RB / VB (emission in restricted band)	1 MHz / 1 MHz for Peak, 1 MHz / 10Hz for Average

Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RB 200Hz for QP
Start ~ Stop Frequency	150kHz~30MHz / RB 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RB 120kHz for QP

3.2.2 TEST PROCEDURE

a. The measuring distance of at 3 m shall be used for measurements at frequency up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.
b. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter open area test site. The table was rotated 360 degrees to determine the position of the highest radiation.
c. The height of the equipment or of the substitution antenna shall be 0.8 m; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
d. The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
e. If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
f. For the actual test configuration, please refer to the related Item –EUT Test Photos.

Note:

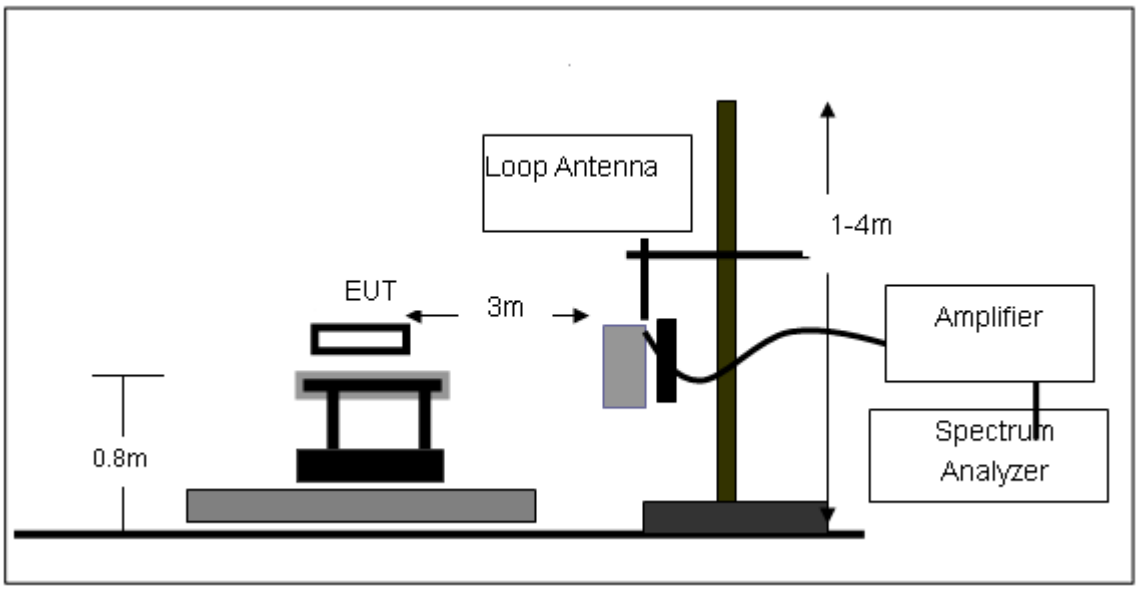
Both horizontal and vertical antenna polarities were tested
and performed pretest to three orthogonal axis. The worst case emissions were reported

3.2.3 DEVIATION FROM TEST STANDARD

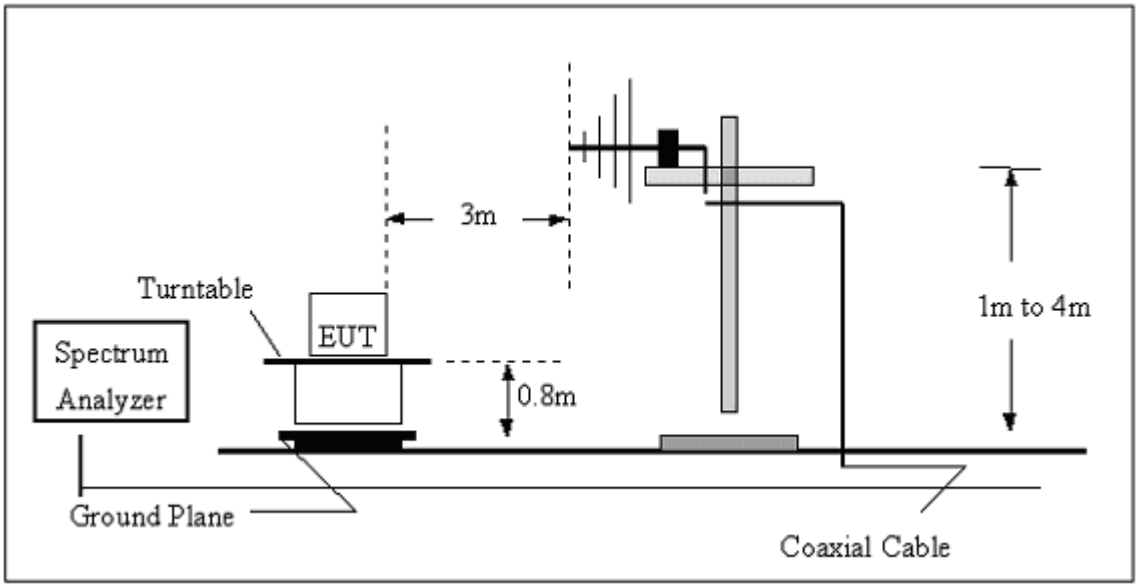
No deviation

3.2.4 TEST SETUP

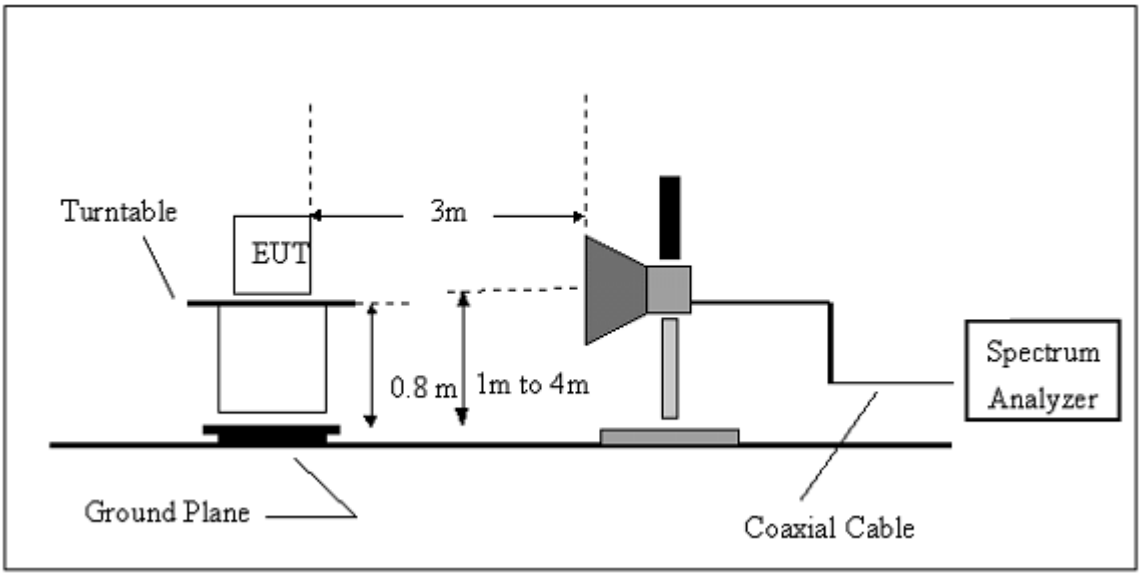
（A）Radiated Emission Test-Up Frequency Below 30MHz



（B）Radiated Emission Test-Up Frequency 30MHz~1GHz



（C）Radiated Emission Test-Up Frequency Above 1GHz



3.2.5 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

3.2.6 TEST RESULTS (BETWEEN 9KHZ – 30 MHZ)

EUT：	Tablet pc	Model Name. ：	HX-M102
Temperature：	26 ℃	Relative Humidtity：	54%
Pressure：	1010 hPa	Test Voltage ：	By Battery
Test Mode ：	TX	Polarization :	--

Freq.	Reading	Limit	Margin	State
(MHz)	(dBuV/m)	(dBuV/m)	(dB)	P/F
--	--	--	--	PASS
--	--	--	--	PASS

NOTE:

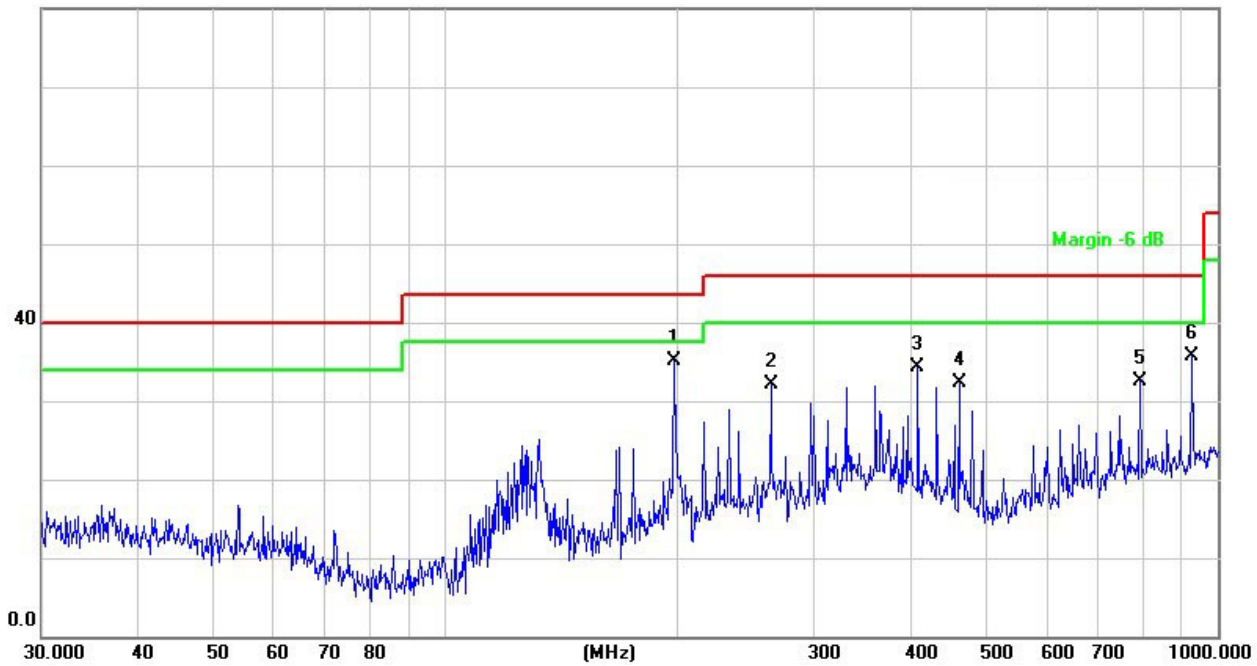
The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.
Distance extrapolation factor =40 log (specific distance/test distance)(dB);
Limit line = specific limits(dBuv) + distance extrapolation factor.

3.2.7 TEST RESULTS (BETWEEN 30MHZ – 1GHZ)

EUT：	Tablet pc	Model Name ：	HX-M102
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1010 hPa	Test Voltage ：	By Battery
Test Mode ：	TX	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
197.8928	51.13	-16.07	35.06	43.50	-8.44	QP
263.8190	45.85	-13.76	32.09	46.00	-13.91	QP
408.9460	44.36	-9.99	34.37	46.00	-11.63	QP
462.3455	41.15	-8.80	32.35	46.00	-13.65	QP
793.3960	35.14	-2.62	32.52	46.00	-13.48	QP
925.7563	36.72	-0.99	35.73	46.00	-10.27	QP

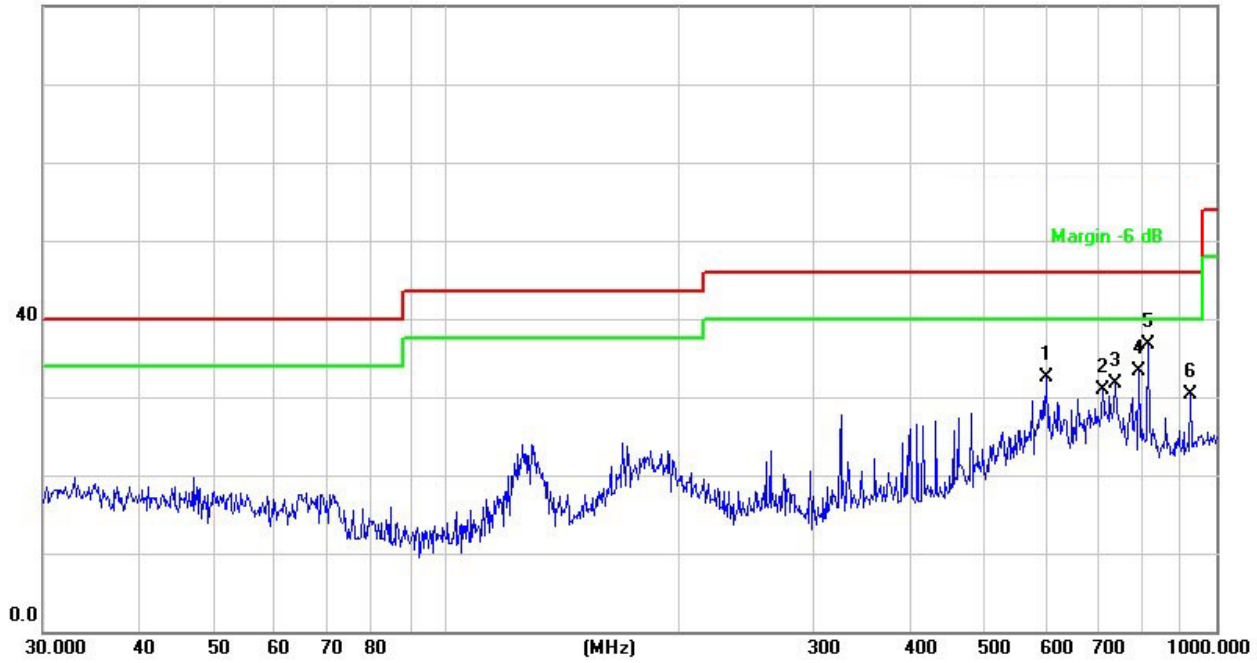
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT：	Tablet pc	Model Name ：	HX-M102
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1010 hPa	Test Voltage ：	By Battery
Test Mode ：	TX	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
601.4265	38.07	-5.66	32.41	46.00	-13.59	QP
711.6734	35.04	-4.15	30.89	46.00	-15.11	QP
739.6605	35.12	-3.38	31.74	46.00	-14.26	QP
793.3960	35.89	-2.62	33.27	46.00	-12.73	QP
815.9678	39.15	-2.36	36.79	46.00	-9.21	QP
925.7563	31.27	-0.99	30.28	46.00	-15.72	QP

Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.

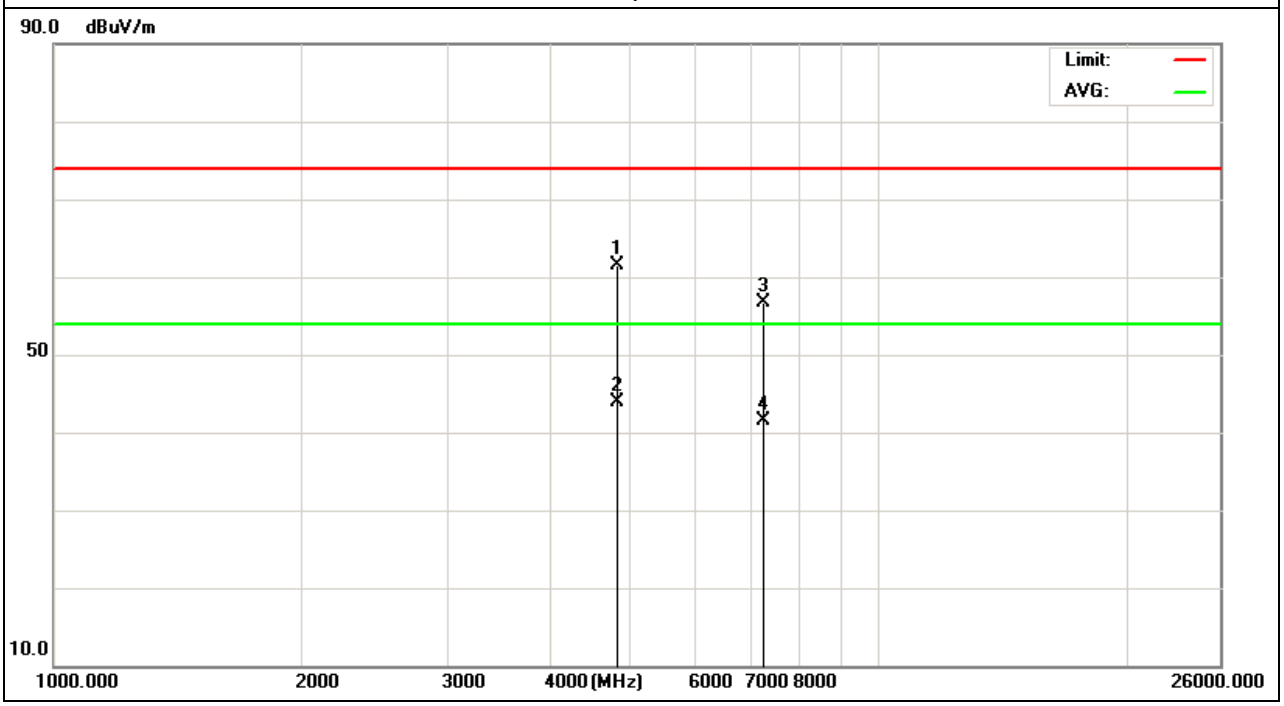


3.2.8 TEST RESULTS (ABOVE 1000 MHZ)

EUT：	Tablet pc	Model Name ：	HX-M102
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1010 hPa	Test Voltage ：	By Battery
Test Mode ：	CH1 (802.11b Mode)	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4824.157	51.03	10.44	61.47	74	-12.53	peak
4824.157	33.39	10.44	43.83	54	-10.17	AVG
7236.133	44.26	12.39	56.65	74	-17.35	peak
7236.133	29.16	12.39	41.55	54	-12.45	AVG

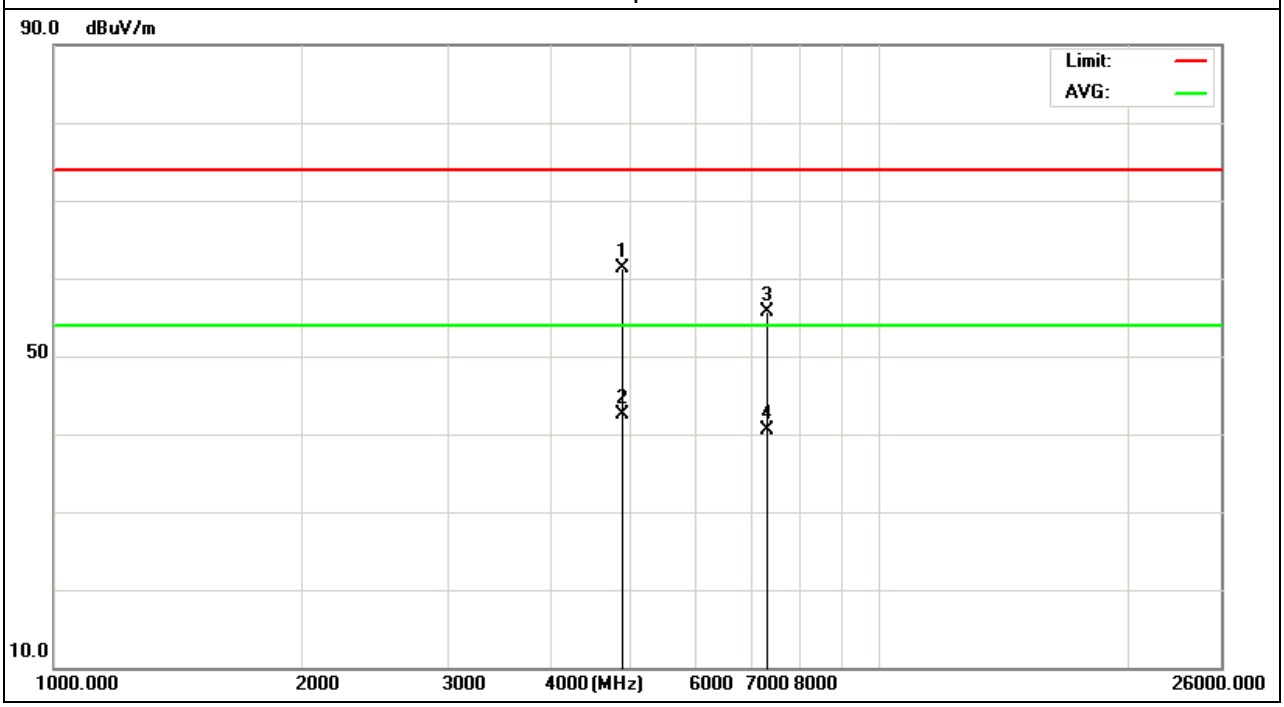
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT：	Tablet pc	Model Name ：	HX-M102
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1010 hPa	Test Voltage ：	By Battery
Test Mode ：	CH1 (802.11b Mode)	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4874.145	50.92	10.4	61.32	74	-12.68	peak
4874.145	32.19	10.4	42.59	54	-11.41	AVG
7311.174	42.88	12.75	55.63	74	-18.37	peak
7311.174	27.77	12.75	40.52	54	-13.48	AVG

