

Prüfbericht-Nr.: Test Report No.:	17032143 003	Auftrags-Nr.: Order No.:	164003749	Seite 1 von 201 Page 1 of 201
Kunden-Referenz-Nr.: Client Reference No.:	N/A	Auftragsdatum: Order date:	22.03.2013	
Auftraggeber: Client:	KEEN HIGH TECHNOLOGIES LTD., Block A1 & A2, Ze Da Li Industrial Park, Tangwei Area, Fuyong, Bao'an, Shenzhen, Guangdong, China			
Prüfgegenstand: Test item:	Tablet			
Bezeichnung / Typ-Nr.: Identification / Type No.:	NS-14T004			
Auftrags-Inhalt: Order content:	FCC/IC Certification			
Prüfgrundlage: Test specification:	FCC CFR47 Part 15: Subpart C Section 15.247		FCC CFR47 Part 15: Subpart C Section 15.407	
	FCC CFR47 Part 15: Subpart C Section 15.207		FCC CFR47 Part 15: Subpart C Section 15.209	
	RSS-210 Issue 8 December 2010		RSS-Gen Issue 3 December 2010	
Wareneingangsdatum: Date of receipt:	22.03.2013			
Prüfmuster-Nr.: Test sample No.:	N/A			
Prüfzeitraum: Testing period:	13.04.2013 - 02.05.2013			
Ort der Prüfung: Place of testing:	Accurate Technology Co., Ltd.			
Prüflaboratorium: Testing laboratory:	TÜV Rheinland (Shenzhen) Co., Ltd.			
Prüfergebnis*: Test result*:	Pass			
geprüft von / tested by:		kontrolliert von / reviewed by:		
13-06-2013 Owen Tian/Project Manager		13-06-2013 Sam Lin/Technical Certifier		
Datum Date	Name / Stellung Name / Position	Unterschrift Signature	Datum Date	Name / Stellung Name / Position
Sonstiges / Other:				
Zustand des Prüfgegenstandes bei Anlieferung: Condition of the test item at delivery:		Prüfmuster vollständig und unbeschädigt Test item complete and undamaged		
* Legende: 1 = sehr gut 2 = gut 3 = befriedigend 4 = ausreichend 5 = mangelhaft P(ass) = entspricht o.g. Prüfgrundlage(n) F(ail) = entspricht nicht o.g. Prüfgrundlage(n) N/A = nicht anwendbar N/T = nicht getestet				
Legend: 1 = very good 2 = good 3 = satisfactory 4 = sufficient 5 = poor P(ass) = passed a.m. test specification(s) F(ail) = failed a.m. test specification(s) N/A = not applicable N/T = not tested				
Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.				

TEST SUMMARY

5.1.1 ANTENNA REQUIREMENT

RESULT: Pass

5.1.2 PEAK OUTPUT POWER

RESULT: Pass

5.1.3 26dB BANDWIDTH AND 99% BANDWIDTH

RESULT: Pass

5.1.4 6dB BANDWIDTH AND 99% BANDWIDTH

RESULT: Pass

5.1.5 POWER SPECTRAL DENSITY

RESULT: Pass

5.1.6 OUTSIDE BAND EMISSIONS

RESULT: Pass

5.1.7 SPURIOUS EMISSION

RESULT: Pass

5.1.8 CONDUCTED EMISSIONS

RESULT: Pass

CONTENTS

1.	GENERAL REMARKS	4
1.1	COMPLEMENTARY MATERIALS	4
2.	TEST SITES	4
2.1	TEST FACILITIES	4
2.2	LIST OF TEST AND MEASUREMENT INSTRUMENTS	5
2.3	TRACEABILITY	6
2.4	CALIBRATION	6
2.5	MEASUREMENT UNCERTAINTY	6
2.6	LOCATION OF ORIGINAL DATA	6
2.7	STATUS OF FACILITY USED FOR TESTING	6
3.	GENERAL PRODUCT INFORMATION	7
3.1	PRODUCT FUNCTION AND INTENDED USE	7
3.2	RATINGS AND SYSTEM DETAILS	7
3.3	INDEPENDENT OPERATION MODES	8
3.4	NOISE GENERATING AND NOISE SUPPRESSING PARTS	8
3.5	SUBMITTED DOCUMENTS	8
4.	TEST SET-UP AND OPERATION MODES	9
4.1	PRINCIPLE OF CONFIGURATION SELECTION	9
4.2	TEST OPERATION AND TEST SOFTWARE	9
4.3	SPECIAL ACCESSORIES AND AUXILIARY EQUIPMENT	9
4.4	COUNTERMEASURES TO ACHIEVE ERM COMPLIANCE	9
4.5	TEST SETUP DIAGRAM	10
5.	TEST RESULTS	12
5.1	TRANSMITTER REQUIREMENT & TEST SUITES	12
5.1.1	Antenna Requirement	12
5.1.2	Peak Output Power	13
5.1.3	26dB Bandwidth and 99% Bandwidth	14
5.1.4	6dB Bandwidth and 99% Bandwidth	15
5.1.5	Power spectral density	16
5.1.6	Outside band emissions	17
5.1.7	Spurious Emission	26
5.1.8	Conducted emissions	195
6.	PHOTOGRAPHS OF THE TEST SET-UP	198
7.	LIST OF TABLES	201
8.	LIST OF PHOTOGRAPHS	201

1. General Remarks

1.1 Complementary Materials

None.

2. Test Sites

2.1 Test Facilities

Accurate Technology Co., Ltd.

(FCC Registration No.: 752051)

(Test site Industry Canada No.: 5077A-2)

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

Shenzhen Academy of Metrology and Quality Inspection (Xili base)

(FCC Registration No.: 979748)

(Test site Industry Canada No.: 144376)

NETC Building, No. 4 Tongfa Rd., Xili, Nanshan, Shenzhen, China

The tests at the test site have been conducted under the supervision of a TÜV engineer.

2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

Kind of Equipment	Manufacturer	Type	S/N	Calibrated until
Transmitter spurious emissions & Receiver spurious emissions				
Spectrum Analyzer	Agilent	E7405A	MY45115511	2014-01-06
Test Receiver	Rohde & Schwarz	ESCS30	100307	2014-01-06
Bilog Antenna	Schwarzbeck	VULB9163	9163-323	2014-01-06
Loop Antenna	Schwarzbeck	FMZB1516	1516131	2014-01-06
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-655	2014-01-06
Horn Antenna	Schwarzbeck	BBHA9170	9170-359	2014-01-06
50 Coaxial Switch	Anritsu Corp	MP59B	6200506474	2014-01-06
RF Coaxial Cable	SUHNER	N-3m	No.8	2014-01-06
RF Coaxial Cable	RESENBERGER	N-3.5m	No.9	2014-01-06
RF Coaxial Cable	SUHNER	N-6m	No.10	2014-01-06
RF Coaxial Cable	RESENBERGER	N-12m	No.11	2014-01-06
RF Coaxial Cable	RESENBERGER	N-0.5m	No.12	2014-01-06
Pre-Amplifier	Rohde & Schwarz	CBLU118354 0-01	3791	2014-01-06
Transmitter spurious emissions & Receiver spurious emissions (SMQ)				
EMI Receiver	Rohde & Schwarz	ESCI3	SB9058/05	2014-05-02
EMI Receiver	Rohde & Schwarz	ESU40	SB8501/09	2013-05-14
Horn Antenna	Rohde & Schwarz	3160-10	SB8501/12	2013-05-14
Radio Spectrum Test				
Spectrum Analyzer	Rohde & Schwarz	ESPI3	100396/003	2014-01-06
Temp. & Humid. Chamber	Gongwen	HSD-500	0109	2014-01-06
Conducted Emission				
Test Receiver	Rohde & Schwarz	ESCS30	100307	2014-01-06
L.I.S.N.	Schwarzbeck	NLSK8126	8126431	2014-01-06
L.I.S.N.	Rohde & Schwarz	ESH3-Z5	100310	2014-01-06
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100815	2014-01-06
50Ω Coaxial Switch	Anritsu Corp	MP59B	6200283933	2014-01-06
RF Coaxial Cable	SUHNER	N-2m	No.3	2014-01-06

2.3 Traceability

All measurement equipment calibrations are traceable to NIST or where calibration is performed outside the United States, to equivalent nationally recognized standards organizations.

2.4 Calibration

Equipment requiring calibration is calibrated periodically by the manufacturer or according to manufacturer's specifications. Additionally all equipment is verified for proper performance on a regular basis using in house standards or comparisons.

2.5 Measurement Uncertainty

Table 2: Measurement Uncertainty

Parameter	Uncertainty
Radio Spectrum	$< \pm 0.60$ dB
Radiated emission of transmitter, valid up to 12.75 GHz	$< \pm 4.42$ dB
Radiated emission of receiver, valid up to 12.75 GHz	$< \pm 4.42$ dB
Conducted Emission	$< \pm 2.23$ dB
Radiated Emission	$< \pm 4.42$ dB

2.6 Location of Original Data

The original copies of all test data taken during actual testing were retained in the TÜV Rheinland (Shenzhen) file for certification follow-up purposes.

2.7 Status of Facility Used for Testing

Accurate Technology Co., Ltd. test facility located at F1, Bldg. A, Changyuan New Material Port Keyuan Rd., Science & Industry Park, Nanshan, Shenzhen, P.R. China and Shenzhen Academy of Metrology and Quality Inspection (Xili base) test facility located at NETC Building, No. 4 Tongfa Rd., Xili, Nanshan, Shenzhen, China are listed on the US Federal Communications Commission list of facilities approved to perform measurements.

3. General Product Information

3.1 Product Function and Intended Use

The EUT is a 10.1" tablet with Wi-Fi, Bluetooth & GPS function.
 For details refer to the User Manual and Circuit Diagram.

3.2 Ratings and System Details

Table 3: Technical Specification of EUT

Technical Specification	Value
Kind of Equipment	Tablet
Type Designation	NS-14T004
Operating Frequency band	5180 – 5240MHz, 5745 – 5825MHz
Extreme Temperature Range	-30~+75°C
Operation Voltage	DC 3.7V (via built in battery)
	DC 5V (via AC/DC adapter)
Antenna Gain	1.53dBi

Table 4: Technical Specification of Wi-Fi

Item	Description	
	IEEE 802.11a	IEEE 802.11n
Operating Frequency band (MHz)	5180 – 5240MHz, 5745 – 5825MHz	5180 – 5240MHz, 5745 – 5825MHz
Channel Number	9	9
Modulation	OFDM	OFDM
Data Rate (Mbps)	6, 9, 12, 18, 24, 36, 48, 54	6.5, 13.0, 19.5, 26.0, 39.0, 52.0, 58.5, 65.0 (MCS0 ~ MCS7)
Transmitter Output Power (Typical) (dBm)	15±3	14.5±2
Media Access Protocol	CSMA/CA with ACK	CSMA/CA with ACK

Table 5: Carrier Frequency

Frequency Band	Channel No.	Frequency	Channel No.	Frequency
5180 – 5240MHz, 5745 – 5825MHz	36	5180 MHz	153	5765 MHz
	40	5200 MHz	157	5785 MHz
	44	5220 MHz	161	5805 MHz
	48	5240 MHz	165	5825 MHz
	149	5745 MHz		

3.3 Independent Operation Modes

The basic operation modes are:

- A. On, Wi-Fi mode (5180 – 5240MHz)
 - 1. Transmitting
 - a. Low Channel
 - b. High Channel
 - 2. Receiving
- B. On, Wi-Fi mode (5745 – 5825MHz)
 - 1. Transmitting
 - a. Low Channel
 - b. High Channel
 - 2. Receiving
- C. Standby
- D. Off

3.4 Noise Generating and Noise Suppressing Parts

Refer to the Circuit Diagram.

3.5 Submitted Documents

- | | |
|--------------------------|----------------------|
| - Bill of Material | - Circuit Diagram |
| - Constructional Drawing | - Instruction Manual |
| - PCB Layout | - Rating Label |
| - Photo Document | |

4. Test Set-up and Operation Modes

4.1 Principle of Configuration Selection

The equipment under test (EUT) was configured to measure its maximum power level. The test modes were adapted accordingly in reference to the instructions for use.

4.2 Test Operation and Test Software

Test operation refers to test setup in chapter 5. All testing were performed according to the procedures in ANSI C63.4: 2003.

4.3 Special Accessories and Auxiliary Equipment

The EUT was tested together with the following accessories:

Description	Manufacturer	Part No.	S/N	Rating
Notebook PC	Lenovo	4290-RT8	R9-FW93G	N/A
AC/DC Adapter	SHEN ZHEN JING QUAN HUA ELECTRONICS CO.,LTD	NSA12UU-050200	N/A	Input: AC 100-240V, 50/60Hz, 0.5A Output: DC 5V, 2A

The EUT was tested with following cables:

Interface(s)/Port(s):	Max. cable length, shielding	Cable classification
AC Mains of adapter	2 cores, non-shielded port, 3m	AC Power Input
Micro USB port	4 cores, non-shielded port, 3m	DC Power Input

4.4 Countermeasures to Achieve ERM Compliance

The test sample which has been tested contained the noise suppression parts as described in the Technical Construction File (TCF). No additional measures were employed to achieve compliance.

4.5 Test Setup Diagram

Diagram of Measurement Configuration for Radiation Test

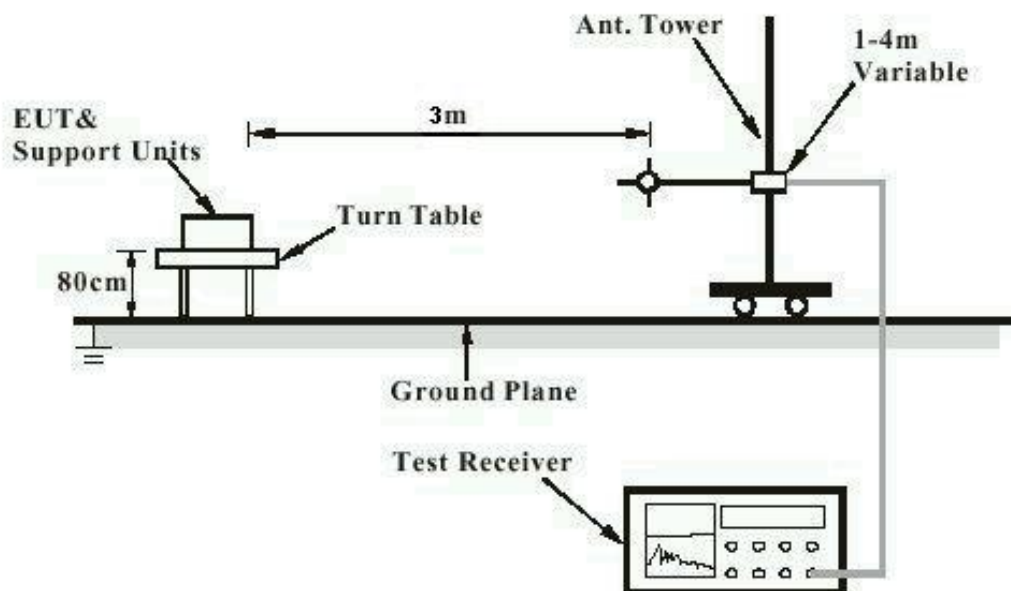


Diagram of Measurement Equipment Configuration for Conduction Measurement

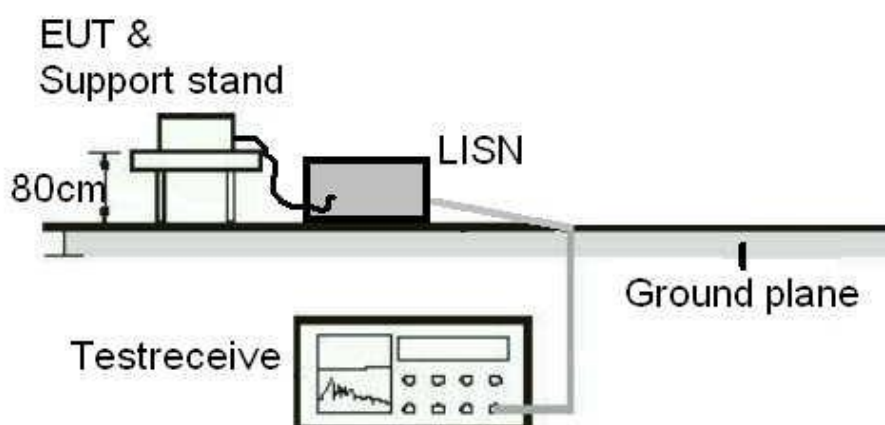
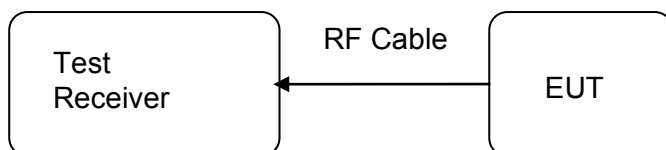


Diagram of Measurement Equipment Configuration for Transmitter Measurement



5. Test Results

5.1 Transmitter Requirement & Test Suites

5.1.1 Antenna Requirement

RESULT:**Pass**

Test standard	:	FCC Part 15.407(a)(1) FCC Part 15.247(b)(4) and Part 15.203 RSS-Gen 7.1.4
Limit		The use of antennas with directional gains that do not exceed 6dBi

According to the manufacturer declared, the EUT has an internal antenna, the directional gain of antenna is 1.53dBi, and the antenna connector is designed with permanent attachment and no consideration of replacement. Therefore the EUT is considered sufficient to comply with the provision.

5.1.2 Peak Output Power

RESULT:
Pass

Test date : 2013-05-02
 Test standard : FCC Part 15.407(a)(1) for 5180 – 5240MHz
 FCC Part 15.247(b)(3) for 5745 – 5825MHz
 RSS-210 A8.4(4)
 Basic standard : ANSI C63.4: 2003
 Limit : 50mW, 1W
 Kind of test site : Shielded room

Test setup

Test Channel : Low/High
 Operation Mode : A.1, B.1
 Ambient temperature : 25°C
 Relative humidity : 52%
 Atmospheric pressure : 101kPa

Table 6: Test result of Peak Output Power of 802.11a

Channel	Channel Frequency (MHz)	Peak Output Power	Limit
		(dBm)	(dBm)
Low Channel	5180	13.85	17
High Channel	5240	13.61	17
Low Channel	5745	18.81	30
High Channel	5825	18.80	30

Table 7: Test result of Peak Output Power of 802.11n

Channel	Channel Frequency (MHz)	Peak Output Power	Limit
		(dBm)	(dBm)
Low Channel	5180	13.82	17
High Channel	5240	13.66	17
Low Channel	5745	18.73	30
High Channel	5825	18.68	30

Channel	Channel Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low Channel	5180	27.829	17.540
High Channel	5240	27.742	17.583

Prüfbericht - Nr.: 17032143 002

Test Report No.

Seite 15 von 201

Page 15 of 201

5.1.4 6dB Bandwidth and 99% Bandwidth**RESULT:****Pass**

Date of testing : 2013-05-02
Test standard : FCC Part 15.247(a)(2)
RSS-210 A8.2(a)
Basic standard : ANSI C63.4: 2003
Kind of test site : Shielded room

Test setup

Test Channel : Low/High
Operation Mode : B.1
Ambient temperature : 25°C
Relative humidity : 52%
Atmospheric pressure : 101kPa

Table 10: Test result of 6dB & 99% Bandwidth of 802.11a

Channel	Channel Frequency (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low Channel	5745	15.20	16.498
High Channel	5825	15.24	16.498

Table 11: Test result of 6dB & 99% Bandwidth of 802.11n

Channel	Channel Frequency (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low Channel	5745	15.20	17.713
High Channel	5825	15.24	17.757

5.1.5 Power spectral density**RESULT:****Pass**

Date of testing : 2013-05-02
Test standard : FCC Part 15.407(a)(1) for 5180 – 5240MHz
FCC part 15.247(e) for 5745 – 5825MHz
RSS-210 A8.2
Basic standard : ANSI C63.4: 2003
Limit : 4dBm/1MHz, 8dBm/3kHz (33dBm/MHz)
Kind of test site : Shield room

Test setup

Test Channel : Low/High
Operation mode : A.1, B.1
Ambient temperature : 25°C
Relative humidity : 52%
Atmospheric pressure : 101kPa

Table 12: Test result of power spectral density for 5180 – 5240MHz:

Mode	Channel (MHz)	Result (dBm/MHz)	Limit (dBm/MHz)	Conclusion
802.11a	5180	3.73	4	Pass
	5240	3.83	4	Pass
802.11n	5180	3.37	4	Pass
	5240	3.61	4	Pass

Table 13: Test result of power spectral density for 5745 – 5825MHz:

Mode	Channel (MHz)	Result (dBm/MHz)	Limit (dBm/MHz)	Conclusion
802.11a	5745	7.64	33	Pass
	5825	7.79	33	Pass
802.11n	5745	7.21	33	Pass
	5825	7.17	33	Pass

Prüfbericht - Nr.: 17032143 002

Test Report No.

Seite 17 von 201

Page 17 of 201

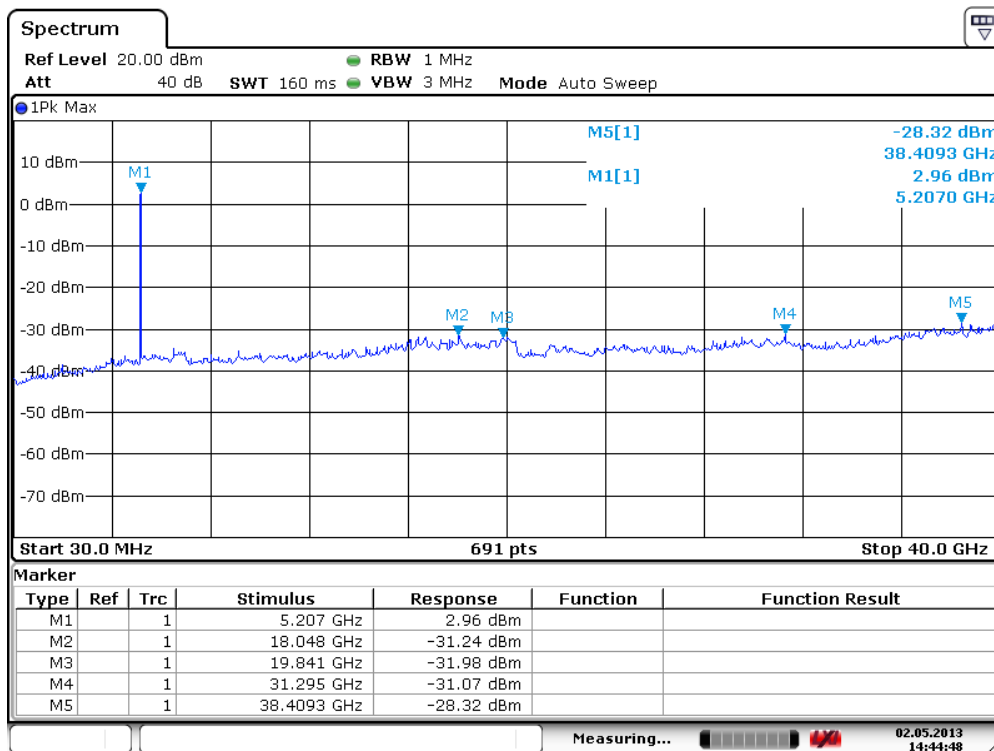
5.1.6 Outside band emissions**RESULT:****Pass**

Date of testing	:	2013-05-02
Test standard	:	FCC part 15.407(b)(1) for 5180 – 5240MHz FCC part 15.247(d) for 5745 – 5825MHz RSS-210 A8.5
Basic standard	:	ANSI C63.4: 2003
Limit	:	-27dBm/MHz
Kind of test site	:	Shield room

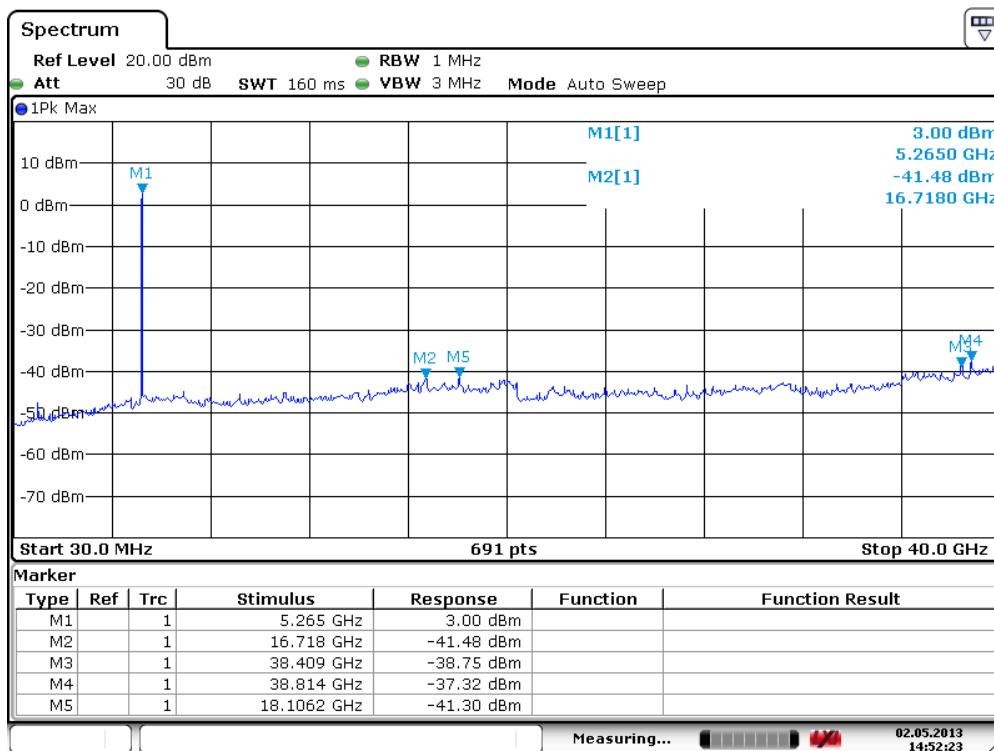
Test setup

Test Channel	:	Low/High
Operation mode	:	A.1, B.1
Ambient temperature	:	25°C
Relative humidity	:	52%
Atmospheric pressure	:	101kPa

For details refer to following test plot.