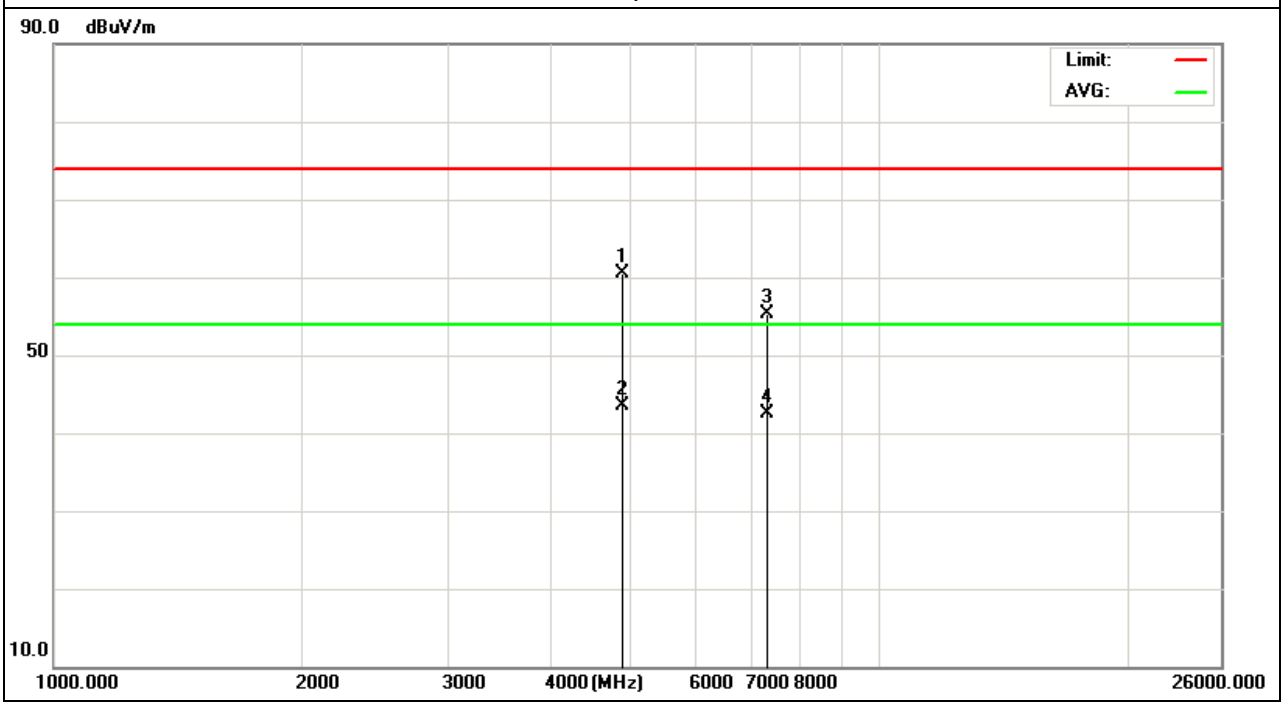
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT：	Tablet pc	Model Name ：	HX-M102
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1010 hPa	Test Voltage ：	By Battery
Test Mode ：	CH6 (802.11b Mode)	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4874.127	50.11	10.4	60.51	74	-13.49	peak
4874.127	33.02	10.4	43.42	54	-10.58	AVG
7311.13	42.55	12.75	55.3	74	-18.7	peak
7311.13	29.73	12.75	42.48	54	-11.52	AVG

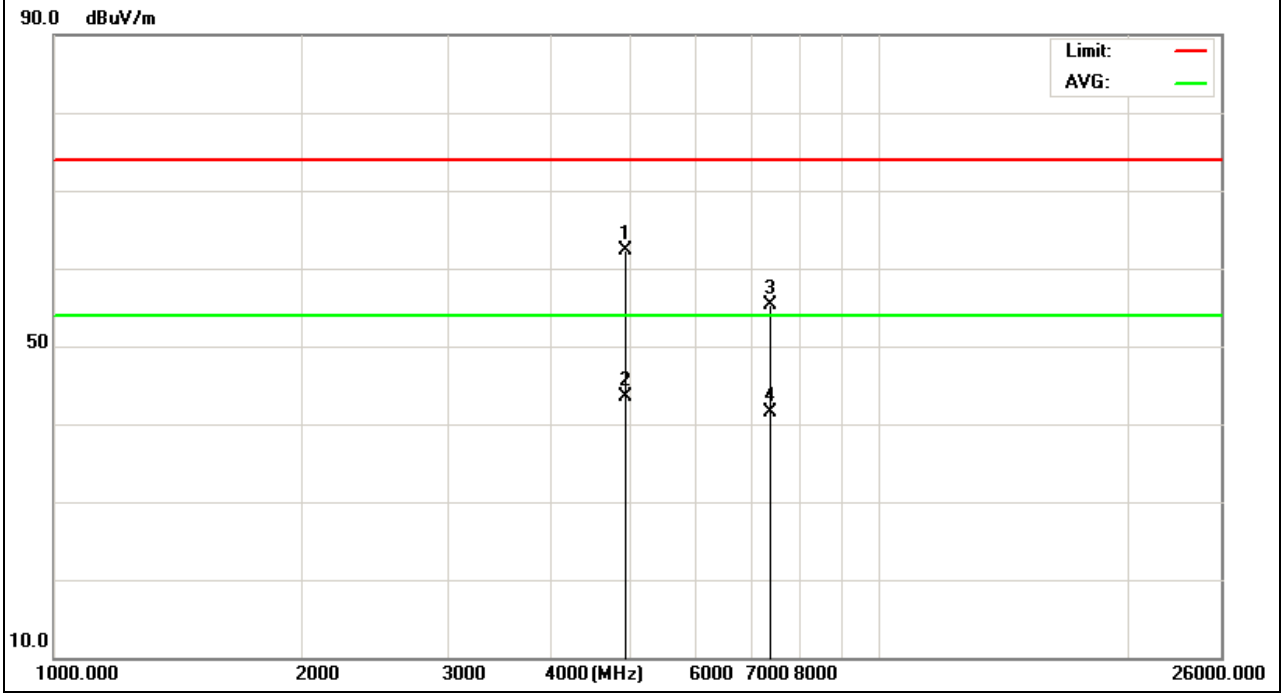
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT：	Tablet pc	Model Name ：	HX-M102
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1010 hPa	Test Voltage ：	By Battery
Test Mode ：	CH6 (802.11b Mode)	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4924.165	51.95	10.39	62.34	74	-11.66	peak
4934.165	33.08	10.44	43.52	54	-10.48	AVG
7386.121	42.67	12.68	55.35	74	-18.65	peak
7386.121	28.79	12.68	41.47	54	-12.53	AVG

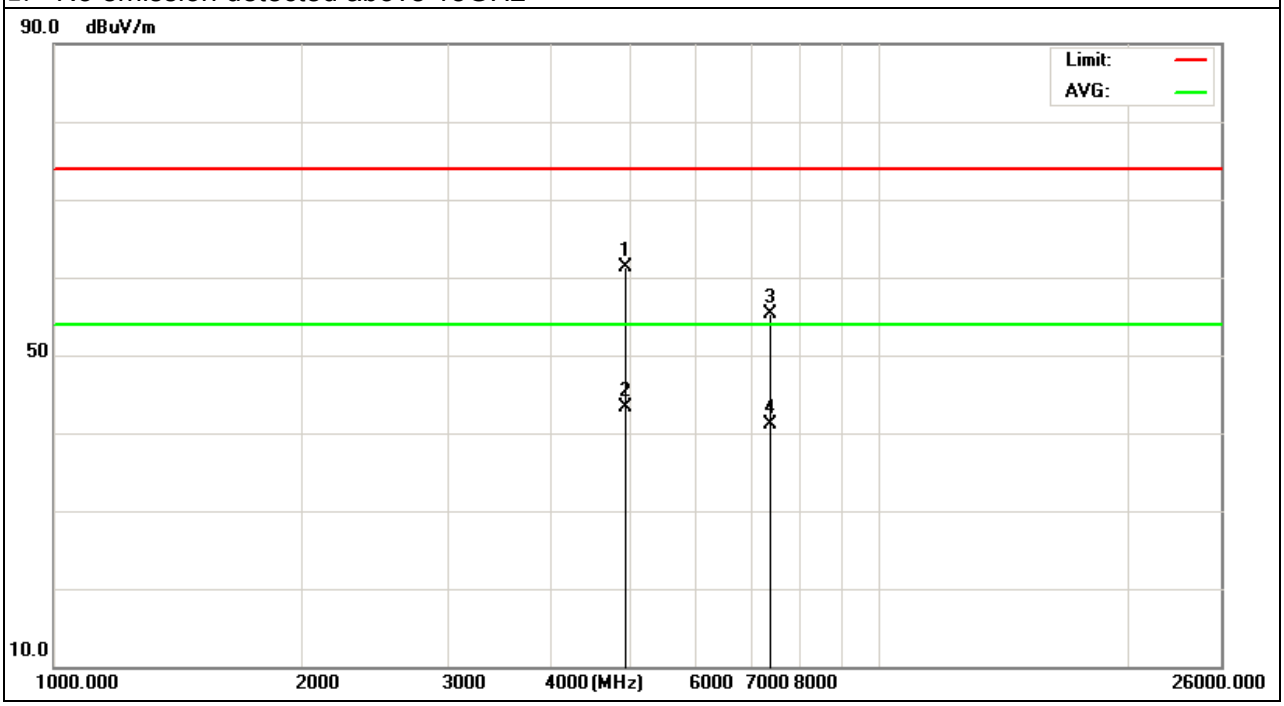
Remark:
1. Factor = Antenna Factor + Cable Loss – Pre-amplifier.
2. No emission detected above 18GHz



EUT：	Tablet pc	Model Name ：	HX-M102
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1010 hPa	Test Voltage ：	By Battery
Test Mode ：	CH11 (802.11b Mode)	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4924.169	50.98	10.39	61.37	74	-12.63	peak
4924.169	32.89	10.39	43.28	54	-10.72	AVG
7386.146	42.63	12.68	55.31	74	-18.69	peak
7386.146	28.5	12.68	41.18	54	-12.82	AVG

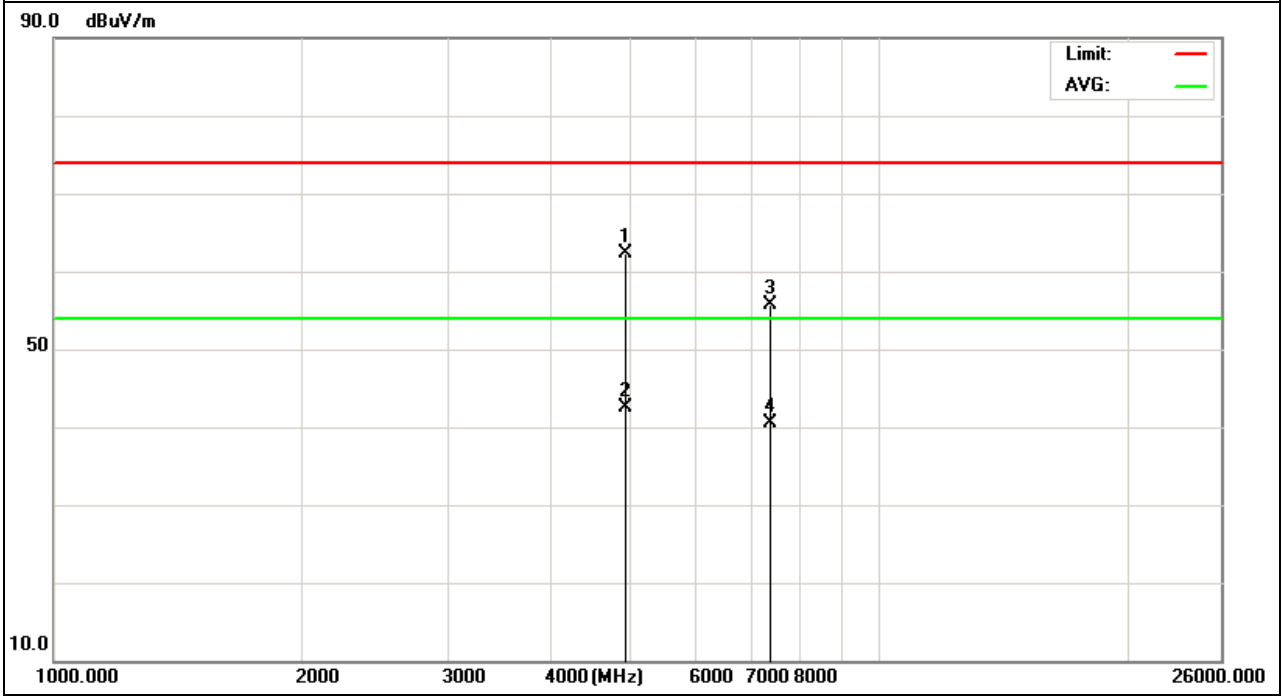
Remark:
1. Factor = Antenna Factor + Cable Loss – Pre-amplifier.
2. No emission detected above 18GHz



EUT：	Tablet pc	Model Name ：	HX-M102
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1010 hPa	Test Voltage ：	By Battery
Test Mode ：	CH11 (802.11b Mode)	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4924.12	51.96	10.39	62.35	74	-11.65	peak
4924.12	32.07	10.39	42.46	54	-11.54	AVG
7386.155	42.99	12.68	55.67	74	-18.33	peak
7386.155	27.85	12.68	40.53	54	-13.47	AVG

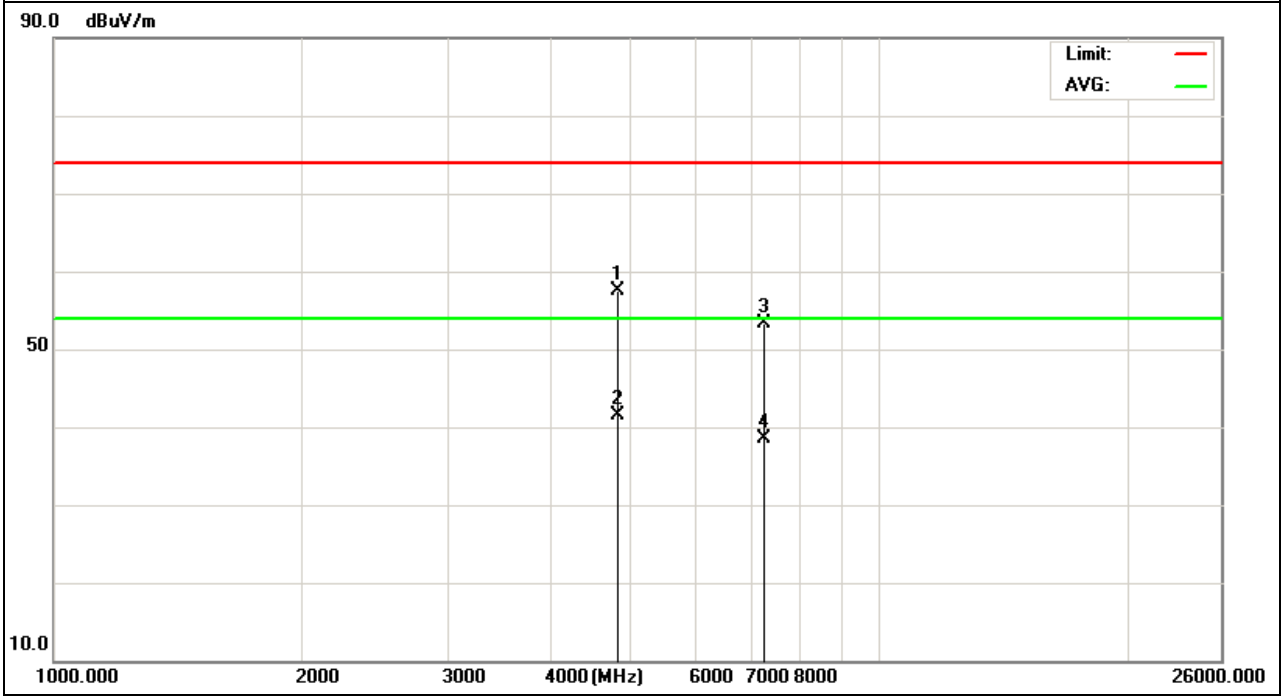
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT：	Tablet pc	Model Name ：	HX-M102
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1010 hPa	Test Voltage ：	By Battery
Test Mode ：	CH1 (802.11g Mode)	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4824.166	47.16	10.44	57.6	74	-16.4	peak
4824.166	31.05	10.44	41.49	54	-12.51	AVG
7236.138	40.96	12.39	53.35	74	-20.65	peak
7236.138	26.07	12.39	38.46	54	-15.54	AVG

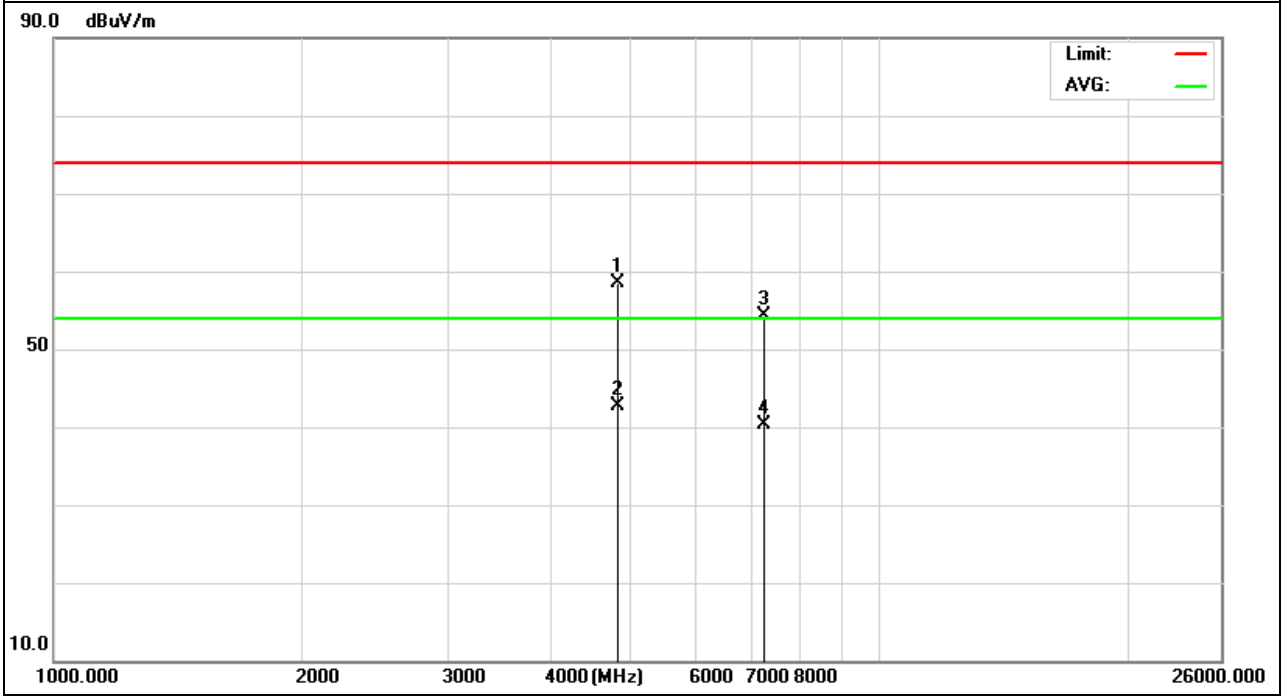
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT：	Tablet pc	Model Name ：	HX-M102
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1010 hPa	Test Voltage ：	By Battery
Test Mode ：	CH1 (802.11g Mode)	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4824.158	48.13	10.44	58.57	74	-15.43	peak
4824.158	32.18	10.44	42.62	54	-11.38	AVG
7236.136	41.99	12.39	54.38	74	-19.62	peak
7236.136	27.97	12.39	40.36	54	-13.64	AVG

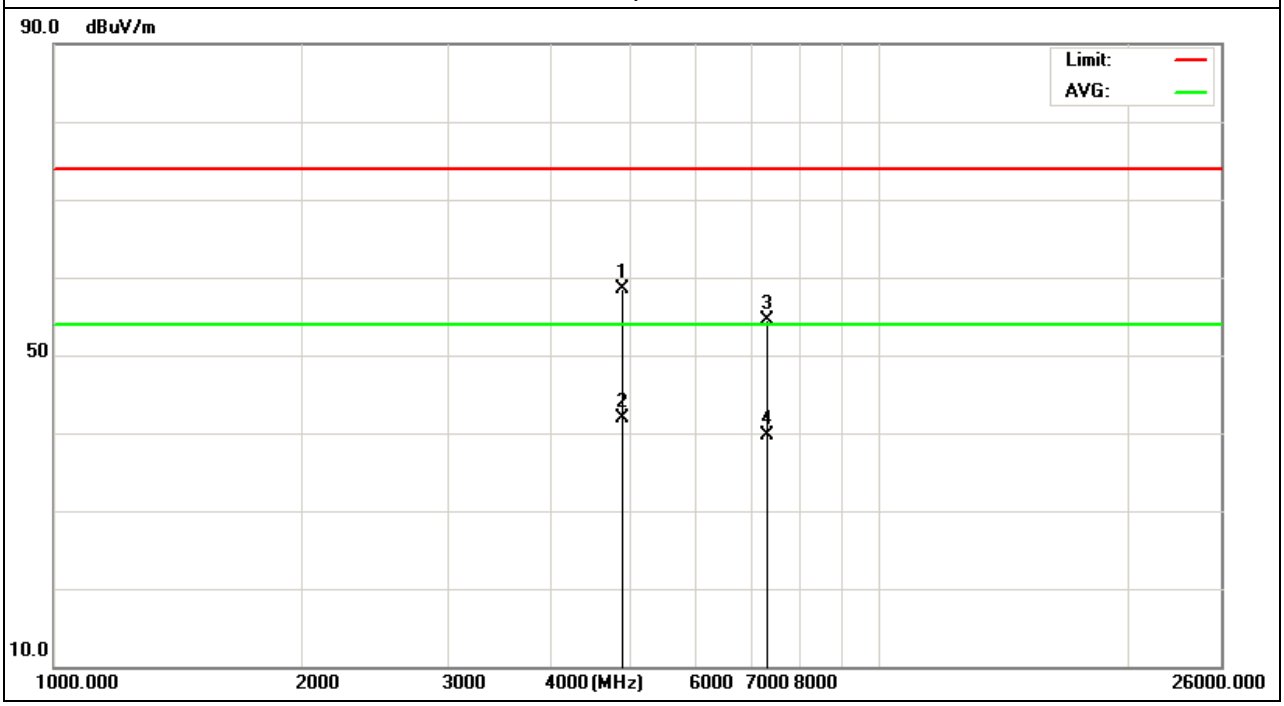
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT：	Tablet pc	Model Name ：	HX-M102
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1010 hPa	Test Voltage ：	By Battery
Test Mode ：	CH6 (802.11g Mode)	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4874.132	48.04	10.4	58.44	74	-15.56	peak
4874.132	31.47	10.4	41.87	54	-12.13	AVG
7311.177	41.73	12.75	54.48	74	-19.52	peak
7311.177	27.01	12.75	39.76	54	-14.24	AVG

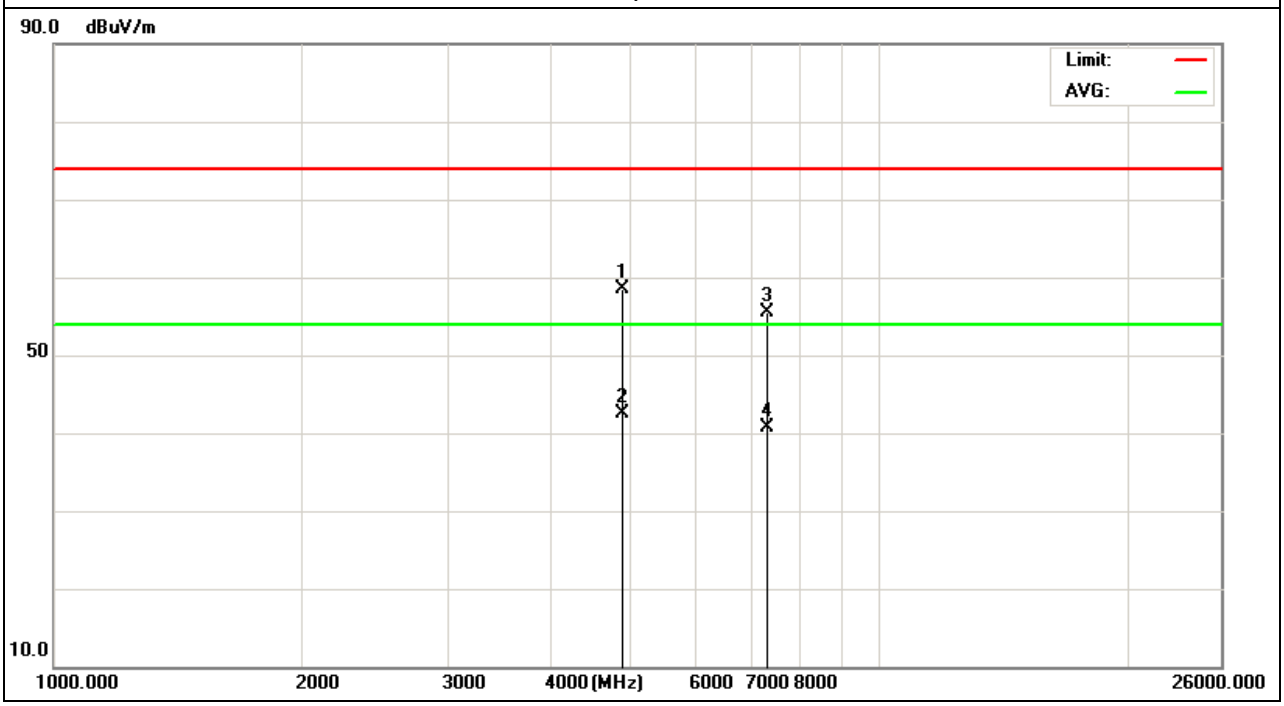
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT：	Tablet pc	Model Name ：	HX-M102
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1010 hPa	Test Voltage ：	By Battery
Test Mode ：	CH6 (802.11g Mode)	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4874.153	48.19	10.4	58.59	74	-15.41	peak
4874.153	32.07	10.4	42.47	54	-11.53	AVG
7311.114	42.68	12.75	55.43	74	-18.57	peak
7311.114	27.92	12.75	40.67	54	-13.33	AVG

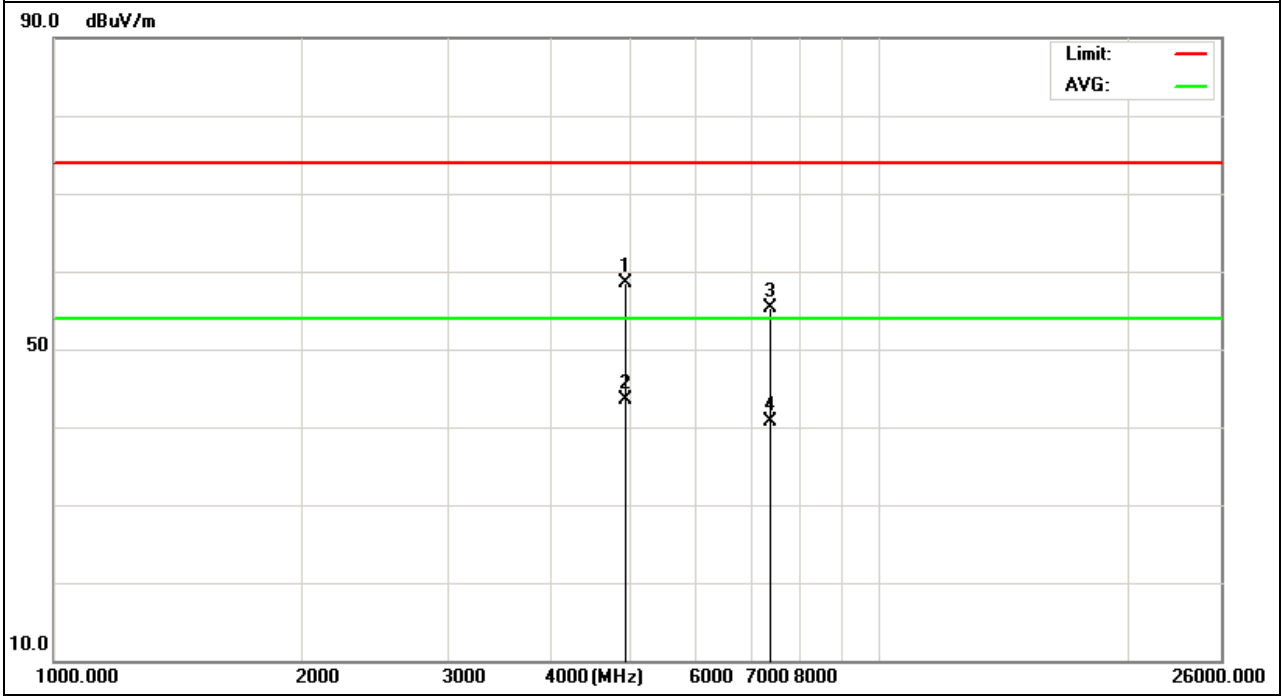
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT：	Tablet pc	Model Name ：	HX-M102
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1010 hPa	Test Voltage ：	By Battery
Test Mode ：	CH11 (802.11g Mode)	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4924.123	48.17	10.39	58.56	74	-15.44	peak
4924.123	33.02	10.39	43.41	54	-10.59	AVG
7386.131	42.55	12.68	55.23	74	-18.77	peak
7386.131	28.02	12.68	40.7	54	-13.3	AVG

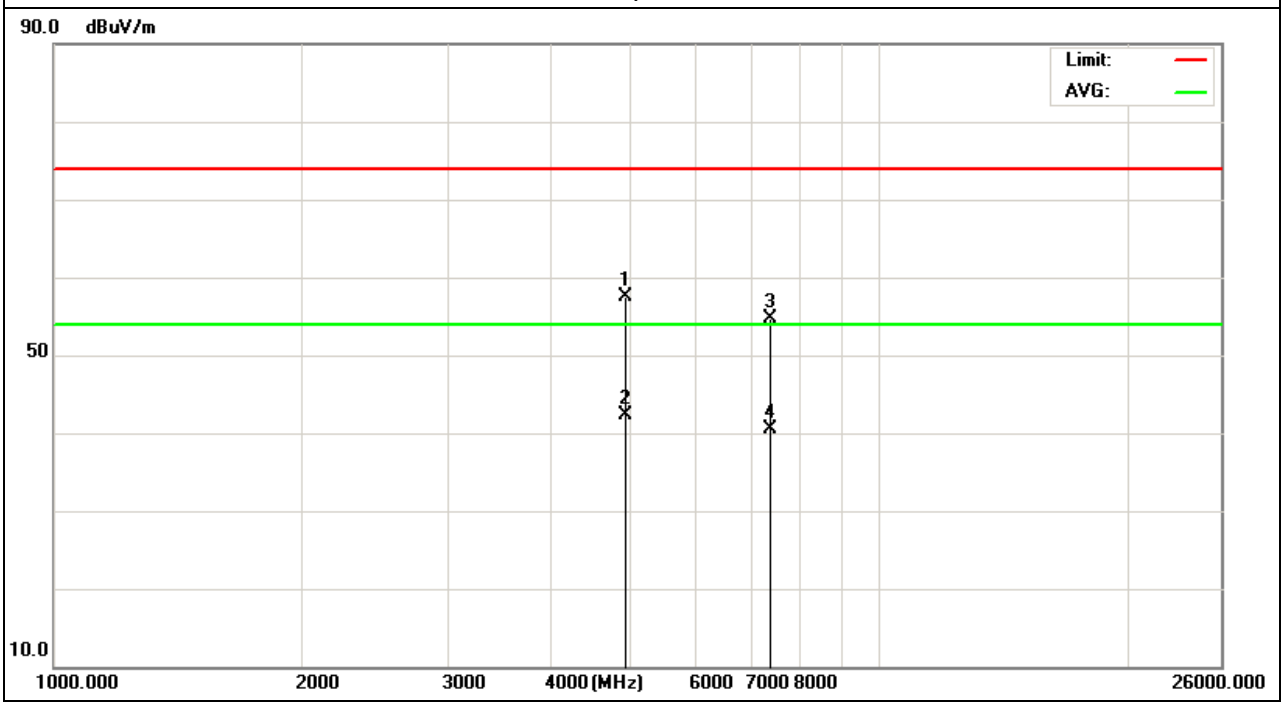
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT：	Tablet pc	Model Name ：	HX-M102
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1010 hPa	Test Voltage ：	By Battery
Test Mode ：	CH11(802.11g Mode)	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4924.146	47.13	10.39	57.52	74	-16.48	peak
4924.146	31.96	10.39	42.35	54	-11.65	AVG
7386.125	41.98	12.68	54.66	74	-19.34	peak
7386.125	27.85	12.68	40.53	54	-13.47	AVG

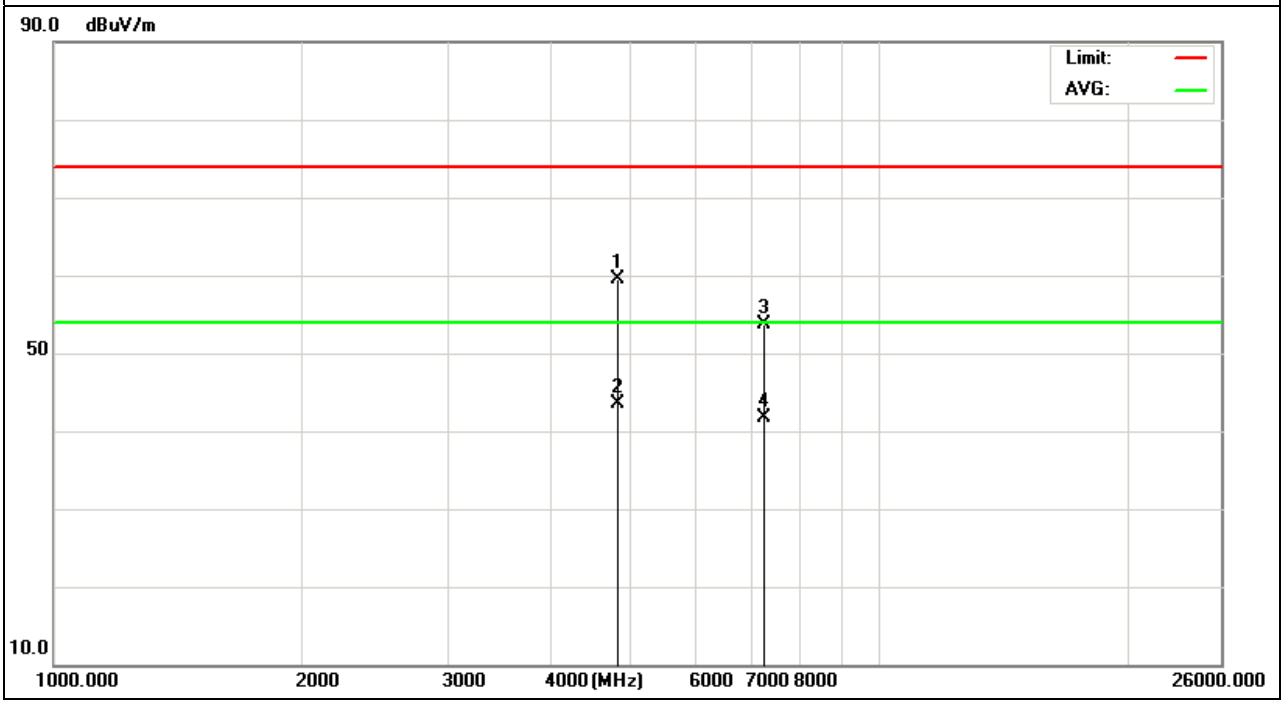
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT：	Tablet pc	Model Name ：	HX-M102
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1010 hPa	Test Voltage ：	By Battery
Test Mode ：	CH1 (802.11n Mode)	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4824.161	49.04	10.44	59.48	74	-14.52	peak
4824.161	32.99	10.44	43.43	54	-10.57	AVG
7236.135	41.37	12.39	53.76	74	-20.24	peak
7236.135	29.29	12.39	41.68	54	-12.32	AVG

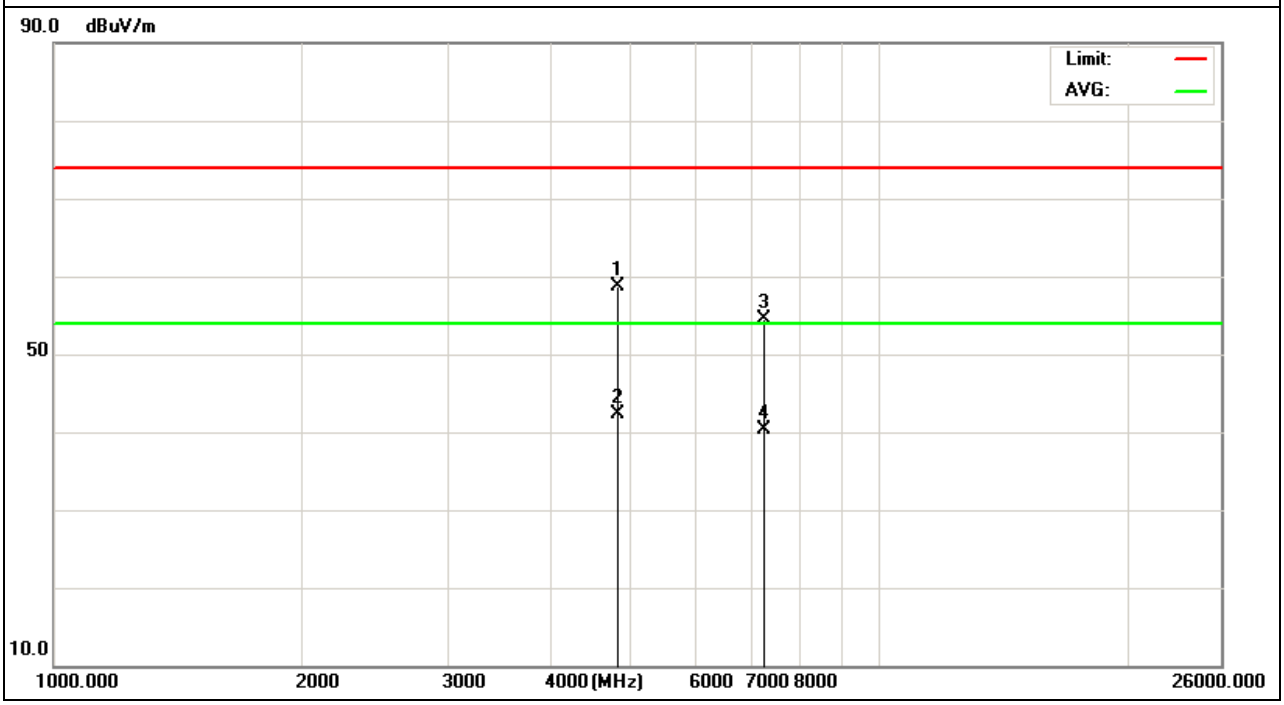
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT：	Tablet pc	Model Name ：	HX-M102
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1010 hPa	Test Voltage ：	By Battery
Test Mode ：	CH1 (802.11n Mode)	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4824.147	48.22	10.44	58.66	74	-15.34	peak
4824.147	31.91	10.44	42.35	54	-11.65	AVG
7236.133	42.08	12.39	54.47	74	-19.53	peak
7236.133	28	12.39	40.39	54	-13.61	AVG