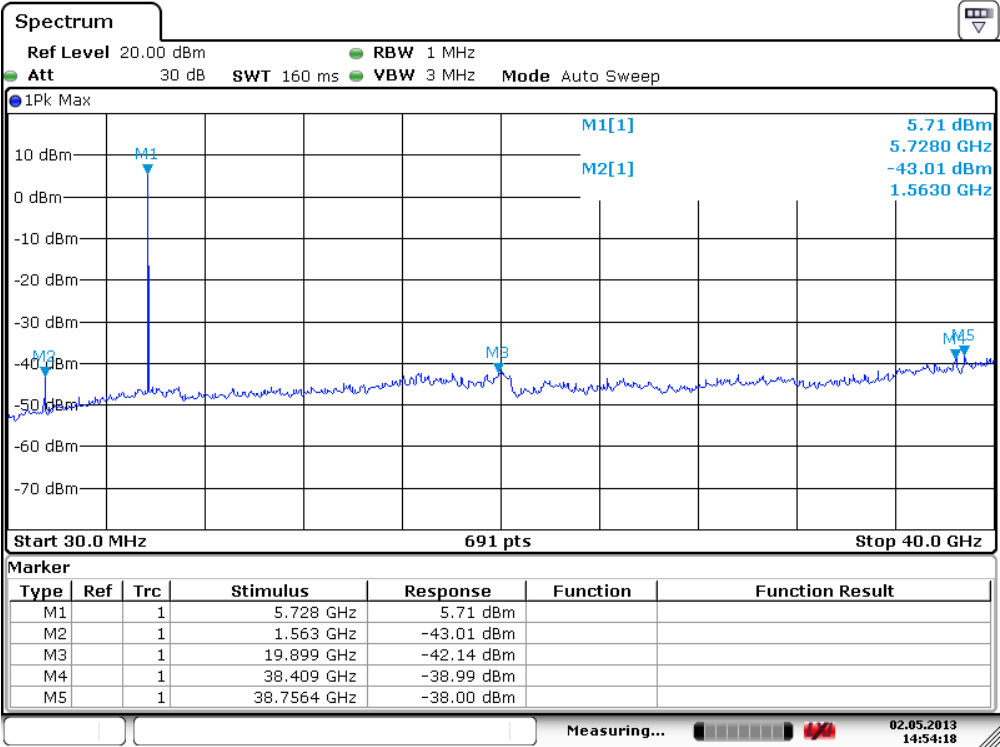
Test Plot of outside band emissions of 802.11a
Channel 5180MHz


Date: 2.MAY.2013 14:44:47

Channel 5240MHz


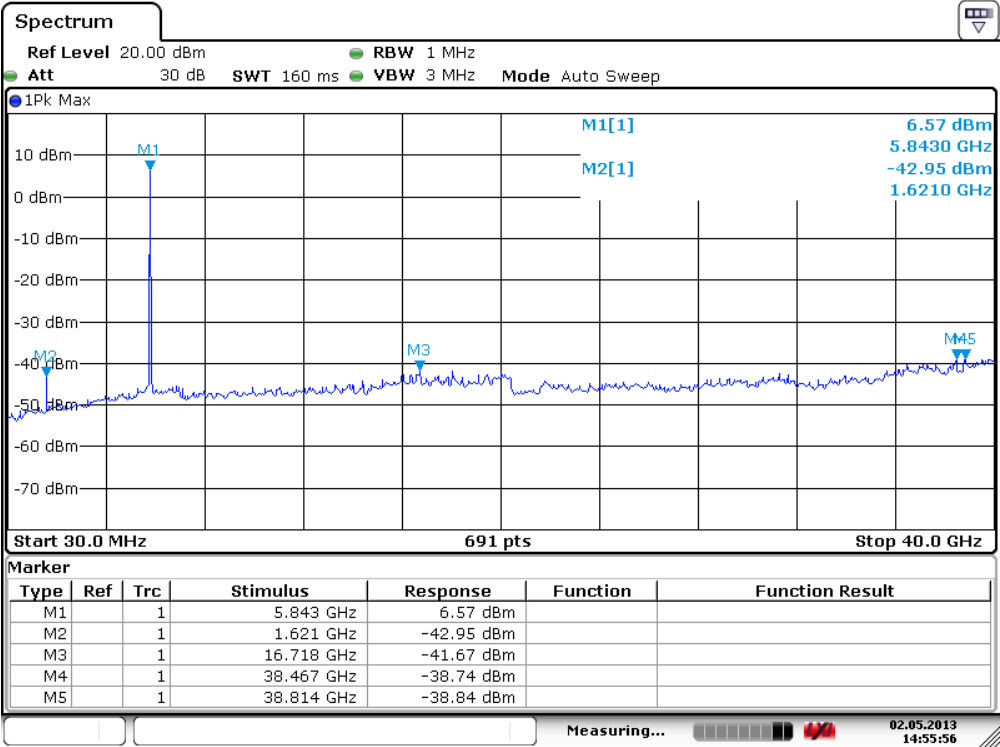
Date: 2.MAY.2013 14:52:23

Channel 5745MHz

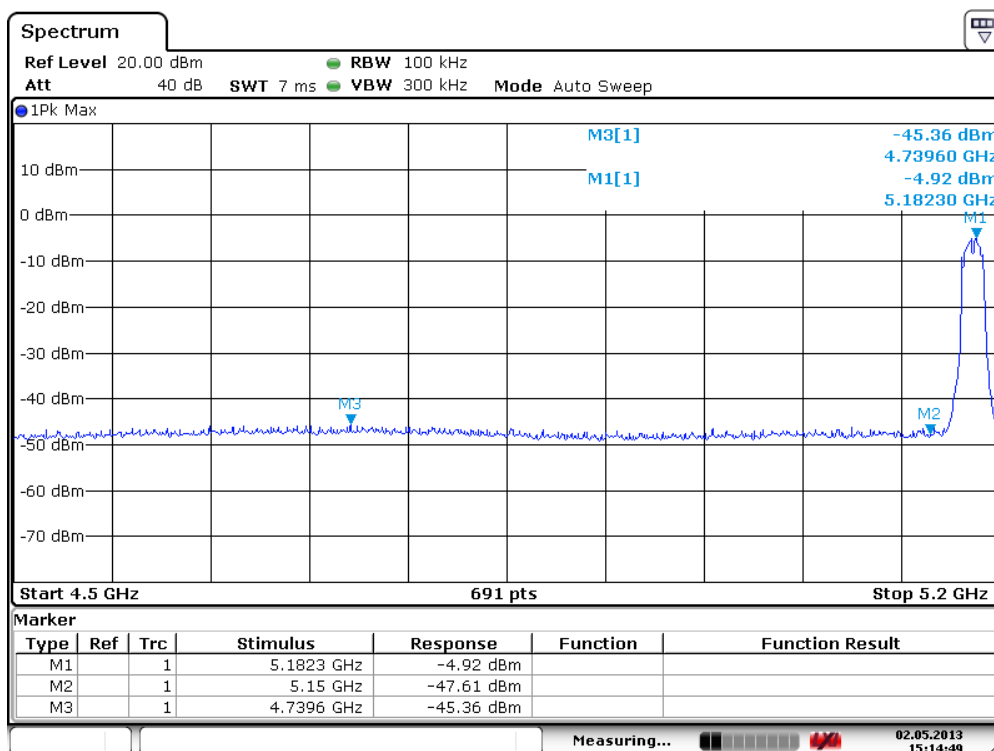


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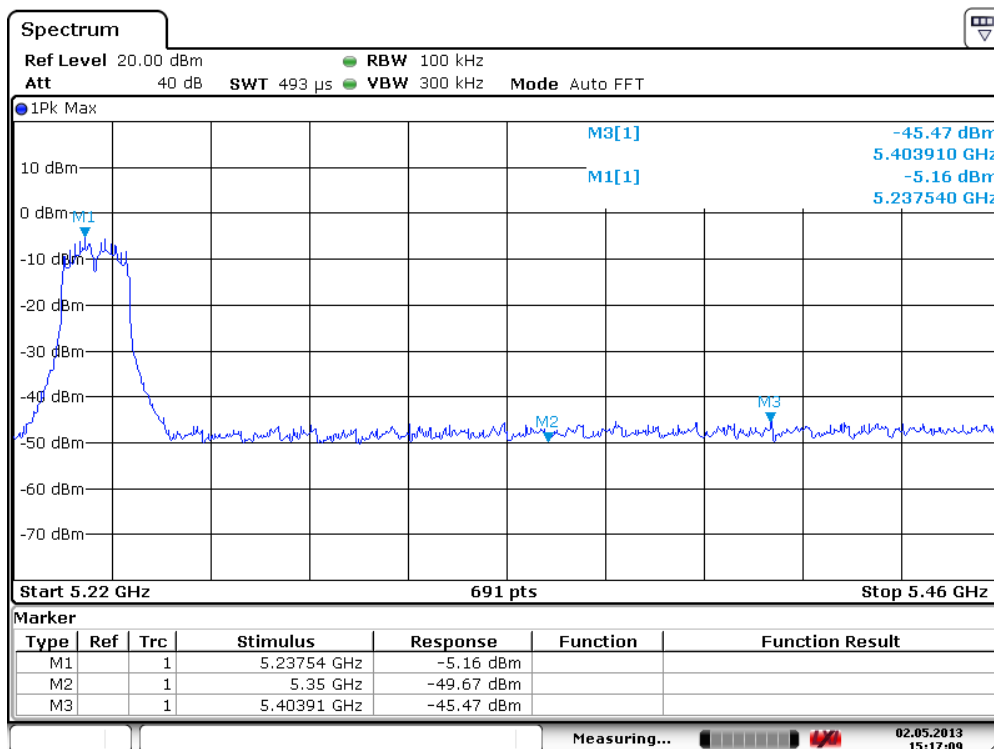
Channel 5825MHz



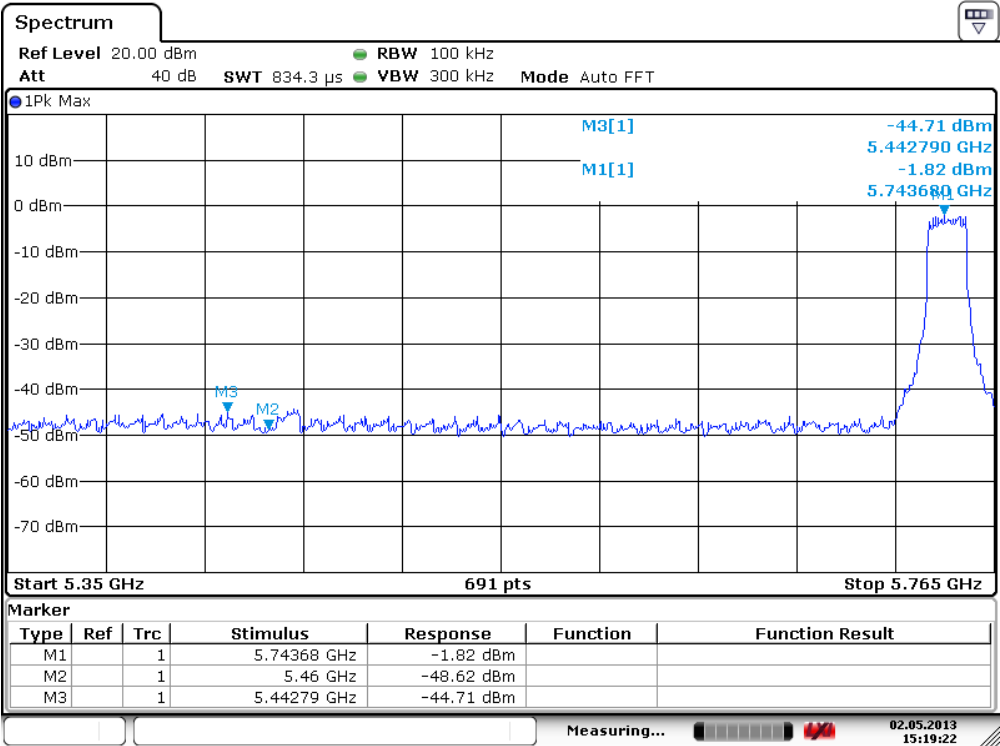
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Band Edge


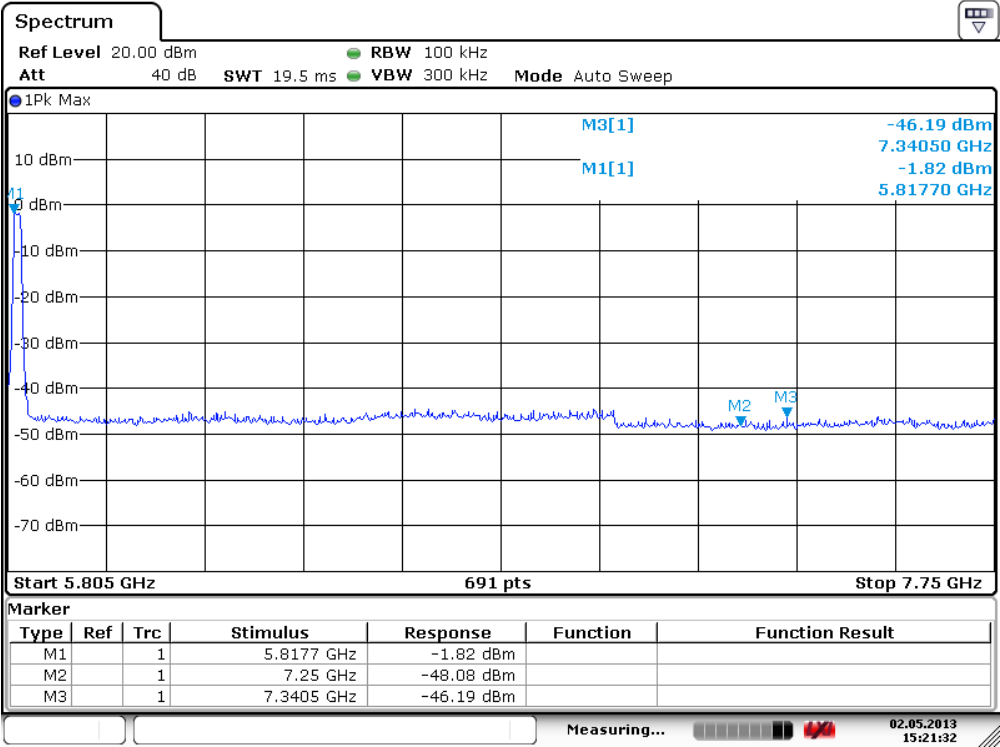
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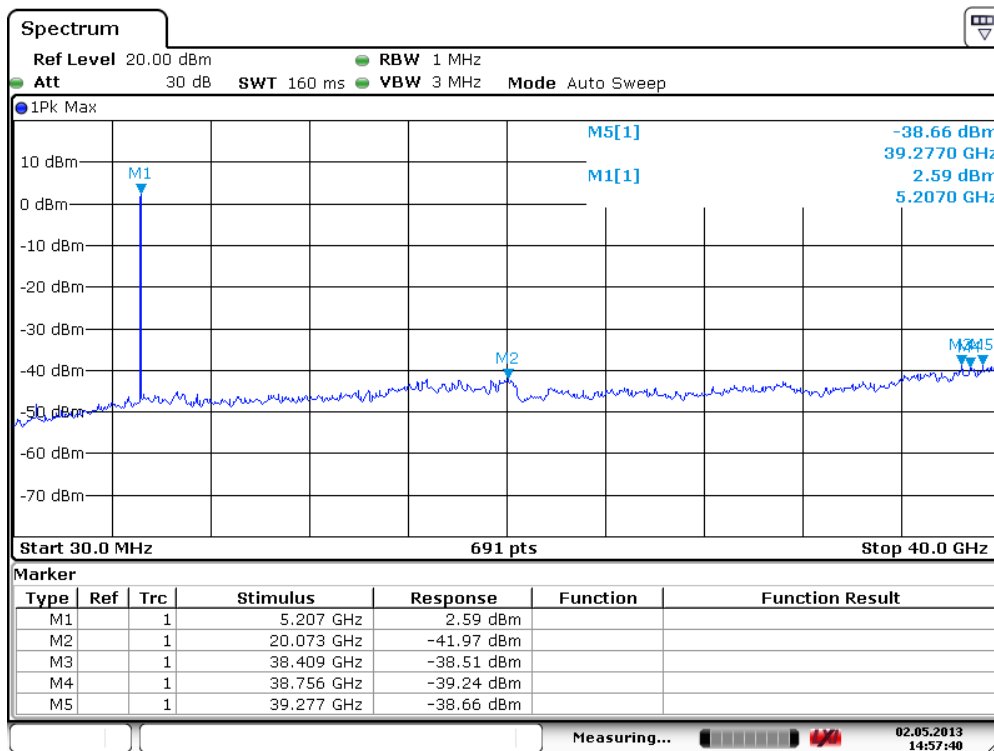
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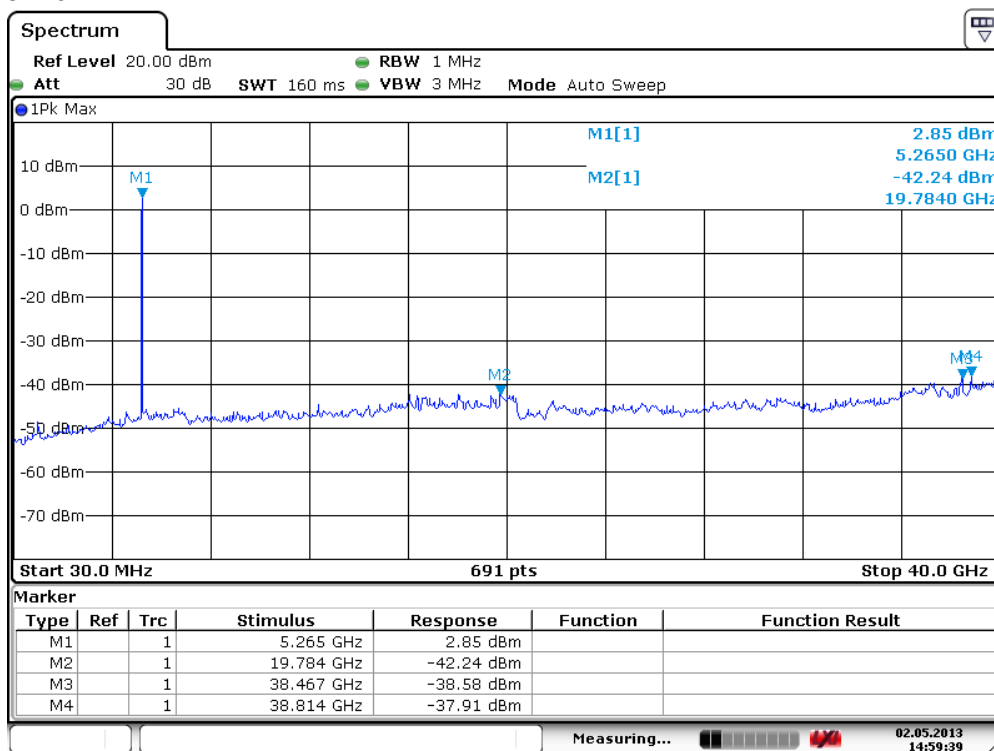
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Date: 2.MAY.2013 15:21:32

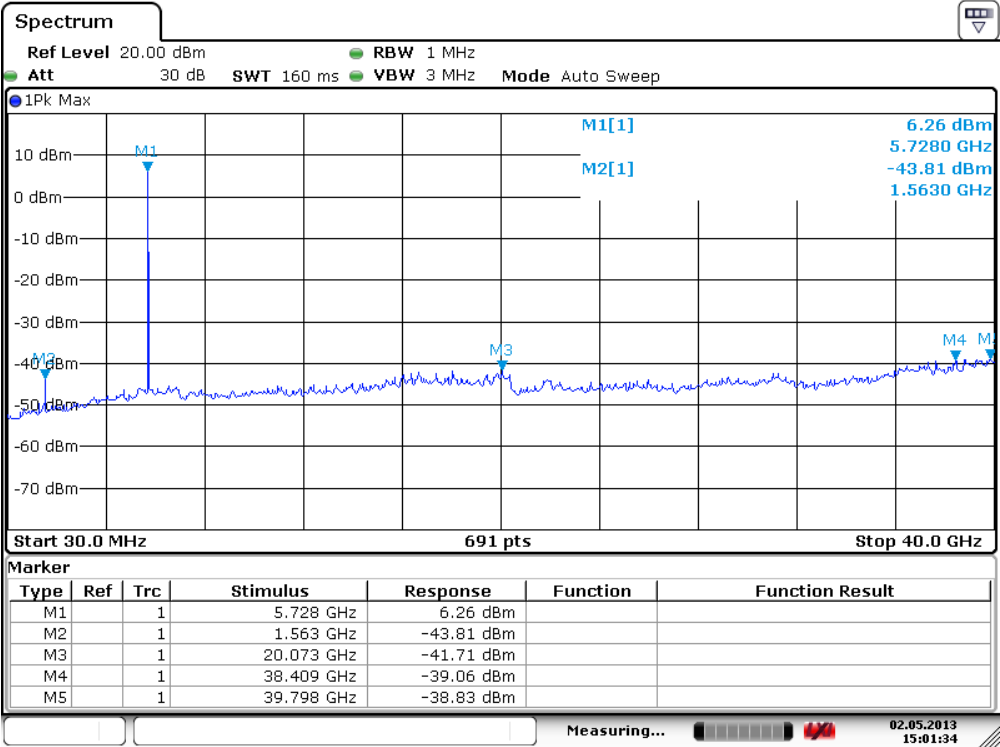
Test Plot of outside band emissions of 802.11n
Channel 5180MHz


Date: 2.MAY.2013 14:57:40

Channel 5240MHz


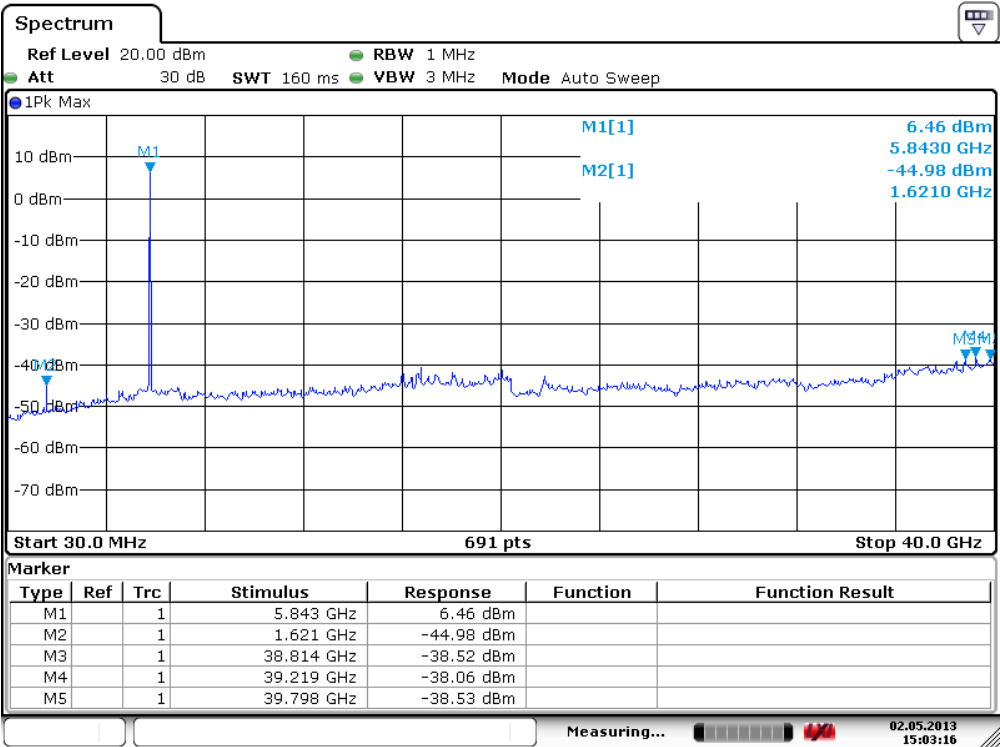
Date: 2.MAY.2013 14:59:38

Channel 5745MHz

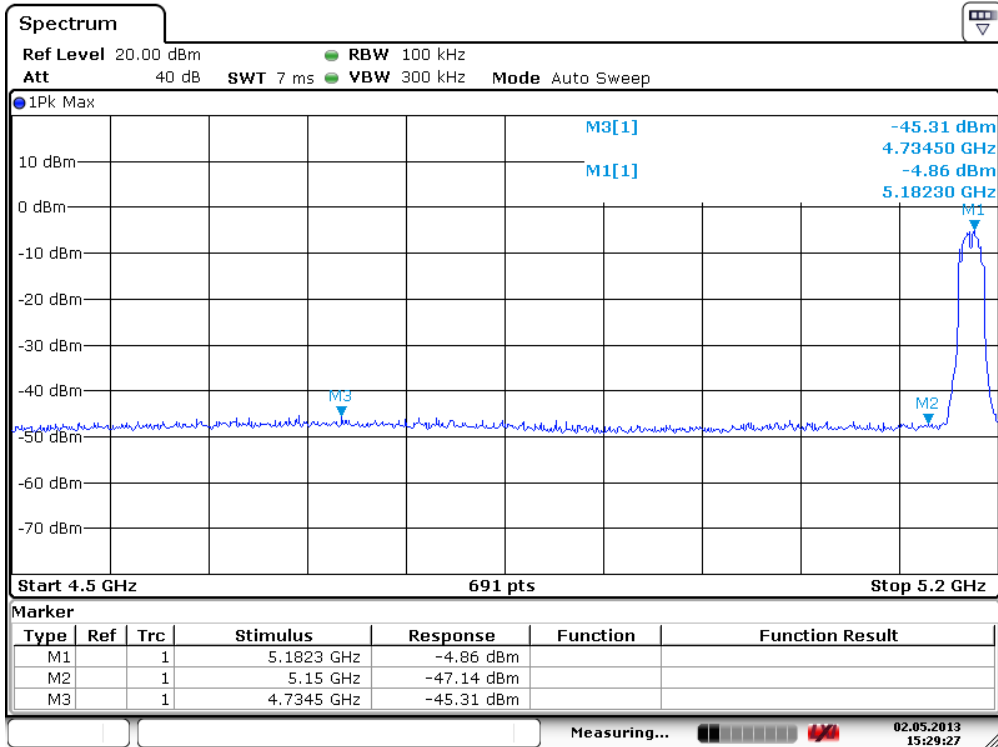


Date: 2.MAY.2013 15:01:34

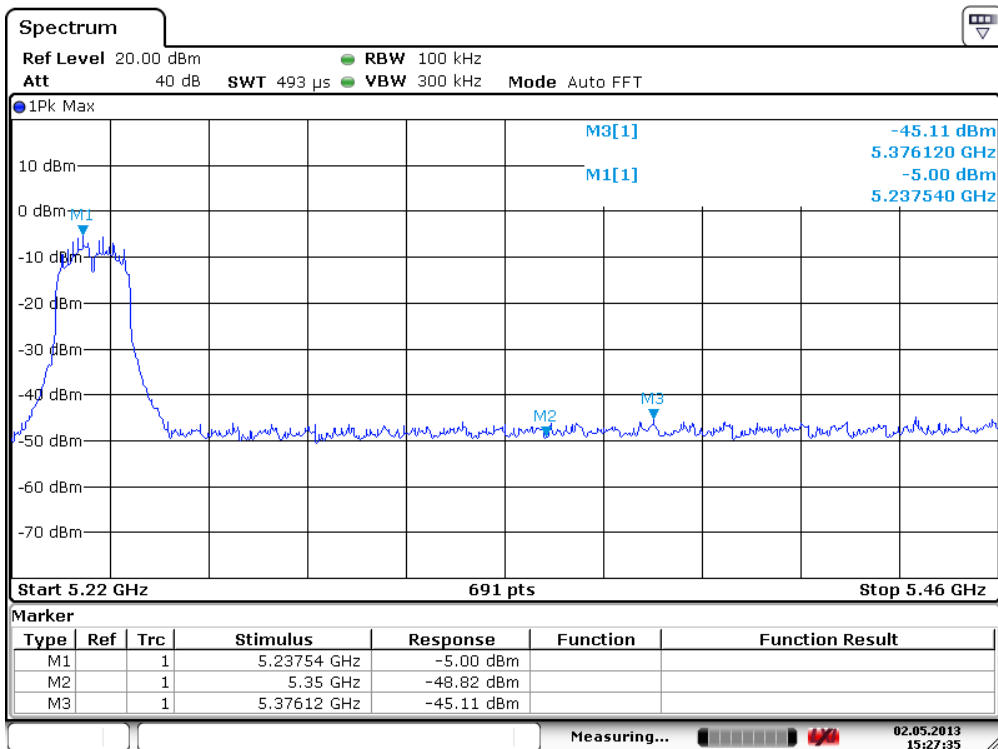
Channel 5825MHz



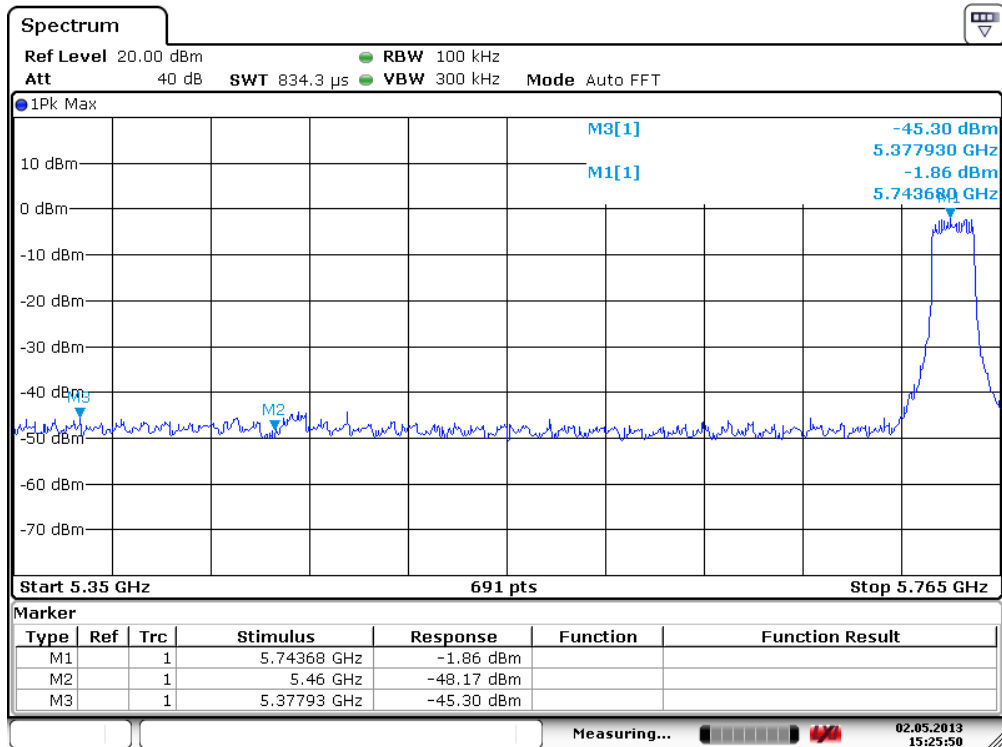
Date: 2.MAY.2013 15:03:16

Band Edge


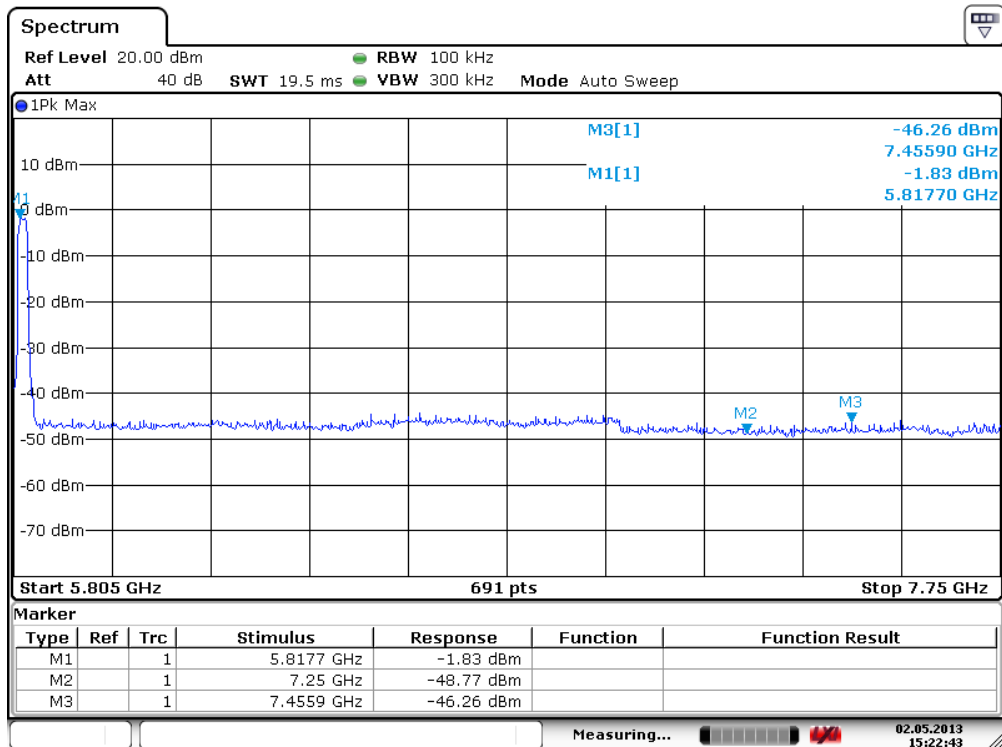
Date: 2.MAY.2013 15:29:26



Date: 2.MAY.2013 15:27:35



Date: 2.MAY.2013 15:25:50



Date: 2.MAY.2013 15:22:42

Prüfbericht - Nr.: 17032143 002

Test Report No.

Seite 26 von 201

Page 26 of 201

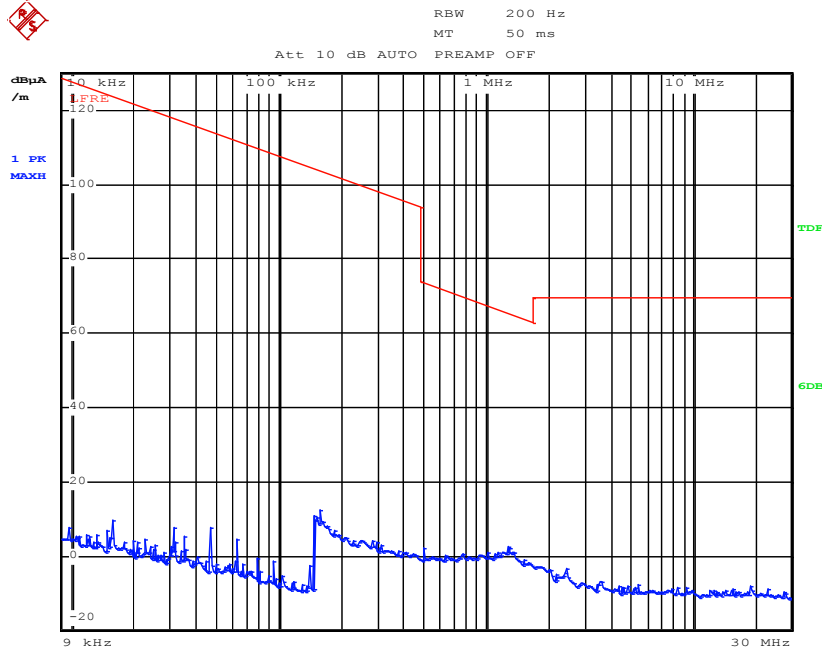
5.1.7 Spurious Emission**RESULT:****Pass**

Date of testing	:	2013-05-02
Test standard	:	FCC part 15.407(b)(6) for 5180 – 5240MHz FCC part 15.247(d) for 5745 – 5825MHz RSS-210 Clause 2.2
Basic standard	:	ANSI C63.4: 2003
Limits	:	FCC part 15.209(a)
Kind of test site	:	3m Semi-Anechoic Chamber

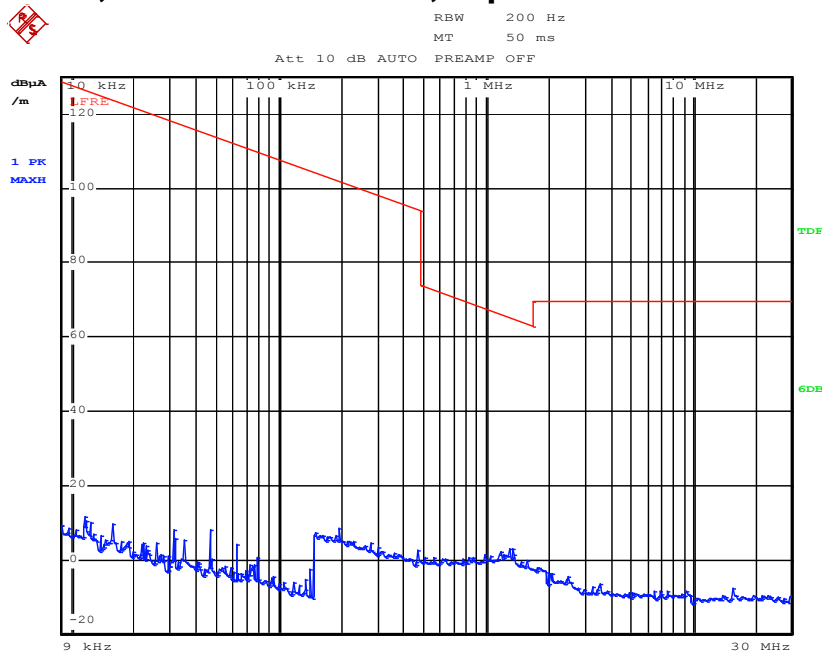
Test setup

Test Channel	:	Low/ Middle/ High
Operation mode	:	A.1, A.2, B.1, B.2
Ambient temperature	:	25°C
Relative humidity	:	52%
Atmospheric pressure	:	101kPa

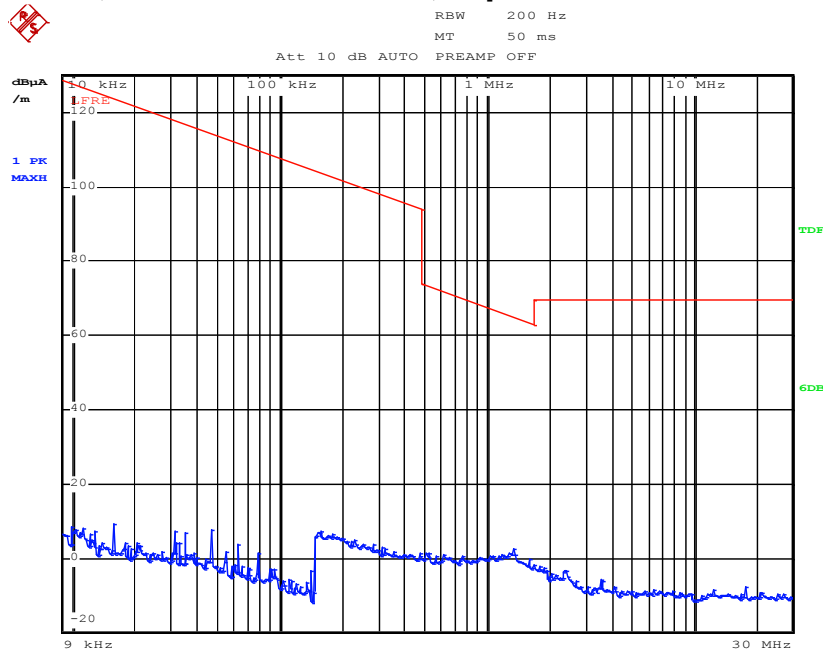
For details refer to following test plot.

**Test Plot of Spurious Emission of transmitting
 802.11a mode, channel 5180MHz, X polarization:**


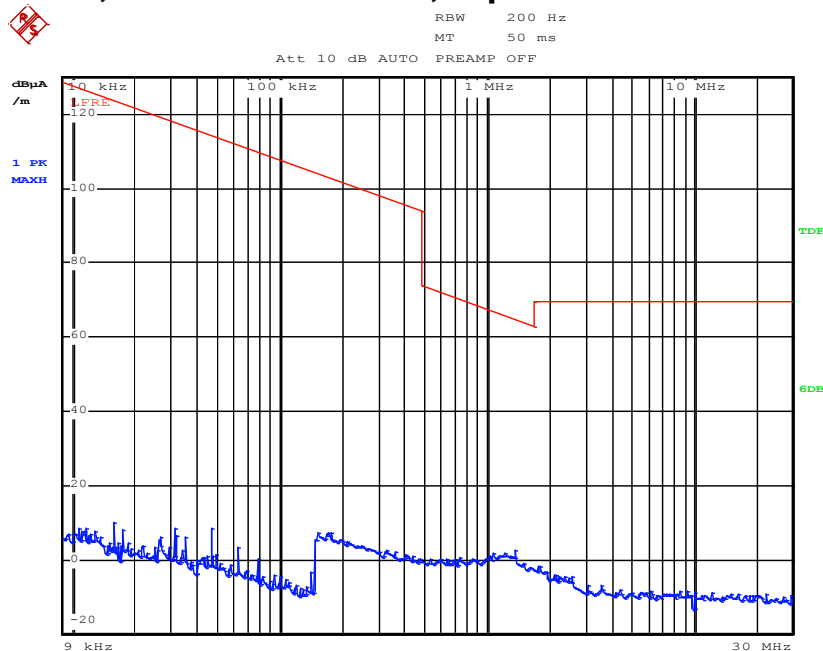
Date: 21.APR.2013 00:20:41

802.11a mode, channel 5180MHz, Y polarization:


Date: 21.APR.2013 00:22:41

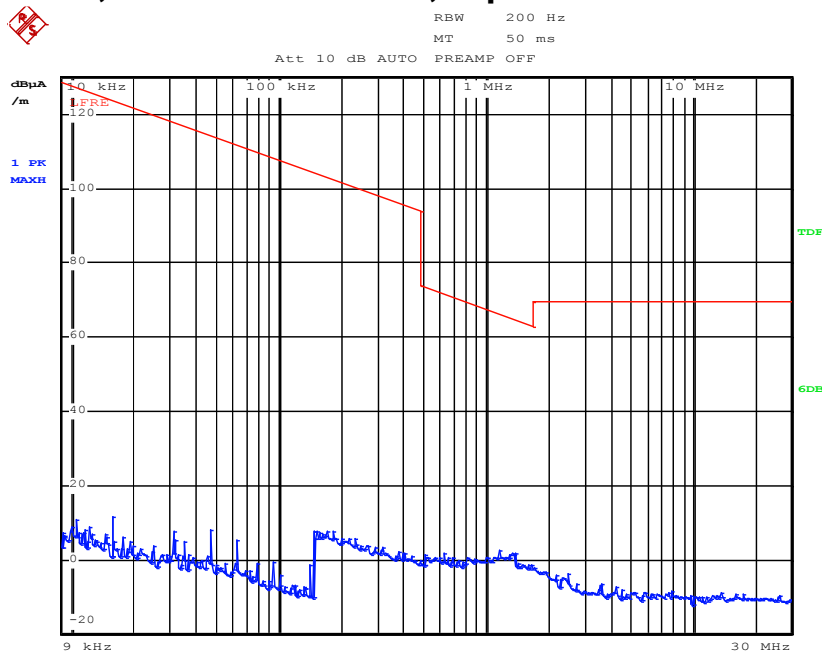
802.11a mode, channel 5180MHz, Z polarization:


Date: 21.APR.2013 00:24:42

802.11a mode, channel 5240MHz, X polarization:


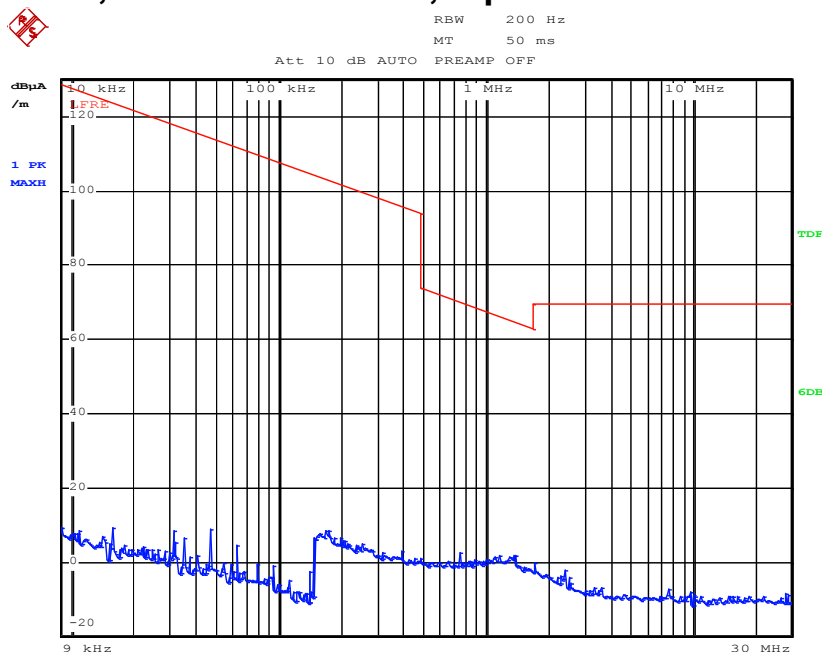
Date: 21.APR.2013 00:26:40

802.11a mode, channel 5240MHz, Y polarization:

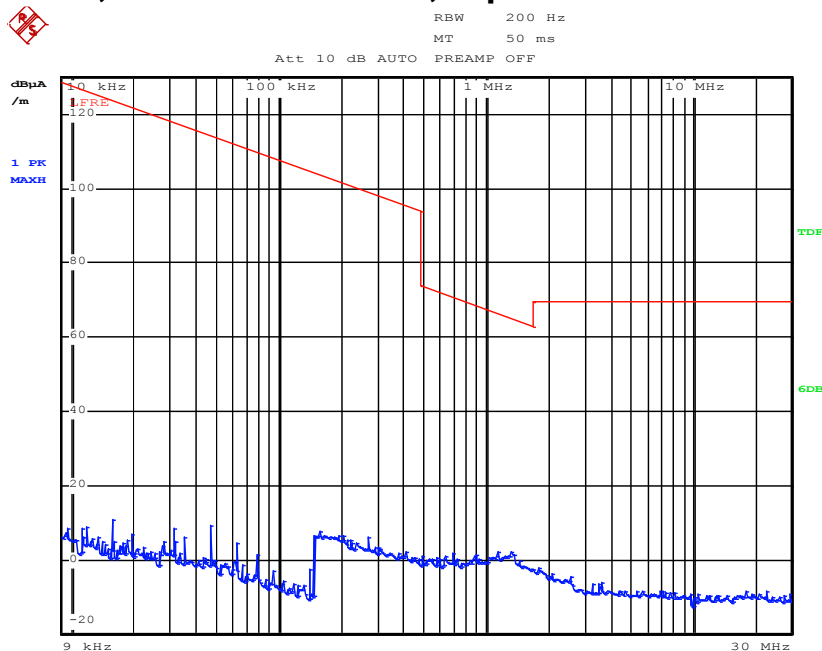


Date: 21.APR.2013 00:28:41

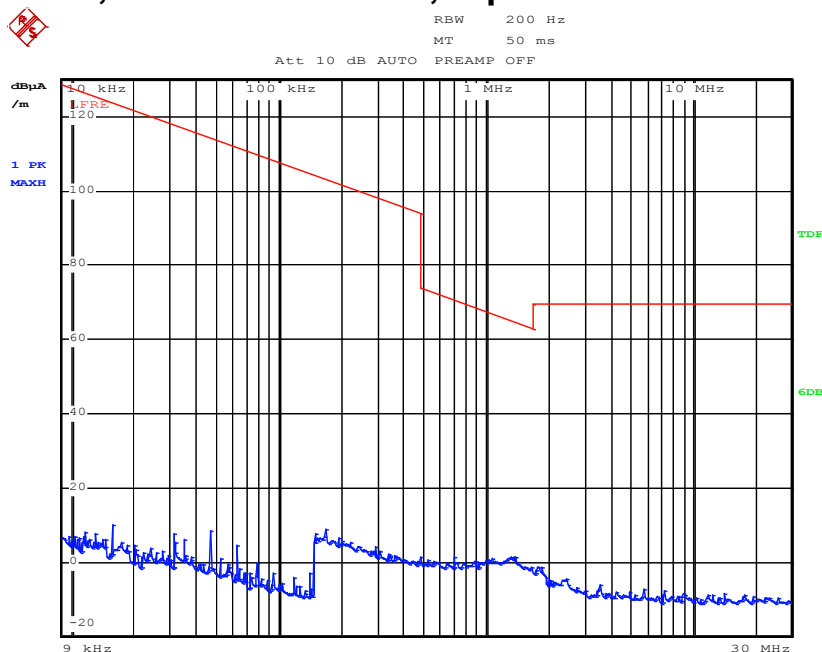
802.11a mode, channel 5240MHz, Z polarization:



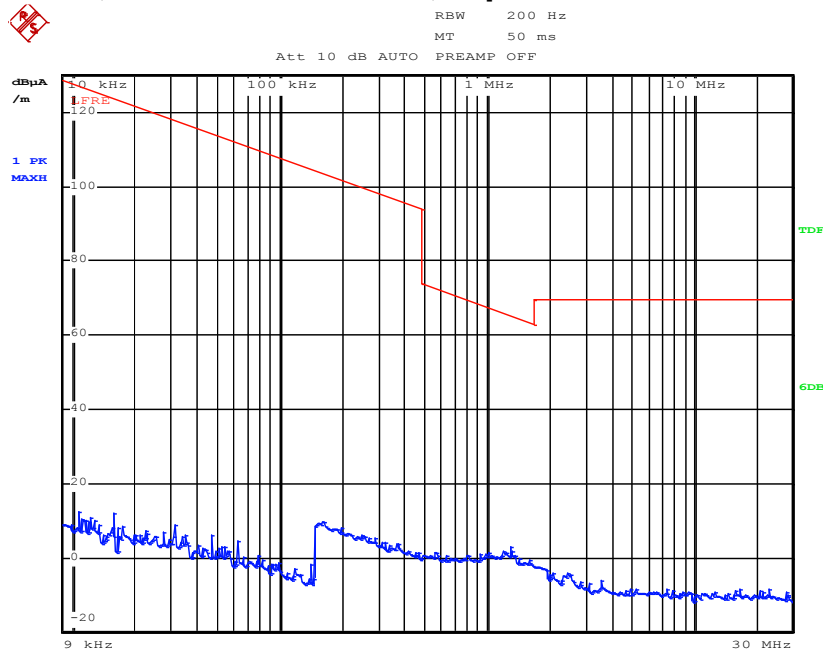
Date: 21.APR.2013 00:30:39

802.11a mode, channel 5745MHz, X polarization:


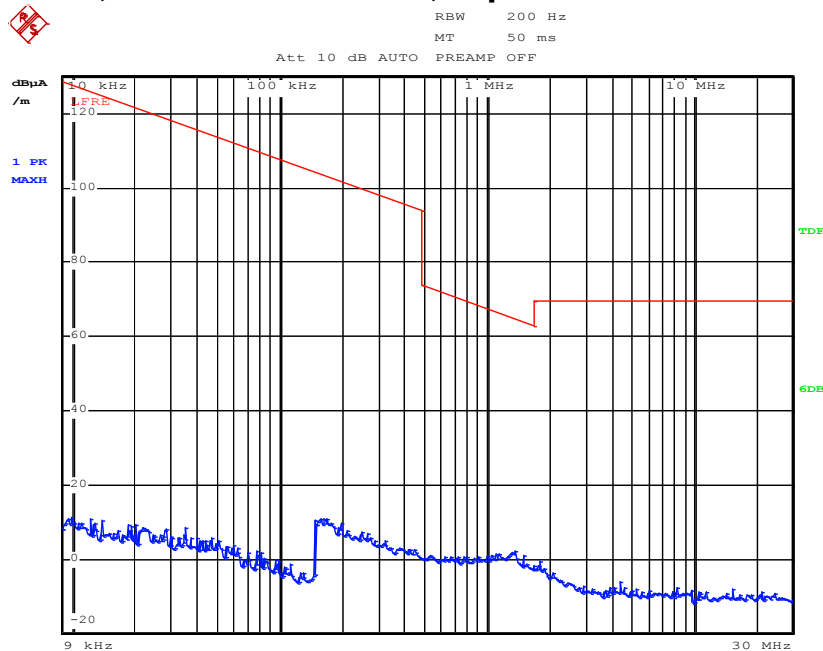
Date: 21.APR.2013 00:32:34

802.11a mode, channel 5745MHz, Y polarization:


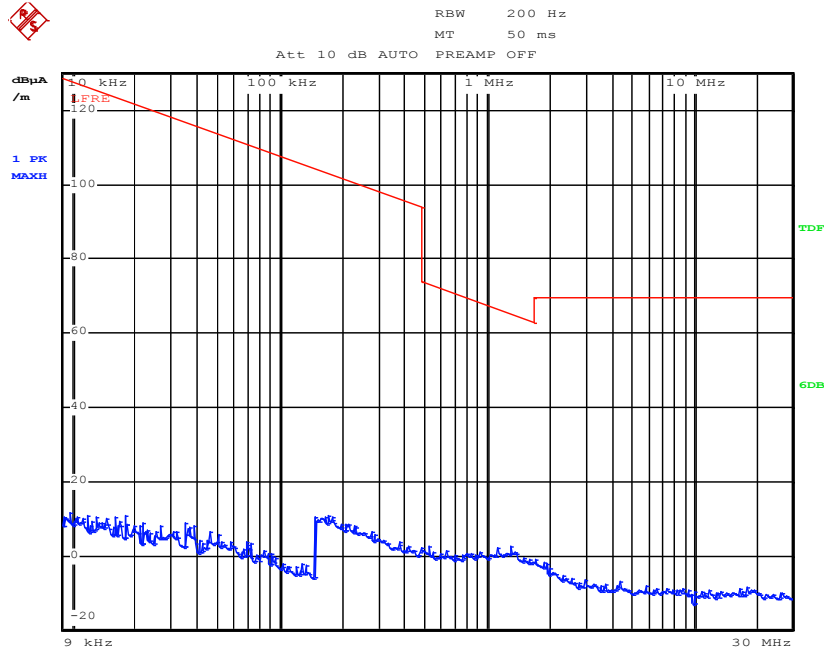
Date: 21.APR.2013 00:34:32

802.11a mode, channel 5745MHz, Z polarization:


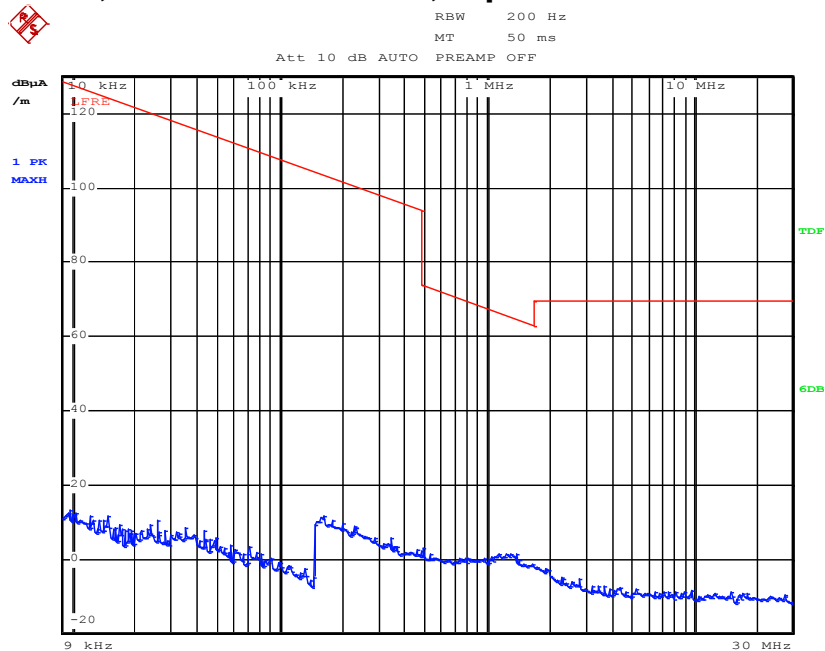
Date: 21.APR.2013 00:38:28

802.11a mode, channel 5825MHz, X polarization:


Date: 21.APR.2013 10:52:53

802.11a mode, channel 5825MHz, Y polarization:


Date: 21.APR.2013 10:50:55

802.11a mode, channel 5825MHz, Z polarization:


Date: 21.APR.2013 10:49:00


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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PYH #1903

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Tablet

Mode: TX 5180MHz

Model: NS-14T004

Manufacturer: Keen High

Polarization: Horizontal

Power Source: AC 120V/60Hz

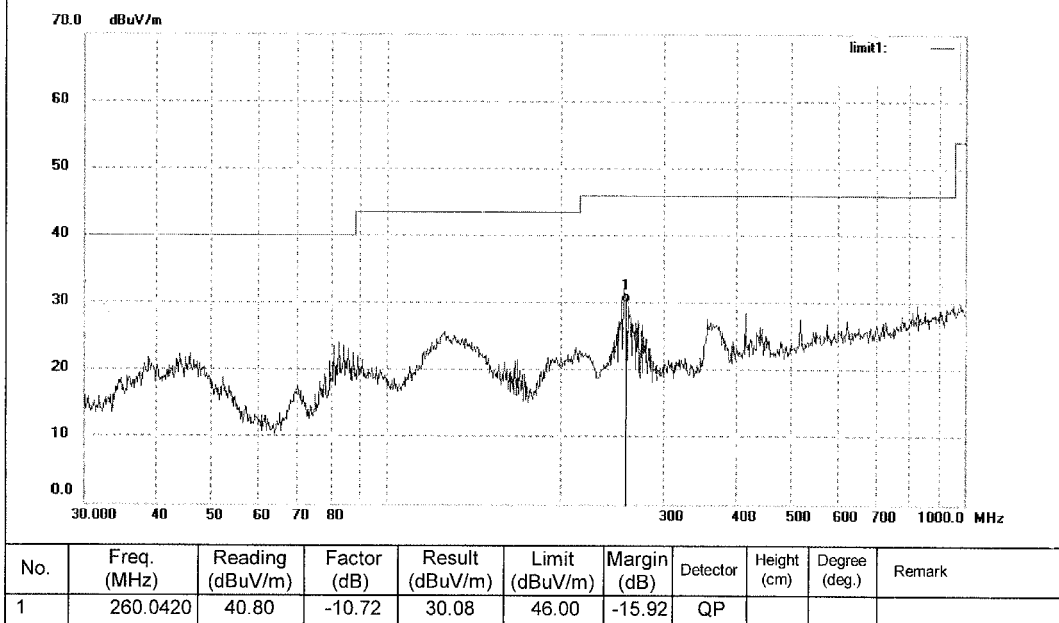
Date: 2013/04/22

Time: 4:55:21

Engineer Signature: PEI

Distance: 3m

Note: 802.11 a




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Job No.: PYH #1904

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Tablet

Mode: TX 5180MHz

Model: NS-14T004

Manufacturer: Keen High

Polarization: Vertical

Power Source: AC 120V/60Hz

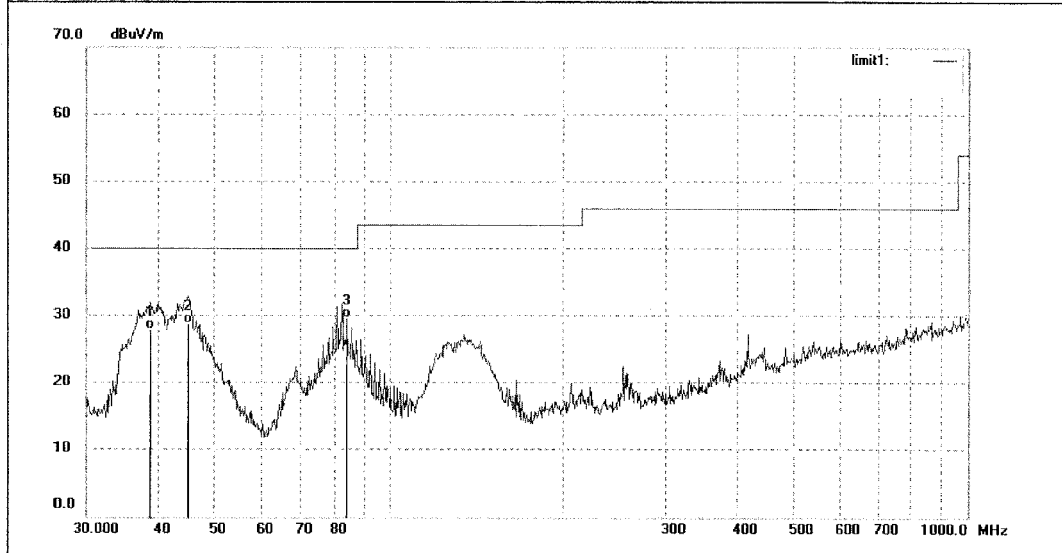
Date: 2013/04/22

Time: 5:04:36

Engineer Signature: PEI

Distance: 3m

Note: 802.11 a



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	38.7714	40.15	-12.27	27.88	40.00	-12.12	QP			
2	44.9369	41.37	-12.64	28.73	40.00	-11.27	QP			
3	84.1819	43.29	-13.57	29.72	40.00	-10.28	QP			