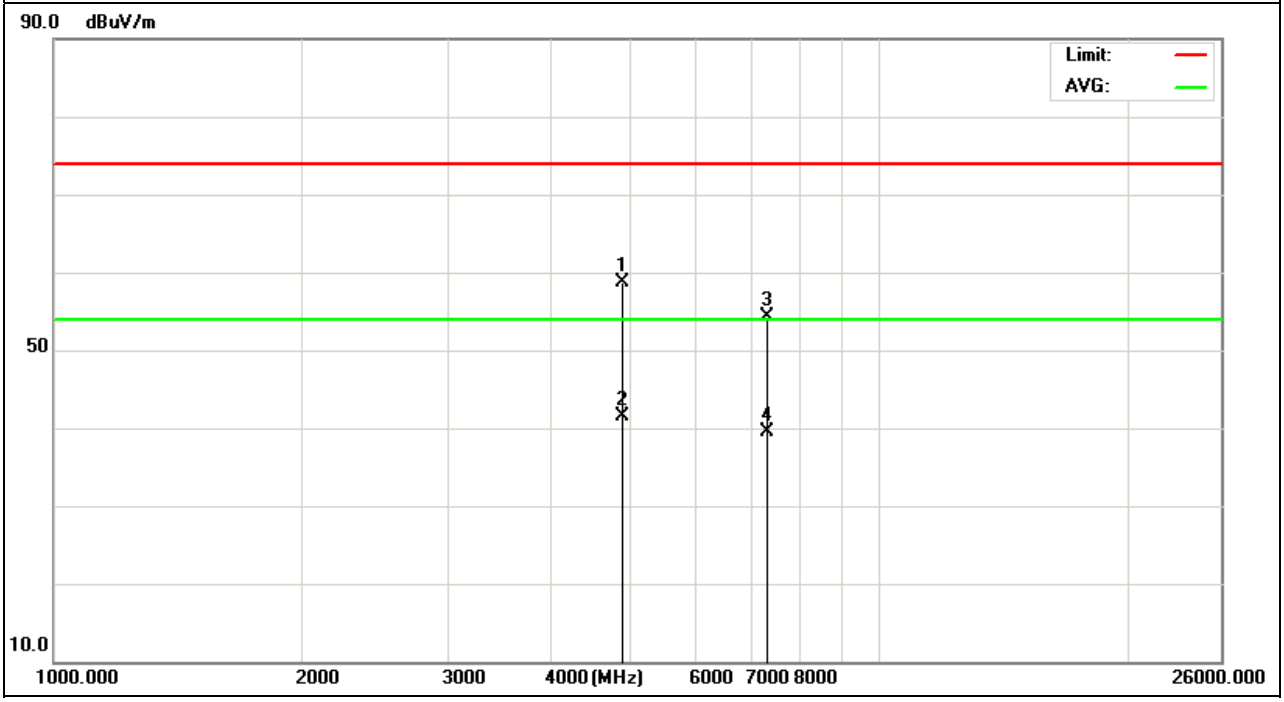
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT：	Tablet pc	Model Name ：	HX-M102
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1010 hPa	Test Voltage ：	By Battery
Test Mode ：	CH6 (802.11n Mode)	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4874.143	48.24	10.4	58.64	74	-15.36	peak
4874.143	31.05	10.4	41.45	54	-12.55	AVG
7311.165	41.6	12.75	54.35	74	-19.65	peak
7311.165	26.78	12.75	39.53	54	-14.47	AVG

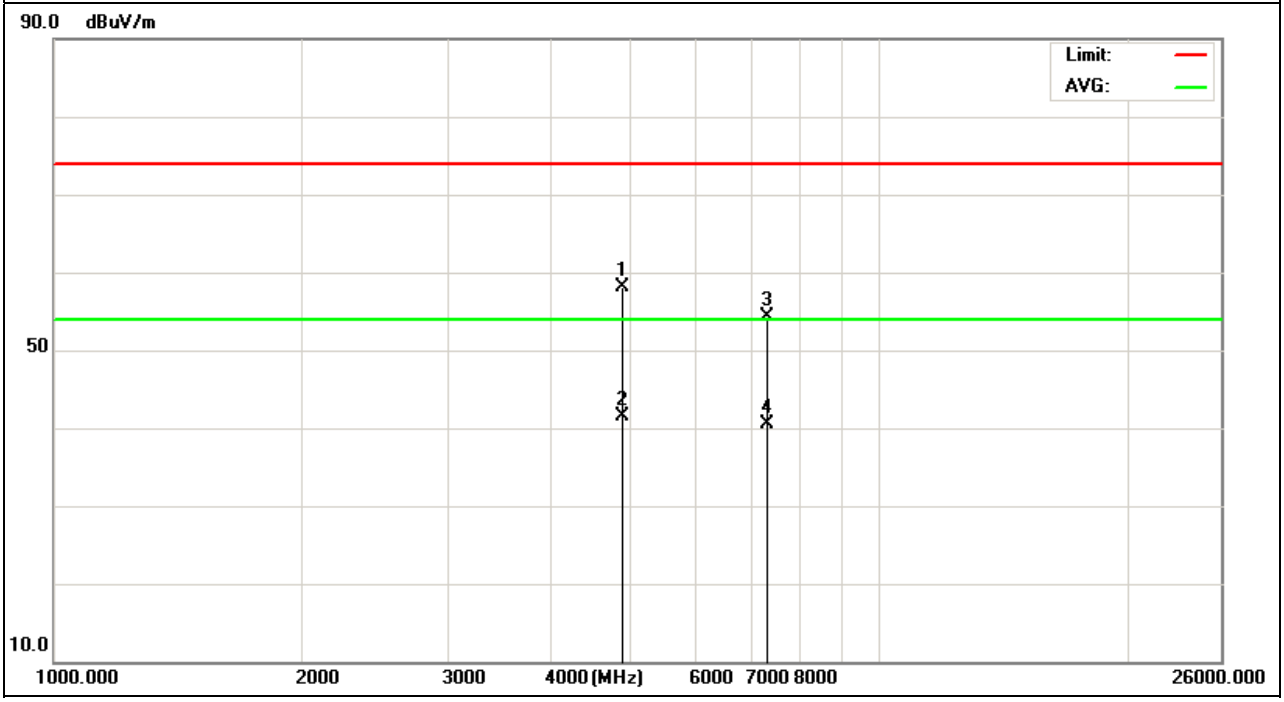
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT：	Tablet pc	Model Name ：	HX-M102
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1010 hPa	Test Voltage ：	By Battery
Test Mode ：	CH6 (802.11n Mode)	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4874.144	47.75	10.4	58.15	74	-15.85	peak
4874.144	31.17	10.4	41.57	54	-12.43	AVG
7311.015	41.62	12.75	54.37	74	-19.63	peak
7311.152	27.71	12.75	40.46	54	-13.54	AVG

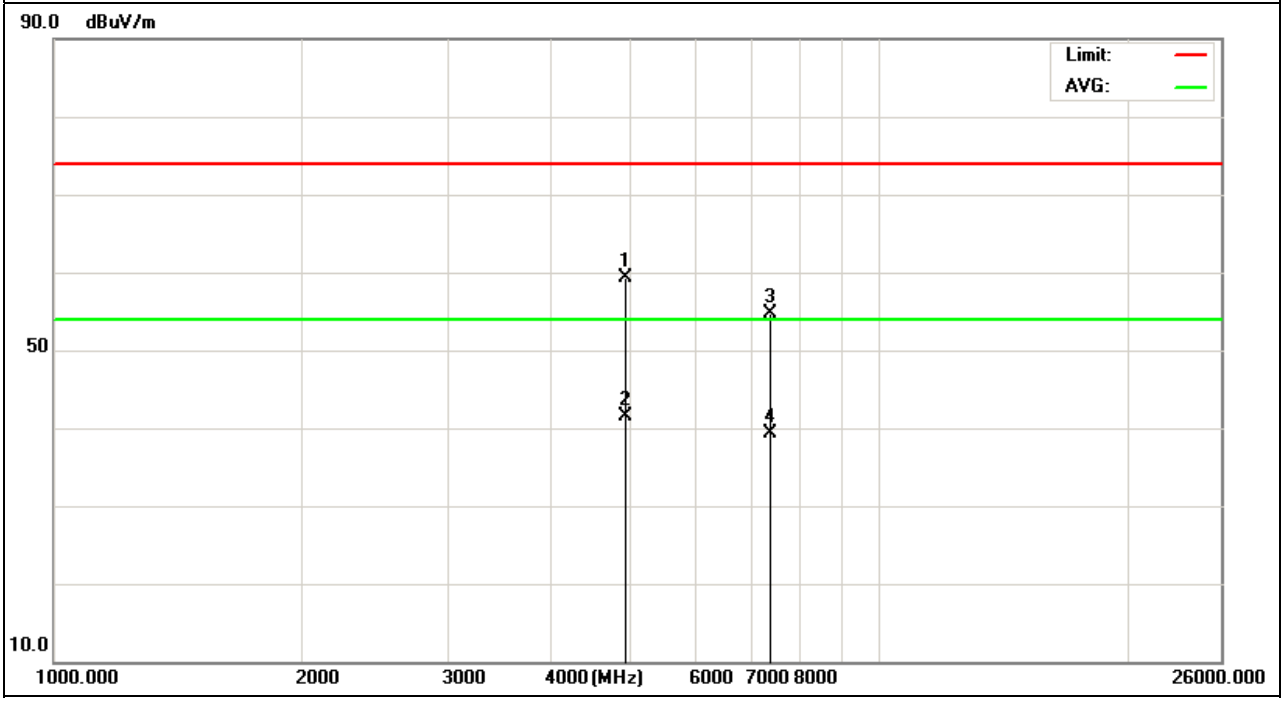
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT：	Tablet pc	Model Name ：	HX-M102
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1010 hPa	Test Voltage ：	By Battery
Test Mode ：	CH11 (802.11n Mode)	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4924.124	48.96	10.39	59.35	74	-14.65	peak
4924.124	31.08	10.39	41.47	54	-12.53	AVG
7386.163	42.01	12.68	54.69	74	-19.31	peak
7386.163	26.58	12.68	39.26	54	-14.74	AVG

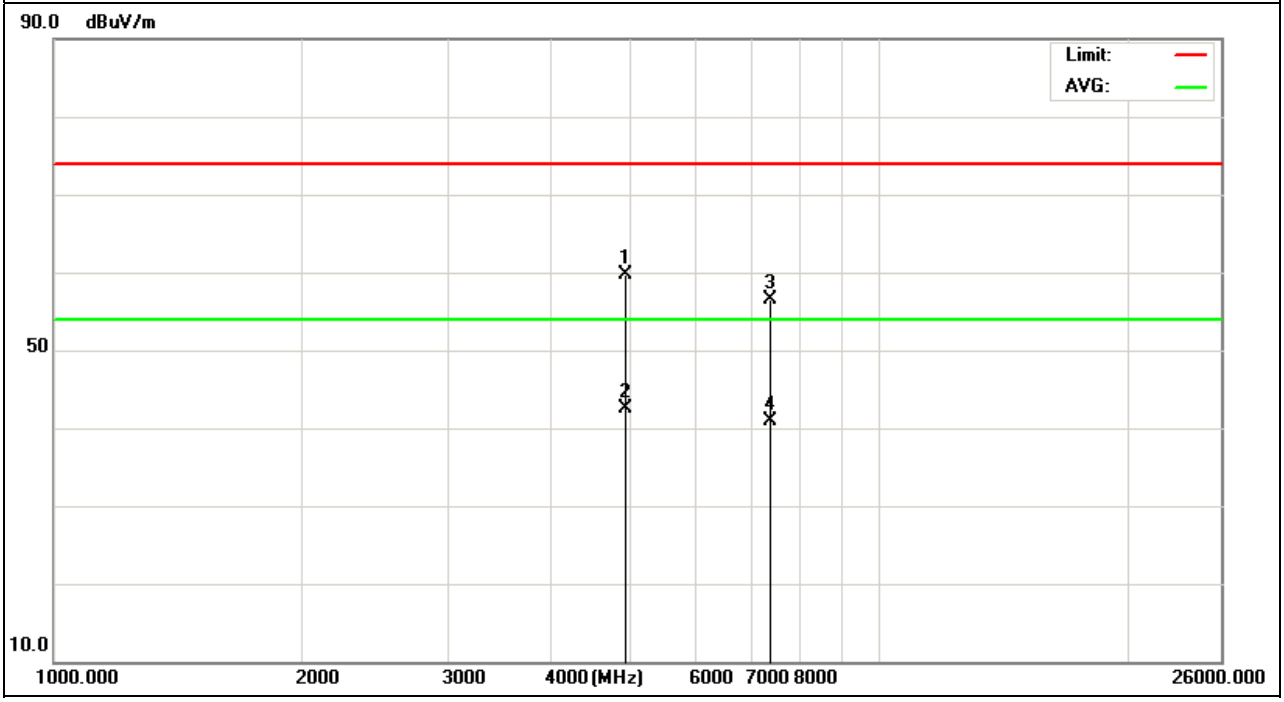
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT：	Tablet pc	Model Name ：	HX-M102
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1010 hPa	Test Voltage ：	By Battery
Test Mode ：	CH11 (802.11n Mode)	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4924.131	49.22	10.39	59.61	74	-14.39	peak
4924.131	32.16	10.39	42.55	54	-11.45	AVG
7386.157	43.8	12.68	56.48	74	-17.52	peak
7386.157	28.18	12.68	40.86	54	-13.14	AVG

Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.

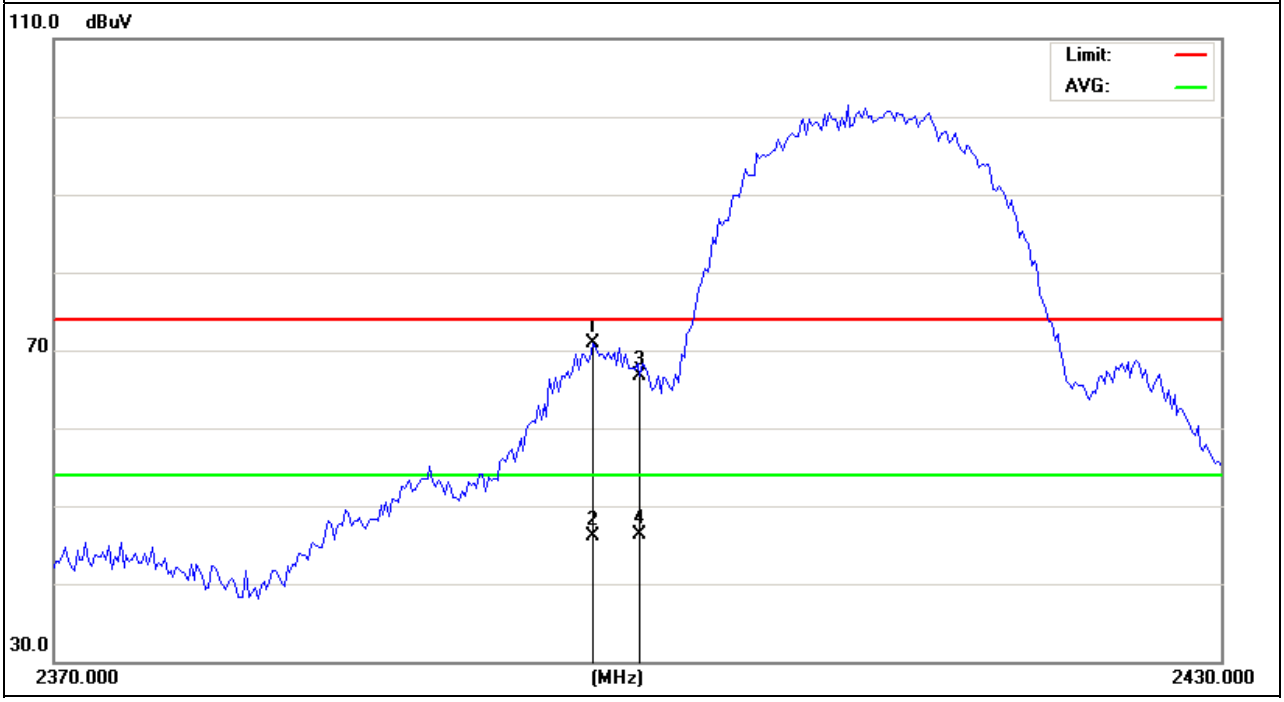


Band Edge Emission:

EUT：	Tablet pc	Model Name ：	HX-M102
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1010 hPa	Test Voltage ：	By Battery
Test Mode ：	CH1(802.11b Mode)	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
2397.6	84	-13	71	74	-3	peak
2397.6	59.18	-13	46.18	54	-7.82	AVG
2400	79.69	-12.99	66.7	74	-7.3	peak
2400	59.32	-12.99	46.33	54	-7.67	AVG

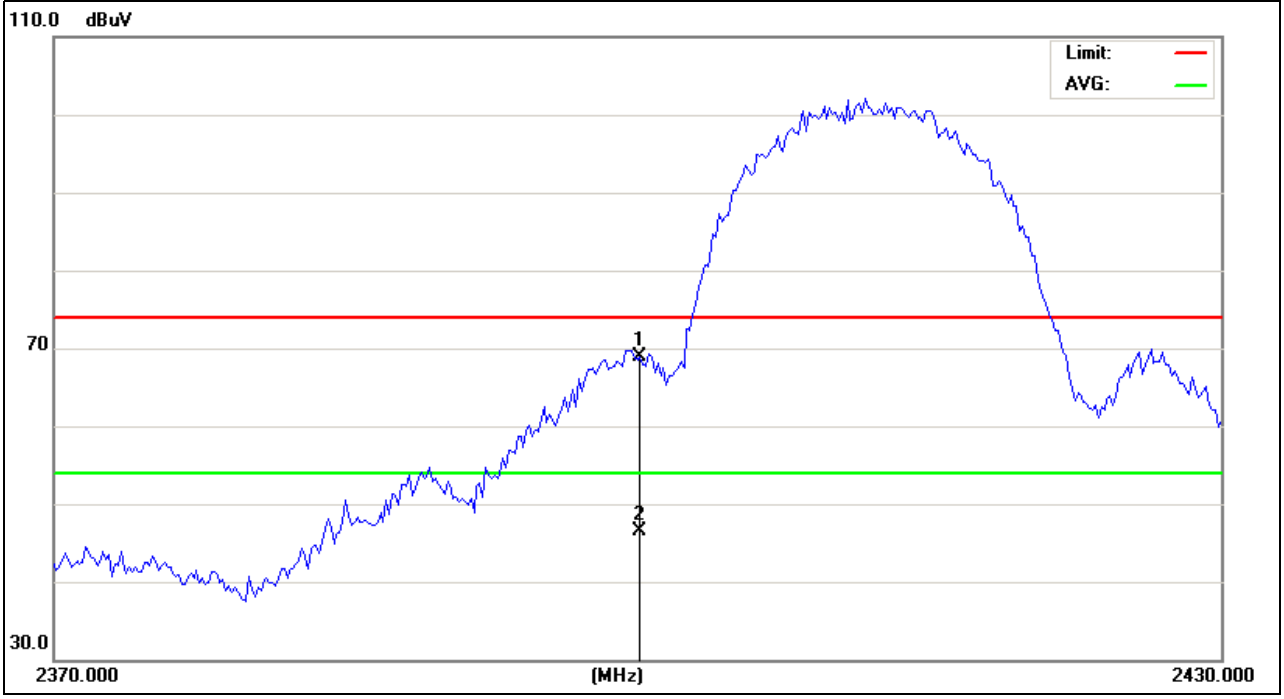
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT：	Tablet pc	Model Name ：	HX-M102
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1010 hPa	Test Voltage ：	By Battery
Test Mode ：	CH1(802.11b Mode)	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
2400	81.99	-12.99	69	74	-5	peak
2400	59.48	-12.99	46.49	54	-7.51	AVG