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Job No.: PYH #1905

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Tablet

Mode: TX 5240MHz

Model: NS-14T004

Manufacturer: Keen High

Polarization: Horizontal

Power Source: AC 120V/60Hz

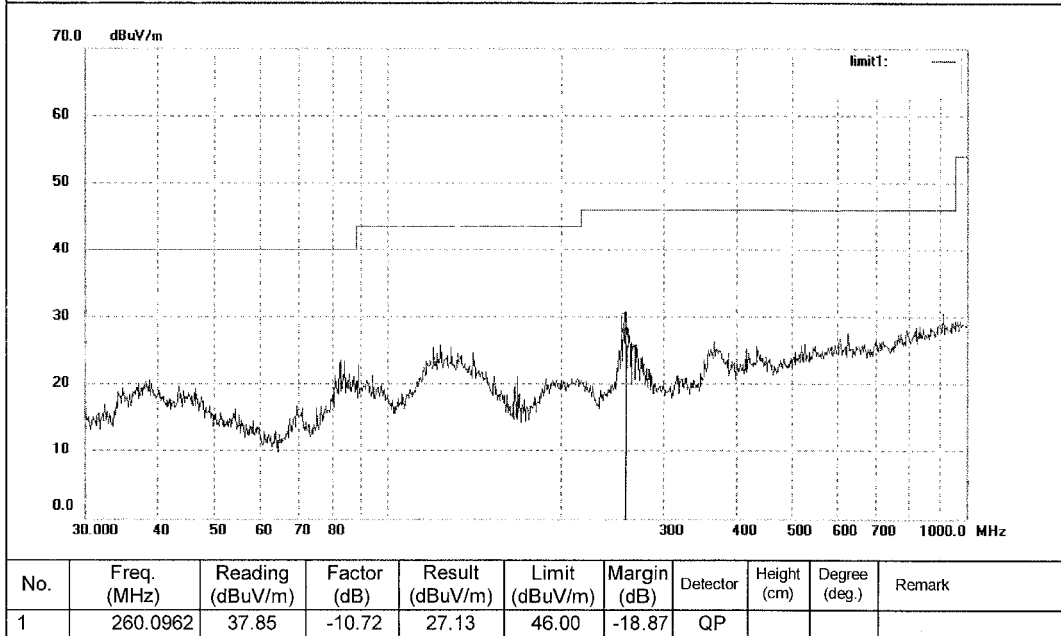
Date: 2013/04/22

Time: 5:12:08

Engineer Signature: PEI

Distance: 3m

Note: 802.11 a




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Site: 2# Chamber

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Job No.: PYH #1906

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Tablet

Mode: TX 5240MHz

Model: NS-14T004

Manufacturer: Keen High

Polarization: Vertical

Power Source: AC 120V/60Hz

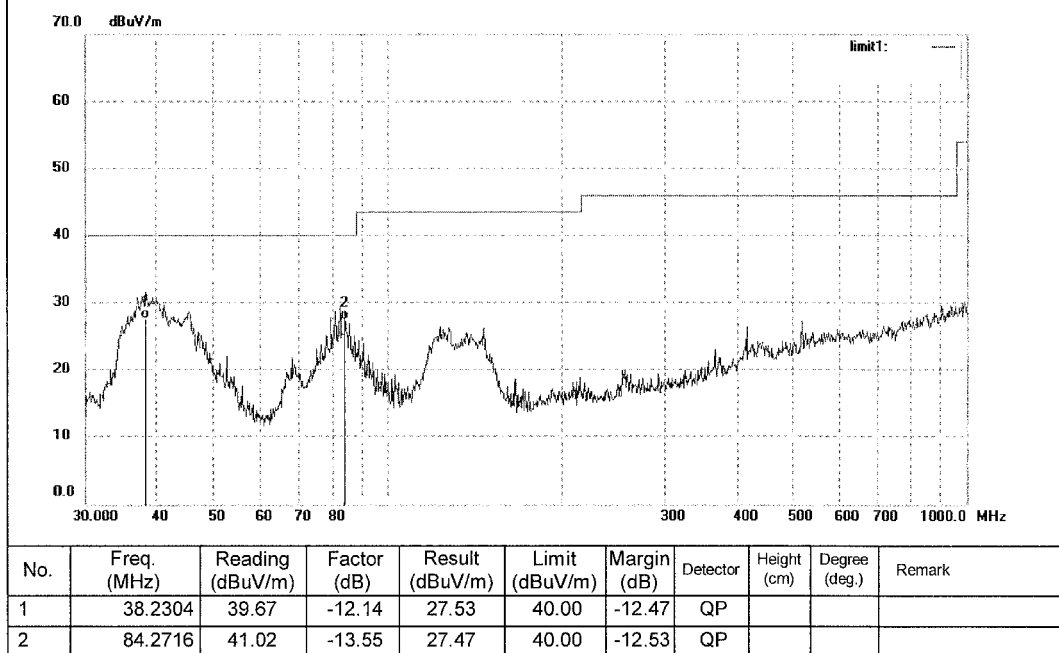
Date: 2013/04/22

Time: 5:20:00

Engineer Signature: PEI

Distance: 3m

Note: 802.11 a




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Job No.: PYH #1908

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Tablet

Mode: TX 5745MHz

Model: NS-14T004

Manufacturer: Keen High

Polarization: Horizontal

Power Source: AC 120V/60Hz

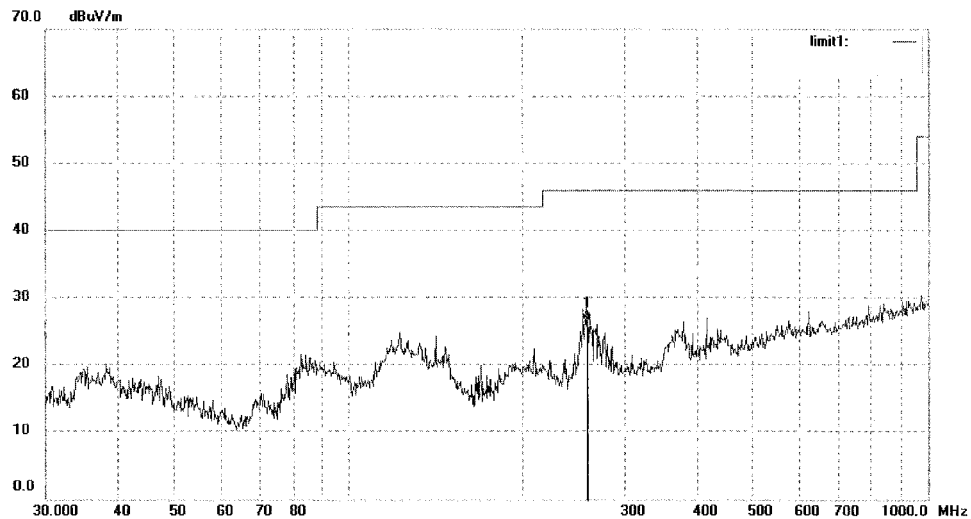
Date: 2013/04/22

Time: 5:36:59

Engineer Signature: PEI

Distance: 3m

Note: 802.11 a



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	260.0709	37.32	-10.72	26.60	46.00	-19.40	QP			


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Job No.: PYH #1907

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Tablet

Mode: TX 5745MHz

Model: NS-14T004

Manufacturer: Keen High

Polarization: Vertical

Power Source: AC 120V/60Hz

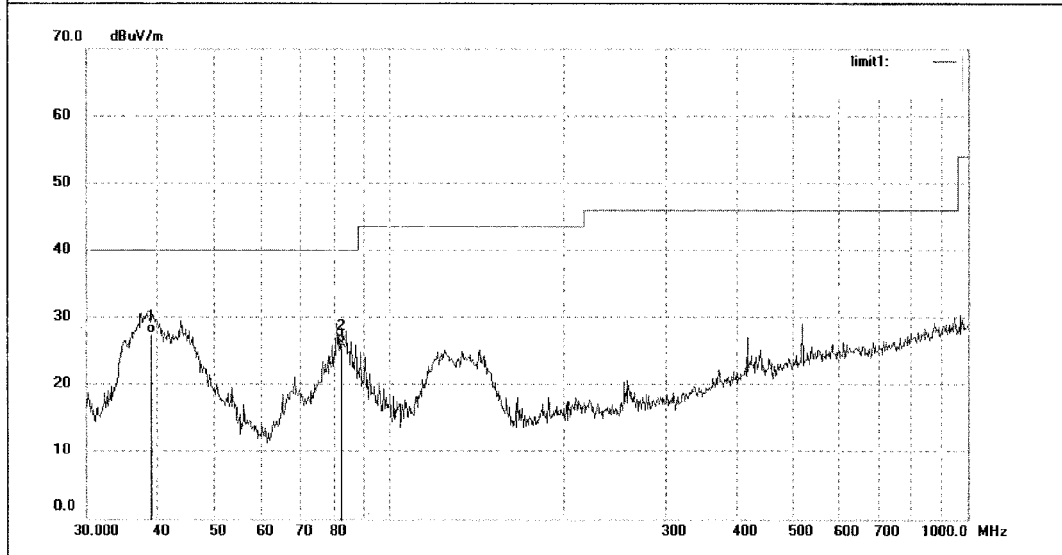
Date: 2013/04/22

Time: 5:27:12

Engineer Signature: PEI

Distance: 3m

Note: 802.11 a



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	39.0264	39.84	-12.33	27.51	40.00	-12.49	QP			
2	82.6799	40.02	-13.92	26.10	40.00	-13.90	QP			


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Job No.: PYH #1909

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Tablet

Mode: TX 5825MHz

Model: NS-14T004

Manufacturer: Keen High

Polarization: Horizontal

Power Source: AC 120V/60Hz

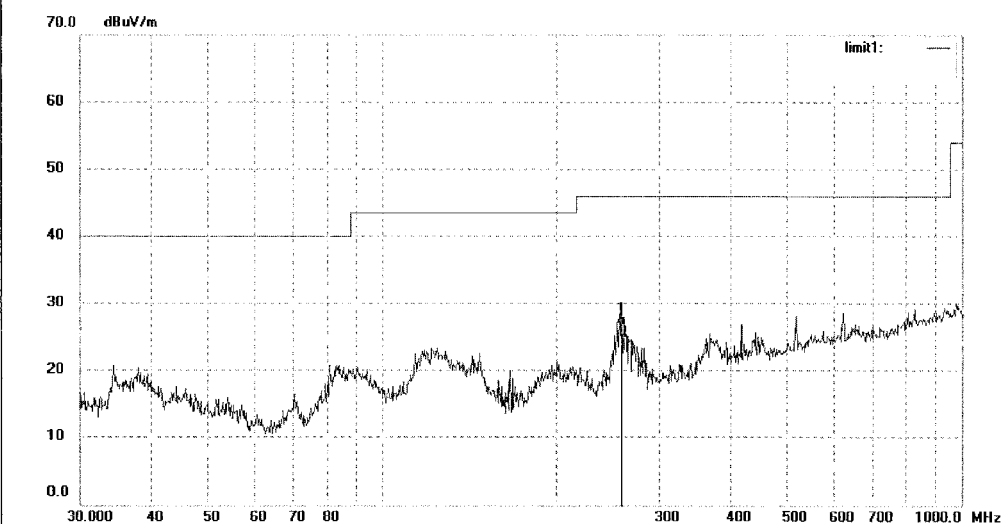
Date: 2013/04/22

Time: 5:45:13

Engineer Signature: PEI

Distance: 3m

Note: 802.11 a



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	260.0789	37.39	-10.72	26.67	46.00	-19.33	QP			


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Job No.: PYH #1910

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Tablet

Mode: TX 5825MHz

Model: NS-14T004

Manufacturer: Keen High

Polarization: Vertical

Power Source: AC 120V/60Hz

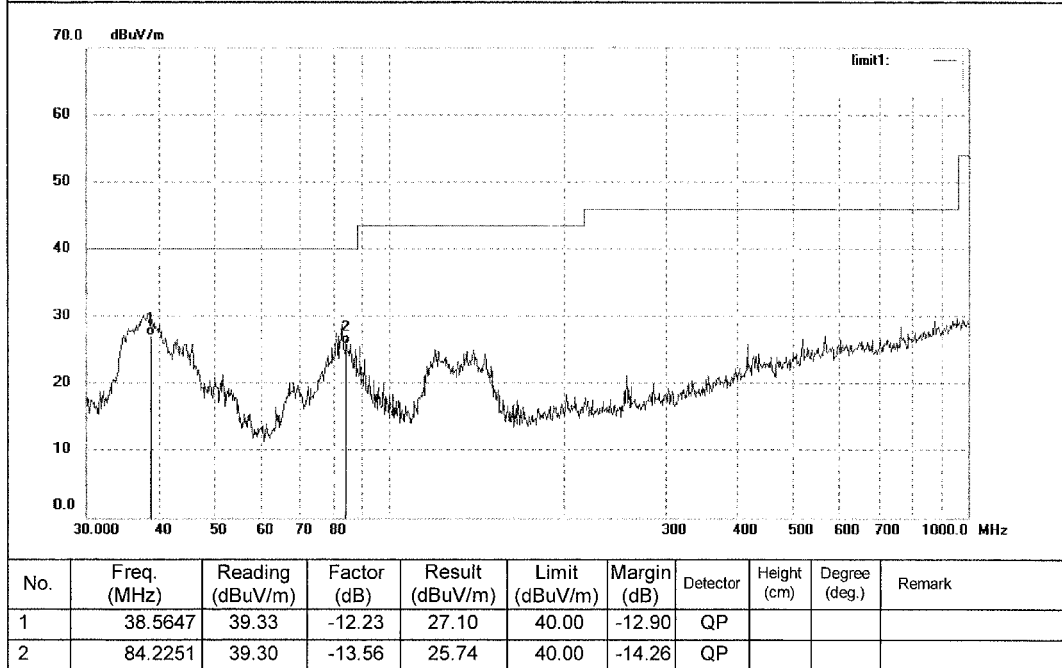
Date: 2013/04/22

Time: 5:53:11

Engineer Signature: PEI

Distance: 3m

Note: 802.11 a




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Site: 2# Chamber

Tel:+86-0755-26503290

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Job No.: PYH #1935

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Tablet

Mode: TX 5180MHz

Model: NS-14T004

Manufacturer: Keen High

Polarization: Horizontal

Power Source: AC 120V/60Hz

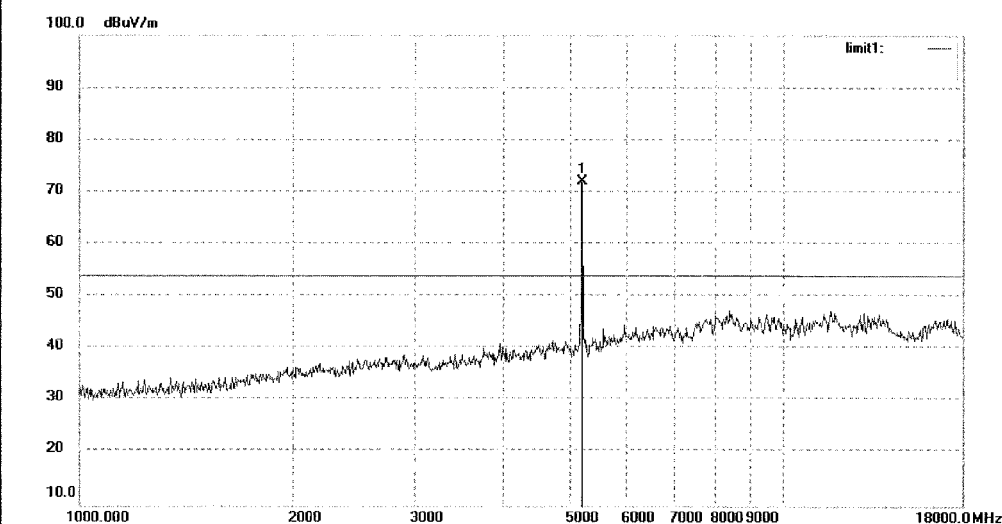
Date: 2013/04/22

Time: 19:34:29

Engineer Signature: PEI

Distance: 3m

Note: 802.11 a



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5180.000	71.36	0.61	/	/	17.97	peak			


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Job No.: PYH #1936

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Tablet

Mode: TX 5180MHz

Model: NS-14T004

Manufacturer: Keen High

Polarization: Vertical

Power Source: AC 120V/60Hz

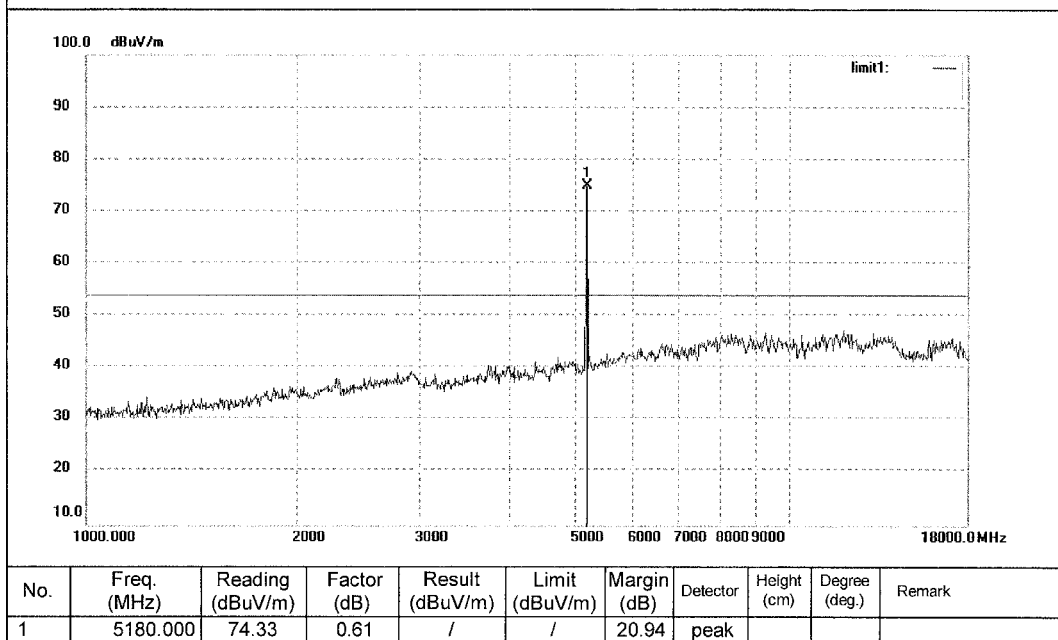
Date: 2013/04/22

Time: 19:46:16

Engineer Signature: PEI

Distance: 3m

Note: 802.11 a




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Site: 2# Chamber

Tel:+86-0755-26503290

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Job No.: PYH #1938

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Tablet

Mode: TX 5240MHz

Model: NS-14T004

Manufacturer: Keen High

Polarization: Horizontal

Power Source: AC 120V/60Hz

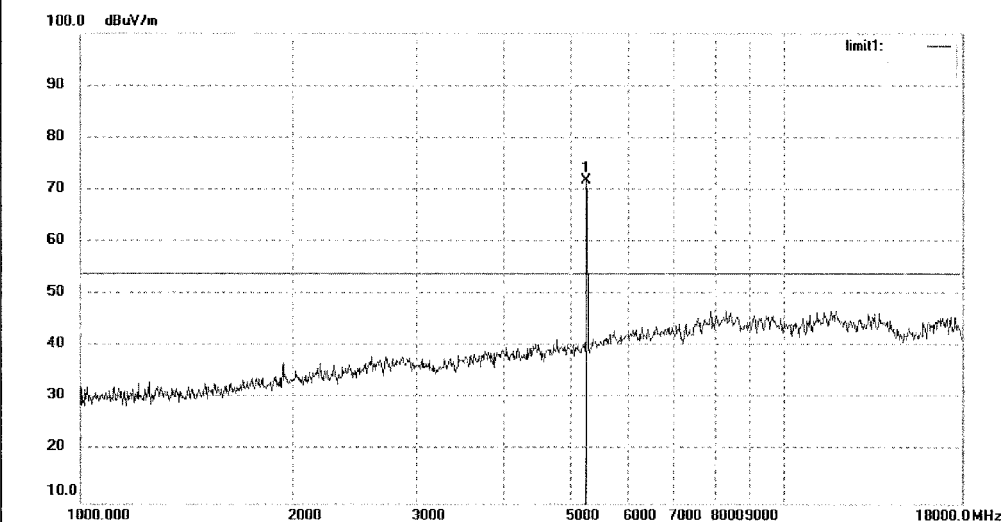
Date: 2013/04/22

Time: 20:09:35

Engineer Signature: PEI

Distance: 3m

Note: 802.11 a



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5240.000	70.98	0.82	/	/	17.80	peak			


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Job No.: PYH #1937

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Tablet

Mode: TX 5240MHz

Model: NS-14T004

Manufacturer: Keen High

Polarization: Vertical

Power Source: AC 120V/60Hz

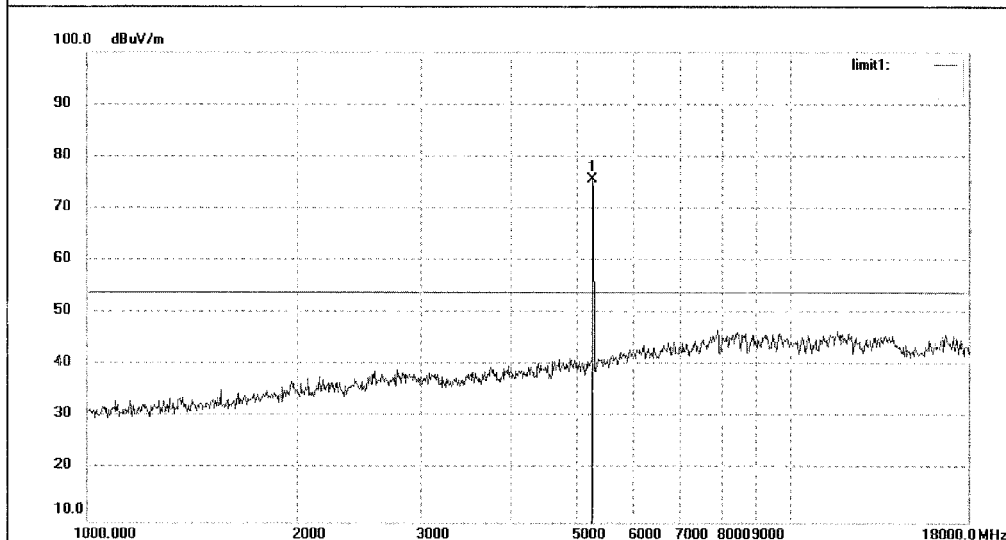
Date: 2013/04/22

Time: 19:57:05

Engineer Signature: PEI

Distance: 3m

Note: 802.11 a



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5240.000	74.78	0.82	/	/	21.60	peak			


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Fax:+86-0755-26503396

Job No.: PYH #1945

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Tablet

Mode: TX 5745MHz

Model: NS-14T004

Manufacturer: Keen High

Polarization: Horizontal

Power Source: AC 120V/60Hz

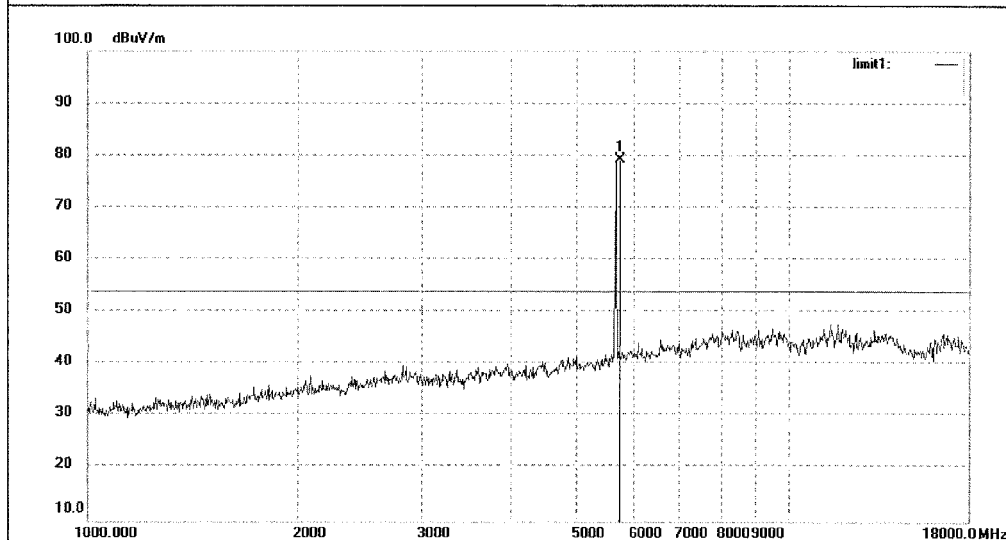
Date: 2013/04/22

Time: 21:23:54

Engineer Signature: PEI

Distance: 3m

Note: 802.11 a



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5745.000	77.70	1.50	/	/	25.20	peak			


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Job No.: PYH #1946

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Tablet

Mode: TX 5745MHz

Model: NS-14T004

Manufacturer: Keen High

Polarization: Vertical

Power Source: AC 120V/60Hz

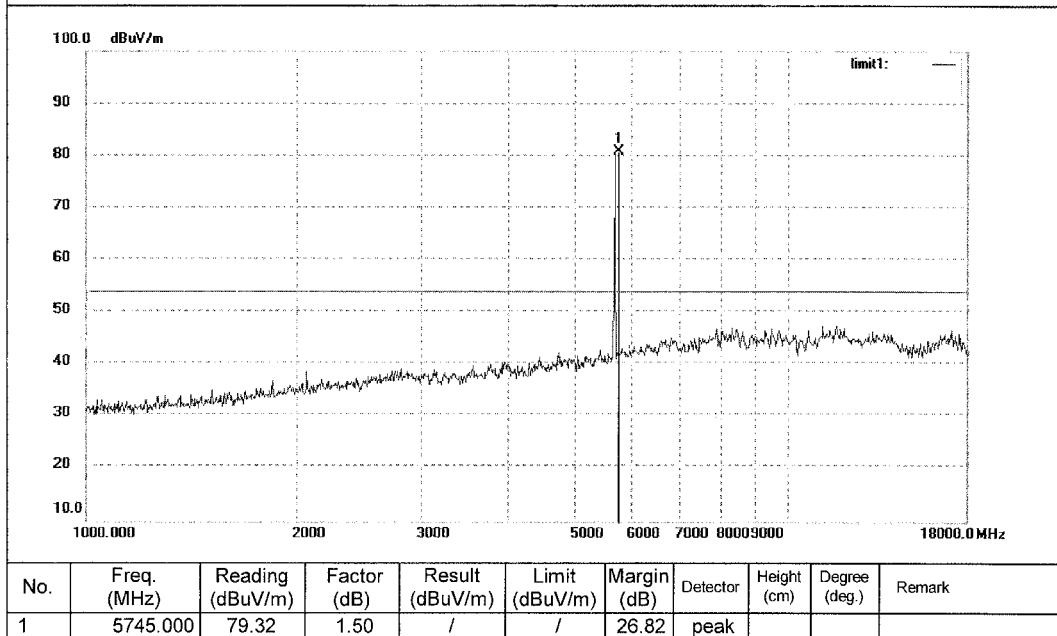
Date: 2013/04/22

Time: 21:35:24

Engineer Signature: PEI

Distance: 3m

Note: 802.11 a




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Site: 2# Chamber

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Job No.: PYH #1948

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Tablet

Mode: TX 5825MHz

Model: NS-14T004

Manufacturer: Keen High

Polarization: Horizontal

Power Source: AC 120V/60Hz

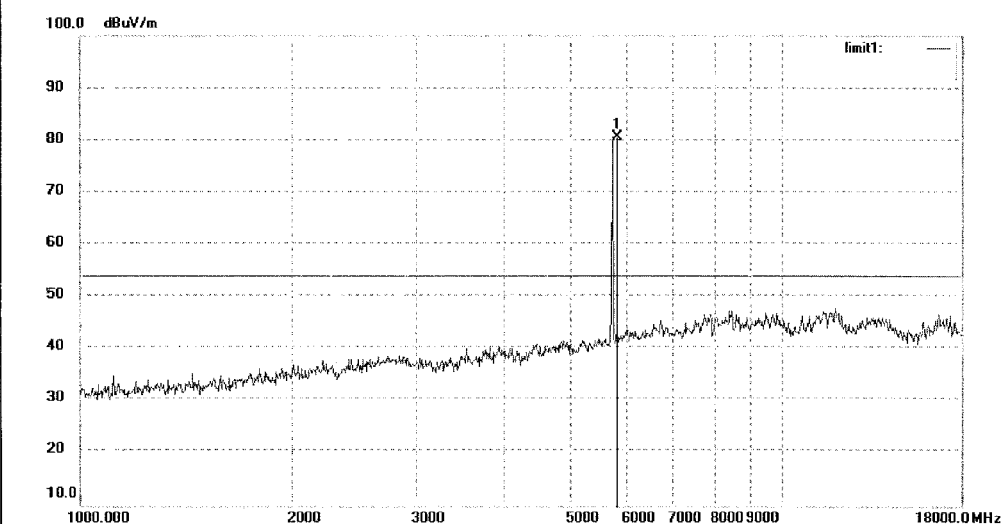
Date: 2013/04/22

Time: 21:57:00

Engineer Signature: PEI

Distance: 3m

Note: 802.11 a



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5825.000	78.51	1.97	/	/	26.48	peak			