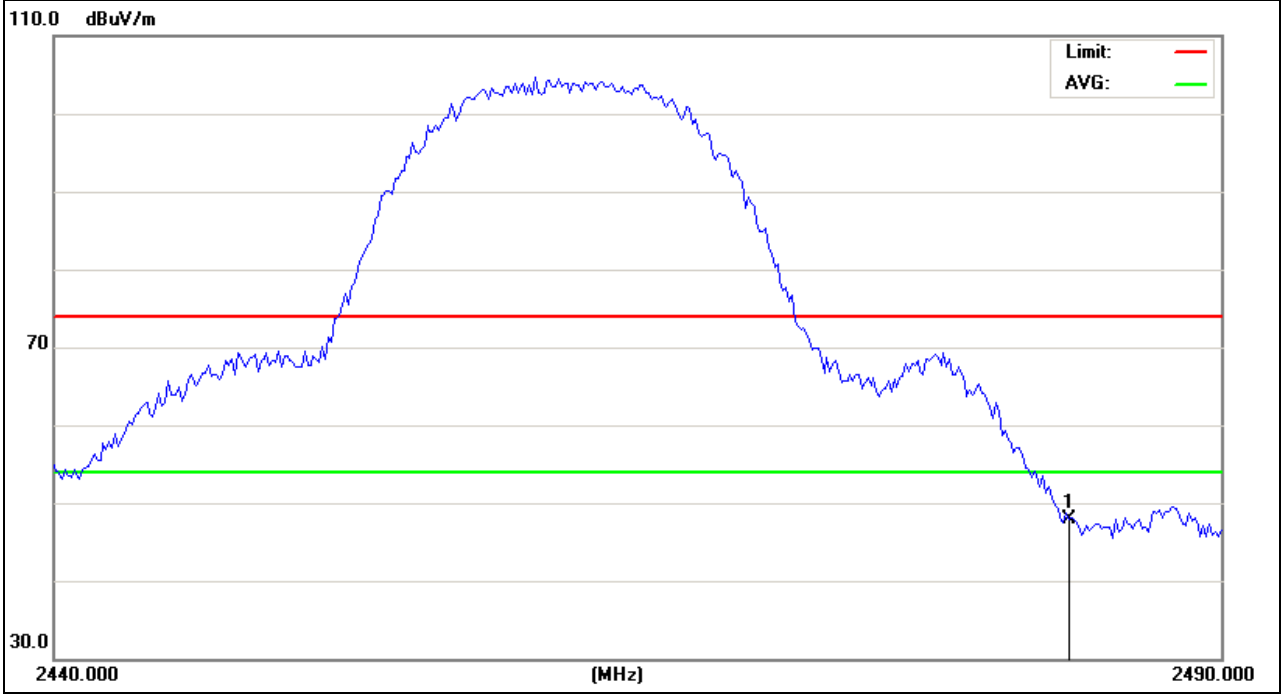
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT：	Tablet pc	Model Name ：	HX-M102
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1010 hPa	Test Voltage ：	By Battery
Test Mode ：	CH11(802.11b Mode)	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
2483.5	60.68	-12.78	47.9	74	-26.1	peak

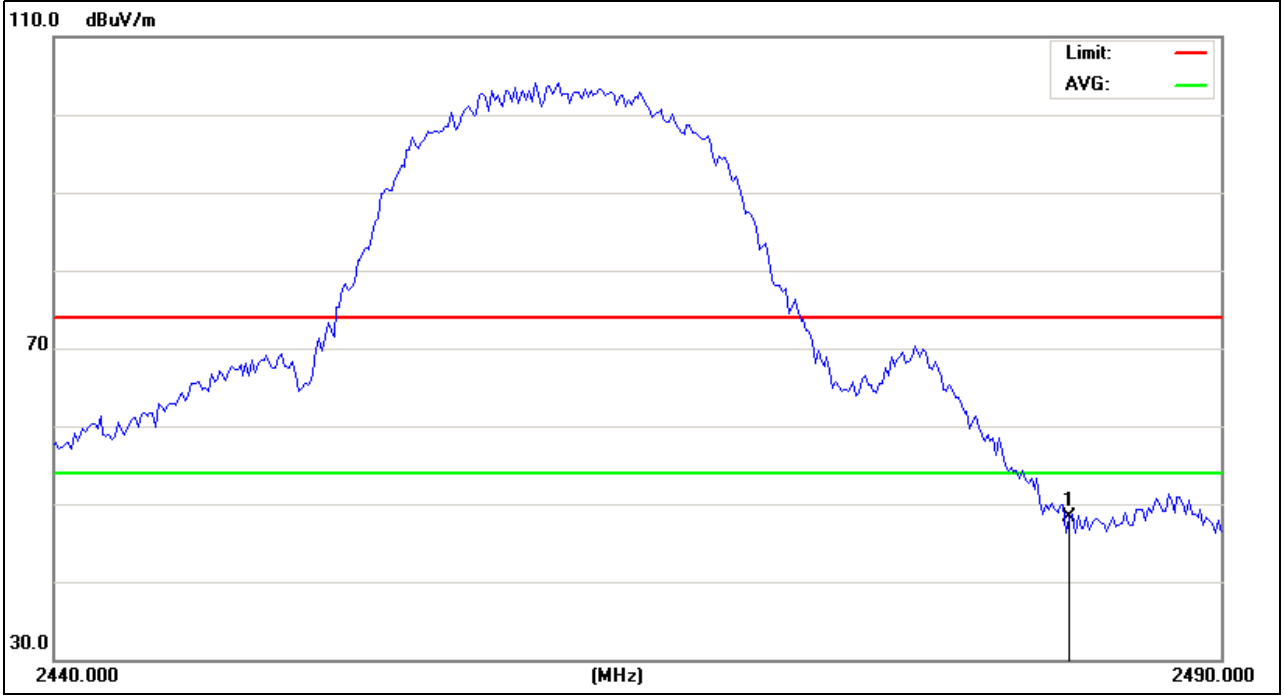
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT：	Tablet pc	Model Name ：	HX-M102
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1010 hPa	Test Voltage ：	By Battery
Test Mode ：	CH11(802.11b Mode)	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
2483.5	61.18	-12.78	48.4	74	-25.6	peak

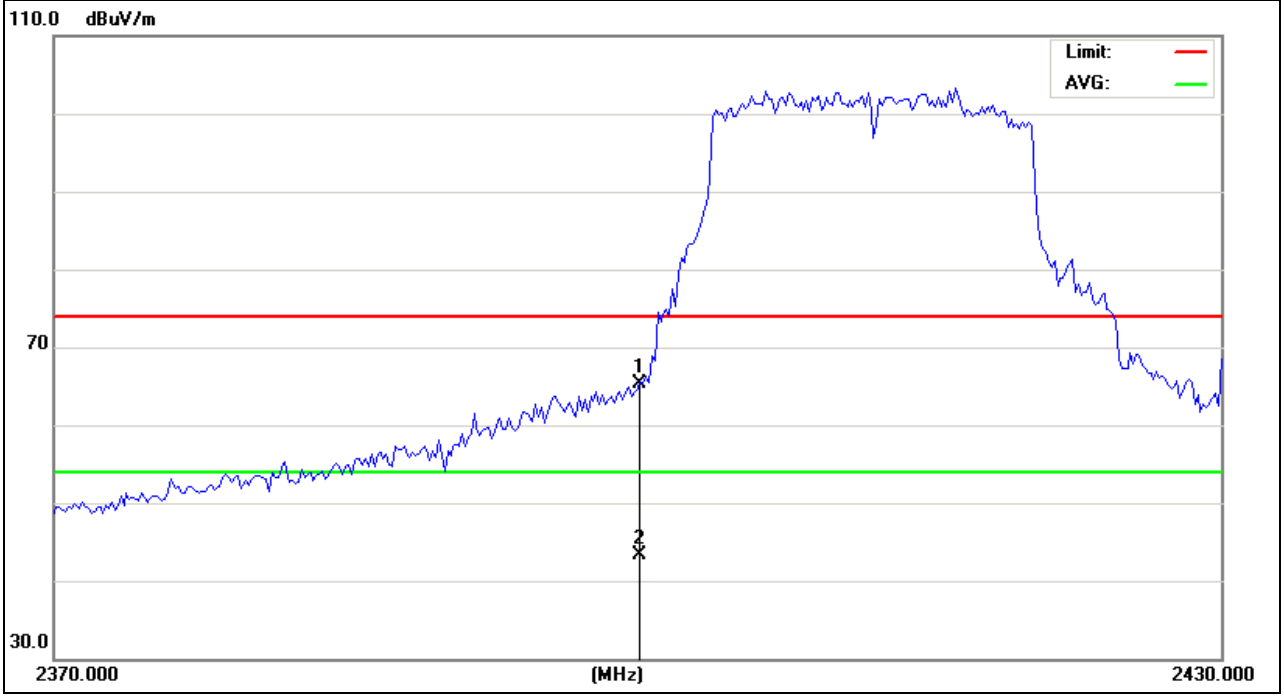
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT：	Tablet pc	Model Name ：	HX-M102
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1010 hPa	Test Voltage ：	By Battery
Test Mode ：	CH1(802.11g Mode)	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
2400	78.32	-12.99	65.33	74	-8.67	peak
2400	56.27	-12.99	43.28	54	-10.72	AVG

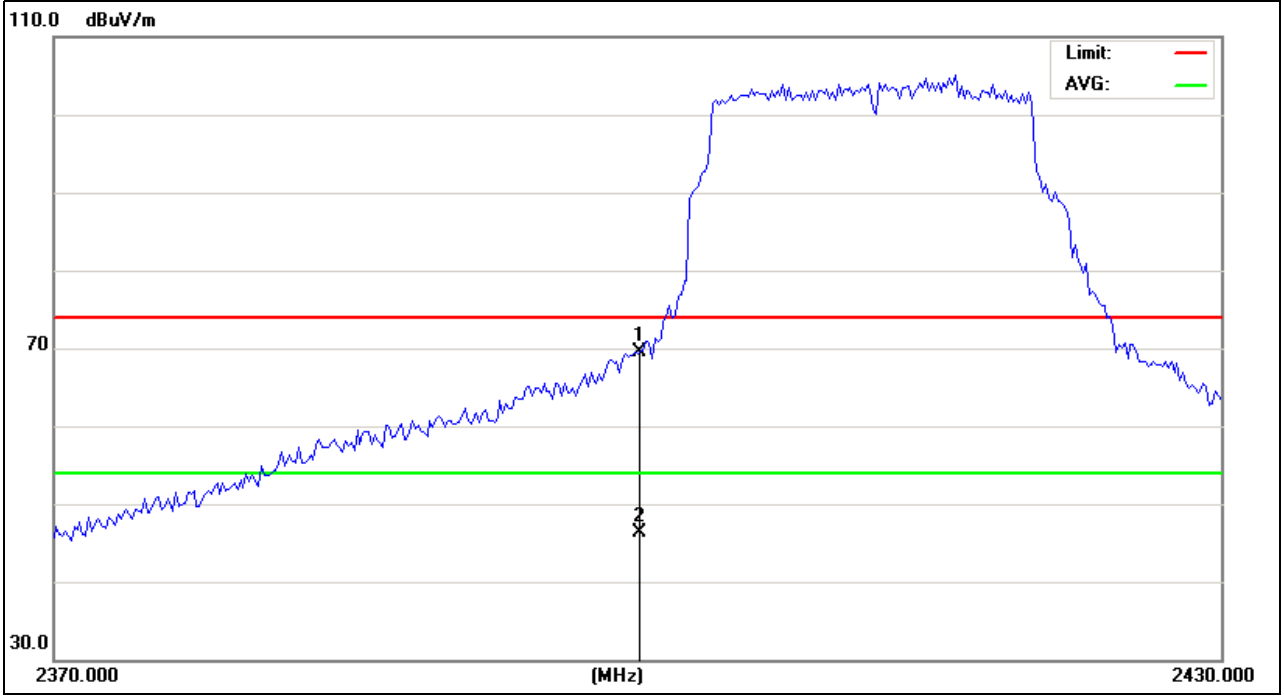
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT：	Tablet pc	Model Name ：	HX-M102
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1010 hPa	Test Voltage ：	By Battery
Test Mode ：	CH1(802.11gMode)	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
2400	82.59	-12.99	69.6	74	-4.4	peak
2400	59.37	-12.99	46.38	54	-7.62	AVG

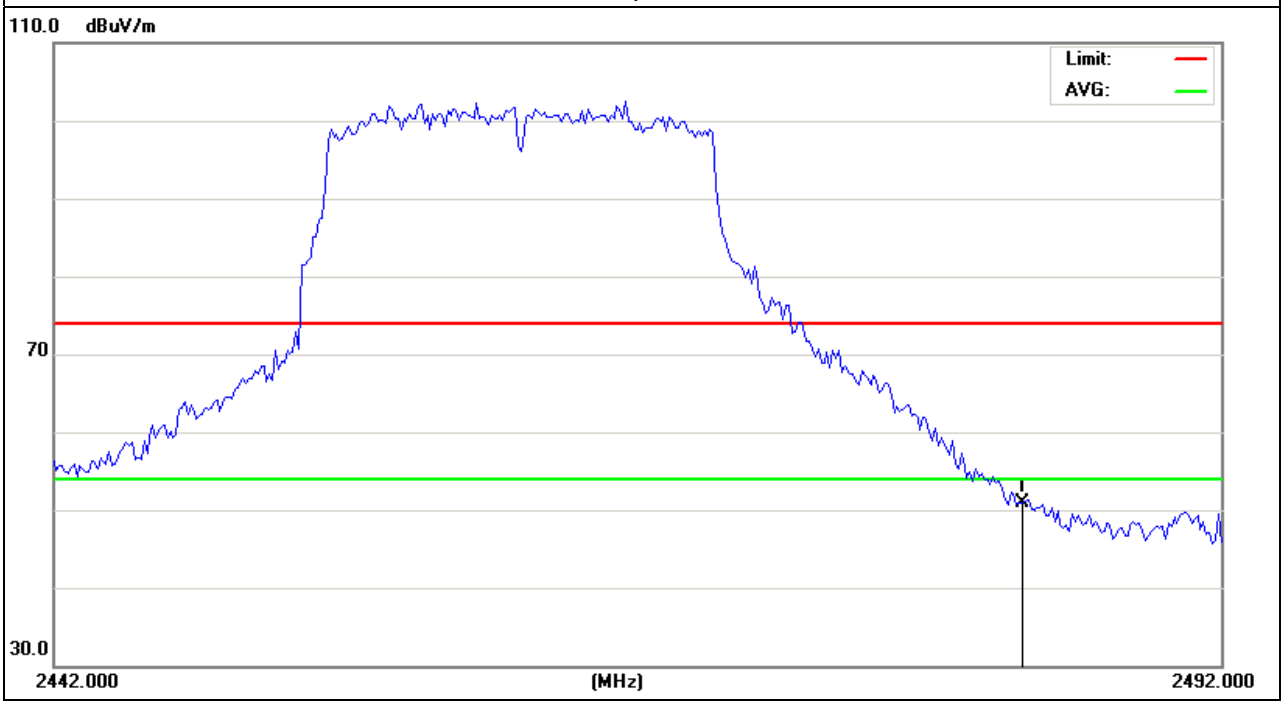
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT：	Tablet pc	Model Name ：	HX-M102
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1010 hPa	Test Voltage ：	By Battery
Test Mode ：	CH11(802.11g Mode)	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
2483.5	63.68	-12.78	50.9	74	-23.1	peak

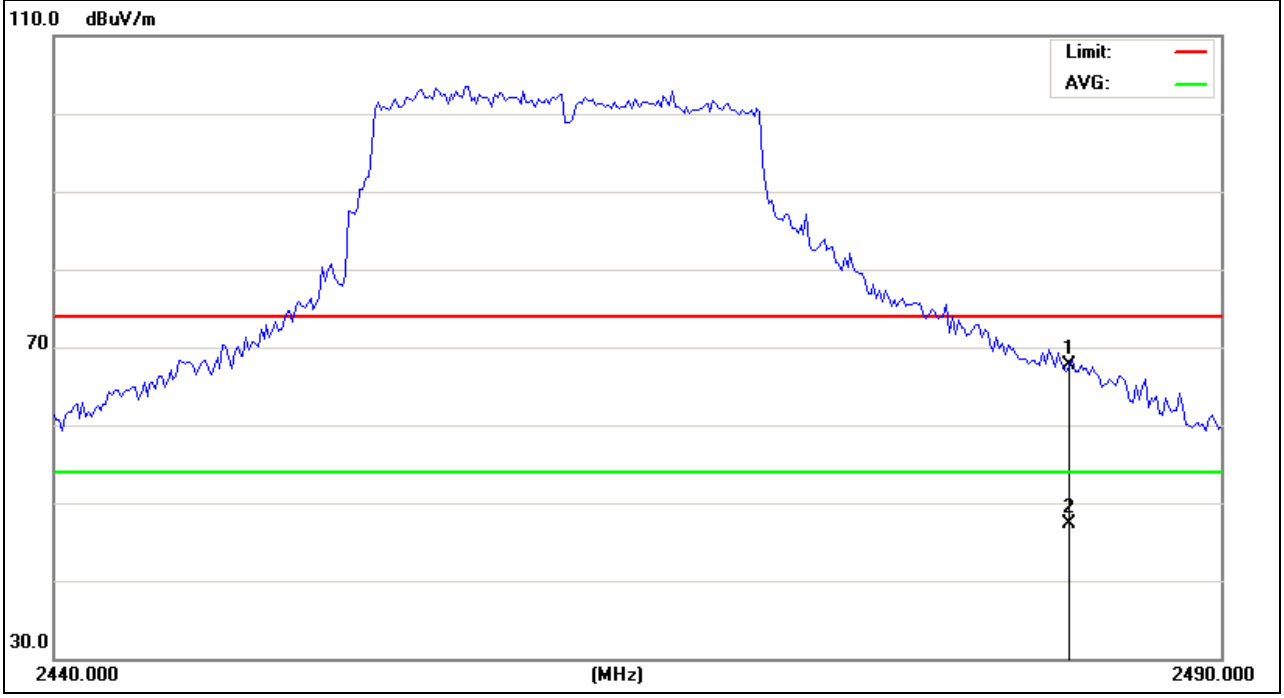
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT：	Tablet pc	Model Name ：	HX-M102
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1010 hPa	Test Voltage ：	By Battery
Test Mode ：	CH11(802.11g Mode)	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
2483.5	80.4	-12.78	67.62	74	-6.38	peak
2483.5	60.15	-12.78	47.37	54	-6.63	AVG