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Job No.: PYH #1947

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Tablet

Mode: TX 5825MHz

Model: NS-14T004

Manufacturer: Keen High

Polarization: Vertical

Power Source: AC 120V/60Hz

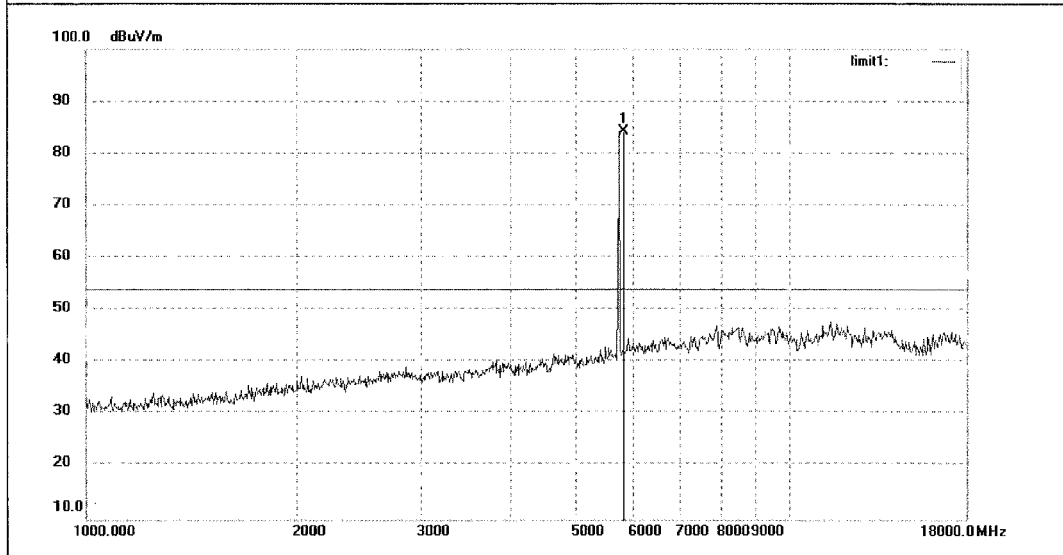
Date: 2013/04/22

Time: 21:46:23

Engineer Signature: PEI

Distance: 3m

Note: 802.11 a



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5825.000	82.27	1.97	/	/	30.24	peak			


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Job No.: PYH #1989

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Tablet

Mode: TX 5180MHz

Model: NS-14T004

Manufacturer: Keen High

Polarization: Horizontal

Power Source: AC 120V/60Hz

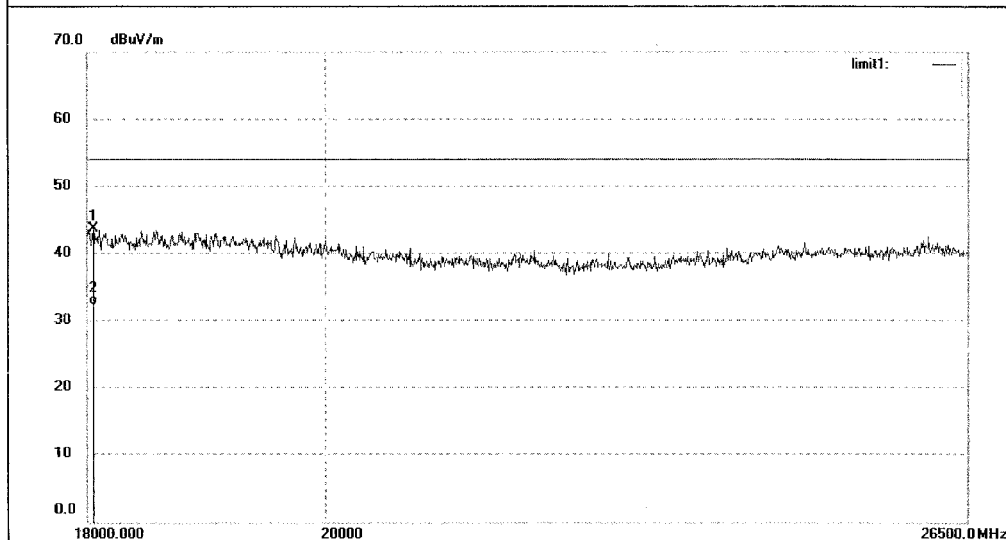
Date: 13/04/25/

Time: 8/37/04

Engineer Signature: PEI

Distance: 3m

Note: 802.11 a



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	18048.897	27.46	16.21	43.67	74.00	-30.33	peak			
2	18048.897	15.99	16.21	32.20	54.00	-21.80	AVG			


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Job No.: PYH #1990

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Tablet

Mode: TX 5180MHz

Model: NS-14T004

Manufacturer: Keen High

Polarization: Vertical

Power Source: AC 120V/60Hz

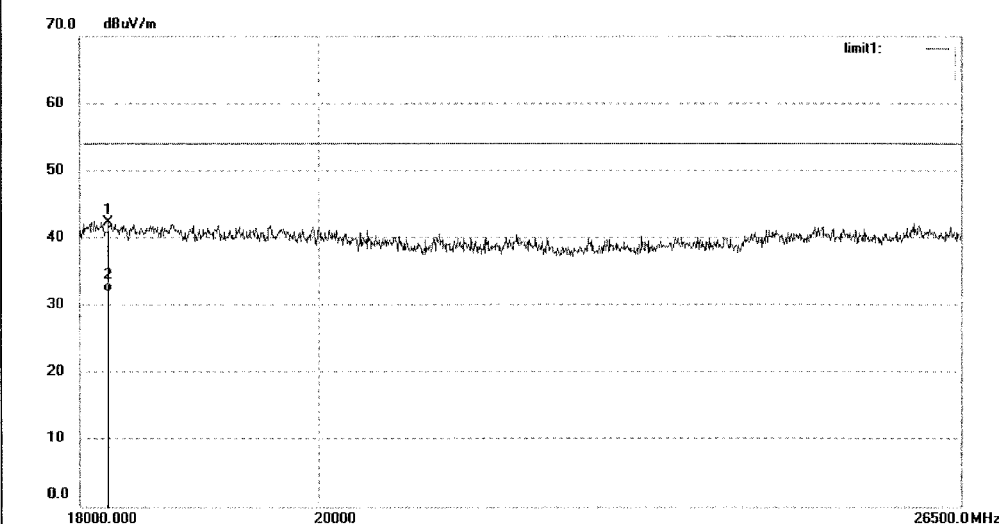
Date: 13/04/25/

Time: 8/45/14

Engineer Signature: PEI

Distance: 3m

Note: 802.11 a



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	18231.682	25.60	16.61	42.21	74.00	-31.79	peak			
2	18231.682	15.38	16.61	31.99	54.00	-22.01	AVG			


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Job No.: PYH #1992

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Tablet

Mode: TX 5240MHz

Model: NS-14T004

Manufacturer: Keen High

Polarization: Horizontal

Power Source: AC 120V/60Hz

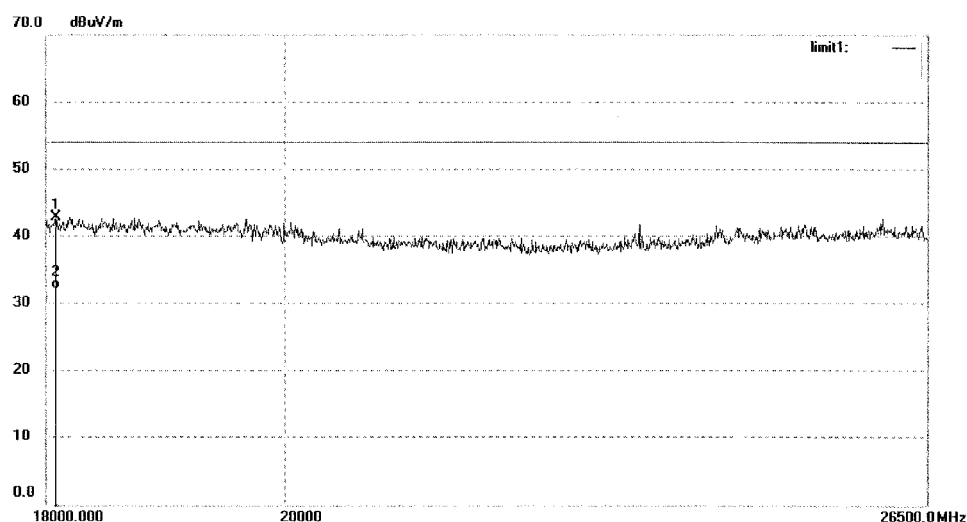
Date: 13/04/25/

Time: 9/02/45

Engineer Signature: PEI

Distance: 3m

Note: 802.11 a



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	18076.898	26.60	16.27	42.87	74.00	-31.13	peak			
2	18076.898	15.79	16.27	32.06	54.00	-21.94	AVG			


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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PYH #1991

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Tablet

Mode: TX 5240MHz

Model: NS-14T004

Manufacturer: Keen High

Polarization: Vertical

Power Source: AC 120V/60Hz

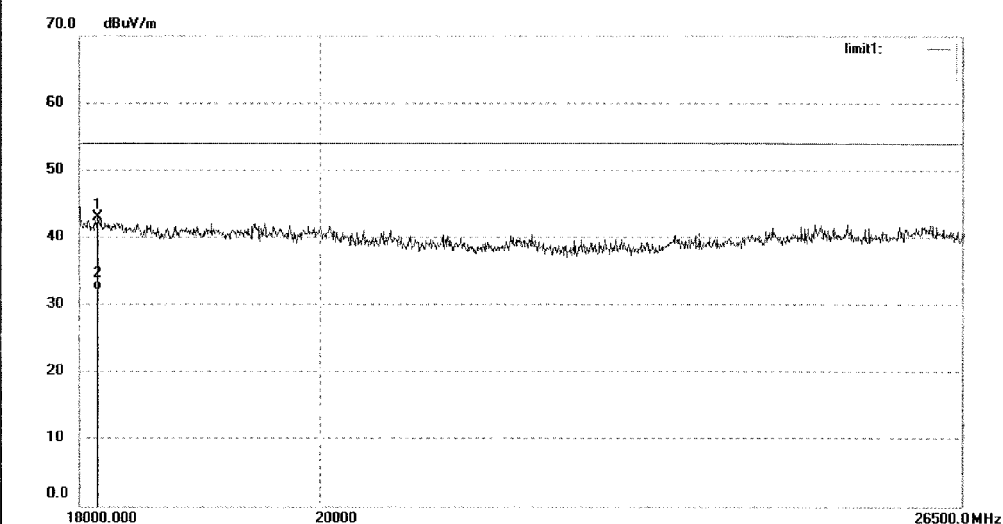
Date: 13/04/25/

Time: 8/53/21

Engineer Signature: PEI

Distance: 3m

Note: 802.11 a



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	18147.091	26.51	16.42	42.93	74.00	-31.07	peak			
2	18147.091	15.68	16.42	32.10	54.00	-21.90	AVG			


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Tel: +86-0755-26503290

Fax: +86-0755-26503396

Job No.: PYH #1993

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Tablet

Mode: TX 5745MHz

Model: NS-14T004

Manufacturer: Keen High

Polarization: Horizontal

Power Source: AC 120V/60Hz

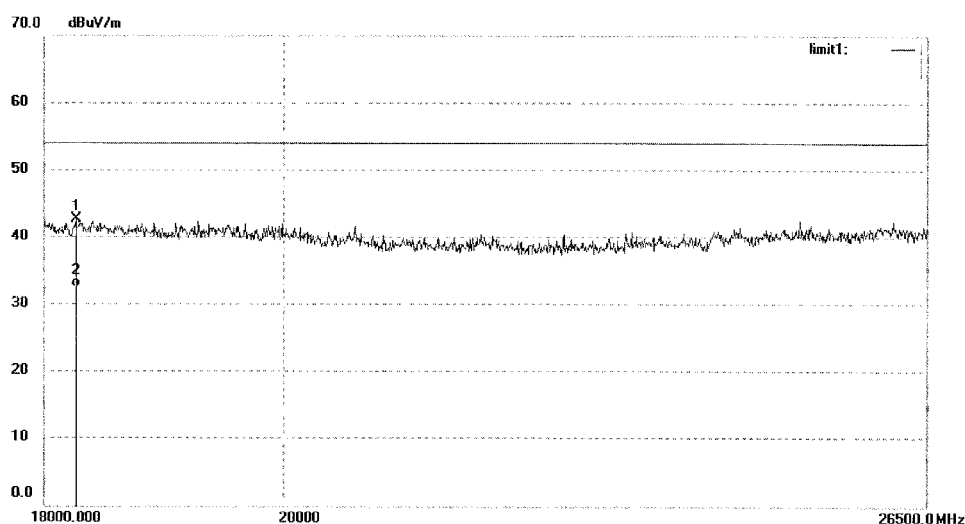
Date: 13/04/25/

Time: 9/11/54

Engineer Signature: PEI

Distance: 3m

Note: 802.11 a



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	18252.891	26.01	16.66	42.67	74.00	-31.33	peak			
2	18252.891	15.80	16.66	32.46	54.00	-21.54	AVG			


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Fax:+86-0755-26503396

Job No.: PYH #1994

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Tablet

Mode: TX 5745MHz

Model: NS-14T004

Manufacturer: Keen High

Polarization: Vertical

Power Source: AC 120V/60Hz

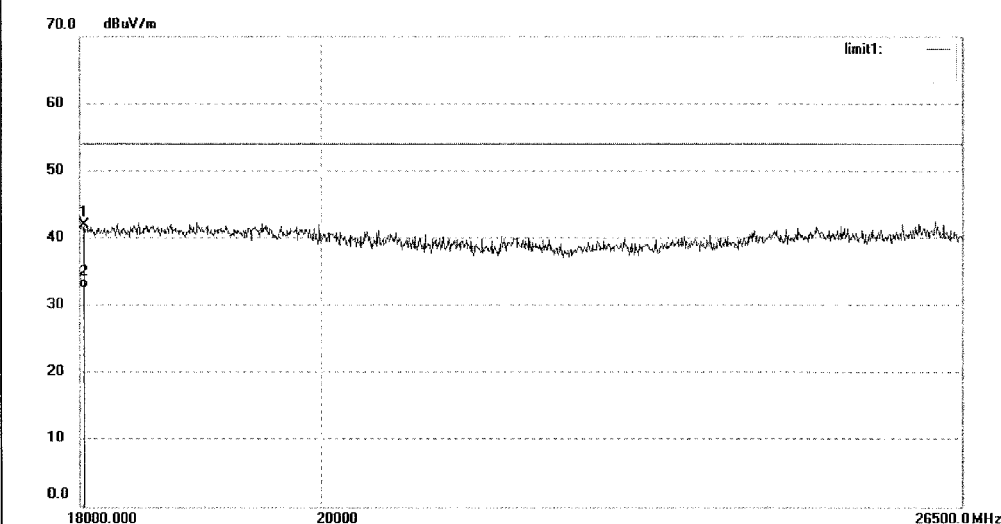
Date: 13/04/25/

Time: 9/20/24

Engineer Signature: PEI

Distance: 3m

Note: 802.11 a



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	18034.913	25.69	16.18	41.87	74.00	-32.13	peak			
2	18034.913	16.24	16.18	32.42	54.00	-21.58	AVG			


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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PYH #1996

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Tablet

Mode: TX 5825MHz

Model: NS-14T004

Manufacturer: Keen High

Polarization: Vertical

Power Source: AC 120V/60Hz

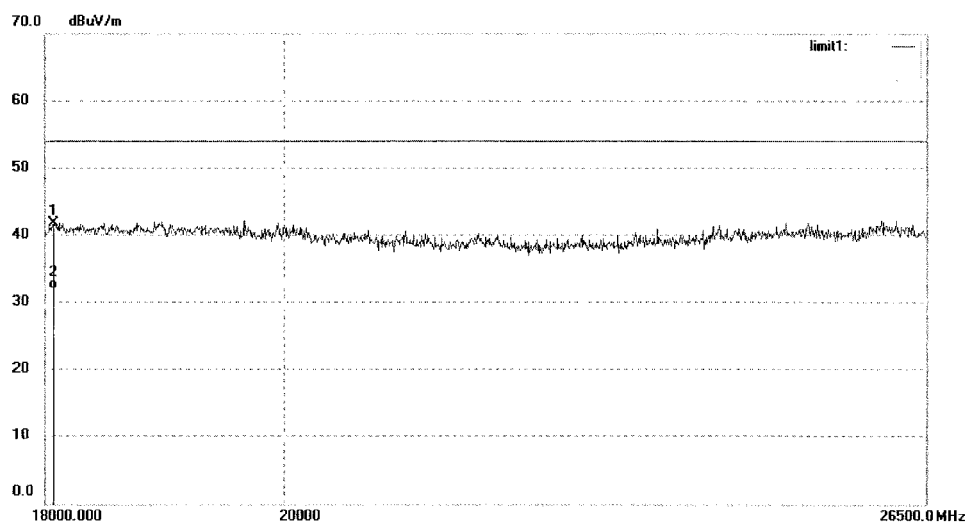
Date: 13/04/25/

Time: 9/36/20

Engineer Signature: PEI

Distance: 3m

Note: 802.11 a



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	18069.894	25.44	16.25	41.69	74.00	-32.31	peak			
2	18069.894	15.69	16.25	31.94	54.00	-22.06	AVG			


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Fax:+86-0755-26503396

Job No.: PYH #1995

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Tablet

Mode: TX 5825MHz

Model: NS-14T004

Manufacturer: Keen High

Polarization: Vertical

Power Source: AC 120V/60Hz

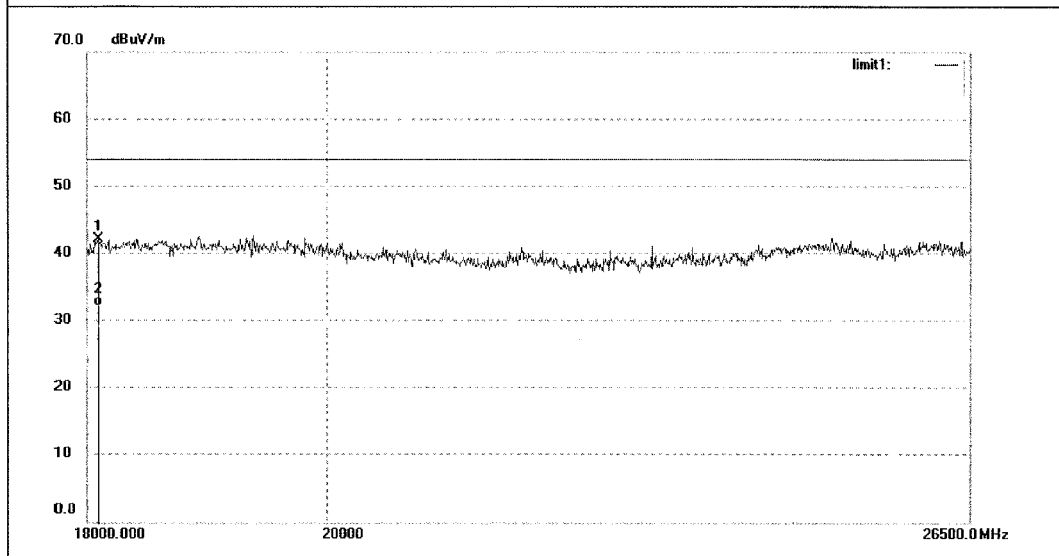
Date: 13/04/25/

Time: 9/28/18

Engineer Signature: PEI

Distance: 3m

Note: 802.11 a



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	18090.915	25.75	16.30	42.05	74.00	-31.95	peak			
2	18090.915	15.83	16.30	32.13	54.00	-21.87	AVG			



Test

1 / 1

Radiated Emission

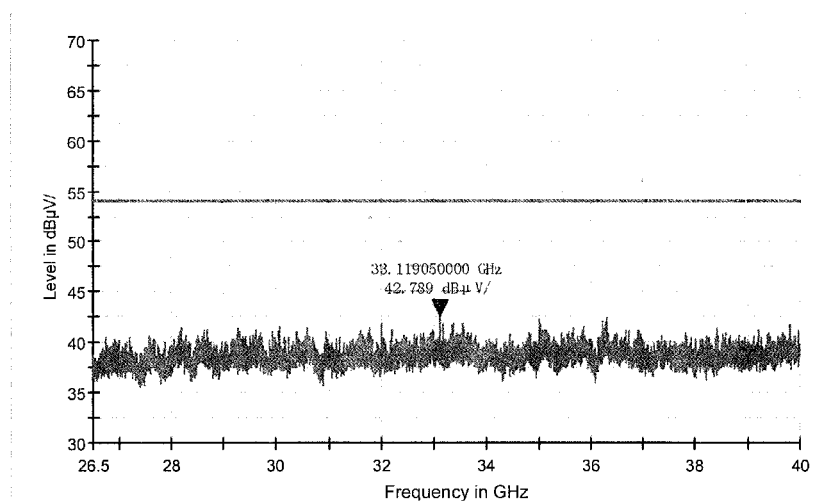
EUT Information

EUT Model Name: Tablet M/N: NS-14T004
Operation mode: TX 5180MHz
Test Voltage: AC 120V/60Hz
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment Conditions:
Antenna Polarization: Horizontal
Operator Name:
Comment:

FCC Electric Field Strength 26.5-40GHz



Test

1 / 1

Radiated Emission

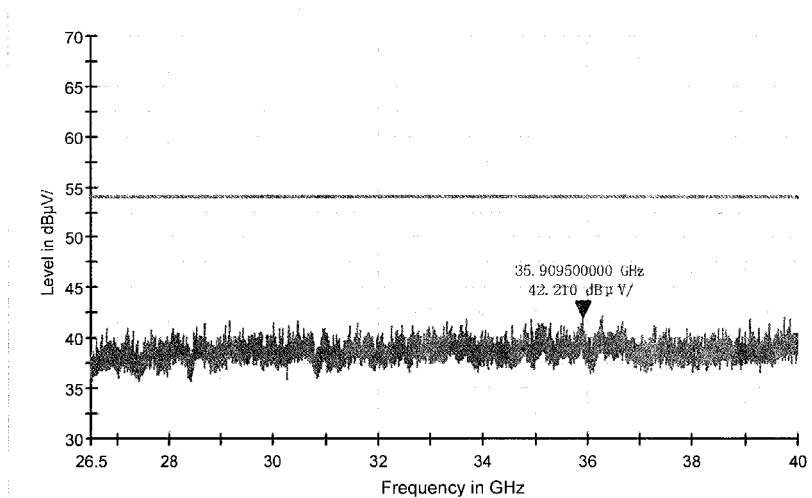
EUT Information

EUT Model Name: Tablet M/N: NS-14T004
Operation mode: TX 5180MHz
Test Voltage: AC 120V/60Hz
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment Conditions:
Antenna Polarization: Vertical
Operator Name:
Comment: AC 120V/60Hz

FCC Electric Field Strength 26.5-40GHz



Test

1 / 1

Radiated Emission

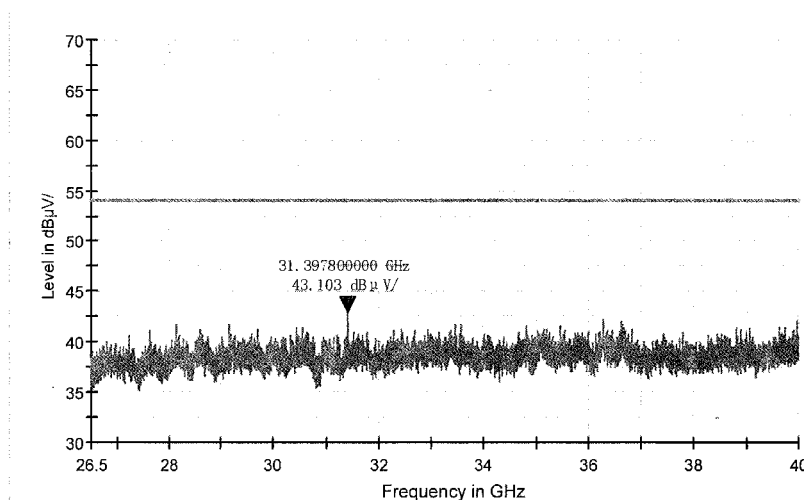
EUT Information

EUT Model Name: Tablet M/N: NS-14T004
Operation mode: TX 5240MHz
Test Voltage: AC 120V/60Hz
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment Conditions:
Antenna Polarization: Horizontal
Operator Name:
Comment: AC 120V/60Hz

FCC Electric Field Strength 26.5-40GHz



Test

1 / 1

Radiated Emission

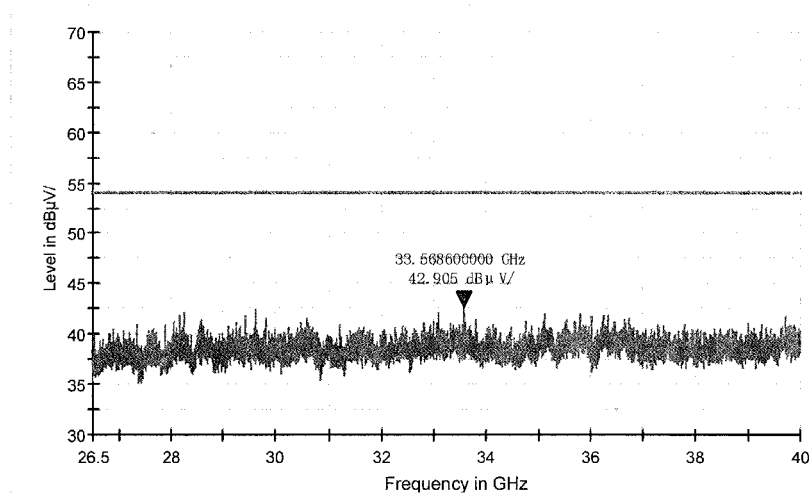
EUT Information

EUT Model Name: Tablet M/N: NS-14T004
Operation mode: TX 5240MHz
Test Voltage: AC 120V/60Hz
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment Conditions:
Antenna Polarization: Vertical
Operator Name:
Comment: AC 120V/60Hz

FCC Electric Field Strength 26.5-40GHz



Test

1 / 1

Radiated Emission

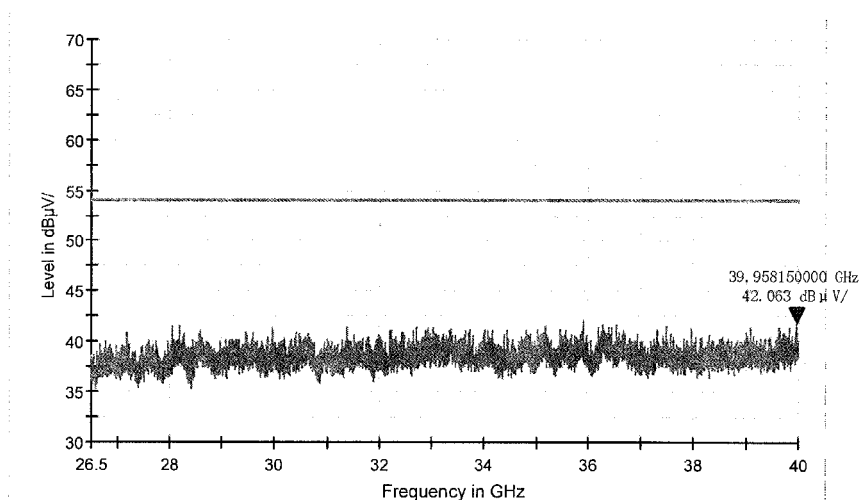
EUT Information

EUT Model Name: Tablet M/N: NS-14T004
Operation mode: TX 5745MHz
Test Voltage: AC 120V/60Hz
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment Conditions:
Antenna Polarization: Horizontal
Operator Name:
Comment: AC 120V/60Hz

FCC Electric Field Strength 26.5-40GHz



Test

1 / 1

Radiated Emission

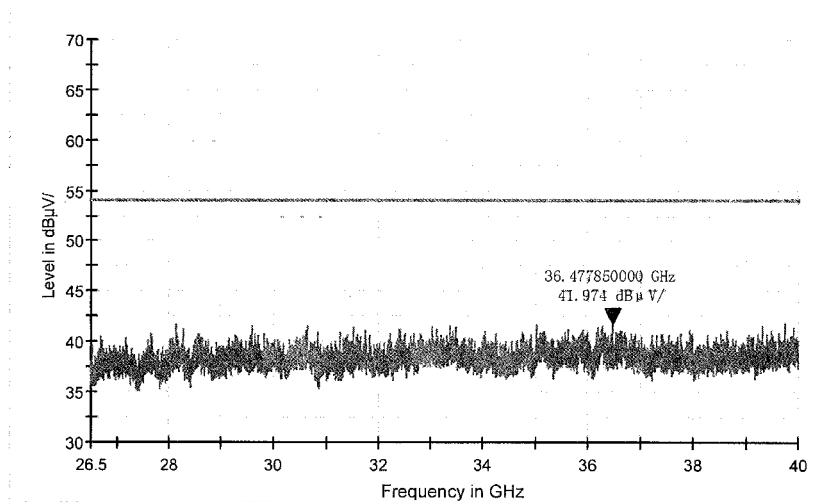
EUT Information

EUT Model Name: Tablet M/N: NS-14T004
Operation mode: TX 5745MHz
Test Voltage: AC 120V/60Hz
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment Conditions:
Antenna Polarization: Vertical
Operator Name:
Comment: AC 120V/60Hz

FCC Electric Field Strength 26.5-40GHz



Test

1 / 1

Radiated Emission

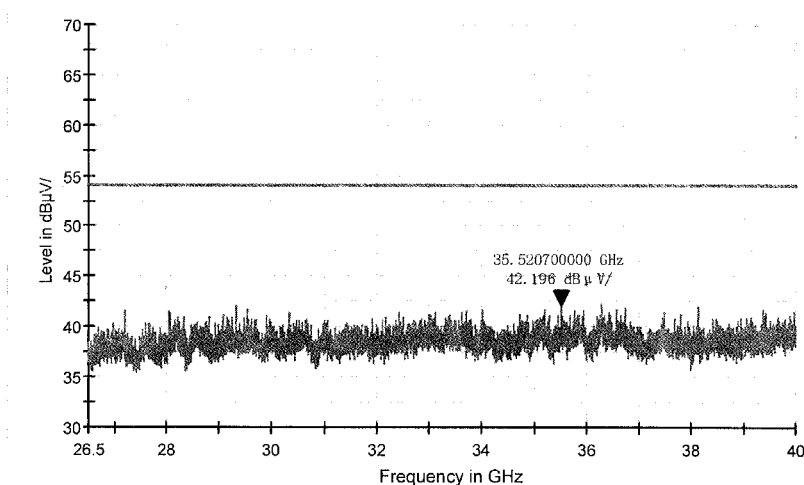
EUT Information

EUT Model Name: Tablet M/N: NS-14T004
Operation mode: TX 5825MHz
Test Voltage: AC 120V/60Hz
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment Conditions:
Antenna Polarization: Horizontal
Operator Name:
Comment: AC 120V/60Hz

FCC Electric Field Strength 26.5-40GHz



Test

1 / 1

Radiated Emission

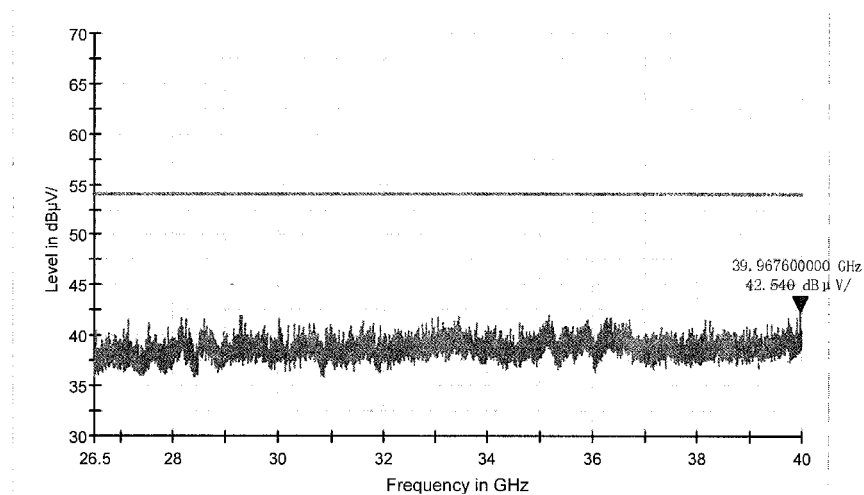
EUT Information

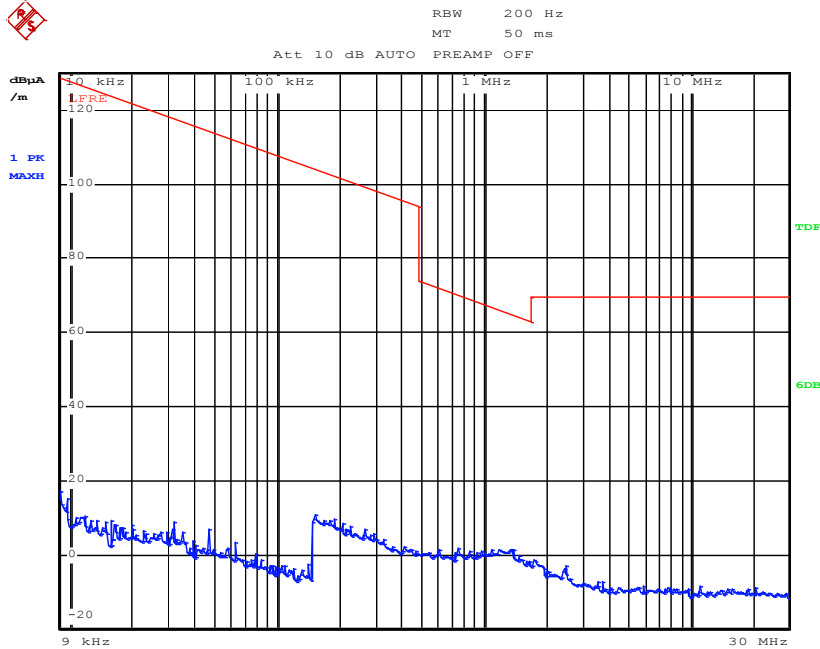
EUT Model Name:	Tablet M/N: NS-14T004
Operation mode:	TX 5825MHz
Test Voltage:	AC 120V/60Hz
Comment:	

Common Information

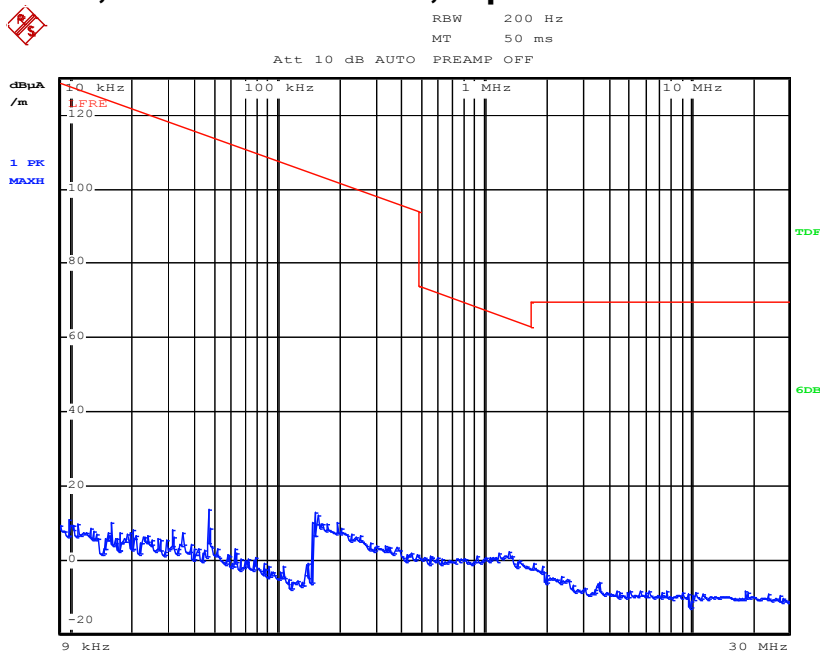
Test Site:	SMQ EMC Lab.
Environment Conditions:	
Antenna Polarization:	Vertical
Operator Name:	
Comment:	AC 120V/60Hz

FCC Electric Field Strength 26.5-40GHz

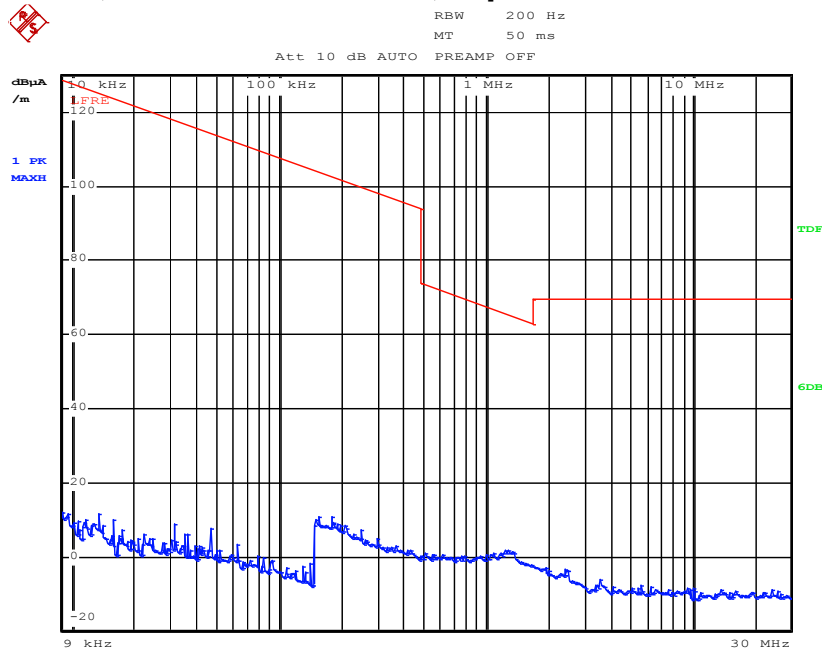


**Test Plot of Spurious Emission of transmitting
 802.11n mode, channel 5180MHz, X polarization:**


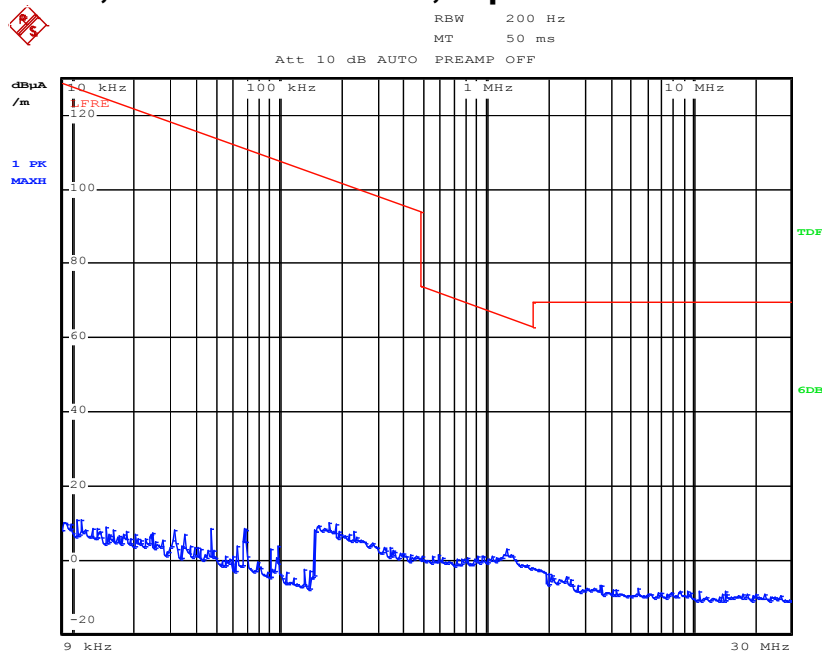
Date: 21.APR.2013 00:40:31

802.11n mode, channel 5180MHz, Y polarization:


Date: 21.APR.2013 00:42:30

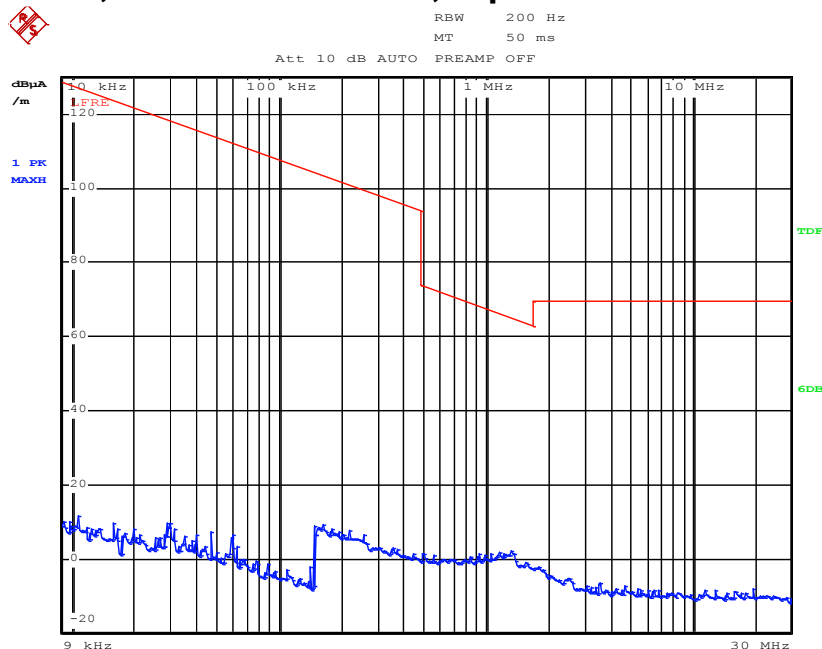
802.11n mode, channel 5180MHz, Z polarization:


Date: 21.APR.2013 00:44:28

802.11n mode, channel 5240MHz, X polarization:


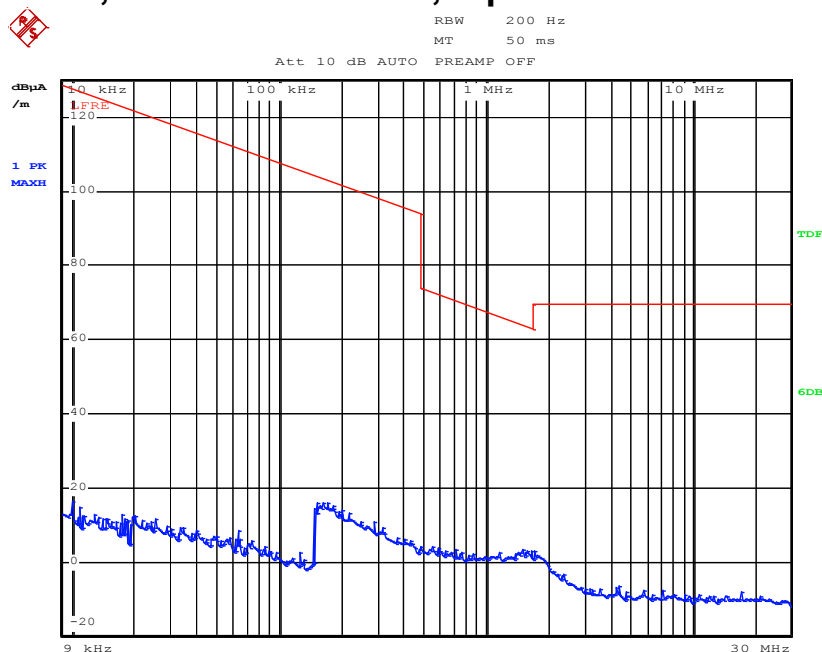
Date: 21.APR.2013 00:46:25

802.11n mode, channel 5240MHz, Y polarization:

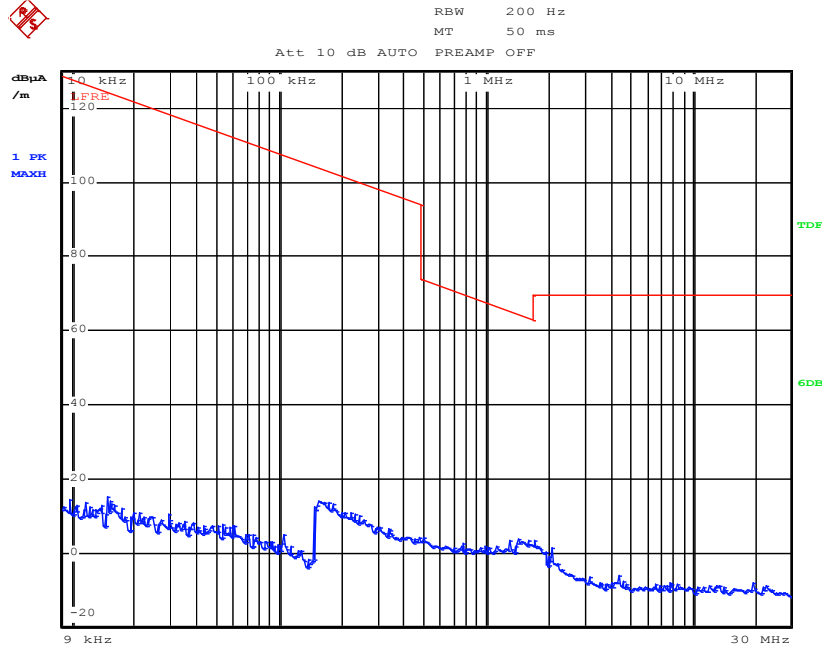


Date: 21.APR.2013 00:48:22

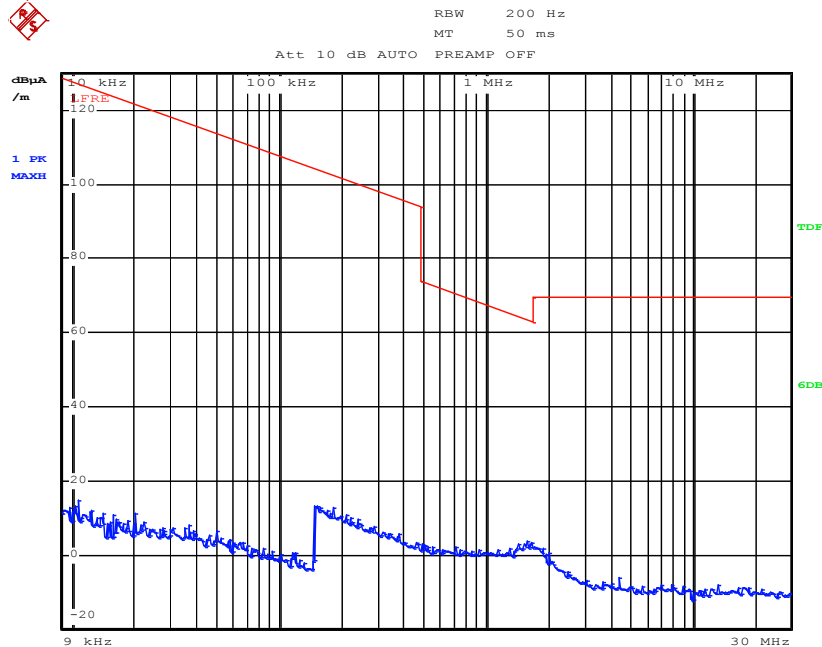
802.11n mode, channel 5240MHz, Z polarization:



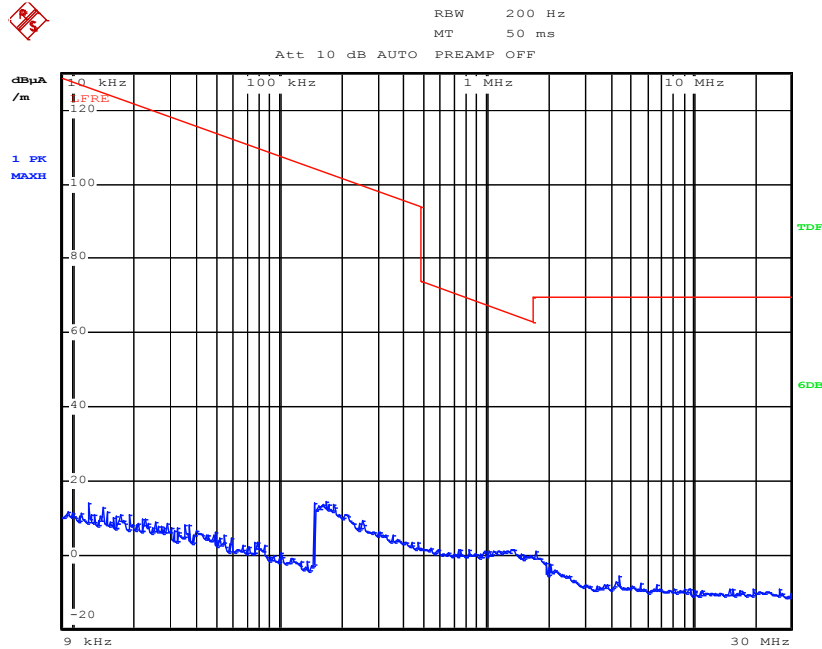
Date: 21.APR.2013 09:39:38

802.11n mode, channel 5745MHz, X polarization:


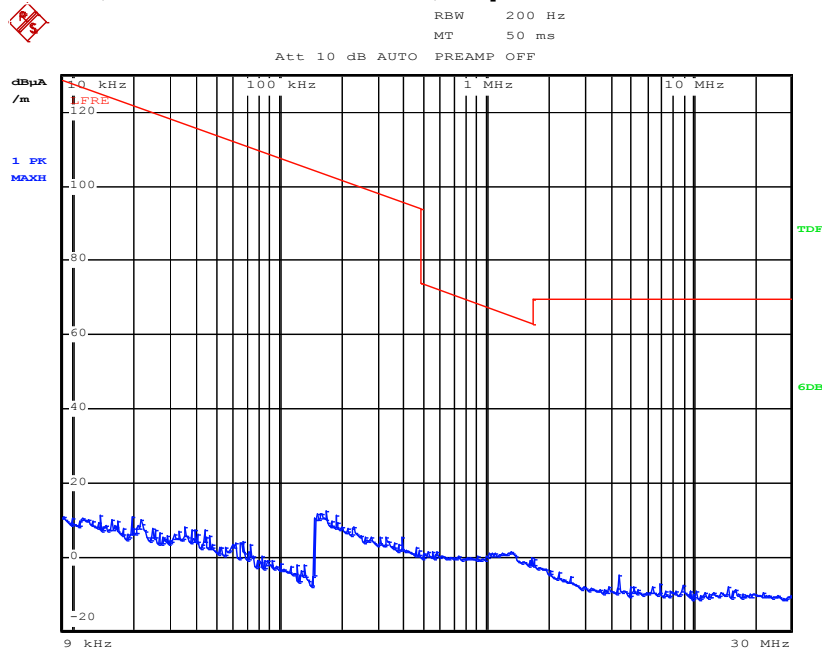
Date: 21.APR.2013 09:41:39

802.11n mode, channel 5745MHz, Y polarization:


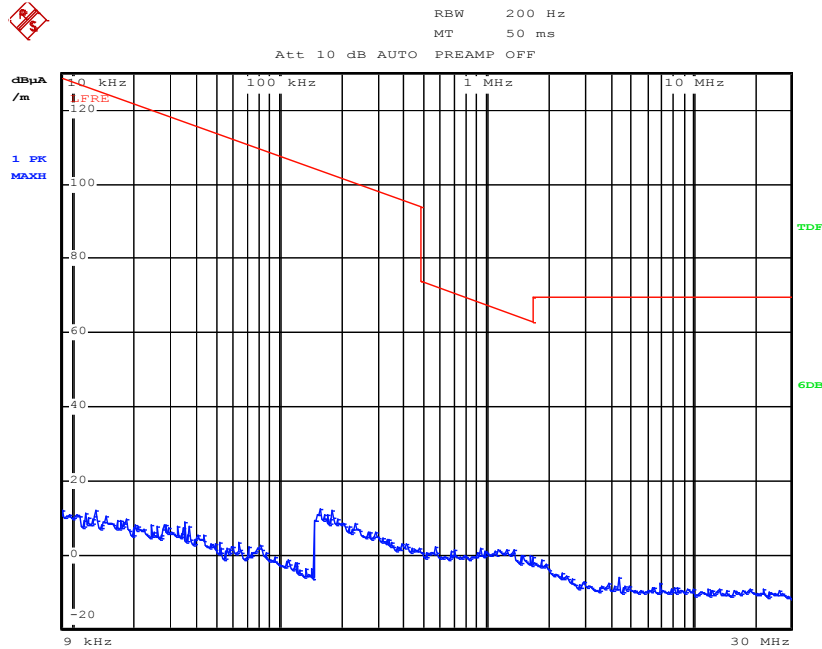
Date: 21.APR.2013 09:43:37

Prüfbericht - Nr.: 17032143 002
Test Report No.
Seite 69 von 201
Page 69 of 201
802.11n mode, channel 5745MHz, Z polarization:


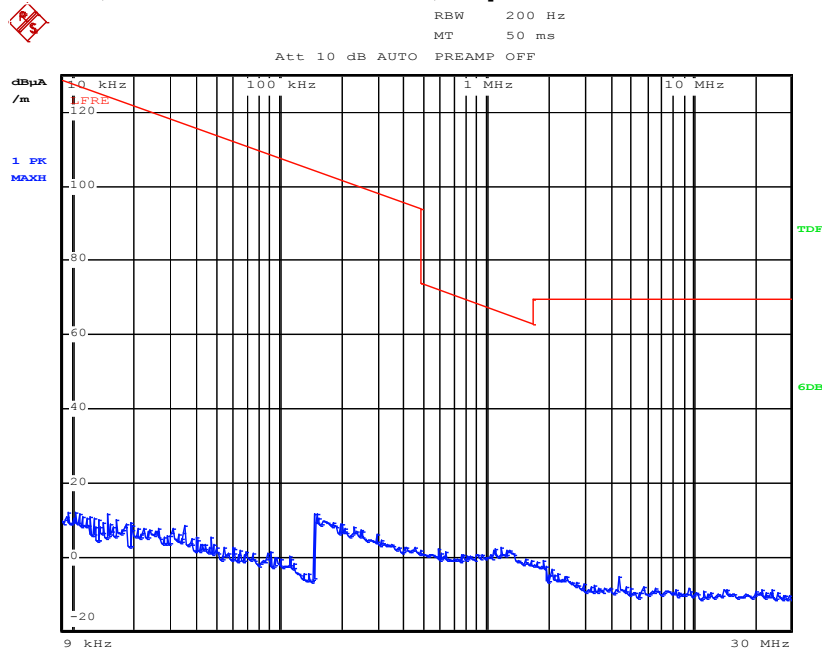
Date: 21.APR.2013 10:09:33

802.11n mode, channel 5825MHz, X polarization:


Date: 21.APR.2013 10:54:51

802.11n mode, channel 5825MHz, Y polarization:


Date: 21.APR.2013 10:56:50

802.11n mode, channel 5825MHz, Z polarization:


Date: 21.APR.2013 10:58:45


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Site: 2# Chamber

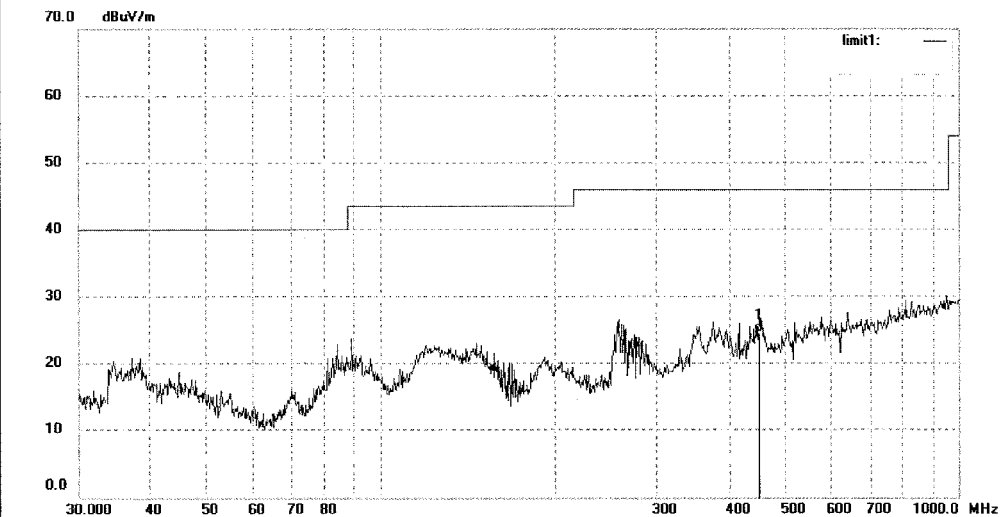
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PYH #1920
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Tablet
Mode: TX 5180MHz
Model: NS-14T004
Manufacturer: Keen High