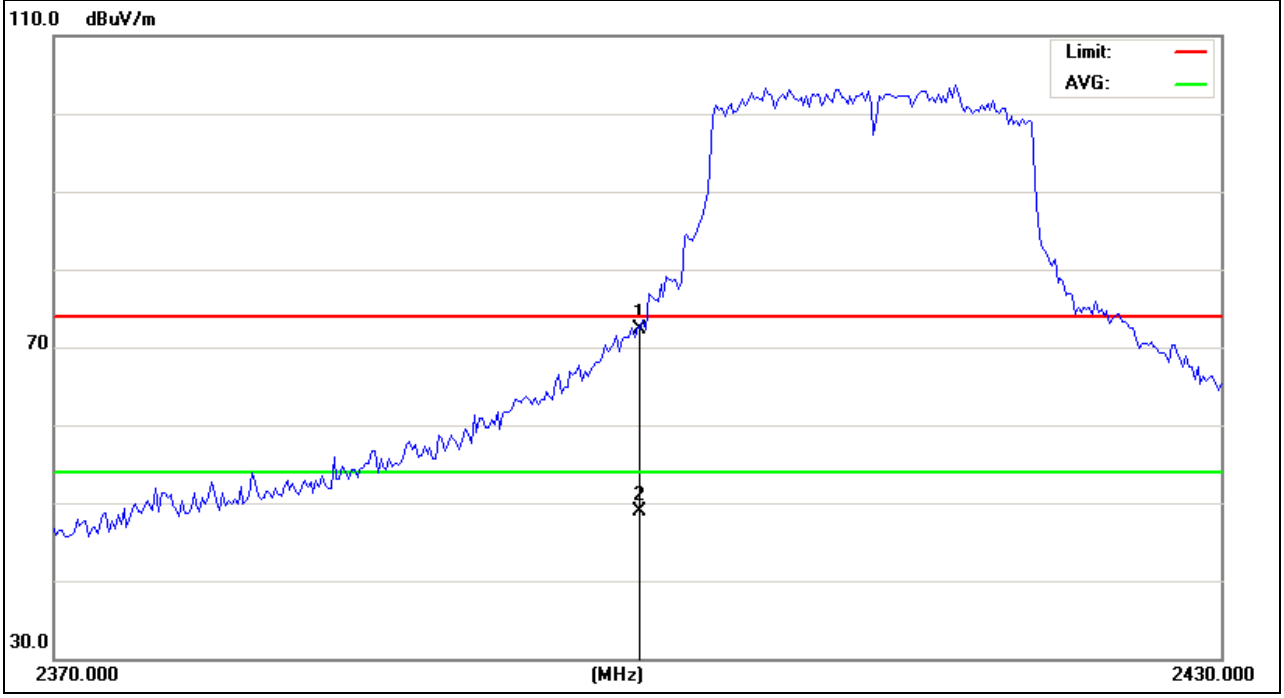
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT：	Tablet pc	Model Name ：	HX-M102
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1010 hPa	Test Voltage ：	By Battery
Test Mode ：	CH1(802.11n Mode)	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
2400	85.29	-12.99	72.3	74	-1.7	peak
2400	61.84	-12.99	48.85	54	-5.15	AVG

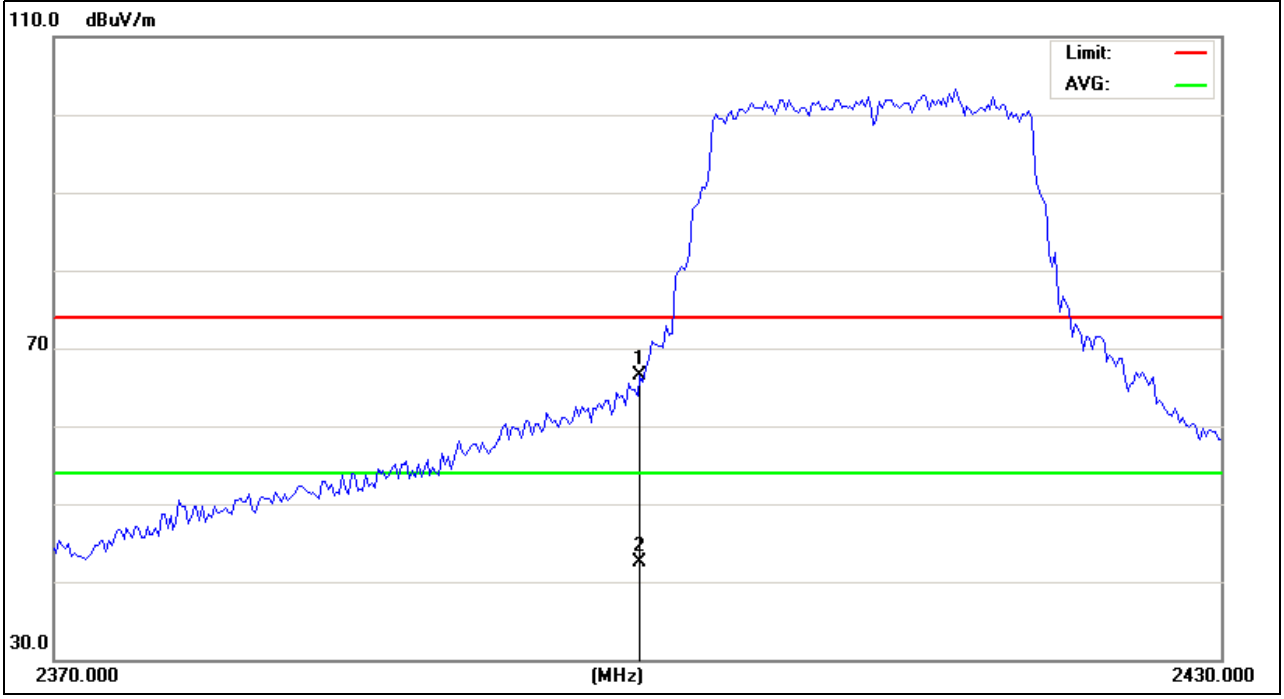
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT：	Tablet pc	Model Name ：	HX-M102
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1010 hPa	Test Voltage ：	By Battery
Test Mode ：	CH1(802.11n Mode)	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
2400	79.59	-12.99	66.6	74	-7.4	peak
2400	55.54	-12.99	42.55	54	-11.45	AVG

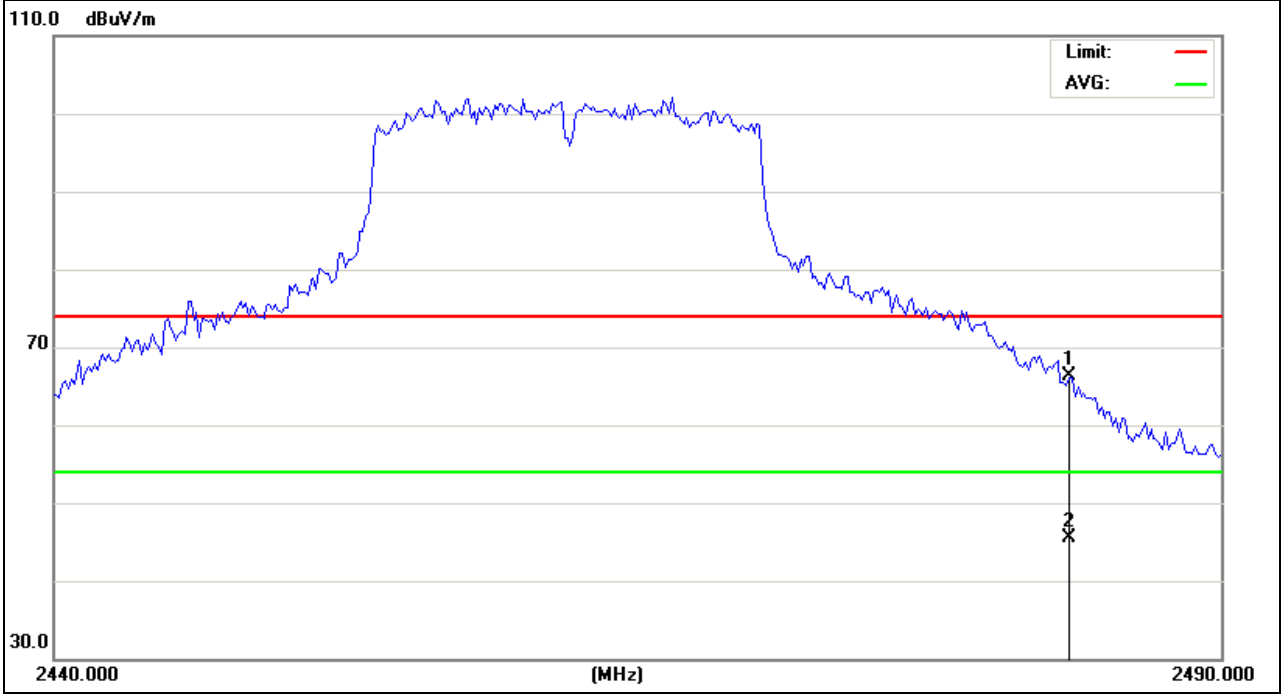
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT：	Tablet pc	Model Name ：	HX-M102
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1010 hPa	Test Voltage ：	By Battery
Test Mode ：	CH11(802.11n Mode)	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
2483.5	79.11	-12.78	66.33	74	-7.67	peak
2483.5	58.19	-12.78	45.41	54	-8.59	AVG

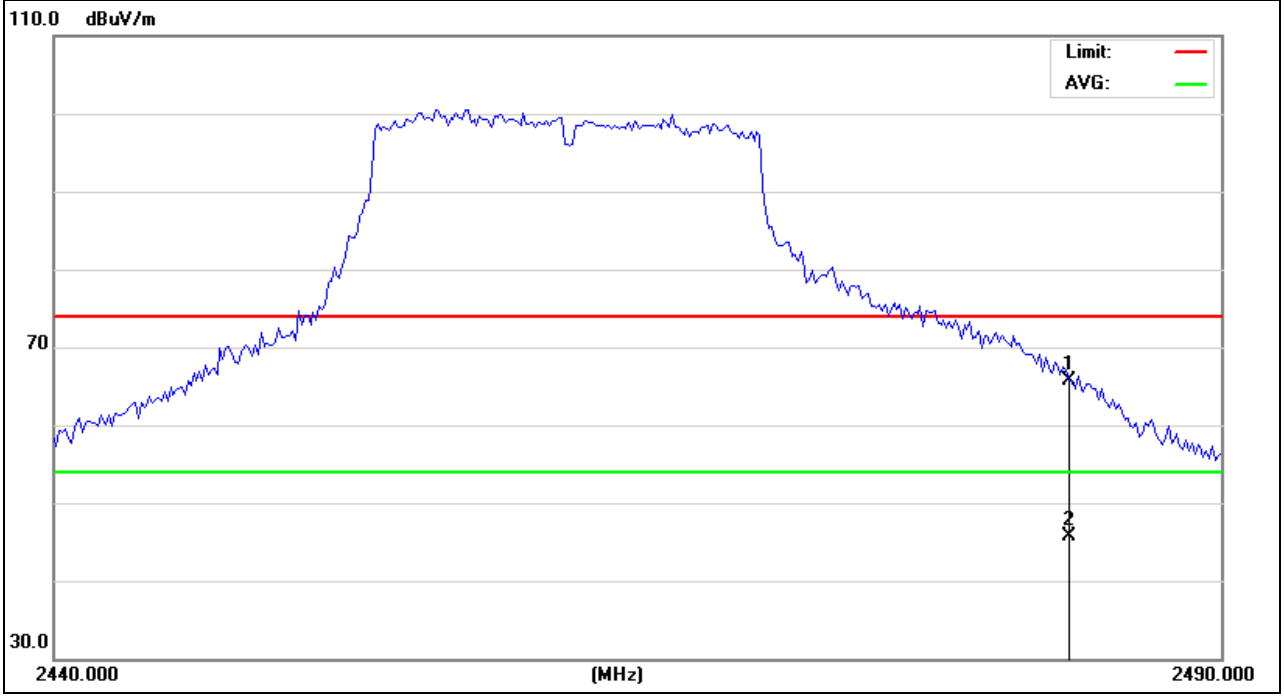
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT：	Tablet pc	Model Name ：	HX-M102
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1010 hPa	Test Voltage ：	By Battery
Test Mode ：	CH11(802.11n Mode)	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
2483.5	78.54	-12.78	65.76	74	-8.24	peak
2483.5	58.46	-12.78	45.68	54	-8.32	AVG

Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



4. POWER SPECTRAL DENSITY TEST

4.1 APPLIED PROCEDURES / LIMIT

FCC Part15 (15.247) , Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247	Power Spectral Density	8 dBm (in any 3KHz)	2400-2483.5	PASS

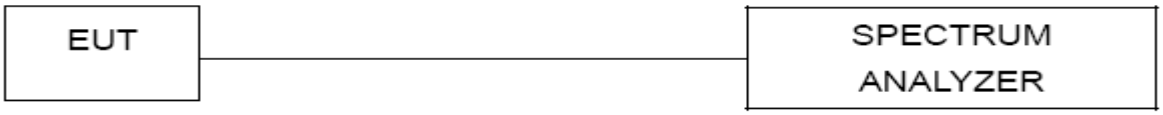
4.1.1 TEST PROCEDURE

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 kHz.
4. Set the VBW ≥ 3 x 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.

4.1.2 DEVIATION FROM STANDARD

No deviation.

4.1.3 TEST SETUP



4.1.4 EUT OPERATION CONDITIONS

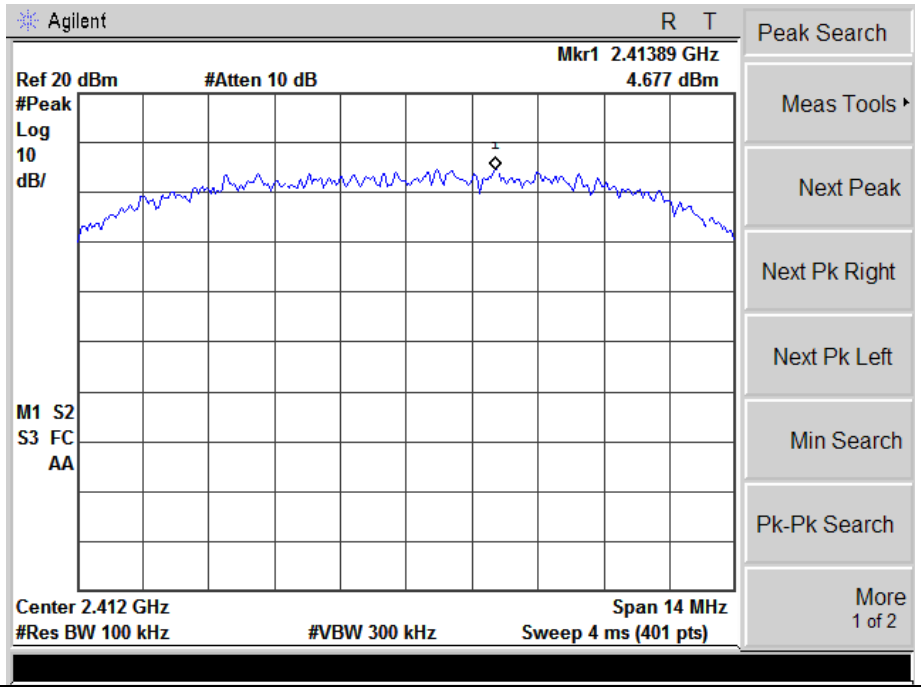
The EUT tested system was configured as the statements of 2.1 Unless otherwise a special operating condition is specified in the follows during the testing.

4.1.5 TEST RESULTS

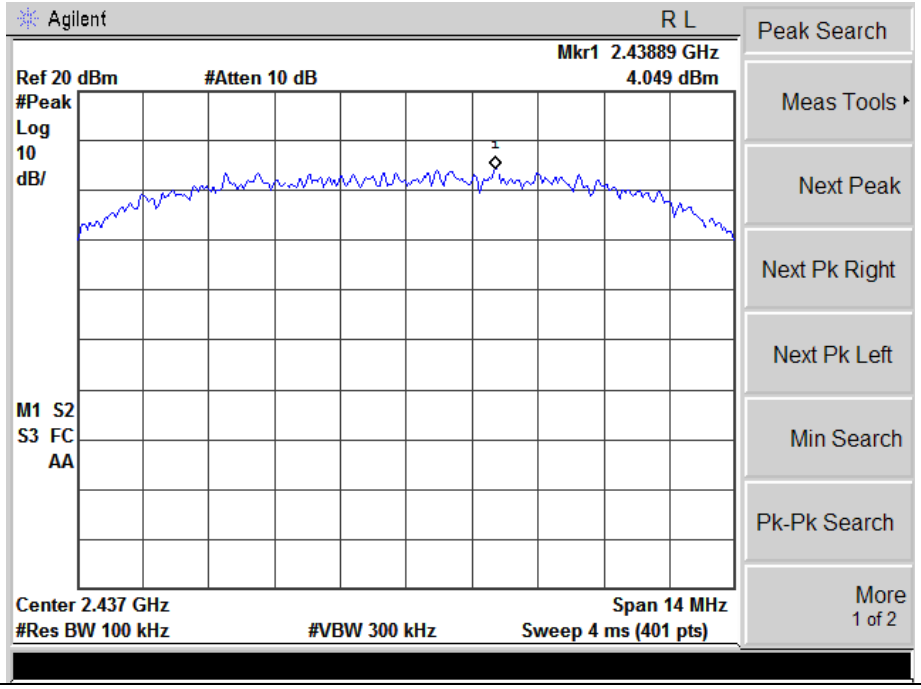
EUT：	Tablet pc	Model Name ：	HX-M102
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1015 hPa	Test Voltage ：	By Battery
Test Mode ：	TX b Mode /CH01, CH06, CH11		

Frequency	Power Density (dBm)	PSD/ 3KHz (dBm)	Limit (dBm)	Result
2412 MHz	4.68	-10.52	8	**PASS**
2437 MHz	4.05	-11.15	8	**PASS**
2462 MHz	3.47	-11.73	8	**PASS**