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 2013/04/22
Time: 7:19:33
Engineer Signature: PEI
Distance: 3m

Note: 802.11 n



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	450.4159	30.39	-5.79	24.60	46.00	-21.40	QP			


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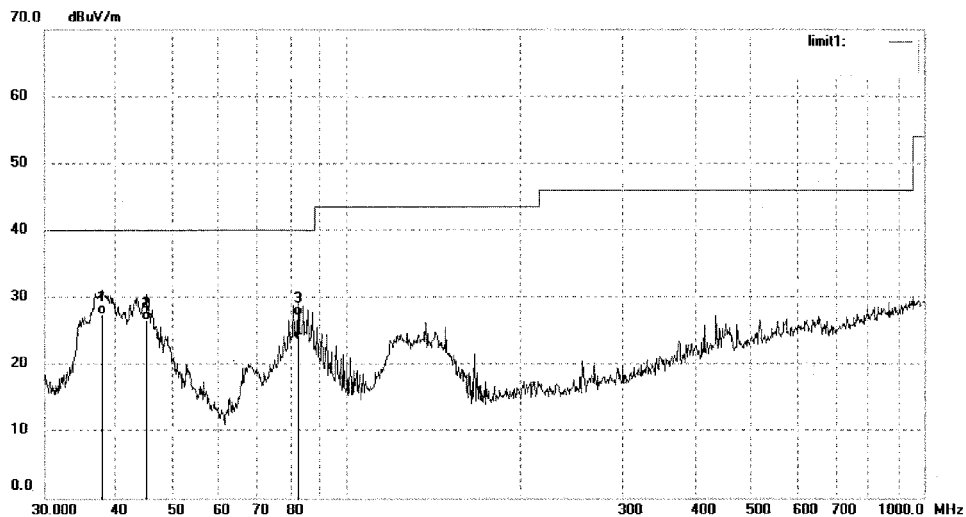
Site: 2# Chamber

Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: PYH #1919
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Tablet
Mode: TX 5180MHz
Model: NS-14T004
Manufacturer: Keen High

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 2013/04/22
Time: 7:10:27
Engineer Signature: PEI
Distance: 3m

Note: 802.11 n



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	37.8297	39.41	-12.06	27.35	40.00	-12.65	QP			
2	45.0951	39.08	-12.64	26.44	40.00	-13.56	QP			
3	82.5257	41.15	-13.95	27.20	40.00	-12.80	QP			


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Site: 2# Chamber

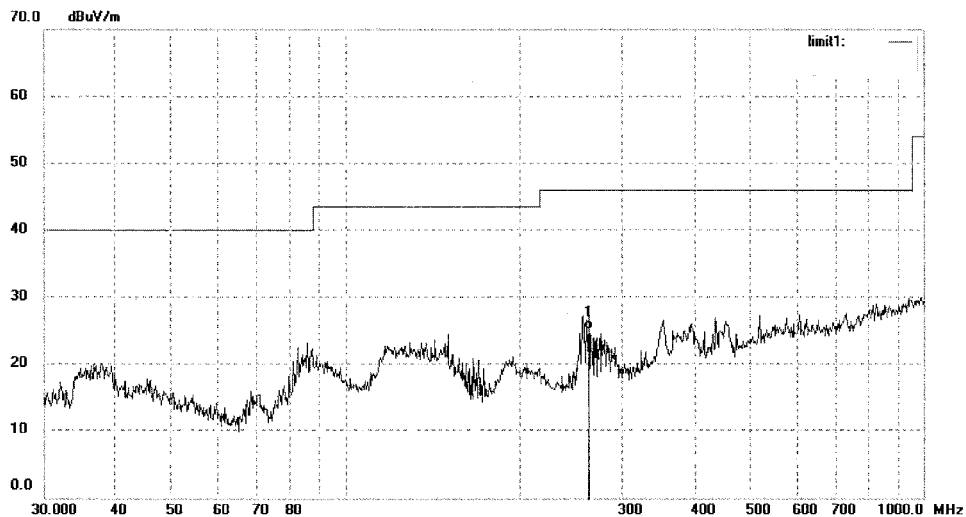
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PYH #1921
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Tablet
Mode: TX 5240MHz
Model: NS-14T004
Manufacturer: Keen High

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 2013/04/22
Time: 7:28:13
Engineer Signature: PEI
Distance: 3m

Note: 802.11 n



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	261.4459	35.77	-10.63	25.14	46.00	-20.86	QP			


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Site: 2# Chamber

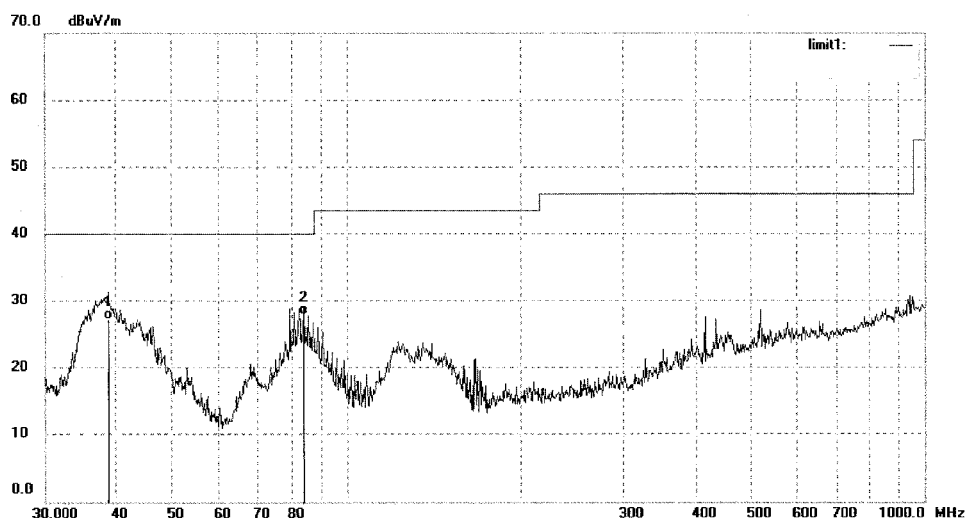
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PYH #1922
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Tablet
Mode: TX 5240MHz
Model: NS-14T004
Manufacturer: Keen High

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 2013/04/22
Time: 7:37:23
Engineer Signature: PEI
Distance: 3m

Note: 802.11 n



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	38.6357	39.50	-12.23	27.27	40.00	-12.73	QP			
2	84.1550	41.41	-13.58	27.83	40.00	-12.17	QP			


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Site: 2# Chamber

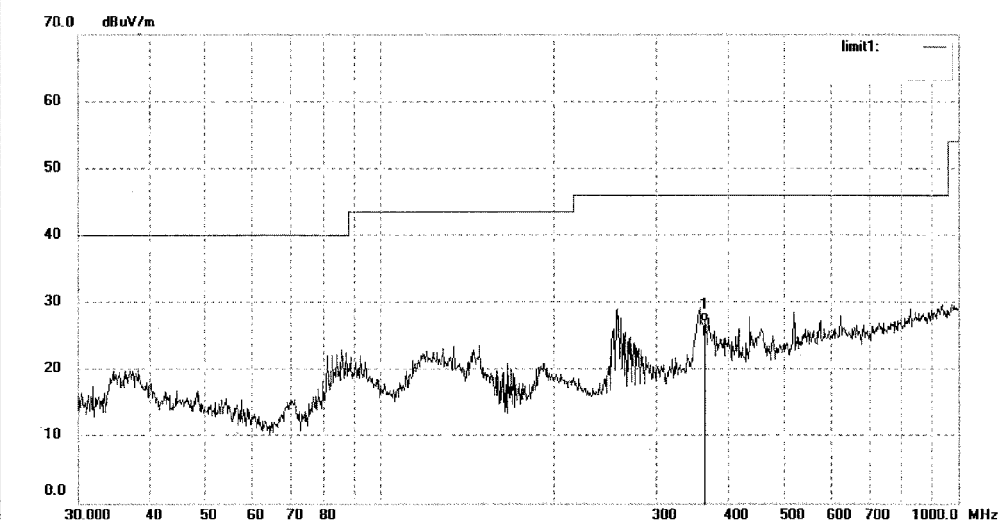
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PYH #1924
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Tablet
Mode: TX 5745MHz
Model: NS-14T004
Manufacturer: Keen High

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 2013/04/22
Time: 7:56:57
Engineer Signature: PEI
Distance: 3m

Note: 802.11 n



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	361.9990	34.69	-7.59	27.10	46.00	-18.90	QP			


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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber

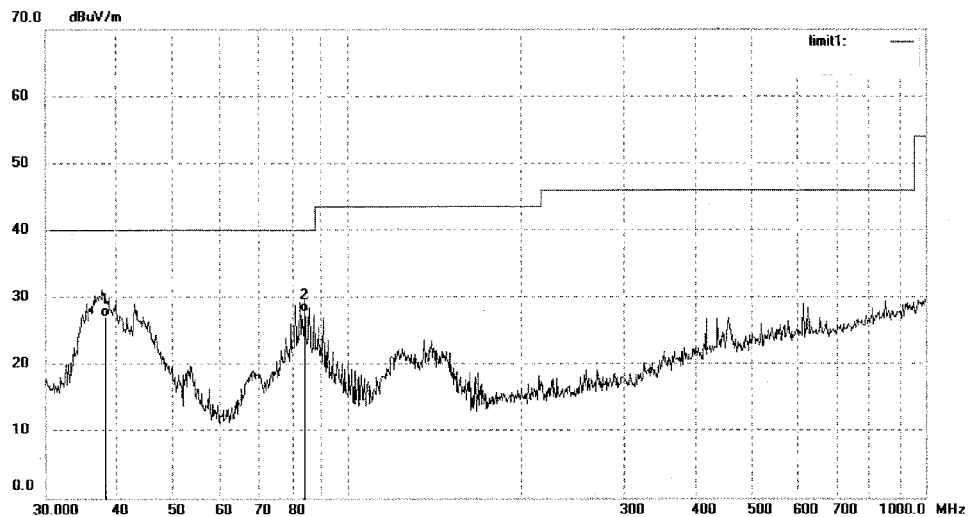
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PYH #1923
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Tablet
Mode: TX 5745MHz
Model: NS-14T004
Manufacturer: Keen High

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 2013/04/22
Time: 7:48:39
Engineer Signature: PEI
Distance: 3m

Note: 802.11 n



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	38.4970	39.22	-12.21	27.01	40.00	-12.99	QP			
2	84.1329	41.37	-13.58	27.79	40.00	-12.21	QP			


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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber

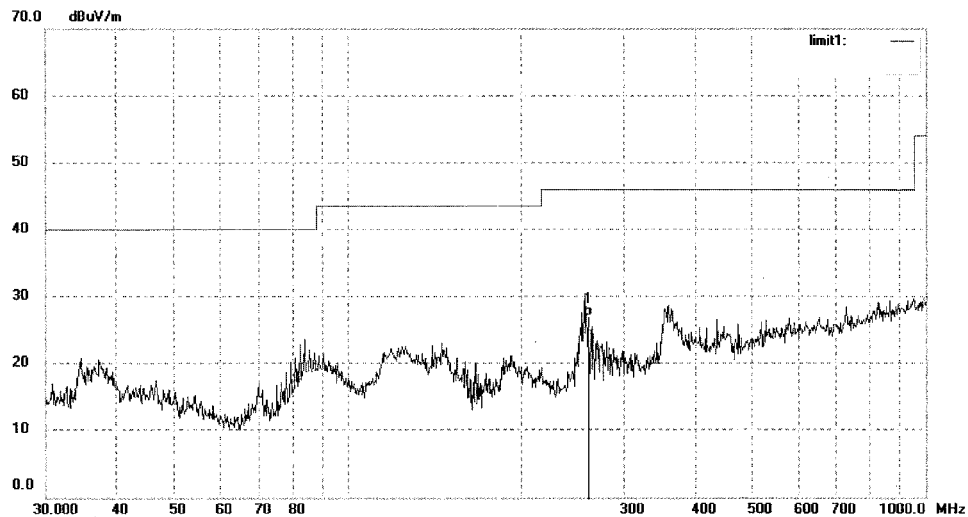
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PYH #1925
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Tablet
Mode: TX 5825MHz
Model: NS-14T004
Manufacturer: Keen High

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 2013/04/22
Time: 8:04:12
Engineer Signature: PEI
Distance: 3m

Note: 802.11 n



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	261.4030	37.70	-10.63	27.07	46.00	-18.93	QP			

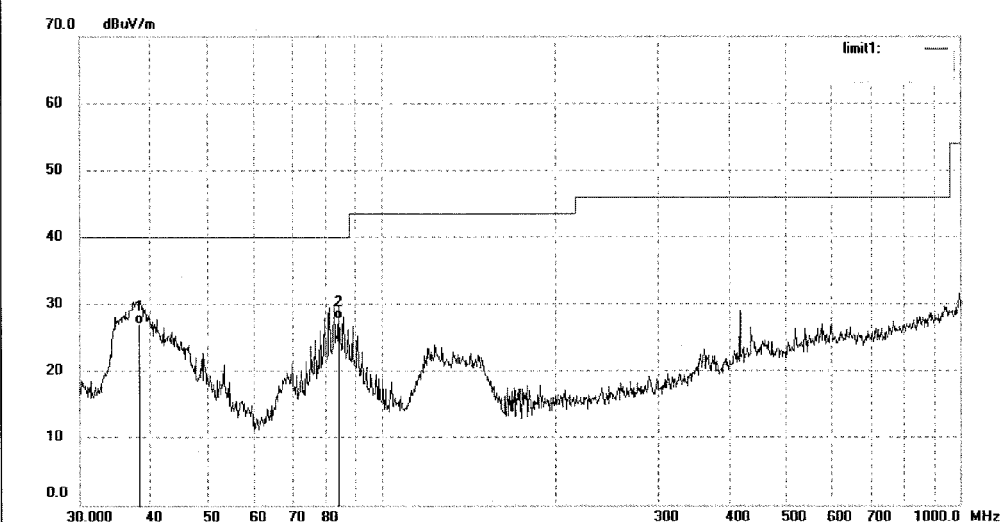

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 Site: 2# Chamber
 Tel:+86-0755-26503290
 Fax:+86-0755-26503396

 Job No.: PYH #1926
 Standard: FCC Class B 3M Radiated
 Test item: Radiation Test
 Temp.(C)/Hum.(%) 25 C / 55 %
 EUT: Tablet
 Mode: TX 5825MHz
 Model: NS-14T004
 Manufacturer: Keen High

 Polarization: Vertical
 Power Source: AC 120V/60Hz
 Date: 2013/04/22
 Time: 8:13:28
 Engineer Signature: PEI
 Distance: 3m

Note: 802.11 n



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	38.2412	39.27	-12.15	27.12	40.00	-12.88	QP			
2	84.0179	41.43	-13.61	27.82	40.00	-12.18	QP			


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Site: 2# Chamber

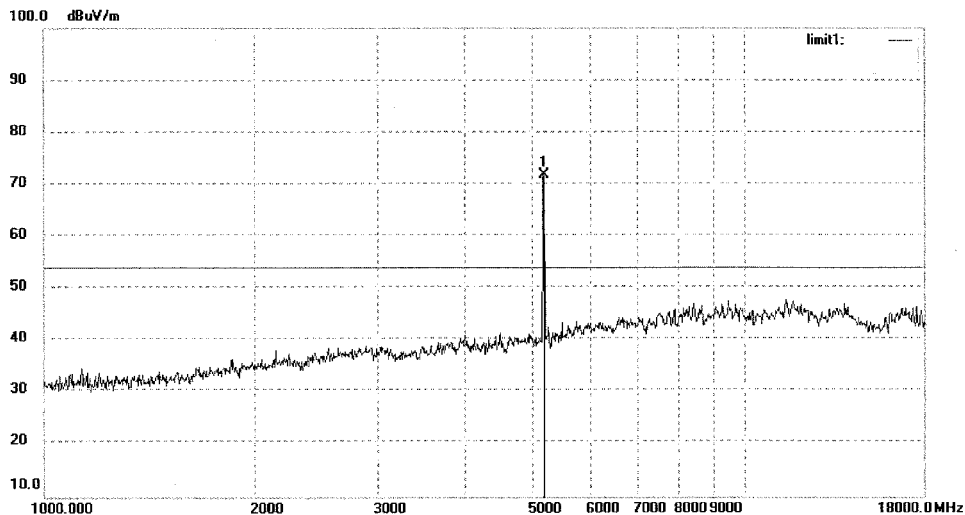
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PYH #1960
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Tablet
Mode: TX 5180MHz
Model: NS-14T004
Manufacturer: Keen High

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 2013/04/22
Time: 23:50:04
Engineer Signature: PEI
Distance: 3m

Note: 802.11 n



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5180.000	71.13	0.61	/	/	17.74	peak			


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Site: 2# Chamber

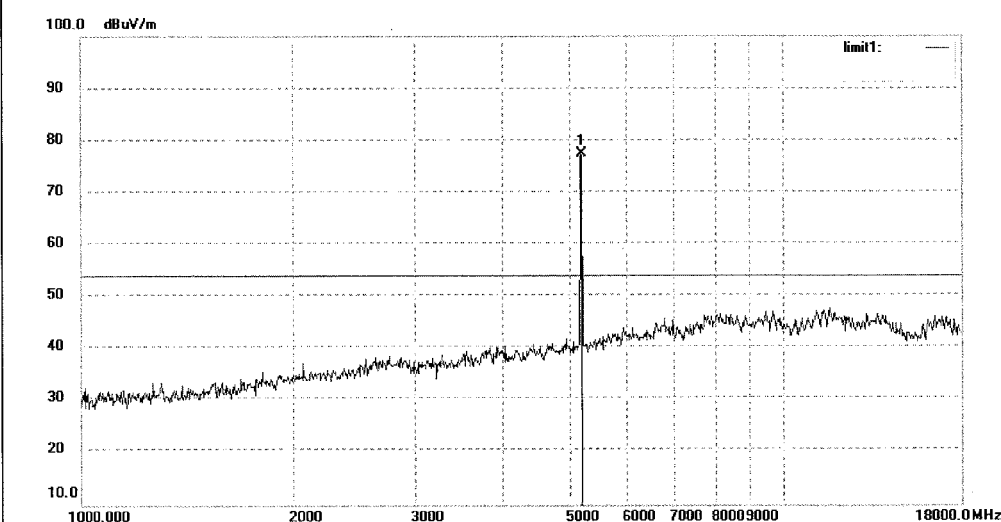
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PYH #1959
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Tablet
Mode: TX 5180MHz
Model: NS-14T004
Manufacturer: Keen High

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 2013/04/22
Time: 23:39:17
Engineer Signature: PEI
Distance: 3m

Note: 802.11 n



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5180.000	76.77	0.61	/	/	23.38	peak			

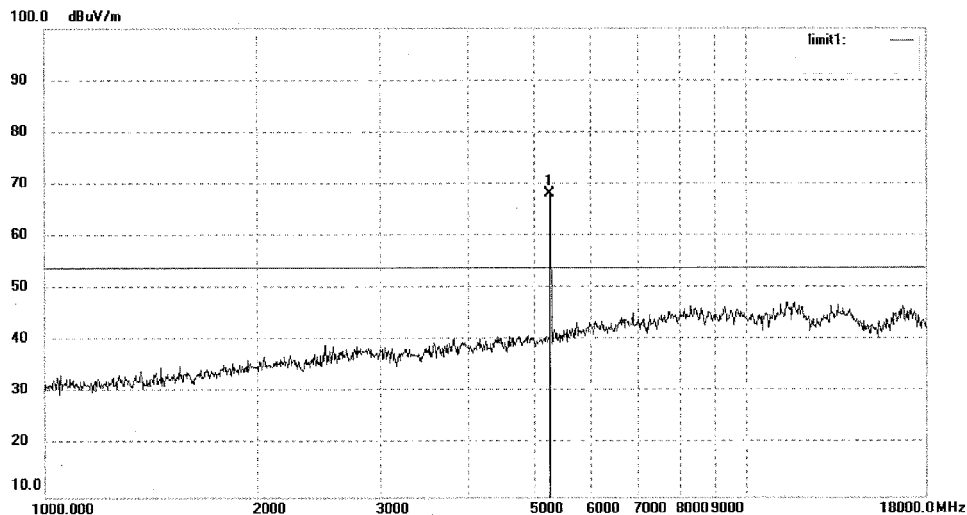

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 Site: 2# Chamber
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 Fax:+86-0755-26503396

 Job No.: PYH #1961
 Standard: FCC Class B 3M Radiated
 Test item: Radiation Test
 Temp.(C)/Hum.(%) 25 C / 55 %
 EUT: Tablet
 Mode: TX 5240MHz
 Model: NS-14T004
 Manufacturer: Keen High

 Polarization: Horizontal
 Power Source: AC 120V/60Hz
 Date: 2013/04/22
 Time: 23:59:49
 Engineer Signature: PEI
 Distance: 3m

Note: 802.11 n



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5240.000	67.33	0.82	/	/	14.15	peak			


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Site: 2# Chamber

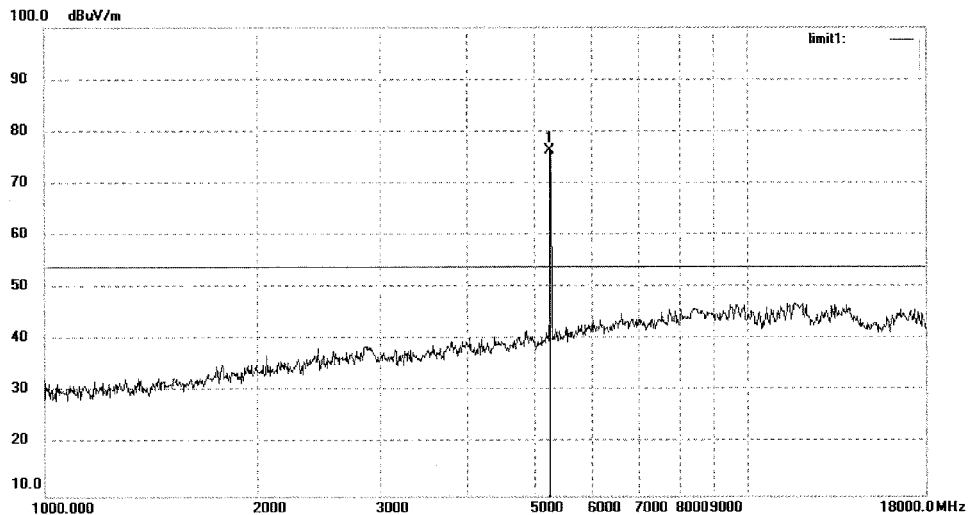
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PYH #1962
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Tablet
Mode: TX 5240MHz
Model: NS-14T004
Manufacturer: Keen High

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 2013/04/23
Time: 0:07:39
Engineer Signature: PEI
Distance: 3m

Note: 802.11 n



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5240.000	75.38	0.82	/	/	22.20	peak			


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Site: 2# Chamber

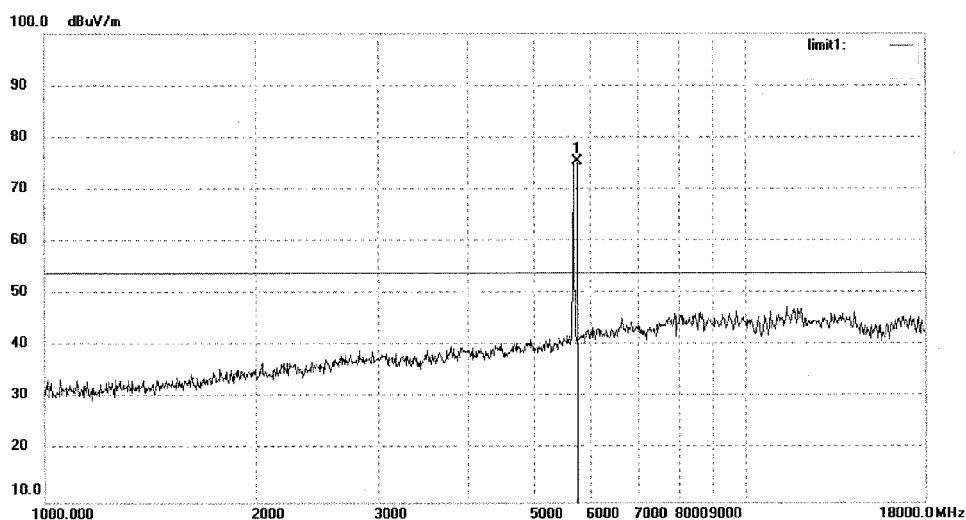
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PYH #1969
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Tablet
Mode: TX 5745MHz
Model: NS-14T004
Manufacturer: Keen High

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 2013/04/23
Time: 1:18:36
Engineer Signature: PEI
Distance: 3m

Note: 802.11 n



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5745.000	73.94	1.50	/	/	21.44	peak			


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Site: 2# Chamber

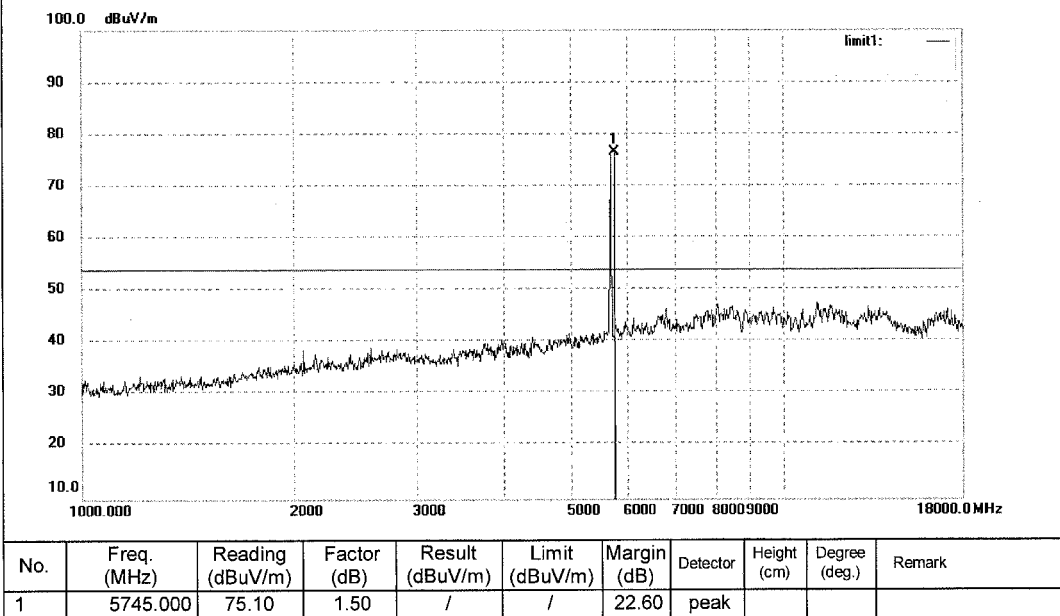
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PYH #1970
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Tablet
Mode: TX 5745MHz
Model: NS-14T004
Manufacturer: Keen High

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 2013/04/23
Time: 1:27:35
Engineer Signature: PEI
Distance: 3m

Note: 802.11 n




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Site: 2# Chamber

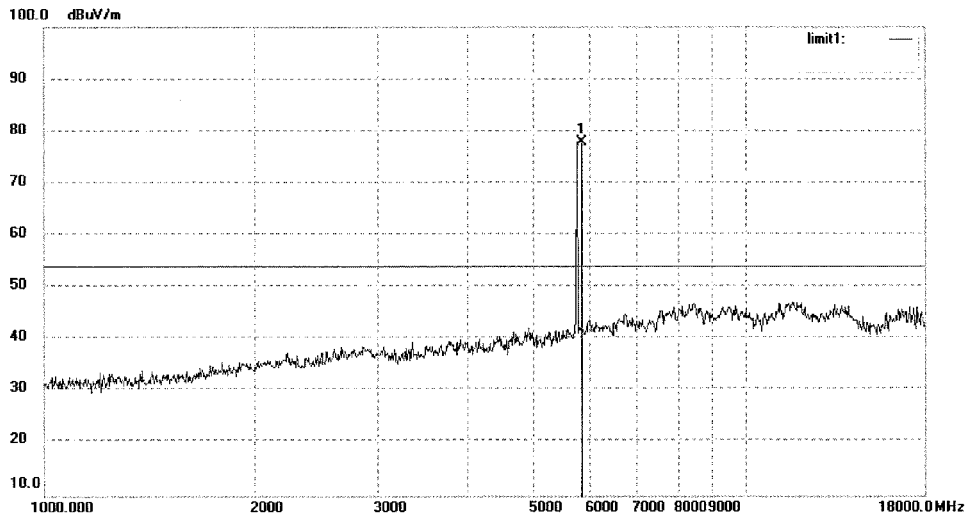
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PYH #1972
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Tablet
Mode: TX 5825MHz
Model: NS-14T004
Manufacturer: Keen High