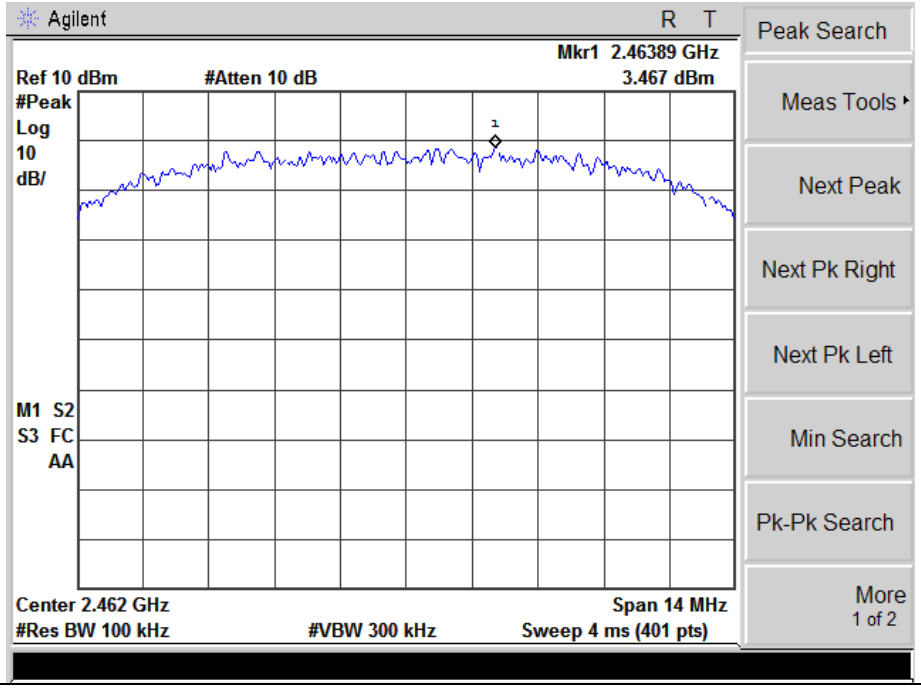
TX CH01



TX CH06



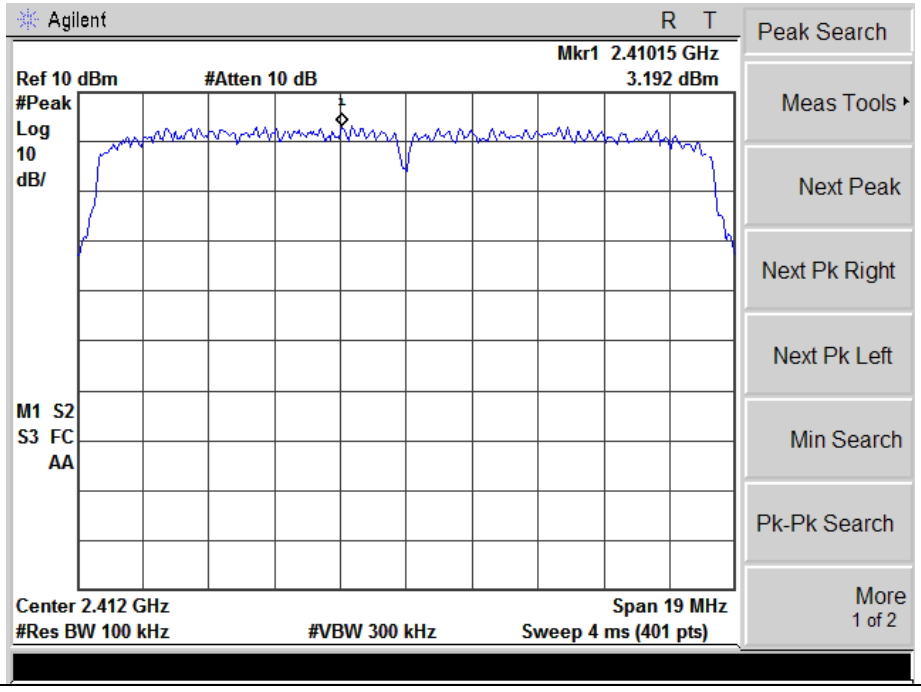
TX CH11



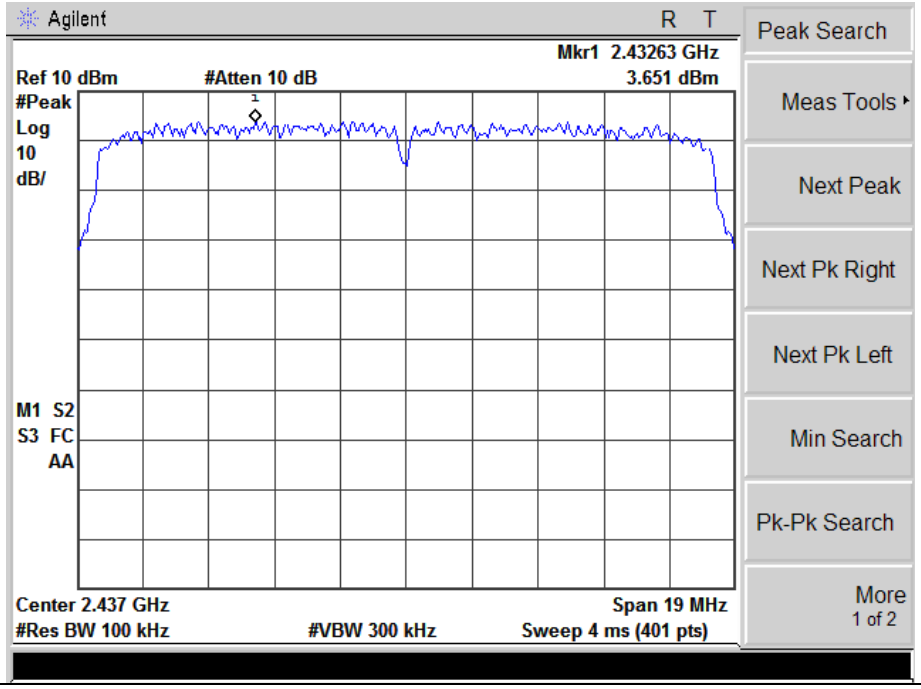
EUT：	Tablet pc	Model Name ：	HX-M102
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1015 hPa	Test Voltage ：	By Battery
Test Mode ：	TX g Mode /CH01, CH06, CH11		

Frequency	Power Density (dBm)	PSD/ 3KHz (dBm)	Limit (dBm)	Result
2412 MHz	3.19	-12.01	8	**PASS**
2437 MHz	3.65	-11.55	8	**PASS**
2462 MHz	3.19	-12.01	8	**PASS**

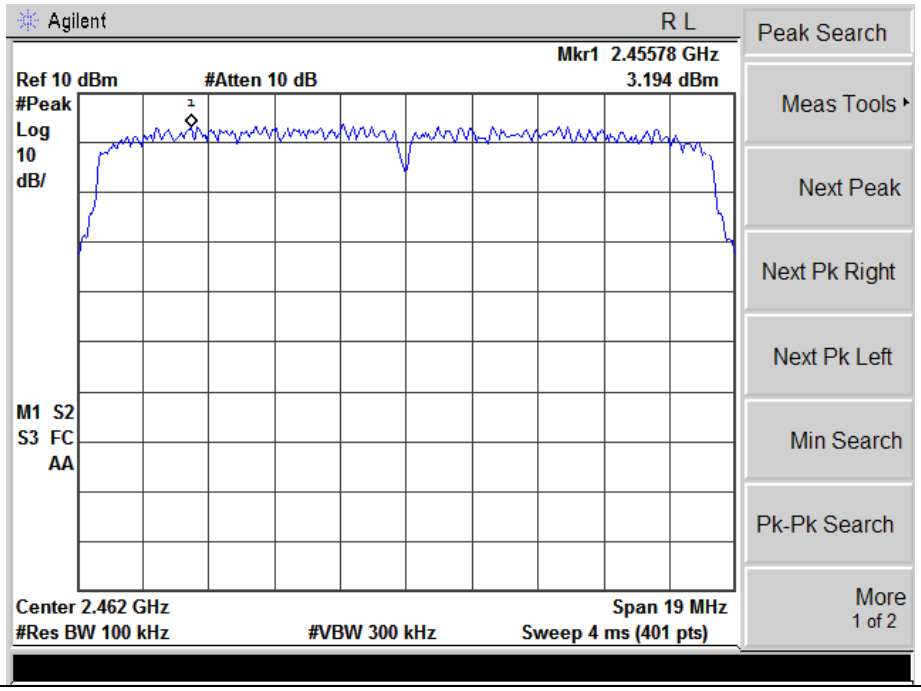
TX CH01



TX CH06



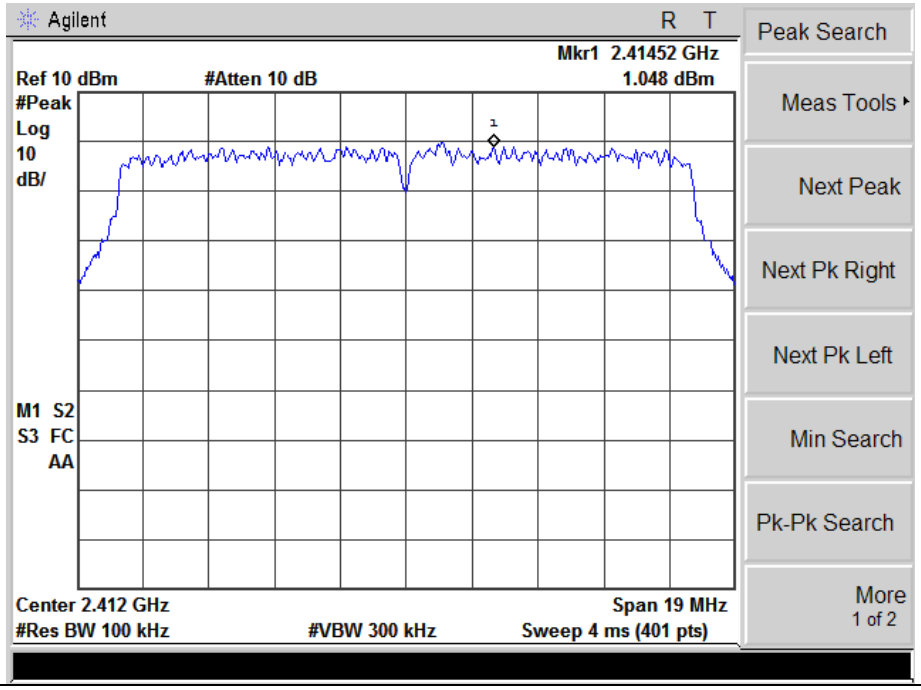
TX CH11



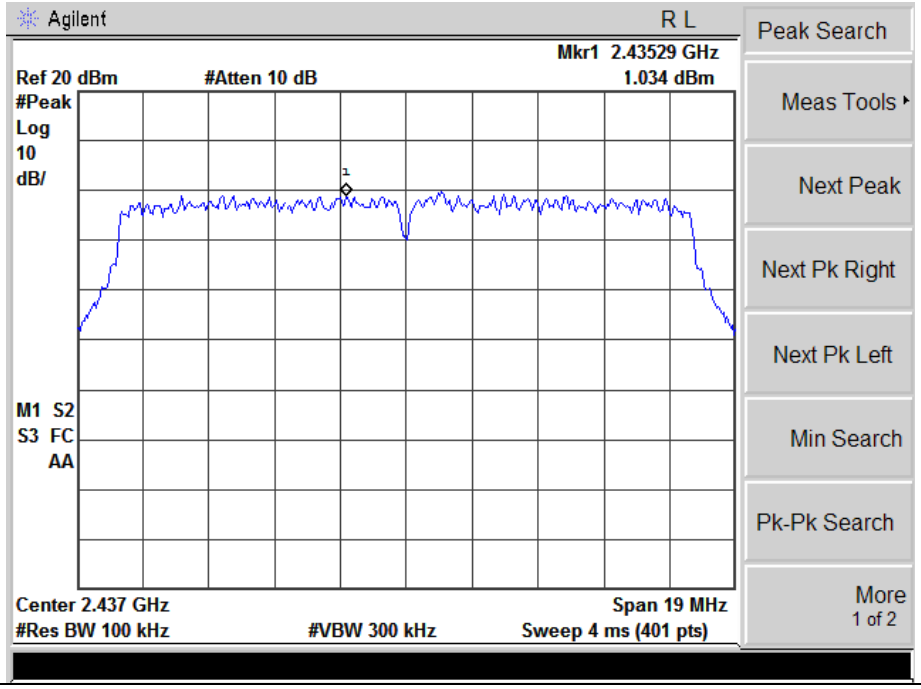
EUT：	Tablet pc	Model Name ：	HX-M102
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1015 hPa	Test Voltage ：	By Battery
Test Mode ：	TX n Mode /CH01, CH06, CH11		

Frequency	Power Density (dBm)	PSD/ 3KHz (dBm)	Limit (dBm)	Result
2412 MHz	1.05	-14.15	8	**PASS**
2437 MHz	1.03	-14.17	8	**PASS**
2462 MHz	1.03	-14.17	8	**PASS**

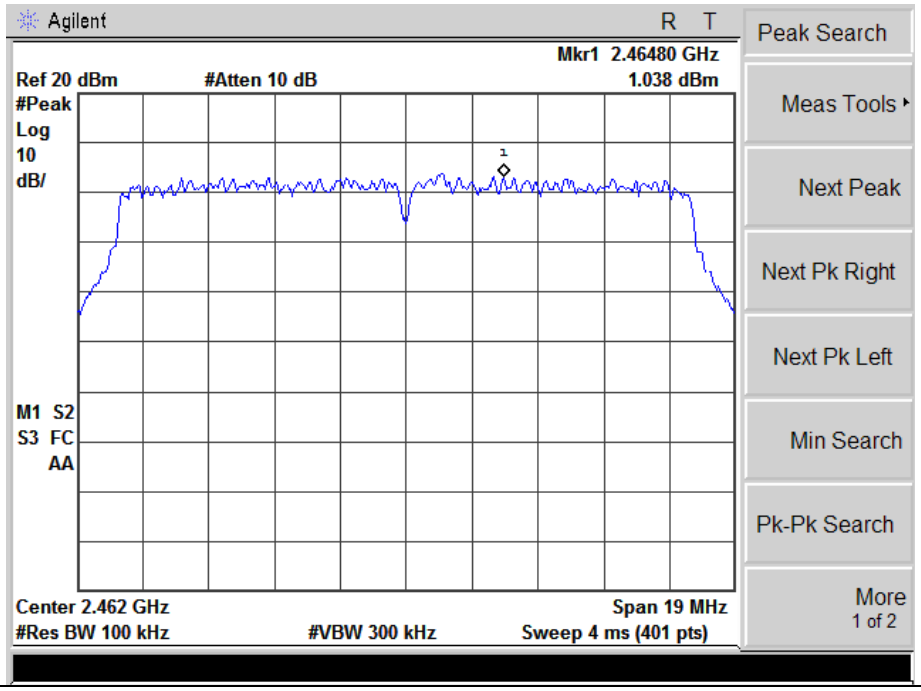
TX CH01



TX CH06



TX CH11



5. BANDWIDTH TEST

5.1 APPLIED PROCEDURES / LIMIT

FCC Part15 (15.247) , Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(a)(2)	Bandwidth	>= 500KHz (6dB bandwidth)	2400-2483.5	PASS

5.1.1 TEST PROCEDURE

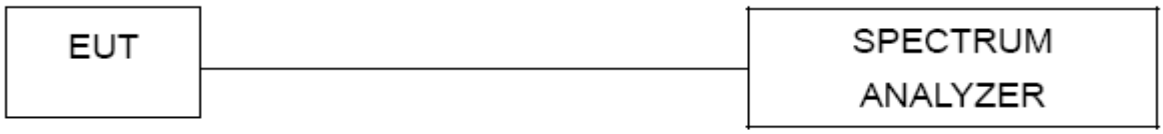
a.

1. Set RBW= 100 kHz.
2. Set the video bandwidth (VBW) ≥ 3 x 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.

5.1.2 DEVIATION FROM STANDARD

No deviation.

5.1.3 TEST SETUP



5.1.4 EUT OPERATION CONDITIONS

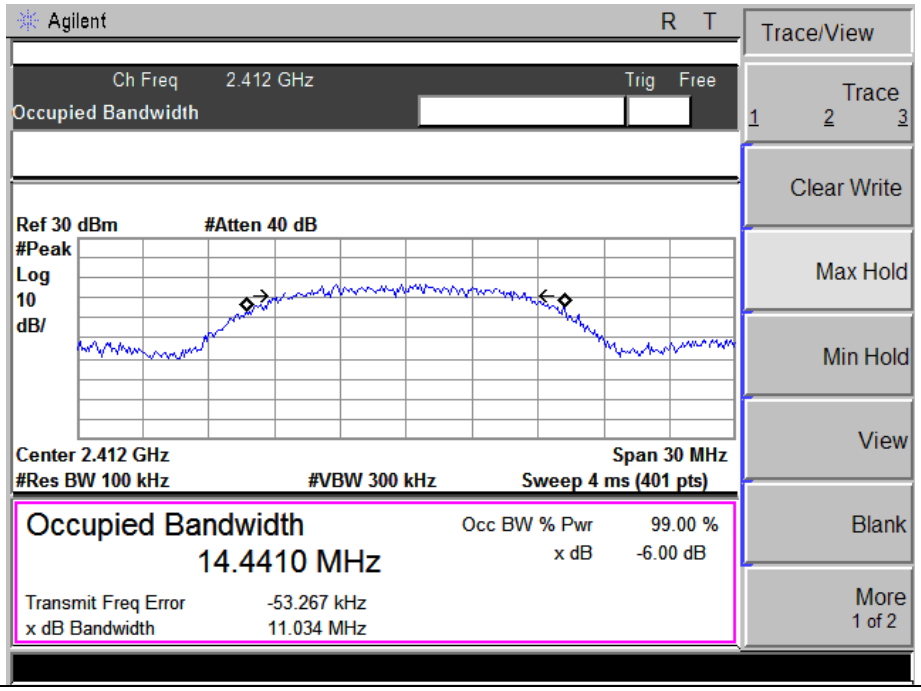
The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

5.1.5 TEST RESULTS

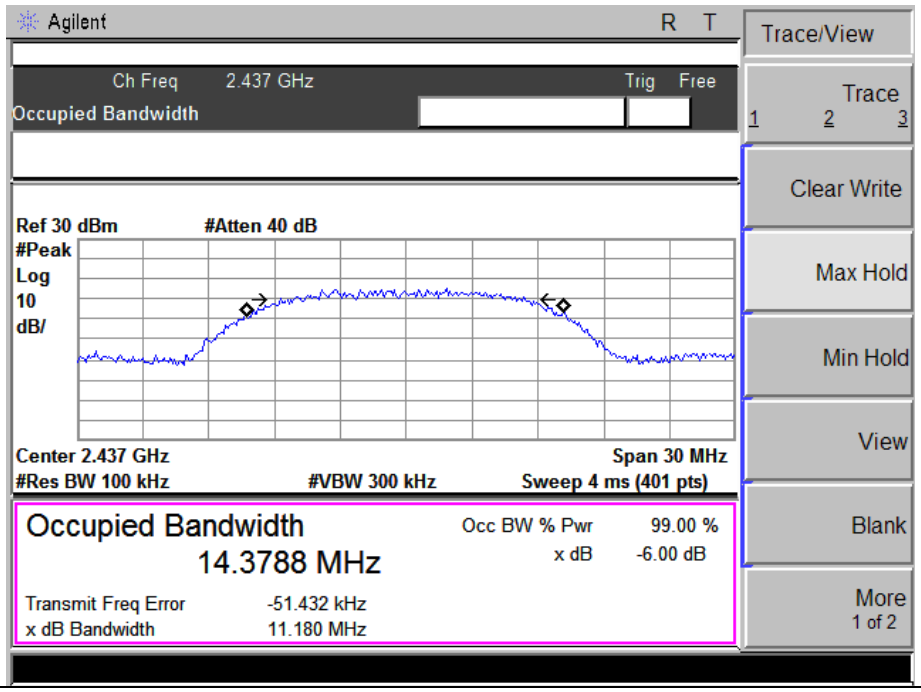
EUT：	Tablet pc	Model Name ：	HX-M102
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1012 hPa	Test Voltage ：	By Battery
Test Mode ：	TX b Mode /CH01, CH06, CH11		

Channel	Frequency (MHz)	6dB bandwidth (MHz)	Limit (kHz)	Result
Low	2412	11.03	500	Pass
Middle	2437	11.18	500	Pass
High	2462	11.09	500	Pass