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 2013/04/23
Time: 1:47:52
Engineer Signature: PEI
Distance: 3m

Note: 802.11 n



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5825.000	75.96	1.97	/	/	23.93	peak			


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Site: 2# Chamber

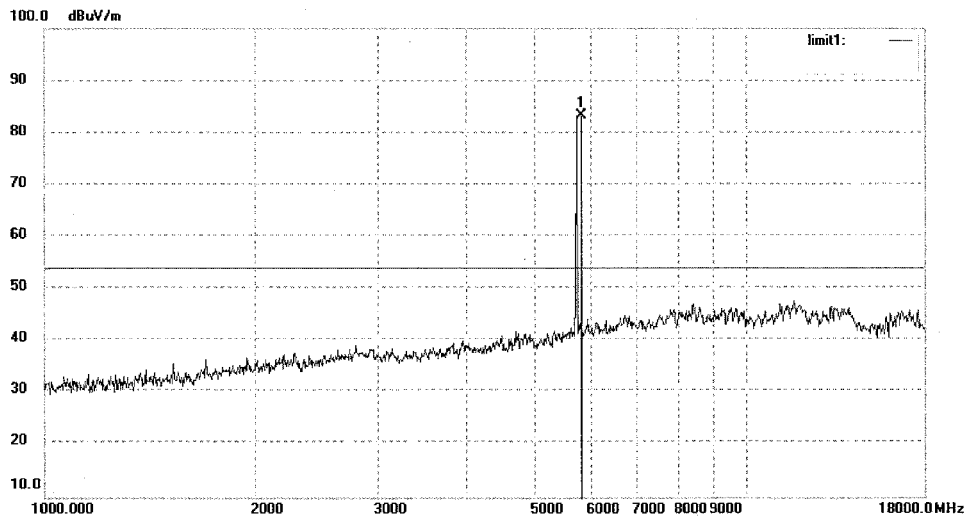
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PYH #1971
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Tablet
Mode: TX 5825MHz
Model: NS-14T004
Manufacturer: Keen High

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 2013/04/23
Time: 1:36:25
Engineer Signature: PEI
Distance: 3m

Note: 802.11 n



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5825.000	81.22	1.97	/	/	29.19	peak			


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Site: 2# Chamber

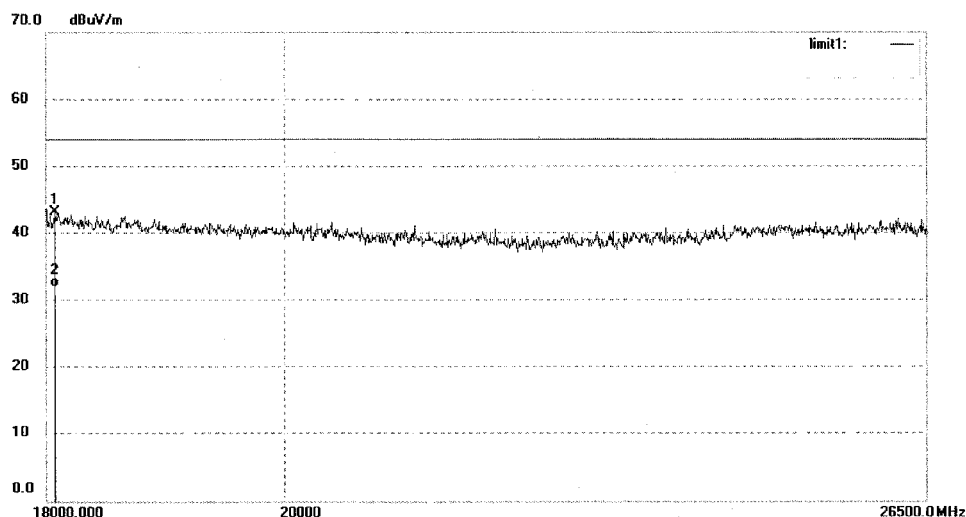
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PYH #2006
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Tablet
Mode: TX 5180MHz
Model: NS-14T004
Manufacturer: Keen High

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 13/04/25/
Time: 11/01/32
Engineer Signature: PEI
Distance: 3m

Note: 802.11 n



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	18069.894	26.89	16.25	43.14	74.00	-30.86	peak			
2	18069.894	15.72	16.25	31.97	54.00	-22.03	AVG			


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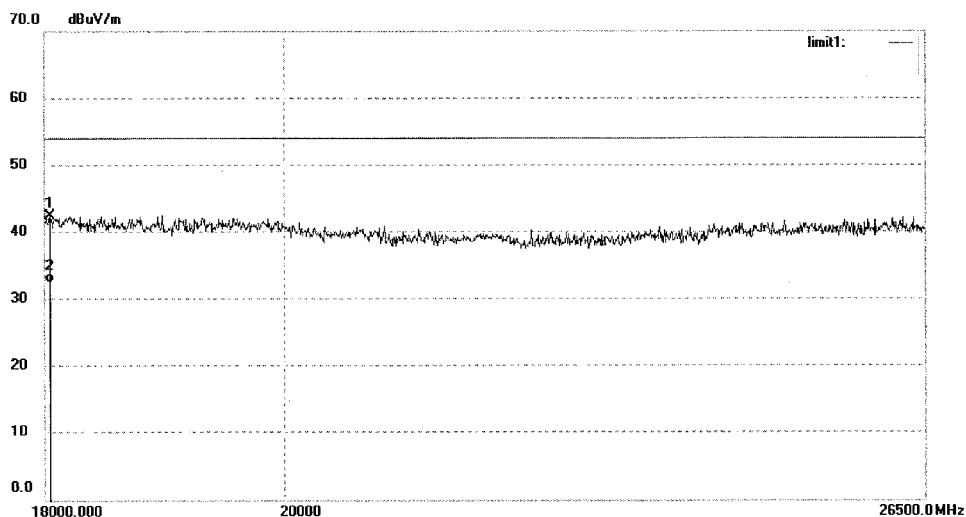
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PYH #2005
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Tablet
Mode: TX 5180MHz
Model: NS-14T004
Manufacturer: Keen High

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 13/04/25/
Time: 10/53/28
Engineer Signature: PEI
Distance: 3m

Note: 802.11 n



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	18041.904	26.29	16.19	42.48	74.00	-31.52	peak			
2	18041.904	16.35	16.19	32.54	54.00	-21.46	AVG			


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Site: 2# Chamber

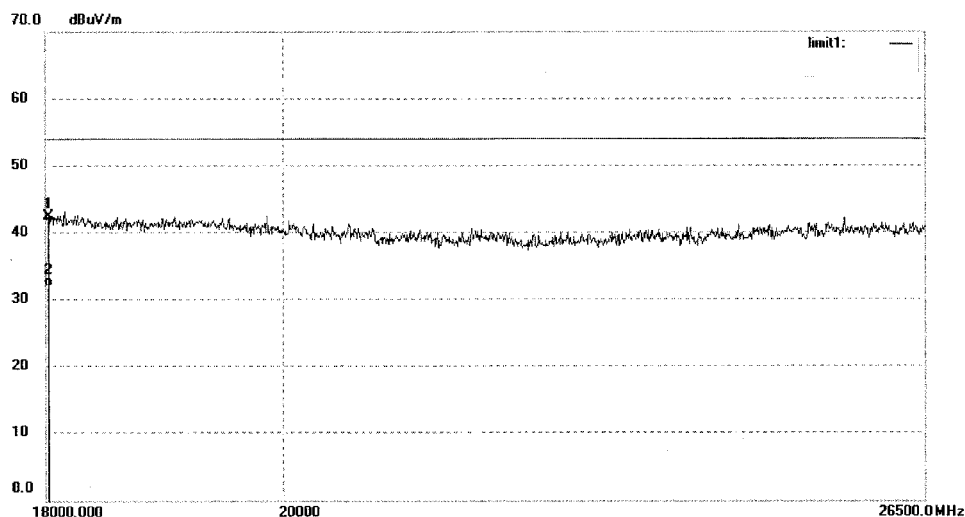
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PYH #2007
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Tablet
Mode: TX 5240MHz
Model: NS-14T004
Manufacturer: Keen High

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 13/04/25/
Time: 11/12/50
Engineer Signature: PEI
Distance: 3m

Note: 802.11 n



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	18020.940	26.37	16.15	42.52	74.00	-31.48	peak			
2	18020.940	15.84	16.15	31.99	54.00	-22.01	AVG			


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Site: 2# Chamber

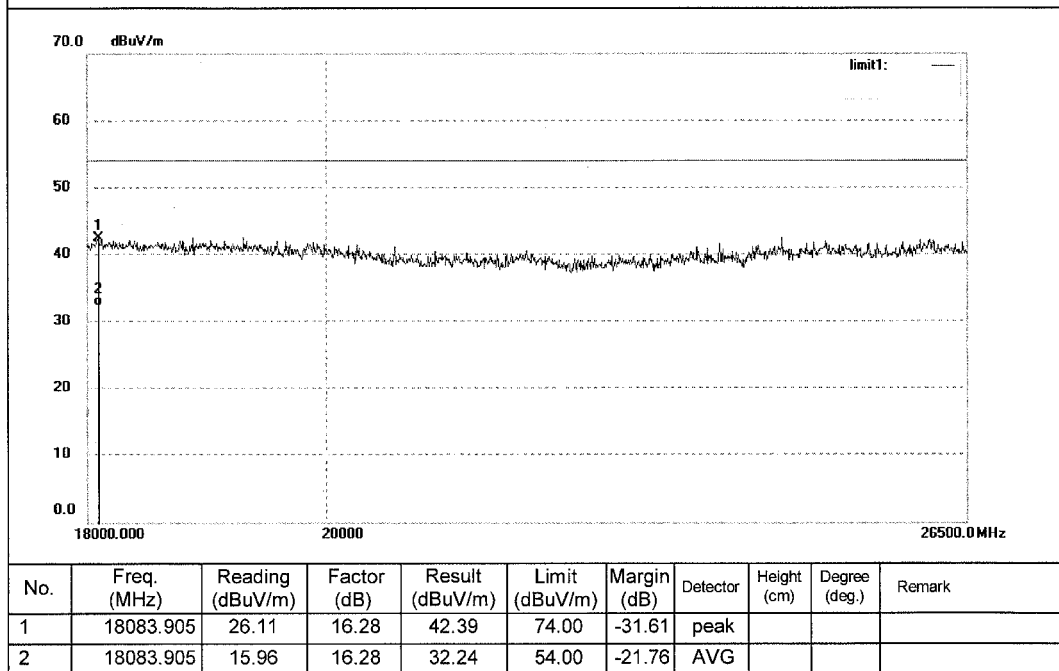
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PYH #2008
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Tablet
Mode: TX 5240MHz
Model: NS-14T004
Manufacturer: Keen High

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 13/04/25/
Time: 11/23/04
Engineer Signature: PEI
Distance: 3m

Note: 802.11 n




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Site: 2# Chamber

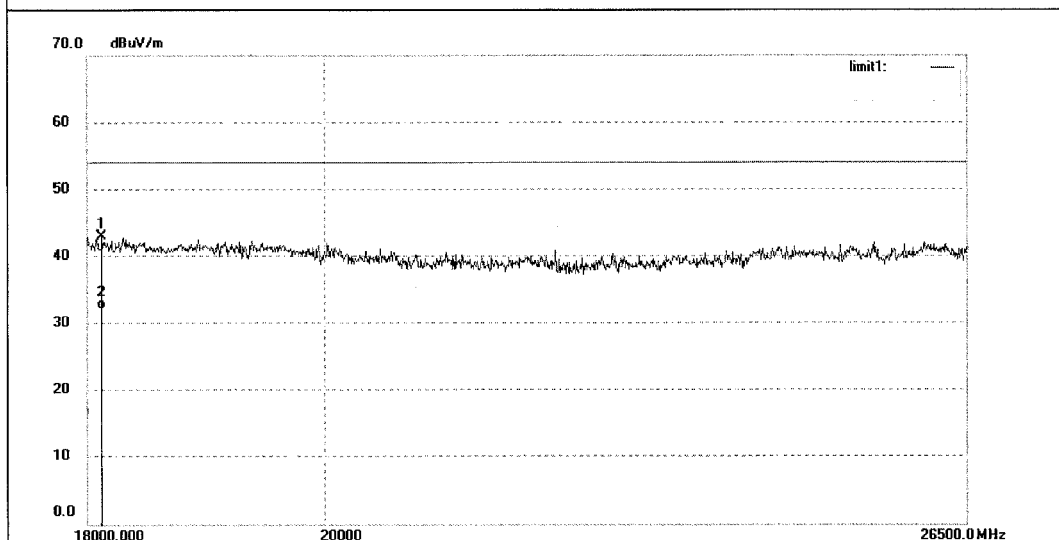
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PYH #2010
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Tablet
Mode: TX 5745MHz
Model: NS-14T004
Manufacturer: Keen High

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 13/04/25/
Time: 11/39/55
Engineer Signature: PEI
Distance: 3m

Note: 802.11 n



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	18118.981	26.65	16.36	43.01	74.00	-30.99	peak			
2	18118.981	15.82	16.36	32.18	54.00	-21.82	AVG			


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Site: 2# Chamber

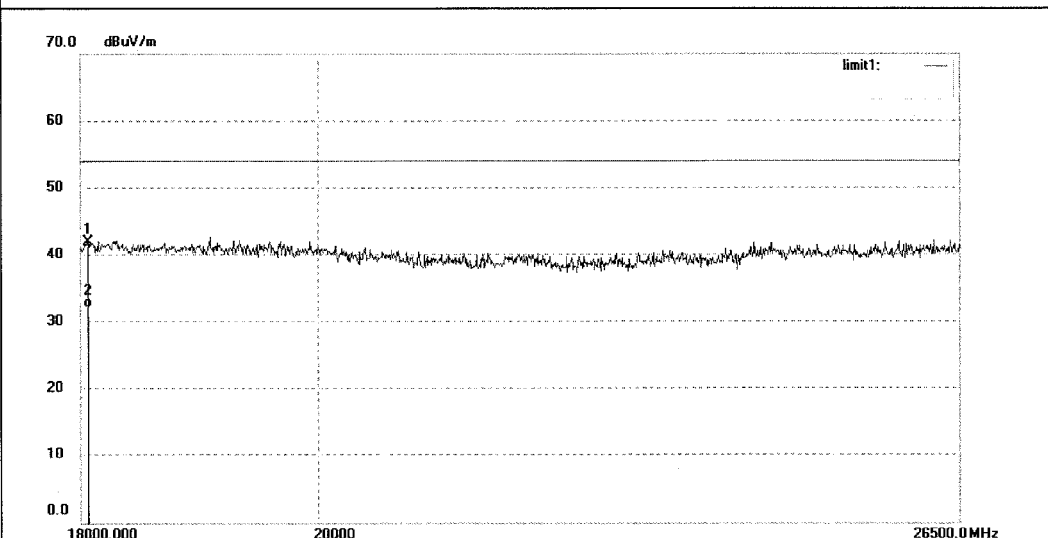
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PYH #2009
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Tablet
Mode: TX 5745MHz
Model: NS-14T004
Manufacturer: Keen High

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 13/04/25/
Time: 11/32/59
Engineer Signature: PEI
Distance: 3m

Note: 802.11 n



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	18062.892	25.76	16.24	42.00	74.00	-32.00	peak			
2	18062.892	15.81	16.24	32.05	54.00	-21.95	AVG			


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Site: 2# Chamber

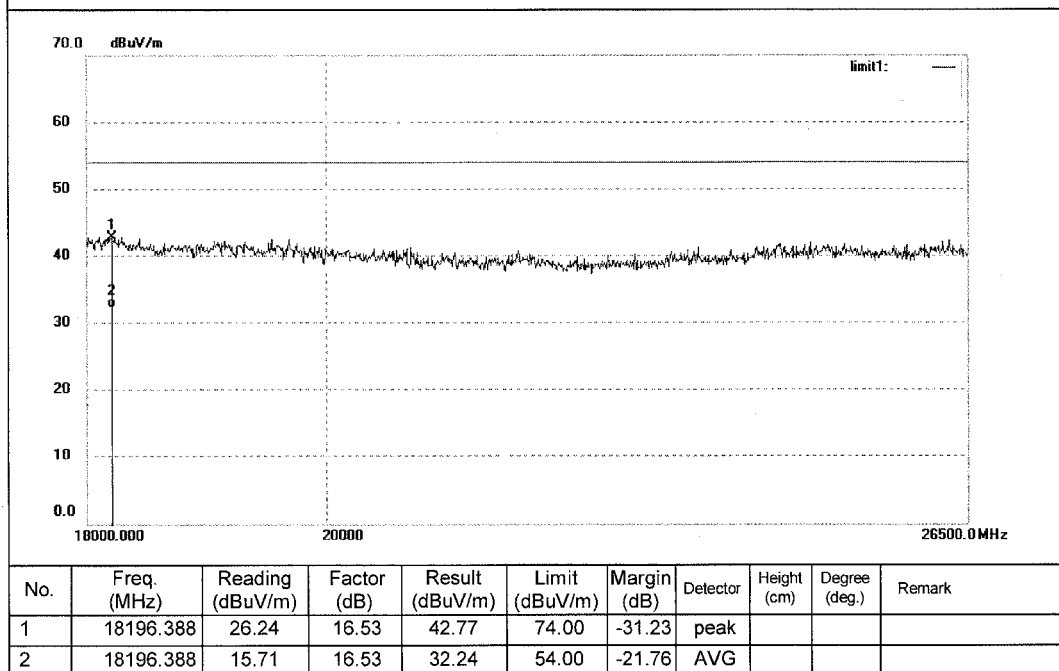
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PYH #2011
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Tablet
Mode: TX 5825MHz
Model: NS-14T004
Manufacturer: Keen High

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 13/04/25/
Time: 11/47/45
Engineer Signature: PEI
Distance: 3m

Note: 802.11 n




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Site: 2# Chamber

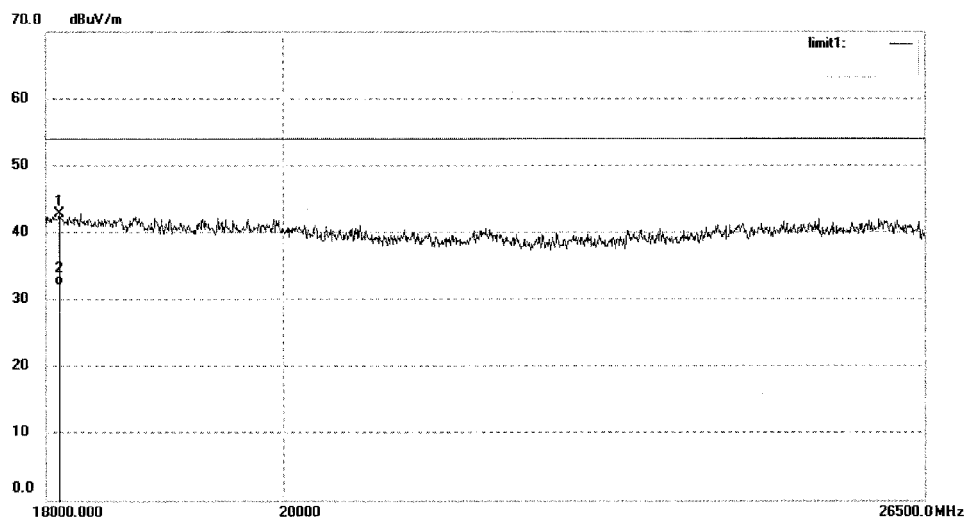
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PYH #2012
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Tablet
Mode: TX 5825MHz
Model: NS-14T004
Manufacturer: Keen High

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 13/04/25/
Time: 11/56/03
Engineer Signature: PEI
Distance: 3m

Note: 802.11 n



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	18104.943	26.48	16.33	42.81	74.00	-31.19	peak			
2	18104.943	15.75	16.33	32.08	54.00	-21.92	AVG			

Test

1 / 1

Radiated Emission

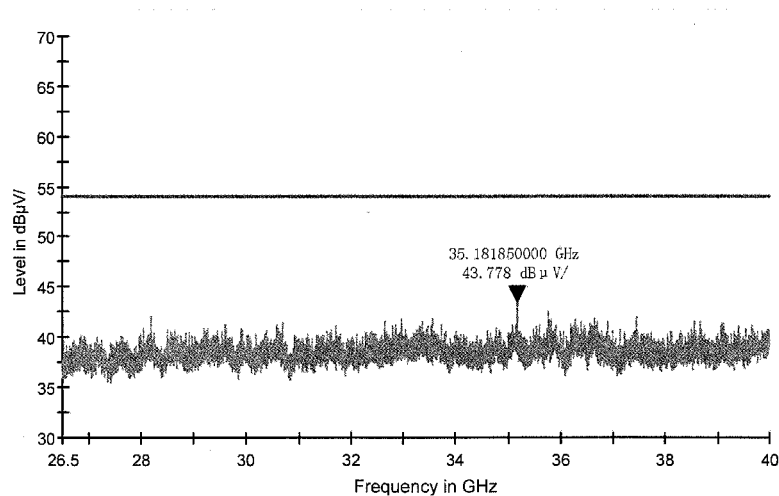
EUT Information

EUT Model Name: Tablet M/N: NS-14T004
Operation mode: TX 5180MHz
Test Voltage: AC 120V/60Hz
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment Conditions:
Antenna Polarization: Horizontal
Operator Name:
Comment: AC 120V/60Hz

FCC Electric Field Strength 26.5-40GHz



2013-4-24

10:30:12

Test

1 / 1

Radiated Emission

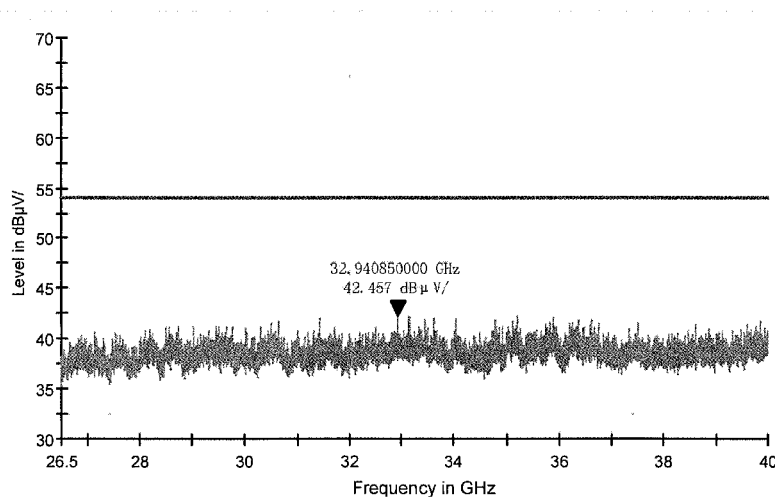
EUT Information

EUT Model Name: Tablet M/N: NS-14T004
Operation mode: TX 5180MHz
Test Voltage: AC 120V/60Hz
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment Conditions:
Antenna Polarization: Vertical
Operator Name:
Comment: AC 120V/60Hz

FCC Electric Field Strength 26.5-40GHz



2013-4-24

11:16:41

Test

1 / 1

Radiated Emission

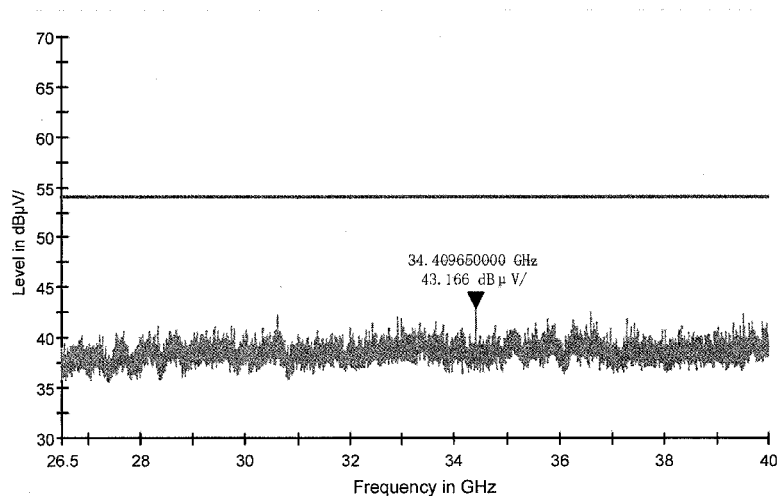
EUT Information

EUT Model Name: Tablet M/N: NS-14T004
Operation mode: TX 5240MHz
Test Voltage: AC 120V/60Hz
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment Conditions:
Antenna Polarization: Horizontal
Operator Name:
Comment: AC 120V/60Hz

FCC Electric Field Strength 26.5-40GHz



Test

1 / 1

Radiated Emission

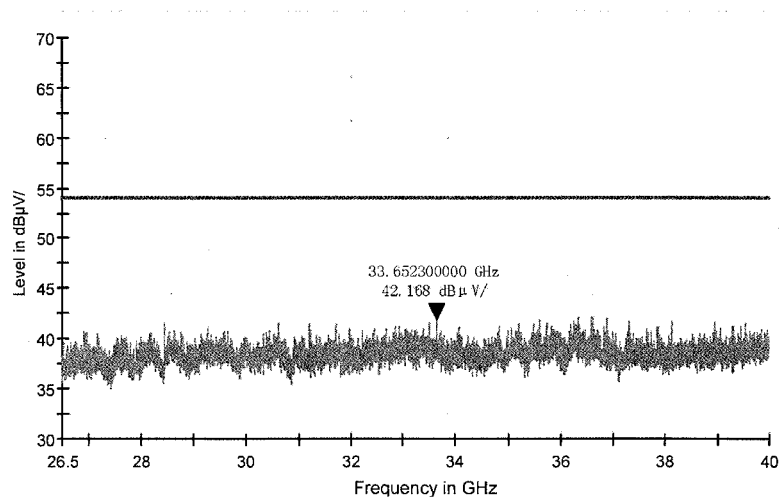
EUT Information

EUT Model Name: Tablet M/N: NS-14T004
Operation mode: TX 5240MHz
Test Voltage: AC 120V/60Hz
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment Conditions:
Antenna Polarization: Vertical
Operator Name:
Comment: AC 120V/60Hz

FCC Electric Field Strength 26.5-40GHz



Test

1 / 1

Radiated Emission

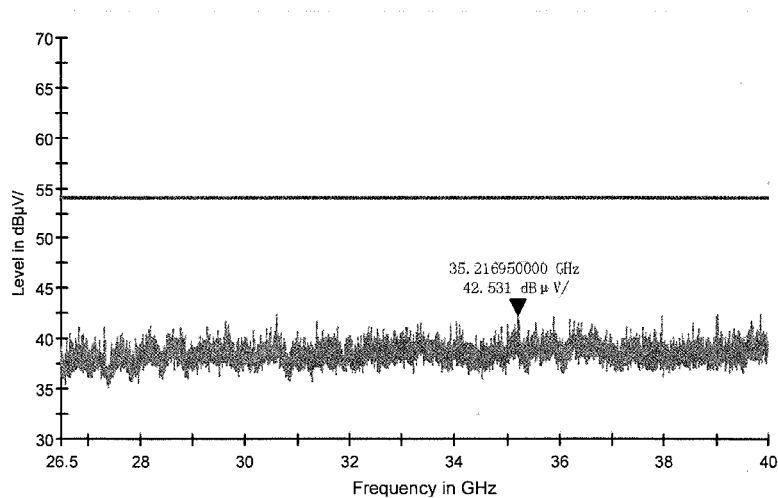
EUT Information

EUT Model Name: Tablet M/N: NS-14T004
Operation mode: TX 5745MHz
Test Voltage: AC 120V/60Hz
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment Conditions:
Antenna Polarization: Horizontal
Operator Name:
Comment: AC 120V/60Hz

FCC Electric Field Strength 26.5-40GHz



2013-4-24

10:24:58

Test

1 / 1

Radiated Emission

EUT Information

EUT Model Name: Tablet M/N: NS-14T004
Operation mode: TX 5745MHz
Test Voltage: AC 120V/60Hz
Comment:

Common Information

Test Site: SMQ EMC Lab.
Environment Conditions:
Antenna Polarization: Vertical
Operator Name:
Comment: AC 120V/60Hz

FCC Electric Field Strength 26.5-40GHz