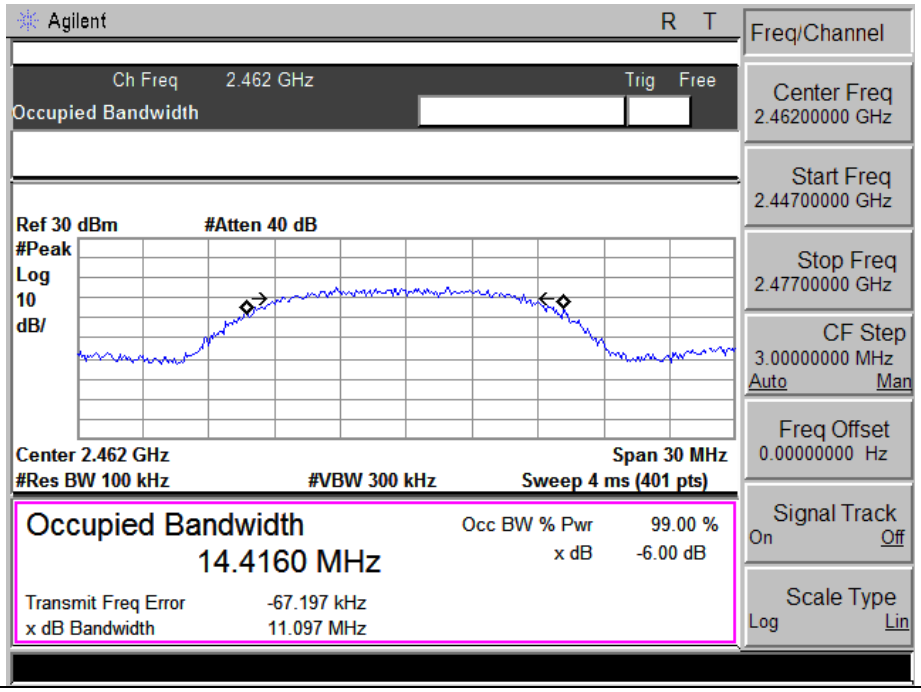
TX CH 01



TX CH 06



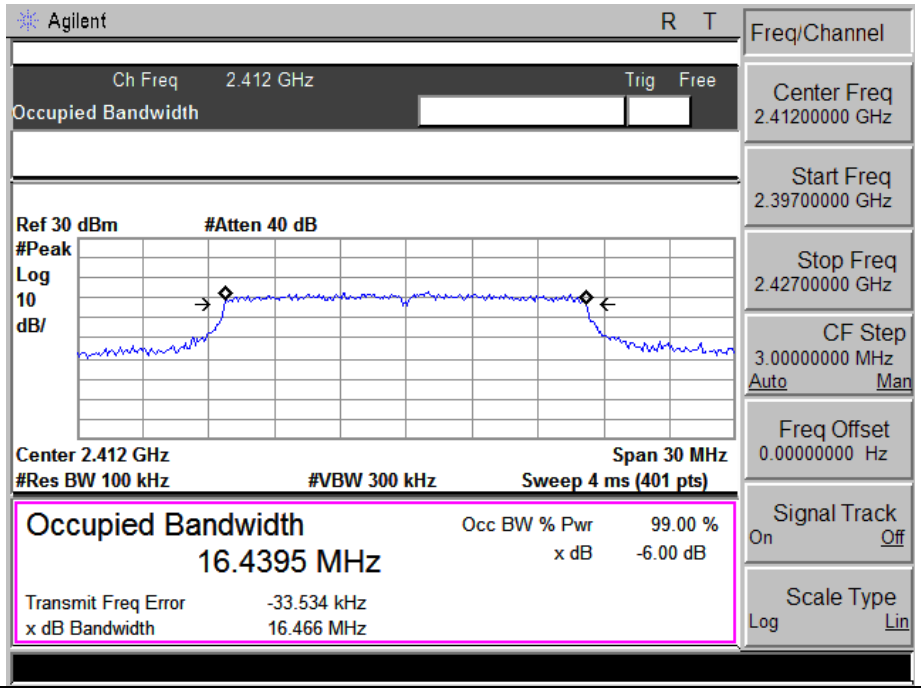
TX CH 11



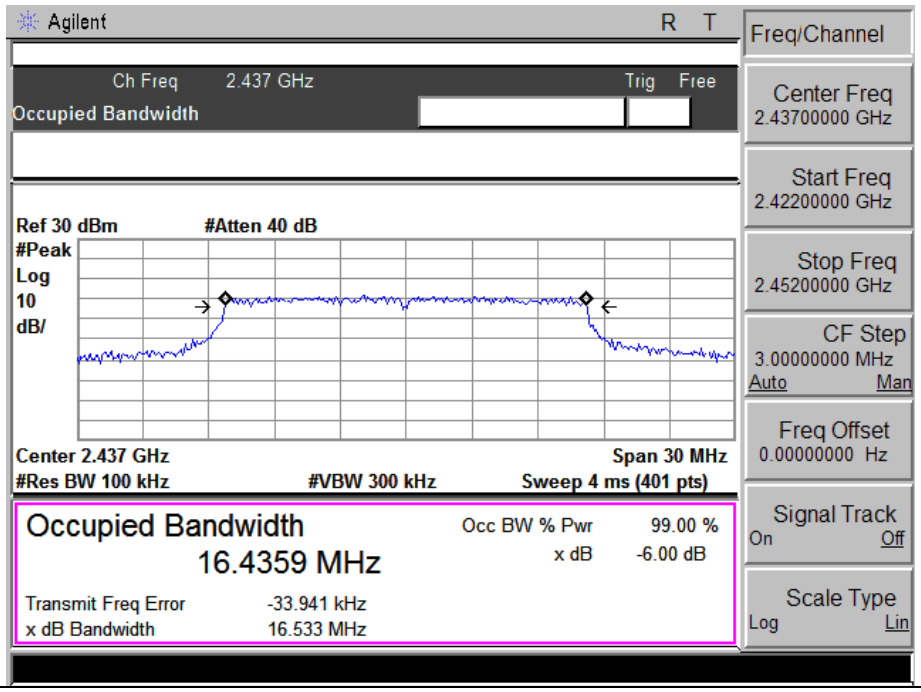
EUT：	Tablet pc	Model Name ：	HX-M102
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1012 hPa	Test Voltage ：	By Battery
Test Mode ：	TX g Mode /CH01, CH06, CH11		

Channel	Frequency (MHz)	6dB bandwidth (MHz)	Limit (kHz)	Result
Low	2412	16.46	500	Pass
Middle	2437	16.53	500	Pass
High	2462	16.49	500	Pass

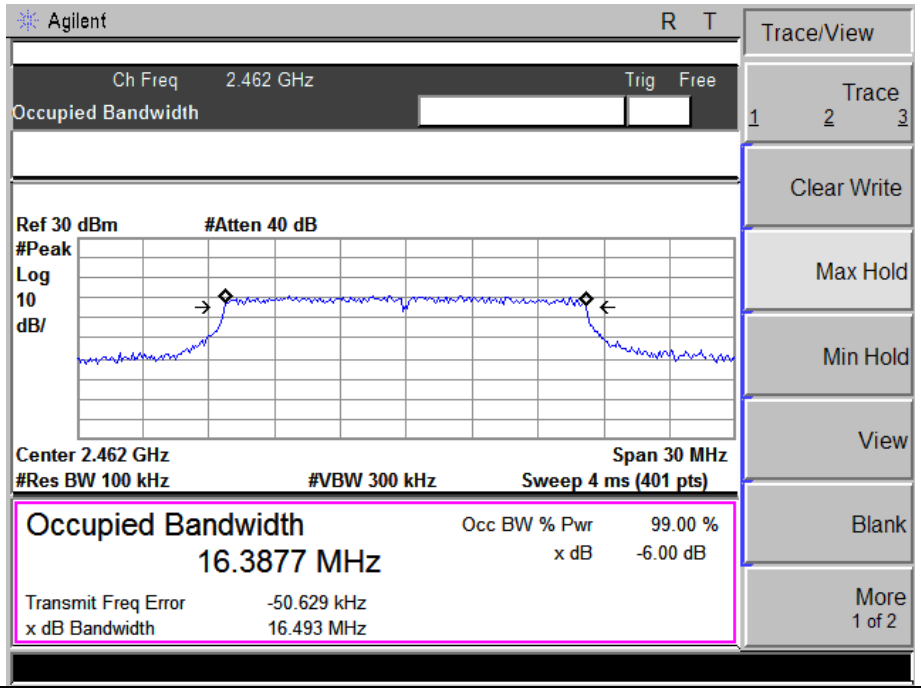
TX CH 01



TX CH 06



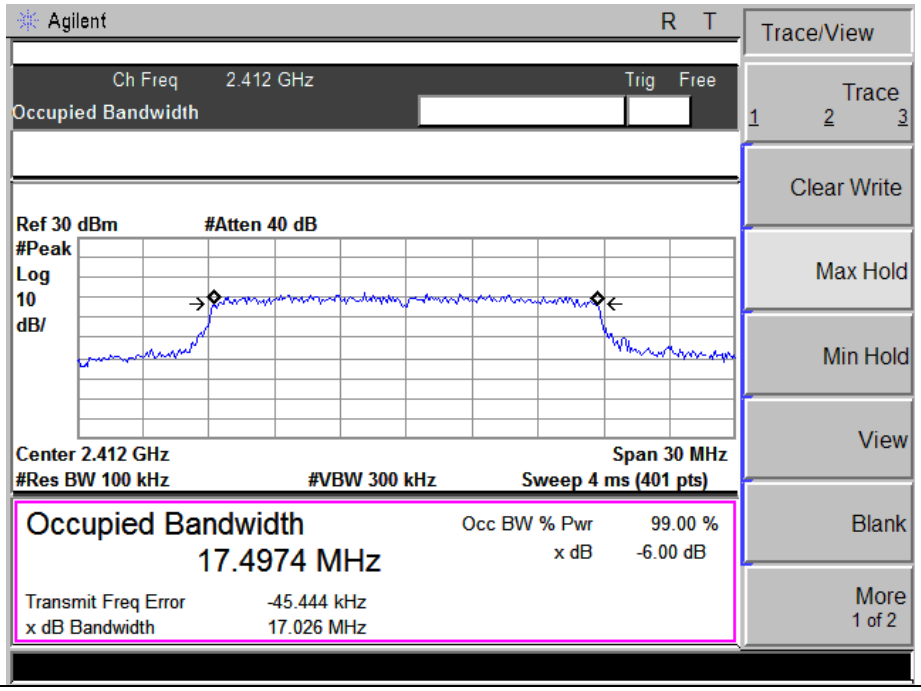
TX CH 11



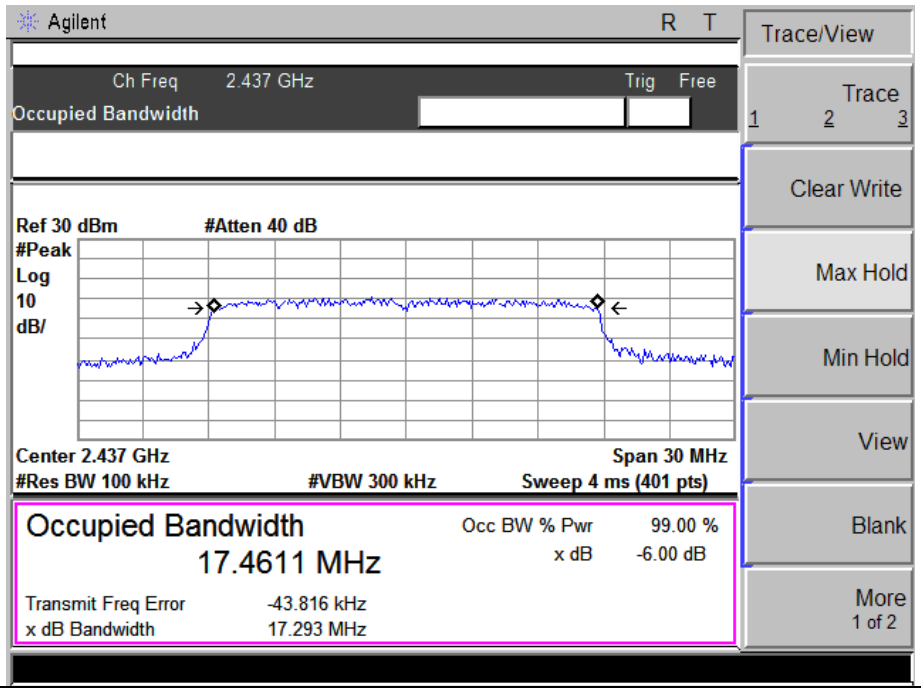
EUT：	Tablet pc	Model Name ：	HX-M102
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1012 hPa	Test Voltage ：	By Battery
Test Mode ：	TX n Mode /CH01, CH06, CH11		

Channel	Frequency (MHz)	6dB bandwidth (MHz)	Limit (kHz)	Result
Low	2412	17.02	500	Pass
Middle	2437	17.29	500	Pass
High	2462	17.58	500	Pass

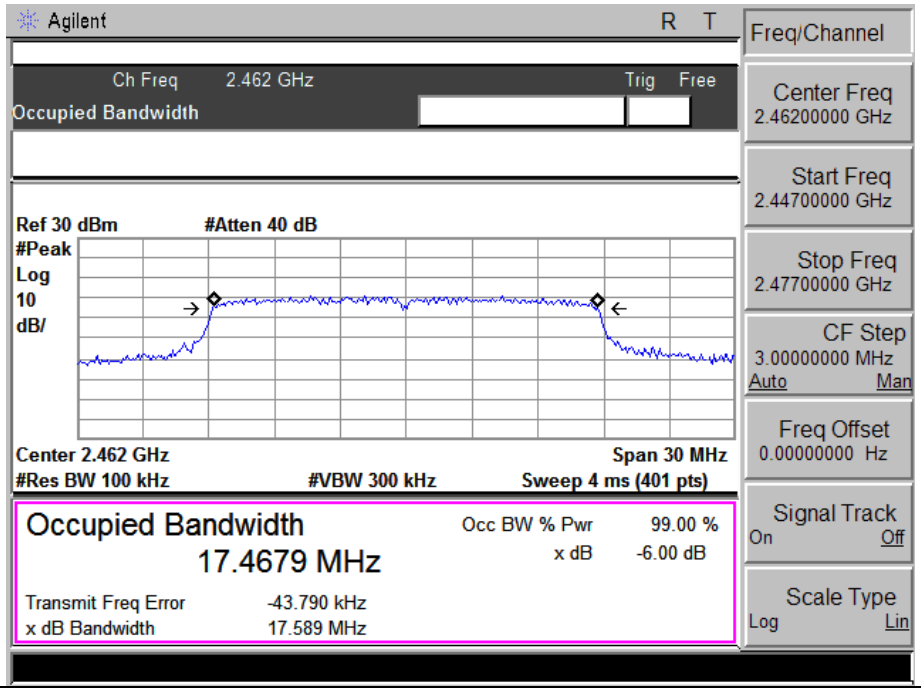
TX CH 01



TX CH 06



TX CH 11



6. PEAK OUTPUT POWER TEST

6.1 APPLIED PROCEDURES / LIMIT

FCC Part15 (15.247) , Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(b)(3)	Peak Output Power	1 watt or 30dBm	2400-2483.5	PASS

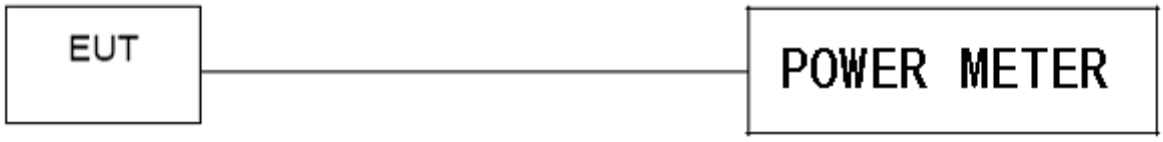
6.1.1 TEST PROCEDURE

a. The EUT was directly connected to the Power meter

6.1.2 DEVIATION FROM STANDARD

No deviation.

6.1.3 TEST SETUP



6.1.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

6.1.5 TEST RESULTS

EUT：	Tablet pc	Model Name ：	HX-M102
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1012 hPa	Test Voltage ：	By Battery
Test Mode ：	TX b/g/n Mode /CH01, CH06, CH11		

TX 802.11b Mode			
Test Channe	Frequency (MHz)	Peak output power. Antenna port (dBm)	LIMIT dBm
CH01	2412	8.24	30
CH06	2437	8.01	30
CH11	2462	8.12	30
TX 802.11g Mode			
CH01	2412	6.23	30
CH06	2437	6.28	30
CH11	2462	6.31	30
TX 802.11n Mode			
CH01	2412	5.12	30
CH06	2437	5.31	30
CH11	2462	5.14	30

7. ANTENNA REQUIREMENT

7.1 STANDARD REQUIREMENT

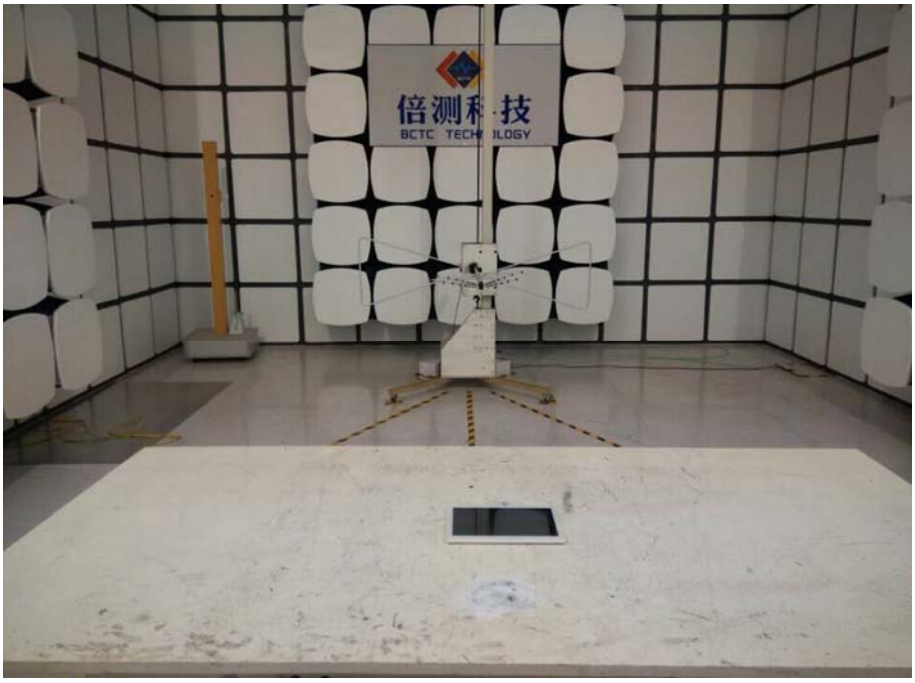
15.203 requirement: For intentional device, according to 15.203: an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

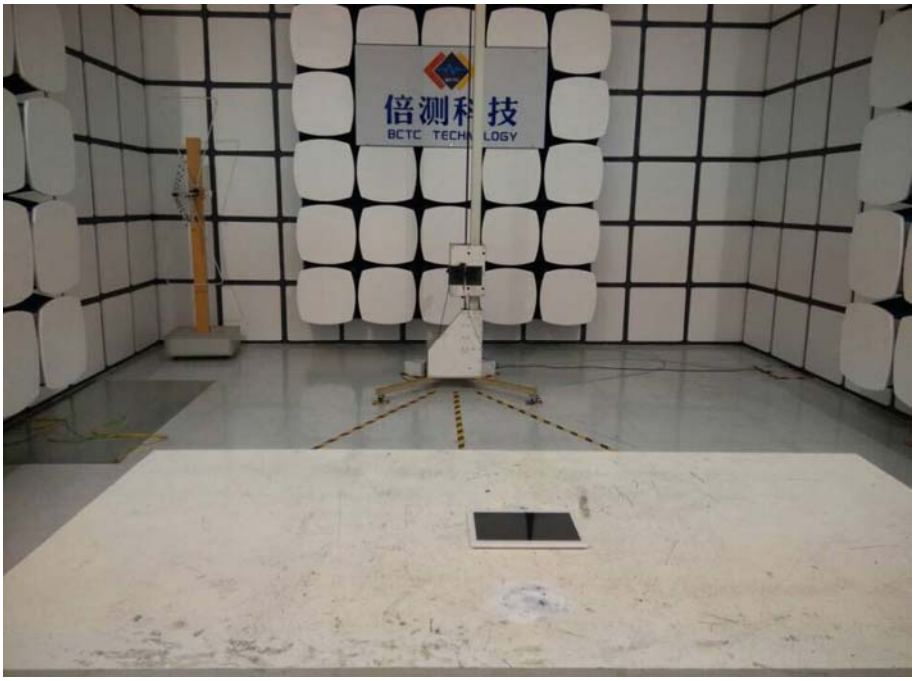
7.2 EUT ANTENNA

The EUT antenna is FPCB antenna(Gain,2dbi) . It comply with the standard requirement.

8. EUT TEST PHOTO

Radiated Measurement Photos





Radiated Measurement Photos